

**GORDIAN**<sup>®</sup>

# **Job Order Contract Construction Task Catalog<sup>®</sup>**

CSI Division 01-50 November 2023

**County of Fresno**

**Department of Public Works and Planning**

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## About the CTC:

- ☑ This Construction Task Catalog® (CTC) was developed and customized by The Gordian Group, Inc. specifically for **County of Fresno**, priced locally using current labor, material and equipment costs, and published in November 2023.
- ☑ The Gordian Group, Inc. licenses the use of this CTC and other proprietary information and software for the sole purpose of providing Job Order Contracting services to **County of Fresno**. Use of this CTC and other proprietary information and software for any other purpose, or for any other entity, is expressly prohibited without the express written consent of The Gordian Group, Inc.

## MasterFormat™

- ☑ The Tasks in this CTC are organized using CSI's *MasterFormat*.



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## The Unit Prices Include:

### LABOR COSTS:

- ☑ Labor costs include direct labor through the working foreperson level at straight-time prevailing wage rates including fringe benefits and an allowance for Social Security, Medicare taxes, worker's compensation, unemployment insurance, and employee benefits.
- ☑ Labor costs include unloading equipment, materials, and tools, and transporting the same up or down 2 stories and 125' to reach the project site; layout; measuring and cutting to fit; performing the Task; disposal of excess material; and time for lunch and breaks.

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### EQUIPMENT COSTS:

- ☑ Equipment costs include all equipment required to accomplish the Task.
- ☑ Mobilization is included for all equipment except large equipment (e.g. cranes, bulldozers, excavators, backhoes, bobcats etc.), which exclude mobilization.
- ☑ Equipment costs include all operating expenses such as fuel, electricity, lubricants, etc.

### MATERIAL COSTS:

- ☑ Material costs include the cost of the material, delivery, and all incidentals and accessories integral to the installation.
- ☑ Material costs include manufacturer's and/or fabricator's shop drawings.
- ☑ Material costs for roofing, drywall, VCT, carpet, wall covering, ceiling tile, pipe, conduit, concrete, etc. include an allowance for waste. This list is not intended to be all inclusive, but descriptive of the types of construction materials that are typically sold in standard lengths, sizes and weights.
- ☑ Material costs for imported materials (e.g. aggregate, sand, soil, etc.) include delivery up to 15 miles from the closest approved source.

## The Adjustment Factors Include:

The Adjustment Factors include the following costs, unless specifically excluded by the terms of the Contract Documents:

### BUSINESS COSTS:

- ☑ Office overhead, including, but not limited to, office space, office equipment, office and management personnel, office supplies, and employee transportation.
- ☑ Insurance and bonding.
- ☑ Profit.

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- Job Order development services, Owner meetings, and other administrative services required by the Contract Documents.
- Subcontractor's overhead and profit.
- Cost of financing the work.
- Business risks such as the risk of a lower than expected volume of work, smaller than anticipated Job Orders, poor Subcontractor performance, and inflation or material cost fluctuations.

### PROJECT RELATED COSTS:

- Project trailer, equipment and supplies, portable toilets, and hand wash stations for Contractor's use.
- Project management and project supervision.
- Services required to complete project filings and obtain permits.
- Preparation and modification of sketches, drawings, submittals, as-built drawings, project photographs and other project records.
- Incidental engineering and architectural services.
- Gang boxes and storage containers for Contractor's tools, equipment and materials.
- Basic safety and warning signage, minor barricades (e.g., construction tape, etc.) and personnel safety equipment (e.g., hard hats, safety harnesses with lifeline or cabling, protective clothing, safety glasses, face shields, etc.).
- Meeting Owner's security requirements.
- All taxes for which a waiver is not available including material sales tax and equipment rental.
- Removing and returning Owner's furniture and furnishings (e.g. chairs, tables, pictures, etc. but excluding modular furniture, furnishings fastened to the wall or floor, safes and other furniture requiring disassembly).
- Sealing windows, doors and other openings with plastic to contain construction dust and debris within the work area, or to protect existing surfaces.
- Working in extreme temperatures (below or above normal) or adverse conditions such as rain, wind, sleet or snow.

- Costs resulting from inadequate supply of building materials, fuel, electricity, or skilled labor.
- Daily clean-up.
- Final professional clean-up.

### PRICE VARIATIONS:

- Contractors may experience direct costs that are different than the unit prices set forth in the CTC. While diligent effort was made to provide accurate, unit prices, it is the Contractor's responsibility to review and analyze the unit prices, and to calculate, prior to bidding, the Adjustment Factors accordingly.

### SUMMARY:

- This list is not exhaustive and is intended to provide general examples of costs to be included in the Contractor's Adjustment Factors.
- The only compensation to be paid to the Contractor for Tasks will be:

Unit Price	X	Quantity	X	Adjustment Factor
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- No additional payments of any kind whatsoever will be made.
- All costs in excess of the unit prices, must be included in the Adjustment Factors.

### General Rules:

- Unit prices are for complete and in-place construction and include all labor, equipment and material required to complete the Task as described in the CTC.
- All labor, material, equipment, spare parts, and documents required by a Technical Specification shall be considered included in the unit price, unless the Task description states otherwise.
- If the Contractor uses a crane or other lifting equipment (except a truck mounted boom lift or

other equipment as part of the delivery process) to lift material onto a roof, even if that roof is less than 2 stories, the Contractor will be paid for such crane or lifting equipment as a separate Task.

- ☑ Unit prices include all fasteners such as anchor bolts, lag bolts, screws, adhesive, wedge anchors, expansion bolts, roofing clips (excluding hurricane clips) required. Fasteners listed separately in the CTC are for use with Owner furnished material and equipment or for relocating or reinstalling existing material and equipment.
- ☑ Unit prices exclude more substantial mounting material such as threaded rod or angle iron unless the Task description states otherwise.
- ☑ Unit prices for doors and windows, duct work, plumbing fixtures, seamless floors, countertops, roof flashing, pitch pockets, skylights, roof curbs, exterior trim, etc. include sealant and caulking.
- ☑ Unit prices include testing, calibrating, balancing, start-up services and the like required to ensure proper installation, construction and performance of the work (e.g. compaction test for backfill, balancing of heating ventilation and air conditioning, pneumatic or hydrostatic testing, soaping of joints, disinfection and flushing of water lines, etc.). Contractor may be paid for testing, calibrating, balancing, start-up services and the like for Owner supplied materials and equipment, or when working on or tying into existing materials and equipment.
- ☑ For the purpose of calculating the quantity of a Task, quantities are calculated on a per project basis. The quantity so determined shall be used for the Task and all appropriate modifiers, unless the Task states otherwise.
- ☑ Whenever there are alternative Tasks that may be selected to complete work, the Contractor shall select the most practical and economical Tasks available (e.g. rental of equipment by weeks or months rather than days, or painting by roller or spray rather than brush).

**DEMOLITION:**

- ☑ Unit prices for demolition include all labor, equipment and material required for the complete removal of the items; clean-up of the area; and

transporting the demolished items up or down 2 stories into a truck, dumpster, or to an Owner designated area, located within 125' of the project site.

- ☑ Unit prices for demolition exclude costs for hauling (See 01741900), dump fees (See 01741900), dumpsters (See 01741900), and trash chutes (See 01741900).
- ☑ If the item being demolished is attached to another item being removed and can be removed as one item, then that item shall not be priced as a separate demolition Task, unless the component must be demolished separately to accomplish the work (e.g. demolition of pipe includes pipe fittings unless the fitting must be demolished separately to accomplish the work; demolition of a wood door includes hinges, hardware, closures, kick plates, etc.).
- ☑ The word "replace" includes removal of the existing item and installation of the new item.
- ☑ The words "remove and relocate" or "remove and reinstall" include removal, cleaning, and installation of the existing item in either the same location or another location.
- ☑ Salvageable materials are the property of the Owner and shall, if directed, be turned over to the Owner.

**WORKING HEIGHT:**

- ☑ Typical working height for work other than masonry is up to 14' above the finished floor or stationary working surface. The Contractor will not be paid for scaffolding, lifts, or similar equipment for work below 14'.
- ☑ Typical working height for masonry work is up to 4' above the finished floor or stationary working surface. The Contractor will not be paid for scaffolding, lifts, or similar equipment for masonry work below 4'.

**FIELD ENGINEERING:**

- ☑ Surveying Tasks shall be used only when the Owner requests the Contractor to perform topographic surveys, property line surveys or to establish horizontal and vertical control points. If the

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Owner provides horizontal and vertical control points within or adjacent to the project site, all other surveying required to complete the work shall be considered construction staking or layout, and the cost thereof is included in the appropriate Tasks.

### ASSEMBLIES:

- ☑ Assembly Tasks take precedence over individual component Tasks.

### RESTRICTED AND CONFINED SPACES:

- ☑ Restricted Working Space is defined as any area with less than 3' vertical or horizontal clearance and includes areas such as crawl spaces, ceiling plenums where the grid is not removed, narrow piping tunnels, and equipment rooms where the space to install the new work is congested as a result of equipment and piping placement that meet these dimensional restrictions. A Restricted Working Space modifier is available for certain mechanical piping and piping accessories Tasks and for certain electrical conduit and conduit accessories Tasks. Only those Tasks with a modifier for Restricted Working Space are eligible for a price adjustment, and then only if the modifier applies to the contemplated Tasks. A Non-Prepriced Task will not be allowed because of Restricted Working Space for any Task.
- ☑ The Code of Federal Regulations (29 CFR part 1926, Subpart AA) define confined spaces and permit-required confined spaces for construction and set forth requirements, procedures and safety precautions for working in such spaces. If the Contractor must work in a confined space or a permit-required confined space and must provide ventilation equipment, air monitoring equipment and services, entry attendants, entry supervisors, site-specific training for workers, or other equipment and services required by the regulations, then the Contractor shall be paid for such equipment, services and training. Those costs shall not be included in the Adjustment Factors.

### Or Equals:

- ☑ Whenever material, products, or equipment is identified in the CTC, or in the Technical Specifications, by reference to a manufacturer's name, make or model number, the identification is intended to establish a standard. Any material, product, or equipment of another manufacturer may be considered an or-equal provided that, in the opinion of the Owner, the material, product, or equipment so proposed is of equal quality, substance and function to the named item. The Contractor shall not install any proposed material, product, or equipment without the prior written approval of the Owner. The burden of proof, and all costs related thereto, concerning whether the proposed material, product, or equipment is an or-equal, shall be borne by the Contractor.

### Useful Information:

#### UNIT OF MEASURE DEFINITIONS:

**ACR** – Acre, **BAG** – Bag, **BBL** – Barrel, **BCY** - Bank (In-place) Cubic Yards, **BF** - Board Foot, **BOX** - Box (each), **BTU** - British Thermal Unit, **C** - One Hundred, **CCF** - One Hundred Cubic Feet, **CCY** - Compacted Cubic Yards, **CF** - Cubic Foot, **CFM** - Cubic Feet Per Minute, **CI** – Cubic Inch, **CLF** - One Hundred Linear Feet, **CSF** - One Hundred Square Feet, **CSY** - Hundred Square Yards, **CWT** - Hundred Weight, **CY** - Cubic Yard, **CYM** - Cubic Yard Mile, **DAY** – Day, **DRM** - Drum (each), **EA** – Each, **FLR** - Floor (Per Floor), **FT** – Foot, **GAL** – Gallon, **GSF** - Ground Square Foot or Gross Square Foot, **HR** – Hour, **HWT** - Hundred Carton Weight, **HYR** – Half Year, **IN** – Inch, **JOB** – Job, **LAN** – Lane, **LB** – Pound, **LCY** - Loose (Excavated) Cubic Yards, **LF** - Linear Foot, **LFD** - Linear Feet Per Day, **LIT** – Liter, **LOT** – Lot, **MBF** - One Thousand Board Feet, **MBH** - One Thousand British Thermal Units, **MCF** – One Thousand Cubic Feet, **MF3** - One Thousand Cubic Feet Per Minute, **MGL** – One Thousand Gallons, **MI** –

Mile, **MLF** - One Thousand Linear Feet, **MO** – Month, **MSF** - One Thousand Square Feet, **MSY** - One Thousand Square Yards, **MT** – Metric Ton, **MTK** – Metric Ton Kilometer, **M2** – Square Meter, **M3K** – Cubic Meter Kilometer, **NTE** – Note, **OPN** – Opening, **OUT** - Outlet or Output (each), **OZ** – Ounce, **PKG** – Package, **PNT** – Point, **PR** – Pair, **QT** – Quart, **ROL** - Roll (each), **ROM** – Room, **ROW** – Row, **RSR** - Riser (Per Rise), **SEA** – Seat, **SET** – Set, **SF** - Square Foot, **SHT** – Sheet, **SI** - Square Inch, **STP** - Stop (each), **SQ** - Square or One Hundred Square Feet, **SY** - Square Yard, **SYI** – Inches per Square Yard, **TNM** - Tons per Mile, **TON** – Ton, **TRK** – Truck Load, **UI** - United Inch, **UNT** – Unit, **VLF** - Vertical Linear Foot, **WK** – Week, **YD** – Yard, **YR** – Year

**MATERIAL WEIGHTS:**

**EARTHEN MATERIAL**

- The following engineering values for establishing shrink/swell factors shall be used unless otherwise directed by the Owner.

Material	Material Weight (Lbs Per CY)		
	In-place (Bank)	Loose (Excavated Materials)	Compacted
Earth, Common (Average)	3170	2536	3520
Sand	2880	2590	3240
Earth, Rock Mix. (75% E/ 25% R)	3380	2370	3720
Earth, Rock Mix. (50% E/50% R)	3750	2710	4000
Earth, Rock Mix. (25% E/ 75% R)	4120	3140	3680
Gravel (Average)	3280	2730	3570
Limestone	4380	2690	3220
Riprap Rock (Average)	4500	2610	3150
Granite	4540	2640	3170
Basalt	4950	3020	3640
Clay	3220	2150	3570
Gneiss	4550	2720	3180

**BULK FACTORS FOR DEMOLITION:**

- The following bulk factors shall be used to calculate the volume of demolished material to be transported from the project site.
  - Asphalt** = 1.25
  - Concrete** = 1.40

**CONVERSIONS:**

- 1 Acre** = 43,560 Square Feet = 4046.8 Square Meters
- 1 Board Foot** = 12" x 12" x 1" = 144 Cubic Inches
- 1 Centimeter** = 0.3937 Inches = 0.0328 Feet
- 1 Cubic Foot** = 0.03704 Cubic Yards = 0.02832 Cubic Meters
- 1 Cubic Meter** = 1.3080 Cubic Yards = 35.3147 Cubic Feet
- 1 Cubic Yard** = 27 Cubic Feet = 0.7646 Cubic Meters
- 1 Foot** = 12 Inches = 0.3048 Meters
- 1 Inch** = 2.54 Centimeters = 0.0254 Meters
- 1 Kilogram** = 2.2046 Pounds
- 1 Kilometer** = 0.6214 Miles = 3280 Feet
- 1 Meter** = 100 Centimeters = 3.2808 Feet
- 1 Mile** = 5280 Feet = 1.6093 Kilometers
- 1 Pound** = 0.4536 Kilograms
- 1 Square Foot** = 144 Square Inches = .0929 Square Meters
- 1 Square Meter** = 1.1960 Square Yards = 10.7639 Square Feet
- 1 Square Yard** = 9 Square Feet = 0.8361 Square Meters
- 1 Ton** = 2000 Pounds = 907.185 Kilograms
- 1 Yard** = 3 Feet = 0.9144 Meters

**Using The Construction Task Catalog®**

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Sheet Metal Thickness (inches)				
Gage No.	Steel Sheet	Galvanized Steel Sheet	Stainless Steel Sheet	Aluminum Sheet
10	.135	.138	.141	
11	.120	.123	.125	
12	.105	.108	.109	
13	.090	.093	.094	.072
14	.075	.079	.078	.064
15	.067	.071	.070	.057
16	.060	.064	.063	.051
17	.054	.058	.056	.045
18	.048	.052	.050	.040
19	.042	.046	.044	.036
20	.036	.040	.038	.032
21	.033	.037	.034	.028
22	.030	.034	.031	.025
23	.027	.031	.028	.023
24	.024	.028	.025	.020
25	.021	.025	.022	.018
26	.018	.022	.019	.017

**STANDARD GEOMETRY:**

Circle

- Circumference =  $2 \pi \text{ radius} = \pi \text{ diameter}$
- Area =  $\pi \text{ radius}^2 = \pi (\text{diameter}^2 / 4)$

Cylinder

- Volume =  $(\pi \text{ radius}^2) \text{ height}$
- Surface Area =  $2 \pi \text{ radius}^2 + (2 \pi \text{ radius}) \text{ height}$

Sphere

- Volume =  $(4 \pi \text{ radius}^3) / 3$
- Surface Area =  $4 \pi \text{ radius}^2$

$\pi = 3.14159$

United Inch

- The industry standard for measuring windows is the United Inch or UI. The UI is determined by adding the width and the height in inches.

**TRADEMARKS**

- Job Order Contracting Advanced, Job Order Contracting Complete, Job Order Contracting



<b>General Requirements</b>		<b>01</b>
<b>Price and Payment Procedures</b>		<b>01 20</b>
<b>Unit Prices</b>		<b>01 22</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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# 01 General Requirements

## 01 20 Price and Payment Procedures <sup>(01)</sup>

### 01 22 Unit Prices <sup>(01 20)</sup>

#### 01 22 16 Unit Price Payment <sup>(01 22)</sup>

01 22 16 00-0001	<b>Reimbursable Fees</b> <sup>(01 22 16)</sup>	
	Note: Reimbursable fees include but are not limited to permits, special inspections, special insurance, additional warranties, tolls, expedited shipping costs, etc, which are not included in a task or an Adjustment Factor as explained in the Contract or The Construction Task Catalog®.	
01 22 16 00-0002	EA Reimbursable Fees.....	1.00
	Note: Reimbursable Fees will be paid to the contractor for eligible costs as directed by Owner. Insert the appropriate quantity to adjust the base cost to the actual Reimbursable Fee. If there are multiple Reimbursable Fees, list each one separately and add a comment in the "note" block to identify the Reimbursable Fee (e.g. sidewalk closure, road cut, various permits, extended warranty, expedited shipping costs, etc.). A copy of each receipt, invoice, or proof of payment shall be submitted with the Price Proposal.	
01 22 16 00-0003	<b>Negotiated Travel Costs</b> <sup>(01 22 16)</sup>	
	Note: To be used only at the request of authorized personal for non-commuting travel costs.	
01 22 16 00-0004	EA Negotiated Travel Costs .....	1.00
	Note: Supporting documentation must be included with each Work Order.	

#### 01 22 20 Wage Rates <sup>(01 22)</sup>

01 22 20 00-0001	<b>Local Labor/Wage Rates</b> <sup>(01 22 20)</sup>	
	Note: Welders receive the rate prescribed for the craft performing the operation to which the welding is incidental.	
01 22 20 00-0002	HR Asbestos Removal Worker .....	84.72
	Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	
	<i>For Foreperson, Add</i>	4.24
	<i>For Apprentice, Deduct</i>	-16.94
01 22 20 00-0003	HR Brick Layer .....	97.95
	Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	
	<i>For Foreperson, Add</i>	4.90
	<i>For Apprentice, Deduct</i>	-19.59
01 22 20 00-0004	HR Carpenter .....	114.76
	Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	
	<i>For Foreperson, Add</i>	5.74
	<i>For Apprentice, Deduct</i>	-22.95
01 22 20 00-0005	HR Carpenter, Bridge Builder .....	131.77
	Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	
	<i>For Foreperson, Add</i>	6.59
	<i>For Apprentice, Deduct</i>	-26.35
01 22 20 00-0006	HR Cement Mason .....	90.34
	Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	
	<i>For Foreperson, Add</i>	4.52
	<i>For Apprentice, Deduct</i>	-18.07
01 22 20 00-0007	HR Electrician, (Inside Wireman).....	89.56
	Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	
	<i>For Foreperson, Add</i>	4.48
	<i>For Apprentice, Deduct</i>	-17.91
01 22 20 00-0008	HR Electrician, Cable Splicer.....	95.76
	Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	
	<i>For Foreperson, Add</i>	4.79
	<i>For Apprentice, Deduct</i>	-19.15
01 22 20 00-0009	HR Electrician Groundman .....	95.76
	Note: For tasks not included in the Construction Task Catalog® and requested specifically by the owner for miscellaneous work not covered in the CTC.	
	<i>For Foreperson, Add</i>	4.79
	<i>For Apprentice, Deduct</i>	-19.15
01 22 20 00-0010	HR High Voltage Electrician, (Utility Lineman).....	128.21
	Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	
	<i>For Foreperson, Add</i>	6.41
	<i>For Apprentice, Deduct</i>	-25.64
01 22 20 00-0011	HR Communication And System Technician .....	90.20
	Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	
	<i>For Apprentice, Deduct</i>	-18.04
01 22 20 00-0012	HR Equipment Operator, Crane (Group 1-A).....	120.18
	Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	
01 22 20 00-0013	HR Equipment Operator, Crane (Group 2-A).....	117.80
	Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	
	<i>For Foreperson, Add</i>	5.89
01 22 20 00-0014	HR Equipment Operator, Crane (Group 3-A).....	115.50
	Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	
01 22 20 00-0015	HR Equipment Operator, Medium (Group 3) .....	114.98
	Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	
	<i>For Foreperson, Add</i>	5.75
	<i>For Apprentice, Deduct</i>	-23.00
01 22 20 00-0016	HR Equipment Operator, Medium (Group 4) .....	113.12
	Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	

<b>01</b>	<b>General Requirements</b>
<b>01 20</b>	<b>Price and Payment Procedures</b>
<b>01 22</b>	<b>Unit Prices</b>



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 20 00-0017	HR	Equipment Operator, Medium (Group 5)..... Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	111.42	
01 22 20 00-0018	HR	Equipment Operator, Light (Group 6) ..... Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	109.63	
		<i>For Foreperson, Add</i>	5.48	
		<i>For Apprentice, Deduct</i>	-21.93	
01 22 20 00-0019	HR	Equipment Operator, Light (Group 7) ..... Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	108.10	
01 22 20 00-0020	HR	Equipment Operator, Light (Group 8) ..... Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	106.59	
01 22 20 00-0021	HR	Laborer ..... Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	82.24	
01 22 20 00-0022	HR	Landscape Maintenance Laborer ..... Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	82.24	
01 22 20 00-0023	HR	Millwright..... Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	110.99	
		<i>For Foreperson, Add</i>	5.55	
		<i>For Apprentice, Deduct</i>	-22.20	
01 22 20 00-0024	HR	Mold Removal Worker ..... Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	86.17	
		<i>For Foreperson, Add</i>	4.31	
		<i>For Apprentice, Deduct</i>	-17.23	
01 22 20 00-0025	HR	Painter, Ordinary..... Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	70.79	
		<i>For Foreperson, Add</i>	3.54	
		<i>For Apprentice, Deduct</i>	-14.16	
01 22 20 00-0026	HR	Painter, Structural Steel..... Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	73.30	
		<i>For Foreperson, Add</i>	3.67	
		<i>For Apprentice, Deduct</i>	-14.66	
01 22 20 00-0027	HR	Pile Drivers ..... Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	127.20	
		<i>For Foreperson, Add</i>	6.36	
		<i>For Apprentice, Deduct</i>	-25.44	
01 22 20 00-0028	HR	Plasterer ..... Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	106.60	
		<i>For Foreperson, Add</i>	5.33	
		<i>For Apprentice, Deduct</i>	-21.32	
01 22 20 00-0029	HR	Plumber ..... Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	108.99	
		<i>For Foreperson, Add</i>	5.45	
		<i>For Apprentice, Deduct</i>	-21.80	
01 22 20 00-0030	HR	Powderman..... Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	86.52	
		<i>For Foreperson, Add</i>	4.33	
		<i>For Apprentice, Deduct</i>	-17.30	
01 22 20 00-0031	HR	Rodman (Reinforcing)/Ornamental Steel Worker ..... Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	101.77	
		<i>For Foreperson, Add</i>	5.09	
		<i>For Apprentice, Deduct</i>	-20.35	
01 22 20 00-0032	HR	Sheet Metal Worker ..... Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	108.03	
		<i>For Foreperson, Add</i>	5.40	
		<i>For Apprentice, Deduct</i>	-21.61	
01 22 20 00-0033	HR	Stone Mason..... Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	97.95	
		<i>For Foreperson, Add</i>	4.90	
		<i>For Apprentice, Deduct</i>	-19.59	
01 22 20 00-0034	HR	Iron Worker (Structural) ..... Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	105.19	
		<i>For Foreperson, Add</i>	5.26	
		<i>For Apprentice, Deduct</i>	-21.04	
01 22 20 00-0035	HR	Tile Layer ..... Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	87.12	
		<i>For Foreperson, Add</i>	4.36	
		<i>For Apprentice, Deduct</i>	-17.42	
01 22 20 00-0036	HR	Terrazzo Worker ..... Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	110.24	
		<i>For Foreperson, Add</i>	5.51	
		<i>For Apprentice, Deduct</i>	-22.05	
01 22 20 00-0037	HR	Truck Driver, Light (Group 1) ..... Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	90.04	
		<i>For Foreperson, Add</i>	4.50	
		<i>For Apprentice, Deduct</i>	-18.01	
01 22 20 00-0038	HR	Truck Driver, Medium (Group 2) ..... Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	90.47	
01 22 20 00-0039	HR	Truck Driver, Heavy (Group 3)..... Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	90.90	
		<i>For Foreperson, Add</i>	4.55	
		<i>For Apprentice, Deduct</i>	-18.18	
01 22 20 00-0040	HR	Truck Driver, Heavy (Group 4)..... Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	91.40	
01 22 20 00-0041	HR	D1 Certified Welder..... Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.	118.96	





<b>General Requirements</b>		<b>01</b>
<b>Price and Payment Procedures</b>		<b>01 20</b>
<b>Unit Prices</b>		<b>01 22</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>01 22 20 00-0042</b>	<b>Rates For Services</b> <small>(01 22 20)</small>	
01 22 20 00-0043	HR Watch/Guard Person, Unarmed.....	35.34
01 22 20 00-0044	HR Watch/Guard Person, Armed.....	45.40
01 22 20 00-0045	HR Senior Surveyor (Party Chief).....	120.74
01 22 20 00-0046	HR Surveyor (Instrument person).....	114.01
01 22 20 00-0047	HR Surveyor (Rod Person).....	109.63
01 22 20 00-0048	HR On-Site Certified Materials Testing Technician.....	84.82
01 22 20 00-0049	HR Certified Industrial Hygienist.....	114.40
01 22 20 00-0050	MI Mileage For Professional Services (Engineering, Surveying, Etcetera).....	0.66
	Note: For use only when the Owner directs the contractor to use personnel whose base of operations is more than 100 miles from the site. Quantity shall be miles that exceed 100.	
01 22 20 00-0051	EA Security Badge, Processing Fee.....	89.66
01 22 20 00-0052	HR Biologist.....	132.00
01 22 20 00-0053	HR Ecologist.....	145.00
01 22 20 00-0054	HR Fire Watch Laborer.....	82.24
	Note: Fire watchers shall be required whenever welding or cutting is performed in locations where other than a minor fire might develop, or any of the following conditions exist: (1) Appreciable combustible material, in building construction or contents, closer than 35 feet (10.7 m) to the point of operation. (2) Appreciable combustibles are more than 35 feet (10.7 m) away but are easily ignited by sparks. (3) Wall or floor openings within a 35-foot (10.7 m) radius expose combustible material in adjacent areas including concealed spaces in walls or floors. (4) Combustible materials are adjacent to the opposite side of metal partitions, walls, ceilings, or roofs and are likely to be ignited by conduction or radiation.	

<b>01 22 20 00-0055</b>	<b>Rates For Project Management Services</b> <small>(01 22 20)</small>	
01 22 20 00-0056	HR Project Manager.....	161.25

<b>01 22 20 00-0057</b>	<b>Rates For Architectural And Engineering Services</b> <small>(01 22 20)</small>	
	Note: For preparation of contract documents, structural and/or design drawings, special investigating requirements or services outside required architectural and engineering services.	
01 22 20 00-0058	HR Principal Architect.....	225.00
01 22 20 00-0059	HR Senior Architect.....	200.00
01 22 20 00-0060	HR Architect.....	150.00
01 22 20 00-0061	HR Principal Engineer.....	222.50
01 22 20 00-0062	HR Senior Engineer.....	172.50
01 22 20 00-0063	HR Engineer.....	135.00
01 22 20 00-0064	HR Draft Person.....	80.00

<b>01 22 20 00-0065</b>	<b>Rates For Traffic Control</b> <small>(01 22 20)</small>	
01 22 20 00-0066	HR Flagperson For Traffic Control.....	82.24
01 22 20 00-0067	DAY Pilot Vehicle With Driver.....	1,052.64
	Note: Includes radio, "Follow Me" sign, "Wait For Pilot Car" signs on barricades where required.	
01 22 20 00-0068	HR California Highway Patrol Officer With Car.....	50.70
	<i>For Each Mile, Add</i>	0.66
01 22 20 00-0069	HR California Highway Patrol Officer With Motorcycle.....	51.22
	<i>For Each Mile, Add</i>	0.66
01 22 20 00-0070	HR California Highway Patrol Sergeant Officer With Car.....	62.13
	<i>For Each Mile, Add</i>	0.66
01 22 20 00-0071	HR California Highway Patrol Sergeant Officer With Motorcycle.....	62.28
	<i>For Each Mile, Add</i>	0.66

<b>01 22 20 00-0072</b>	<b>Mobilize Equipment</b> <small>(01 22 20)</small>	
01 22 20 00-0073	HR Escort Vehicle With Driver.....	93.72
01 22 20 00-0074	HR Transport Vehicle With Driver.....	135.61

<b>01 22 23</b>	<b>Equipment Usage</b> <small>(01 22)</small>	
	Note: Includes fuel costs unless otherwise stated. These tasks shall be used for owned, leased or rented equipment. Excludes mobilization unless otherwise stated. Monthly rate = 30.33 Days (42 Day rental is 42/30.33 = 1.3848 UOM for Monthly Rental). See CSI section 01 22 20 00-0065 for traffic control (where required), 01 71 13 00-0000 for equipment delivery, pickup, mobilization and demobilization.	

<b>01 22 23 00-0001</b>	<b>Aerial Equipment</b> <small>(01 22 23)</small>	
<b>01 22 23 00-0002</b>	<b>Man Lifts</b> <small>(01 22 23 00-0001)</small>	
	Note: Excludes operator, delivery, set-up, and removal.	
<b>01 22 23 00-0003</b>	<b>Telescoping Boom Man Lifts With Platform</b> <small>(01 22 23 00-0002)</small>	
<b>01 22 23 00-0004</b>	<b>Engine Powered, Telescoping Boom Man Lifts With Platform</b> <small>(01 22 23 00-0003)</small>	
	Note: Diesel or dual fuel (gasoline or liquid propane gas). Two-wheel drive. For use on unpaved or paved surfaces.	
01 22 23 00-0005	DAY 40' Engine Powered, Telescoping Boom Man Lift With Platform.....	475.20
	<i>For Four-Wheel Drive, Add</i>	106.92
01 22 23 00-0006	WK 40' Engine Powered, Telescoping Boom Man Lift With Platform.....	1,195.66
	<i>For Four-Wheel Drive, Add</i>	269.02
01 22 23 00-0007	MO 40' Engine Powered, Telescoping Boom Man Lift With Platform.....	2,682.58
	<i>For Four-Wheel Drive, Add</i>	603.58
	<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	-107.30

<b>01</b>	<b>General Requirements</b>
<b>01 20</b>	<b>Price and Payment Procedures</b>
<b>01 22</b>	<b>Unit Prices</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0008 DAY 60' Engine Powered, Telescoping Boom Man Lift With Platform .....	697.47	
For Four-Wheel Drive, Add	156.93	
01 22 23 00-0009 WK 60' Engine Powered, Telescoping Boom Man Lift With Platform .....	1,663.20	
For Four-Wheel Drive, Add	374.22	
01 22 23 00-0010 MO 60' Engine Powered, Telescoping Boom Man Lift With Platform .....	3,640.64	
For Four-Wheel Drive, Add	819.14	
For >6 Months (>26 Weeks) , Deduct	-145.63	
01 22 23 00-0011 DAY 80' Engine Powered, Telescoping Boom Man Lift With Platform .....	1,356.62	
For Four-Wheel Drive, Add	305.24	
01 22 23 00-0012 WK 80' Engine Powered, Telescoping Boom Man Lift With Platform .....	3,288.07	
For Four-Wheel Drive, Add	739.82	
01 22 23 00-0013 MO 80' Engine Powered, Telescoping Boom Man Lift With Platform .....	6,898.05	
For Four-Wheel Drive, Add	1,552.06	
For >6 Months (>26 Weeks) , Deduct	-275.92	
01 22 23 00-0014 DAY 110' Engine Powered, Telescoping Boom Man Lift With Platform .....	1,931.45	
For Four-Wheel Drive, Add	434.58	
01 22 23 00-0015 WK 110' Engine Powered, Telescoping Boom Man Lift With Platform .....	4,650.82	
For Four-Wheel Drive, Add	1,046.43	
01 22 23 00-0016 MO 110' Engine Powered, Telescoping Boom Man Lift With Platform .....	11,588.72	
For Four-Wheel Drive, Add	2,607.46	
For >6 Months (>26 Weeks) , Deduct	-463.55	
01 22 23 00-0017 DAY 120' Engine Powered, Telescoping Boom Man Lift With Platform .....	2,353.00	
For Four-Wheel Drive, Add	529.43	
01 22 23 00-0018 WK 120' Engine Powered, Telescoping Boom Man Lift With Platform .....	6,001.30	
For Four-Wheel Drive, Add	1,350.29	
01 22 23 00-0019 MO 120' Engine Powered, Telescoping Boom Man Lift With Platform .....	13,642.81	
For Four-Wheel Drive, Add	3,069.63	
For >6 Months (>26 Weeks) , Deduct	-545.71	
<b>01 22 23 00-0020 Articulating (Up/Over) Boom Man Lifts With Platform (01 22 23 00-0002)</b>		
<b>01 22 23 00-0021 Engine Powered, Articulating (Up/Over) Boom Man Lifts With Platform (01 22 23 00-0020)</b>		
Note: Diesel or dual fuel (gasoline or liquid propane gas). Four-wheel drive. For use on unpaved or paved surfaces.		
01 22 23 00-0022 DAY 34' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform .....	461.53	
01 22 23 00-0023 WK 34' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform .....	1,158.03	
01 22 23 00-0024 MO 34' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform .....	2,785.98	
For >6 Months (>26 Weeks) , Deduct	-111.44	
01 22 23 00-0025 DAY 45' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform .....	587.40	
01 22 23 00-0026 WK 45' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform .....	1,283.90	
01 22 23 00-0027 MO 45' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform .....	3,187.09	
For >6 Months (>26 Weeks) , Deduct	-127.48	
01 22 23 00-0028 DAY 60' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform .....	755.24	
01 22 23 00-0029 WK 60' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform .....	1,745.43	
01 22 23 00-0030 MO 60' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform .....	3,902.05	
For >6 Months (>26 Weeks) , Deduct	-156.08	
01 22 23 00-0031 DAY 80' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform .....	1,317.47	
01 22 23 00-0032 WK 80' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform .....	3,104.86	
01 22 23 00-0033 MO 80' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform .....	7,550.67	
For >6 Months (>26 Weeks) , Deduct	-302.03	
01 22 23 00-0034 DAY 125' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform .....	2,559.41	
01 22 23 00-0035 WK 125' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform .....	6,041.88	
01 22 23 00-0036 MO 125' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform .....	14,769.04	
For >6 Months (>26 Weeks) , Deduct	-590.76	
<b>01 22 23 00-0037 Electric, Articulating (Up/Over) Boom Man Lifts With Platform (01 22 23 00-0020)</b>		
Note: For use on paved surfaces.		
01 22 23 00-0038 DAY 30' Electric, Articulating (Up/Over) Boom Man Lift With Platform .....	461.53	
01 22 23 00-0039 WK 30' Electric, Articulating (Up/Over) Boom Man Lift With Platform .....	1,158.03	
01 22 23 00-0040 MO 30' Electric, Articulating (Up/Over) Boom Man Lift With Platform .....	2,785.98	
For >6 Months (>26 Weeks) , Deduct	-111.44	
01 22 23 00-0041 DAY 35' Electric, Articulating (Up/Over) Boom Man Lift With Platform .....	461.53	
01 22 23 00-0042 WK 35' Electric, Articulating (Up/Over) Boom Man Lift With Platform .....	1,158.03	
01 22 23 00-0043 MO 35' Electric, Articulating (Up/Over) Boom Man Lift With Platform .....	2,785.98	
For >6 Months (>26 Weeks) , Deduct	-111.44	
01 22 23 00-0044 DAY 40' Electric, Articulating (Up/Over) Boom Man Lift With Platform .....	570.62	
01 22 23 00-0045 WK 40' Electric, Articulating (Up/Over) Boom Man Lift With Platform .....	1,233.55	
01 22 23 00-0046 MO 40' Electric, Articulating (Up/Over) Boom Man Lift With Platform .....	3,062.90	
For >6 Months (>26 Weeks) , Deduct	-122.52	
01 22 23 00-0047 DAY 45' Electric, Articulating (Up/Over) Boom Man Lift With Platform .....	570.62	
01 22 23 00-0048 WK 45' Electric, Articulating (Up/Over) Boom Man Lift With Platform .....	1,233.55	
01 22 23 00-0049 MO 45' Electric, Articulating (Up/Over) Boom Man Lift With Platform .....	3,062.90	
For >6 Months (>26 Weeks) , Deduct	-122.52	
<b>01 22 23 00-0050 Platform Lifts (01 22 23 00-0001)</b>		
Note: Excludes operator, delivery, set-up, and removal.		
<b>01 22 23 00-0051 Electric, Scissor Platform Lifts (01 22 23 00-0050)</b>		
Note: For use on paved surfaces.		
01 22 23 00-0052 DAY 17' Electric, Scissor Platform Lift .....	173.02	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0053 WK 17' Electric, Scissor Platform Lift .....	346.04	
01 22 23 00-0054 MO 17' Electric, Scissor Platform Lift .....	707.80	
<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	-28.31	
01 22 23 00-0055 DAY 20' Electric, Scissor Platform Lift .....	188.75	
01 22 23 00-0056 WK 20' Electric, Scissor Platform Lift .....	377.50	
01 22 23 00-0057 MO 20' Electric, Scissor Platform Lift .....	754.99	
<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	-30.20	
01 22 23 00-0058 DAY 25' Electric, Scissor Platform Lift .....	243.80	
01 22 23 00-0059 WK 25' Electric, Scissor Platform Lift .....	487.60	
01 22 23 00-0060 MO 25' Electric, Scissor Platform Lift .....	1,045.98	
<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	-41.84	
01 22 23 00-0061 DAY 30' Electric, Scissor Platform Lift .....	314.58	
01 22 23 00-0062 WK 30' Electric, Scissor Platform Lift .....	621.30	
01 22 23 00-0063 MO 30' Electric, Scissor Platform Lift .....	1,376.29	
<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	-55.05	
01 22 23 00-0064 DAY 33' Electric, Scissor Platform Lift .....	338.17	
01 22 23 00-0065 WK 33' Electric, Scissor Platform Lift .....	660.62	
01 22 23 00-0066 MO 33' Electric, Scissor Platform Lift .....	1,494.26	
<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	-59.77	
01 22 23 00-0067 DAY 40' Electric, Scissor Platform Lift .....	440.41	
01 22 23 00-0068 WK 40' Electric, Scissor Platform Lift .....	1,093.17	
01 22 23 00-0069 MO 40' Electric, Scissor Platform Lift .....	3,043.56	
<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	-121.74	
<b>01 22 23 00-0070 Engine Powered, Scissor Platform Lifts</b> <small>(01 22 23 00-0050)</small>		
<small>Note: Diesel or dual fuel (gasoline or liquid propane gas). Two-wheel drive. For use on unpaved or paved surfaces.</small>		
01 22 23 00-0071 DAY 25' Engine Powered, Scissor Platform Lift .....	428.87	
<i>For Four-Wheel Drive, Add</i>	85.77	
01 22 23 00-0072 WK 25' Engine Powered, Scissor Platform Lift .....	838.68	
<i>For Four-Wheel Drive, Add</i>	167.74	
01 22 23 00-0073 MO 25' Engine Powered, Scissor Platform Lift .....	2,049.06	
<i>For Four-Wheel Drive, Add</i>	409.81	
<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	-81.96	
01 22 23 00-0074 DAY 33' Engine Powered, Scissor Platform Lift .....	438.40	
<i>For Four-Wheel Drive, Add</i>	87.68	
01 22 23 00-0075 WK 33' Engine Powered, Scissor Platform Lift .....	1,000.70	
<i>For Four-Wheel Drive, Add</i>	200.14	
01 22 23 00-0076 MO 33' Engine Powered, Scissor Platform Lift .....	2,192.02	
<i>For Four-Wheel Drive, Add</i>	438.40	
<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	-87.68	
01 22 23 00-0077 DAY 40' Engine Powered, Scissor Platform Lift .....	486.06	
<i>For Four-Wheel Drive, Add</i>	97.21	
01 22 23 00-0078 WK 40' Engine Powered, Scissor Platform Lift .....	1,115.07	
<i>For Four-Wheel Drive, Add</i>	223.01	
01 22 23 00-0079 MO 40' Engine Powered, Scissor Platform Lift .....	2,477.93	
<i>For Four-Wheel Drive, Add</i>	495.59	
<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	-99.12	
01 22 23 00-0080 DAY 43' Engine Powered, Scissor Platform Lift .....	514.65	
<i>For Four-Wheel Drive, Add</i>	102.93	
01 22 23 00-0081 WK 43' Engine Powered, Scissor Platform Lift .....	1,200.84	
<i>For Four-Wheel Drive, Add</i>	240.17	
01 22 23 00-0082 MO 43' Engine Powered, Scissor Platform Lift .....	2,954.46	
<i>For Four-Wheel Drive, Add</i>	590.89	
<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	-118.18	
01 22 23 00-0083 DAY 50' Engine Powered, Scissor Platform Lift .....	962.58	
<i>For Four-Wheel Drive, Add</i>	192.52	
01 22 23 00-0084 WK 50' Engine Powered, Scissor Platform Lift .....	2,115.77	
<i>For Four-Wheel Drive, Add</i>	423.15	
01 22 23 00-0085 MO 50' Engine Powered, Scissor Platform Lift .....	5,203.65	
<i>For Four-Wheel Drive, Add</i>	1,040.73	
<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	-208.15	
<b>01 22 23 00-0086 Personnel Lifts</b> <small>(01 22 23 00-0001)</small>		
<small>Note: Includes delivery to job site and pick-up when complete. Excludes operator. For use on paved surfaces.</small>		
01 22 23 00-0087 DAY 24', Push-Type, Electric Single Man Personnel Lift .....	118.49	
01 22 23 00-0088 WK 24', Push-Type, Electric Single Man Personnel Lift .....	335.73	
01 22 23 00-0089 MO 24', Push-Type, Electric Single Man Personnel Lift .....	678.05	
<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	-27.12	
01 22 23 00-0090 DAY 30', Push-Type, Electric Single Man Personnel Lift .....	164.58	
01 22 23 00-0091 WK 30', Push-Type, Electric Single Man Personnel Lift .....	348.90	
01 22 23 00-0092 MO 30', Push-Type, Electric Single Man Personnel Lift .....	1,184.94	
<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	-47.40	
01 22 23 00-0093 DAY 36', Push-Type, Electric Single Man Personnel Lift .....	276.49	
01 22 23 00-0094 WK 36', Push-Type, Electric Single Man Personnel Lift .....	671.47	
01 22 23 00-0095 MO 36', Push-Type, Electric Single Man Personnel Lift .....	1,961.73	
<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	-78.47	
01 22 23 00-0096 DAY 40', Push-Type, Electric Single Man Personnel Lift .....	296.24	
01 22 23 00-0097 WK 40', Push-Type, Electric Single Man Personnel Lift .....	737.30	
01 22 23 00-0098 MO 40', Push-Type, Electric Single Man Personnel Lift .....	2,218.47	
<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	-88.74	
01 22 23 00-0099 DAY 15', Self-Propelled, Electric Single Man Personnel Lift .....	157.99	

<b>01</b>	<b>01</b>	<b>General Requirements</b>
	<b>01 20</b>	<b>Price and Payment Procedures</b>
	<b>01 22</b>	<b>Unit Prices</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0100	WK	15'	Self-Propelled, Electric Single Man Personnel Lift .....	315.98	
01 22 23 00-0101	MO	15'	Self-Propelled, Electric Single Man Personnel Lift .....	631.97	
			<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	-25.28	
01 22 23 00-0102	DAY	20'	Self-Propelled, Electric Single Man Personnel Lift .....	157.99	
01 22 23 00-0103	WK	20'	Self-Propelled, Electric Single Man Personnel Lift .....	315.98	
01 22 23 00-0104	MO	20'	Self-Propelled, Electric Single Man Personnel Lift .....	656.98	
			<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	-26.28	
<b>01 22 23 00-0105</b>			<b>Bucket Trucks</b> <small>(01 22 23 00-0001)</small>		
			Note: Includes full-time operator, delivery, and removal.		
01 22 23 00-0106	DAY	29' To 33'	Bucket Truck With Full-Time Operator .....	1,426.10	
			<i>For Equipment Without Operator, Deduct</i>	-727.16	
01 22 23 00-0107	WK	29' To 33'	Bucket Truck With Full-Time Operator .....	5,732.63	
			<i>For Equipment Without Operator, Deduct</i>	-3,635.81	
01 22 23 00-0108	MO	29' To 33'	Bucket Truck With Full-Time Operator .....	21,092.55	
			<i>For Equipment Without Operator, Deduct</i>	-15,755.19	
			<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	-213.49	
01 22 23 00-0109	DAY	38' To 41'	Bucket Truck With Full-Time Operator .....	1,515.06	
			<i>For Equipment Without Operator, Deduct</i>	-727.16	
01 22 23 00-0110	WK	38' To 41'	Bucket Truck With Full-Time Operator .....	6,018.56	
			<i>For Equipment Without Operator, Deduct</i>	-3,635.81	
01 22 23 00-0111	MO	38' To 41'	Bucket Truck With Full-Time Operator .....	21,855.03	
			<i>For Equipment Without Operator, Deduct</i>	-15,755.19	
			<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	-243.99	
01 22 23 00-0112	DAY	45' To 48'	Bucket Truck With Full-Time Operator .....	1,743.80	
			<i>For Equipment Without Operator, Deduct</i>	-727.16	
01 22 23 00-0113	WK	45' To 48'	Bucket Truck With Full-Time Operator .....	6,431.57	
			<i>For Equipment Without Operator, Deduct</i>	-3,635.81	
01 22 23 00-0114	MO	45' To 48'	Bucket Truck With Full-Time Operator .....	22,744.59	
			<i>For Equipment Without Operator, Deduct</i>	-15,755.19	
			<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	-279.58	
01 22 23 00-0115	DAY	62'	Bucket Truck With Full-Time Operator .....	2,252.12	
			<i>For Equipment Without Operator, Deduct</i>	-727.16	
01 22 23 00-0116	WK	62'	Bucket Truck With Full-Time Operator .....	8,083.61	
			<i>For Equipment Without Operator, Deduct</i>	-3,635.81	
01 22 23 00-0117	MO	62'	Bucket Truck With Full-Time Operator .....	27,192.39	
			<i>For Equipment Without Operator, Deduct</i>	-15,755.19	
			<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	-457.49	
01 22 23 00-0118	DAY	85'	Bucket Truck With Full-Time Operator .....	2,506.28	
			<i>For Equipment Without Operator, Deduct</i>	-727.16	
01 22 23 00-0119	WK	85'	Bucket Truck With Full-Time Operator .....	8,973.17	
			<i>For Equipment Without Operator, Deduct</i>	-3,635.81	
01 22 23 00-0120	MO	85'	Bucket Truck With Full-Time Operator .....	30,369.39	
			<i>For Equipment Without Operator, Deduct</i>	-15,755.19	
			<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	-584.57	
<b>01 22 23 00-0121</b>			<b>Air Equipment</b> <small>(01 22 23)</small>		
<b>01 22 23 00-0122</b>			<b>Air Compressors</b> <small>(01 22 23 00-0121)</small>		
			Note: Includes delivery, set-up, and removal. Excludes operator.		
01 22 23 00-0123	DAY	100 CFM	Diesel Powered Portable Air Compressor .....	165.44	
01 22 23 00-0124	WK	100 CFM	Diesel Powered Portable Air Compressor .....	496.30	
01 22 23 00-0125	MO	100 CFM	Diesel Powered Portable Air Compressor .....	1,378.62	
			<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	-55.14	
01 22 23 00-0126	DAY	130 CFM	Diesel Powered Portable Air Compressor .....	198.52	
01 22 23 00-0127	WK	130 CFM	Diesel Powered Portable Air Compressor .....	584.54	
01 22 23 00-0128	MO	130 CFM	Diesel Powered Portable Air Compressor .....	1,654.35	
			<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	-66.17	
01 22 23 00-0129	DAY	185 CFM	Diesel Powered Portable Air Compressor .....	264.70	
01 22 23 00-0130	WK	185 CFM	Diesel Powered Portable Air Compressor .....	595.57	
01 22 23 00-0131	MO	185 CFM	Diesel Powered Portable Air Compressor .....	1,312.45	
			<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	-52.50	
01 22 23 00-0132	DAY	375 CFM	Diesel Powered Portable Air Compressor .....	374.99	
01 22 23 00-0133	WK	375 CFM	Diesel Powered Portable Air Compressor .....	948.49	
01 22 23 00-0134	MO	375 CFM	Diesel Powered Portable Air Compressor .....	2,260.94	
			<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	-90.44	
01 22 23 00-0135	DAY	600 CFM	Diesel Powered Portable Air Compressor .....	833.79	
01 22 23 00-0136	WK	600 CFM	Diesel Powered Portable Air Compressor .....	2,007.28	
01 22 23 00-0137	MO	600 CFM	Diesel Powered Portable Air Compressor .....	5,002.75	
			<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	-200.11	
01 22 23 00-0138	DAY	750 CFM	Diesel Powered Portable Air Compressor .....	1,003.64	
01 22 23 00-0139	WK	750 CFM	Diesel Powered Portable Air Compressor .....	2,470.50	
01 22 23 00-0140	MO	750 CFM	Diesel Powered Portable Air Compressor .....	6,065.95	
			<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	-242.64	
01 22 23 00-0141	DAY	825 CFM	Diesel Powered Portable Air Compressor .....	1,003.64	
01 22 23 00-0142	WK	825 CFM	Diesel Powered Portable Air Compressor .....	2,470.50	
01 22 23 00-0143	MO	825 CFM	Diesel Powered Portable Air Compressor .....	6,065.95	
			<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	-242.64	
01 22 23 00-0144	DAY	1,300 CFM	Diesel Powered Portable Air Compressor .....	1,169.07	
01 22 23 00-0145	WK	1,300 CFM	Diesel Powered Portable Air Compressor .....	2,620.49	
01 22 23 00-0146	MO	1,300 CFM	Diesel Powered Portable Air Compressor .....	6,987.97	
			<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	-279.52	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23	00-0147	DAY	1,600 CFM Diesel Powered Portable Air Compressor.....	1,455.83	
01 22 23	00-0148	WK	1,600 CFM Diesel Powered Portable Air Compressor.....	3,275.61	
01 22 23	00-0149	MO	1,600 CFM Diesel Powered Portable Air Compressor.....	8,734.97	
			<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	-349.40	
<b>01 22 23</b>	<b>00-0150</b>		<b>Portable Negative Air Machines</b> <small>(01 22 23 00-0121)</small>		
			Note: A Negative Air Machine is used in a sealed containment area to filter air and exhaust the filtered air through ducting to a location outside the sealed containment area. Includes delivery to job site and pick-up when complete. Excludes all filters and duct.		
01 22 23	00-0151	DAY	Up To 2,000 CFM, Portable Negative Air Machine.....	121.26	
01 22 23	00-0152	WK	Up To 2,000 CFM, Portable Negative Air Machine.....	498.04	
01 22 23	00-0153	MO	Up To 2,000 CFM, Portable Negative Air Machine.....	1,504.95	
			<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	-60.20	
01 22 23	00-0154	EA	First Stage Pre-Filter For Portable Negative Air Machines.....	14.55	
01 22 23	00-0155	EA	Second Stage Pre-Filter For Portable Negative Air Machines.....	34.40	
01 22 23	00-0156	EA	High Efficiency Particulate Air (HEPA) Filter, 99.99% Efficient At 0.3 Micron For Portable Negative Air Machines.....	180.70	
01 22 23	00-0157	LF	Flexible Exhaust Duct For Portable Negative Air Machines.....	2.30	
<b>01 22 23</b>	<b>00-0158</b>		<b>Compaction And Paving Equipment</b> <small>(01 22 23)</small>		
<b>01 22 23</b>	<b>00-0159</b>		<b>Pavers And Rollers</b> <small>(01 22 23 00-0158)</small>		
			Note: Includes full-time operator. Excludes delivery, set-up, and removal.		
<b>01 22 23</b>	<b>00-0160</b>		<b>Pavers</b> <small>(01 22 23 00-0159)</small>		
01 22 23	00-0161	DAY	10' Wide Paving Machine With Full-Time Operator.....	4,325.36	
			<i>For Equipment Without Operator, Deduct</i>	-919.86	
01 22 23	00-0162	WK	10' Wide Paving Machine With Full-Time Operator.....	18,221.29	
			<i>For Equipment Without Operator, Deduct</i>	-4,599.28	
01 22 23	00-0163	MO	10' Wide Paving Machine With Full-Time Operator.....	68,581.12	
			<i>For Equipment Without Operator, Deduct</i>	-19,930.23	
			<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	-1,946.04	
<b>01 22 23</b>	<b>00-0164</b>		<b>Ride-On Self-Propelled, Rubber Tire Rollers</b> <small>(01 22 23 00-0159)</small>		
01 22 23	00-0165	DAY	10 To 12 Ton, Ride-On Self Propelled, 9 Wheel Rubber-Tire Roller With Full-Time Operator.....	1,288.96	
			<i>For Equipment Without Operator, Deduct</i>	-919.86	
01 22 23	00-0166	WK	10 To 12 Ton, Ride-On Self Propelled, 9 Wheel Rubber-Tire Roller With Full-Time Operator.....	5,715.66	
			<i>For Equipment Without Operator, Deduct</i>	-4,599.28	
01 22 23	00-0167	MO	10 To 12 Ton, Ride-On Self Propelled, 9 Wheel Rubber-Tire Roller With Full-Time Operator.....	22,960.76	
			<i>For Equipment Without Operator, Deduct</i>	-19,930.23	
			<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	-121.22	
01 22 23	00-0168	DAY	15 Ton, Ride-On Self Propelled, 9 Wheel Rubber-Tire Roller With Full-Time Operator.....	1,431.42	
			<i>For Equipment Without Operator, Deduct</i>	-919.86	
01 22 23	00-0169	WK	15 Ton, Ride-On Self Propelled, 9 Wheel Rubber-Tire Roller With Full-Time Operator.....	6,775.05	
			<i>For Equipment Without Operator, Deduct</i>	-4,599.28	
01 22 23	00-0170	MO	15 Ton, Ride-On Self Propelled, 9 Wheel Rubber-Tire Roller With Full-Time Operator.....	24,560.21	
			<i>For Equipment Without Operator, Deduct</i>	-19,930.23	
			<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	-185.20	
01 22 23	00-0171	DAY	30 Ton, Ride-On Self Propelled, 11 Wheel Rubber-Tire Roller With Full-Time Operator.....	1,437.90	
			<i>For Equipment Without Operator, Deduct</i>	-919.86	
01 22 23	00-0172	WK	30 Ton, Ride-On Self Propelled, 11 Wheel Rubber-Tire Roller With Full-Time Operator.....	6,354.14	
			<i>For Equipment Without Operator, Deduct</i>	-4,599.28	
01 22 23	00-0173	MO	30 Ton, Ride-On Self Propelled, 11 Wheel Rubber-Tire Roller With Full-Time Operator.....	24,871.04	
			<i>For Equipment Without Operator, Deduct</i>	-19,930.23	
			<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	-197.63	
<b>01 22 23</b>	<b>00-0174</b>		<b>Ride-On Self-Propelled, Padfoot Rollers</b> <small>(01 22 23 00-0159)</small>		
01 22 23	00-0175	DAY	5 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator.....	1,347.24	
			<i>For Equipment Without Operator, Deduct</i>	-919.86	
01 22 23	00-0176	WK	5 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator.....	5,784.30	
			<i>For Equipment Without Operator, Deduct</i>	-4,599.28	
01 22 23	00-0177	MO	5 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator.....	23,355.77	
			<i>For Equipment Without Operator, Deduct</i>	-19,930.23	
			<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	-137.02	
01 22 23	00-0178	DAY	8 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator.....	1,619.21	
			<i>For Equipment Without Operator, Deduct</i>	-919.86	
01 22 23	00-0179	WK	8 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator.....	6,334.71	
			<i>For Equipment Without Operator, Deduct</i>	-4,599.28	
01 22 23	00-0180	MO	8 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator.....	25,091.20	
			<i>For Equipment Without Operator, Deduct</i>	-19,930.23	
			<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	-206.44	
01 22 23	00-0181	DAY	10 To 12 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator.....	1,683.97	
			<i>For Equipment Without Operator, Deduct</i>	-919.86	
01 22 23	00-0182	WK	10 To 12 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator.....	6,742.67	
			<i>For Equipment Without Operator, Deduct</i>	-4,599.28	
01 22 23	00-0183	MO	10 To 12 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator.....	26,230.89	
			<i>For Equipment Without Operator, Deduct</i>	-19,930.23	
			<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	-252.03	
<b>01 22 23</b>	<b>00-0184</b>		<b>Towed, Padfoot Rollers</b> <small>(01 22 23 00-0159)</small>		

<b>01</b>	<b>General Requirements</b>
<b>01 20</b>	<b>Price and Payment Procedures</b>
<b>01 22</b>	<b>Unit Prices</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0185	DAY		48" Wide, 40" Diameter, Towed Padfoot Roller .....	123.03	
01 22 23 00-0186	WK		48" Wide, 40" Diameter, Towed Padfoot Roller .....	356.15	
01 22 23 00-0187	MO		48" Wide, 40" Diameter, Towed Padfoot Roller .....	1,049.03	
			<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	-41.96	
01 22 23 00-0188	DAY		60" Wide, 60" Diameter, Towed Padfoot Roller .....	155.41	
01 22 23 00-0189	WK		60" Wide, 60" Diameter, Towed Padfoot Roller .....	433.86	
01 22 23 00-0190	MO		60" Wide, 60" Diameter, Towed Padfoot Roller .....	1,845.52	
			<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	-73.82	
<b>01 22 23 00-0191</b>			<b>Static Rollers</b> (01 22 23 00-0159)		
01 22 23 00-0192	DAY		5 Ton, 2 Drum Articulated Roller With Full-Time Operator .....	1,379.62	
			<i>For Equipment Without Operator, Deduct</i>	-919.86	
01 22 23 00-0193	WK		5 Ton, 2 Drum Articulated Roller With Full-Time Operator .....	6,062.74	
			<i>For Equipment Without Operator, Deduct</i>	-4,599.28	
01 22 23 00-0194	MO		5 Ton, 2 Drum Articulated Roller With Full-Time Operator .....	24,268.81	
			<i>For Equipment Without Operator, Deduct</i>	-19,930.23	
			<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	-173.54	
01 22 23 00-0195	DAY		8 To 10 Ton, 2 Drum Articulated Roller With Full-Time Operator .....	1,522.08	
			<i>For Equipment Without Operator, Deduct</i>	-919.86	
01 22 23 00-0196	WK		8 To 10 Ton, 2 Drum Articulated Roller With Full-Time Operator .....	6,451.27	
			<i>For Equipment Without Operator, Deduct</i>	-4,599.28	
01 22 23 00-0197	MO		8 To 10 Ton, 2 Drum Articulated Roller With Full-Time Operator .....	25,343.75	
			<i>For Equipment Without Operator, Deduct</i>	-19,930.23	
			<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	-216.54	
<b>01 22 23 00-0198</b>			<b>Ride-On Self-Propelled, Smooth Drum Vibratory Rollers</b> (01 22 23 00-0159)		
01 22 23 00-0199	DAY		5 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator .....	1,334.29	
			<i>For Equipment Without Operator, Deduct</i>	-919.86	
01 22 23 00-0200	WK		5 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator .....	5,823.15	
			<i>For Equipment Without Operator, Deduct</i>	-4,599.28	
01 22 23 00-0201	MO		5 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator .....	23,167.98	
			<i>For Equipment Without Operator, Deduct</i>	-19,930.23	
			<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	-129.51	
01 22 23 00-0202	DAY		8 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator .....	1,418.47	
			<i>For Equipment Without Operator, Deduct</i>	-919.86	
01 22 23 00-0203	WK		8 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator .....	6,069.22	
			<i>For Equipment Without Operator, Deduct</i>	-4,599.28	
01 22 23 00-0204	MO		8 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator .....	23,809.05	
			<i>For Equipment Without Operator, Deduct</i>	-19,930.23	
			<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	-155.15	
01 22 23 00-0205	DAY		11 To 12 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator .....	1,586.84	
			<i>For Equipment Without Operator, Deduct</i>	-919.86	
01 22 23 00-0206	WK		11 To 12 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator .....	6,561.36	
			<i>For Equipment Without Operator, Deduct</i>	-4,599.28	
01 22 23 00-0207	MO		11 To 12 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator .....	25,110.63	
			<i>For Equipment Without Operator, Deduct</i>	-19,930.23	
			<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	-207.22	
<b>01 22 23 00-0208</b>			<b>Steel Roadway Plates</b> (01 22 23 00-0158)		
			Note: 3 day minimum. Excludes delivery to job site and pick-up when complete. See CSI section 01 22 23 00-0209 for for placement (set-up) from truck and removal from ground (load on truck), 01 71 13 00-0001 for material delivery on truck.		
01 22 23 00-0209	EA		Placement And Removal Of Steel Roadway Plates .....	54.92	
01 22 23 00-0210	DAY		1" x 4' x 8' Steel Plate .....	44.12	
01 22 23 00-0211	WK		1" x 4' x 8' Steel Plate .....	104.18	
01 22 23 00-0212	MO		1" x 4' x 8' Steel Plate .....	137.10	
			<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	-5.48	
01 22 23 00-0213	DAY		1" x 4' x 10' Steel Plate .....	58.83	
01 22 23 00-0214	WK		1" x 4' x 10' Steel Plate .....	132.36	
01 22 23 00-0215	MO		1" x 4' x 10' Steel Plate .....	161.78	
			<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	-6.47	
01 22 23 00-0216	DAY		1" x 5' x 10' Steel Plate .....	61.28	
01 22 23 00-0217	WK		1" x 5' x 10' Steel Plate .....	138.49	
01 22 23 00-0218	MO		1" x 5' x 10' Steel Plate .....	367.68	
			<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	-14.71	
01 22 23 00-0219	DAY		1" x 6' x 8' Steel Plate .....	39.22	
01 22 23 00-0220	WK		1" x 6' x 8' Steel Plate .....	88.24	
01 22 23 00-0221	MO		1" x 6' x 8' Steel Plate .....	235.32	
			<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	-9.41	
01 22 23 00-0222	DAY		1" x 6' x 10' Steel Plate .....	73.54	
01 22 23 00-0223	WK		1" x 6' x 10' Steel Plate .....	96.82	
01 22 23 00-0224	MO		1" x 6' x 10' Steel Plate .....	258.60	
			<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	-10.34	
01 22 23 00-0225	DAY		1" x 6' x 12' Steel Plate .....	102.95	
01 22 23 00-0226	WK		1" x 6' x 12' Steel Plate .....	131.75	
01 22 23 00-0227	MO		1" x 6' x 12' Steel Plate .....	356.65	
			<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	-14.27	
01 22 23 00-0228	DAY		1" x 8' x 10' Steel Plate .....	64.96	
01 22 23 00-0229	WK		1" x 8' x 10' Steel Plate .....	145.85	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0230 MO 1" x 8' x 10' Steel Plate .....	388.52	
For >6 Months (>26 Weeks) , Deduct	-15.54	
01 22 23 00-0231 DAY 1" x 8' x 12' Steel Plate .....	117.66	
01 22 23 00-0232 WK 1" x 8' x 12' Steel Plate .....	145.85	
01 22 23 00-0233 MO 1" x 8' x 12' Steel Plate .....	705.95	
For >6 Months (>26 Weeks) , Deduct	-28.24	
01 22 23 00-0234 DAY 1" x 8' x 16' Steel Plate .....	156.88	
01 22 23 00-0235 WK 1" x 8' x 16' Steel Plate .....	352.97	
01 22 23 00-0236 MO 1" x 8' x 16' Steel Plate .....	941.26	
For >6 Months (>26 Weeks) , Deduct	-37.65	
01 22 23 00-0237 DAY 1-1/4" x 8' x 10' Steel Plate .....	77.95	
01 22 23 00-0238 WK 1-1/4" x 8' x 10' Steel Plate .....	175.02	
01 22 23 00-0239 MO 1-1/4" x 8' x 10' Steel Plate .....	466.22	
For >6 Months (>26 Weeks) , Deduct	-18.65	
01 22 23 00-0240 DAY 1-1/2" x 8' x 15' Steel Plate .....	180.41	
01 22 23 00-0241 WK 1-1/2" x 8' x 15' Steel Plate .....	405.92	
01 22 23 00-0242 MO 1-1/2" x 8' x 15' Steel Plate .....	1,082.45	
For >6 Months (>26 Weeks) , Deduct	-43.30	
01 22 23 00-0243 LF Cold Mix For Temporary Ramp Base, 6" At Edge Of Trench Plate .....	2.42	1.01
01 22 23 00-0244 EA Removal And Resetting Of Steel Roadway Plate .....	30.51	
<b>01 22 23 00-0245 Street Sweepers (01 22 23 00-0158)</b>		
Note: Includes full-time operator. Excludes delivery, set-up, and removal.		
01 22 23 00-0246 DAY 8' Road Broom, Self Propelled Street Sweeper With Full-Time Operator .....	1,095.03	
For Equipment Without Operator, Deduct	-877.07	
01 22 23 00-0247 WK 8' Road Broom, Self Propelled Street Sweeper With Full-Time Operator .....	5,249.04	
For Equipment Without Operator, Deduct	-4,385.34	
01 22 23 00-0248 MO 8' Road Broom, Self Propelled Street Sweeper With Full-Time Operator .....	22,080.33	
For Equipment Without Operator, Deduct	-19,003.16	
For >6 Months (>26 Weeks) , Deduct	-123.09	
01 22 23 00-0249 DAY Self-Propelled Street Sweeper With Hopper And Full-Time Operator .....	2,107.37	
Note: Truck with main and gutter brooms, elevator, debris hopper and water tank.		
For Equipment Without Operator, Deduct	-877.07	
01 22 23 00-0250 WK Self-Propelled Street Sweeper With Hopper And Full-Time Operator .....	9,313.35	
Note: Truck with main and gutter brooms, elevator, debris hopper and water tank.		
For Equipment Without Operator, Deduct	-4,385.34	
01 22 23 00-0251 MO Self-Propelled Street Sweeper With Hopper And Full-Time Operator .....	36,590.04	
Note: Truck with main and gutter brooms, elevator, debris hopper and water tank.		
For Equipment Without Operator, Deduct	-19,003.16	
For >6 Months (>26 Weeks) , Deduct	-703.48	
<b>01 22 23 00-0252 Earthmoving Equipment (01 22 23)</b>		
<b>01 22 23 00-0253 Skid-Steer Loaders (01 22 23 00-0252)</b>		
Note: Includes full-time operator and combination bucket and dozer blade attachments. Add extra attachments where necessary. Excludes delivery, set-up, and removal.		
01 22 23 00-0254 DAY 700 LB Capacity, 36" Wide, Skid-Steer Loader With Full-Time Operator .....	1,199.05	
For Equipment Without Operator, Deduct	-877.07	
01 22 23 00-0255 WK 700 LB Capacity, 36" Wide, Skid-Steer Loader With Full-Time Operator .....	5,230.03	
For Equipment Without Operator, Deduct	-4,385.34	
01 22 23 00-0256 MO 700 LB Capacity, 36" Wide, Skid-Steer Loader With Full-Time Operator .....	21,037.43	
For Equipment Without Operator, Deduct	-19,003.16	
For >6 Months (>26 Weeks) , Deduct	-81.37	
01 22 23 00-0257 DAY 1,500 To 1,700 LB Capacity, 60" Wide, Skid-Steer Loader With Full-Time Operator .....	1,283.92	
For Equipment Without Operator, Deduct	-877.07	
01 22 23 00-0258 WK 1,500 To 1,700 LB Capacity, 60" Wide, Skid-Steer Loader With Full-Time Operator .....	5,383.62	
For Equipment Without Operator, Deduct	-4,385.34	
01 22 23 00-0259 MO 1,500 To 1,700 LB Capacity, 60" Wide, Skid-Steer Loader With Full-Time Operator .....	21,374.23	
For Equipment Without Operator, Deduct	-19,003.16	
For >6 Months (>26 Weeks) , Deduct	-94.84	
01 22 23 00-0260 DAY 2,000 To 2,400 LB Capacity, 72" Wide, Skid-Steer Loader With Full-Time Operator .....	1,308.17	
For Equipment Without Operator, Deduct	-877.07	
01 22 23 00-0261 WK 2,000 To 2,400 LB Capacity, 72" Wide, Skid-Steer Loader With Full-Time Operator .....	5,604.56	
For Equipment Without Operator, Deduct	-4,385.34	
01 22 23 00-0262 MO 2,000 To 2,400 LB Capacity, 72" Wide, Skid-Steer Loader With Full-Time Operator .....	21,960.26	
For Equipment Without Operator, Deduct	-19,003.16	
For >6 Months (>26 Weeks) , Deduct	-118.28	
01 22 23 00-0263 DAY 2,500 To 2,700 LB Capacity, 78" Wide, Tracked Skid-Steer Loader With Full-Time Operator .....	1,402.48	
For Equipment Without Operator, Deduct	-877.07	
01 22 23 00-0264 WK 2,500 To 2,700 LB Capacity, 78" Wide, Tracked Skid-Steer Loader With Full-Time Operator .....	5,914.41	
For Equipment Without Operator, Deduct	-4,385.34	
01 22 23 00-0265 MO 2,500 To 2,700 LB Capacity, 78" Wide, Tracked Skid-Steer Loader With Full-Time Operator .....	22,984.14	
For Equipment Without Operator, Deduct	-19,003.16	
For >6 Months (>26 Weeks) , Deduct	-159.24	
01 22 23 00-0266 DAY 3,200 To 3,500 LB Capacity, 78" Wide, Tracked Skid-Steer Loader With Full-Time Operator .....	1,564.14	
For Equipment Without Operator, Deduct	-877.07	
01 22 23 00-0267 WK 3,200 To 3,500 LB Capacity, 78" Wide, Tracked Skid-Steer Loader With Full-Time Operator .....	6,527.39	
For Equipment Without Operator, Deduct	-4,385.34	
01 22 23 00-0268 MO 3,200 To 3,500 LB Capacity, 78" Wide, Tracked Skid-Steer Loader With Full-Time Operator .....	24,493.00	
For Equipment Without Operator, Deduct	-19,003.16	
For >6 Months (>26 Weeks) , Deduct	-219.59	
01 22 23 00-0269 DAY Hydraulic Hammer Attachment For Skid-Steer Loaders .....	269.44	

<b>01</b>	<b>General Requirements</b>
<b>01 20</b>	<b>Price and Payment Procedures</b>
<b>01 22</b>	<b>Unit Prices</b>



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

01 22 23 00-0270	WK	Hydraulic Hammer Attachment For Skid-Steer Loaders	895.89	
01 22 23 00-0271	MO	Hydraulic Hammer Attachment For Skid-Steer Loaders	2,384.54	
		<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	-95.38	
01 22 23 00-0272	DAY	Forklift Attachment For Skid-Steer Loaders	57.93	
01 22 23 00-0273	WK	Forklift Attachment For Skid-Steer Loaders	154.93	
01 22 23 00-0274	MO	Forklift Attachment For Skid-Steer Loaders	437.84	
		<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	-17.51	
01 22 23 00-0275	DAY	Backhoe Attachment For Skid-Steer Loaders	127.98	
01 22 23 00-0276	WK	Backhoe Attachment For Skid-Steer Loaders	307.16	
01 22 23 00-0277	MO	Backhoe Attachment For Skid-Steer Loaders	763.86	
		<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	-30.55	
01 22 23 00-0278	DAY	Broom Attachment For Skid-Steer Loaders	126.64	
01 22 23 00-0279	WK	Broom Attachment For Skid-Steer Loaders	343.54	
01 22 23 00-0280	MO	Broom Attachment For Skid-Steer Loaders	909.36	
		<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	-36.37	
01 22 23 00-0281	DAY	Auger Attachment (Excludes Bits And Extensions) For Skid-Steer Loaders	110.47	
01 22 23 00-0282	WK	Auger Attachment (Excludes Bits And Extensions) For Skid-Steer Loaders	304.47	
01 22 23 00-0283	MO	Auger Attachment (Excludes Bits And Extensions) For Skid-Steer Loaders	831.22	
		<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	-33.25	
01 22 23 00-0284	DAY	Up To 18" Diameter, 4' Length, Auger Bit For Skid-Steer Mounted Augers (Excludes Auger)	30.45	
01 22 23 00-0285	WK	Up To 18" Diameter, 4' Length, Auger Bit For Skid-Steer Mounted Augers (Excludes Auger)	79.66	
01 22 23 00-0286	MO	Up To 18" Diameter, 4' Length, Auger Bit For Skid-Steer Mounted Augers (Excludes Auger)	234.29	
		<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	-9.37	
01 22 23 00-0287	DAY	>18" To 48" Diameter, 4' Length, Auger Bit For Skid-Steer Mounted Augers (Excludes Auger)	41.00	
01 22 23 00-0288	WK	>18" To 48" Diameter, 4' Length, Auger Bit For Skid-Steer Mounted Augers (Excludes Auger)	101.92	
01 22 23 00-0289	MO	>18" To 48" Diameter, 4' Length, Auger Bit For Skid-Steer Mounted Augers (Excludes Auger)	304.59	
		<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	-12.18	
01 22 23 00-0290	DAY	Up To 24" Diameter, 4' Length, Rock Tip Auger Bit For Skid-Steer Mounted Augers (Excludes Auger)	59.73	
01 22 23 00-0291	WK	Up To 24" Diameter, 4' Length, Rock Tip Auger Bit For Skid-Steer Mounted Augers (Excludes Auger)	181.59	
01 22 23 00-0292	MO	Up To 24" Diameter, 4' Length, Rock Tip Auger Bit For Skid-Steer Mounted Augers (Excludes Auger)	538.88	
		<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	-21.56	
01 22 23 00-0293	DAY	2' Length, Auger Bit Extension For Skid-Steer Mounted Augers (Excludes Auger)	12.12	
01 22 23 00-0294	WK	2' Length, Auger Bit Extension For Skid-Steer Mounted Augers (Excludes Auger)	28.29	
01 22 23 00-0295	MO	2' Length, Auger Bit Extension For Skid-Steer Mounted Augers (Excludes Auger)	75.44	
		<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	-3.02	

**01 22 23 00-0296** **Bulldozers** (01 22 23 00-0296)

Note: Includes full-time operator. Excludes delivery, set-up, and removal.

01 22 23 00-0297	DAY	70 HP, D3 Bulldozer With Full-Time Operator	1,400.70	
		<i>For Equipment Without Operator, Deduct</i>	-919.86	
01 22 23 00-0298	WK	70 HP, D3 Bulldozer With Full-Time Operator	6,495.43	
		<i>For Equipment Without Operator, Deduct</i>	-4,599.28	
01 22 23 00-0299	MO	70 HP, D3 Bulldozer With Full-Time Operator	25,555.18	
		<i>For Equipment Without Operator, Deduct</i>	-19,930.23	
		<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	-225.00	
01 22 23 00-0300	DAY	90 To 105 HP, D4 Or D5 Bulldozer With Full-Time Operator	1,627.52	
		<i>For Equipment Without Operator, Deduct</i>	-919.86	
01 22 23 00-0301	WK	90 To 105 HP, D4 Or D5 Bulldozer With Full-Time Operator	7,411.76	
		<i>For Equipment Without Operator, Deduct</i>	-4,599.28	
01 22 23 00-0302	MO	90 To 105 HP, D4 Or D5 Bulldozer With Full-Time Operator	28,367.65	
		<i>For Equipment Without Operator, Deduct</i>	-19,930.23	
		<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	-337.50	
01 22 23 00-0303	DAY	140 HP, D6 Bulldozer With Full-Time Operator	2,271.66	
		<i>For Equipment Without Operator, Deduct</i>	-919.86	
01 22 23 00-0304	WK	140 HP, D6 Bulldozer With Full-Time Operator	9,988.34	
		<i>For Equipment Without Operator, Deduct</i>	-4,599.28	
01 22 23 00-0305	MO	140 HP, D6 Bulldozer With Full-Time Operator	36,079.28	
		<i>For Equipment Without Operator, Deduct</i>	-19,930.23	
		<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	-645.96	
01 22 23 00-0306	DAY	200 HP, D7 Bulldozer With Full-Time Operator	2,843.23	
		<i>For Equipment Without Operator, Deduct</i>	-919.86	
01 22 23 00-0307	WK	200 HP, D7 Bulldozer With Full-Time Operator	12,283.69	
		<i>For Equipment Without Operator, Deduct</i>	-4,599.28	
01 22 23 00-0308	MO	200 HP, D7 Bulldozer With Full-Time Operator	42,974.38	
		<i>For Equipment Without Operator, Deduct</i>	-19,930.23	
		<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	-921.77	
01 22 23 00-0309	DAY	335 HP, D8 Bulldozer With Full-Time Operator	3,523.67	
		<i>For Equipment Without Operator, Deduct</i>	-919.86	
01 22 23 00-0310	WK	335 HP, D8 Bulldozer With Full-Time Operator	15,005.44	
		<i>For Equipment Without Operator, Deduct</i>	-4,599.28	
01 22 23 00-0311	MO	335 HP, D8 Bulldozer With Full-Time Operator	51,139.63	
		<i>For Equipment Without Operator, Deduct</i>	-19,930.23	
		<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	-1,248.38	
01 22 23 00-0312	DAY	460 HP, D9 Bulldozer With Full-Time Operator	3,904.71	
		<i>For Equipment Without Operator, Deduct</i>	-919.86	
01 22 23 00-0313	WK	460 HP, D9 Bulldozer With Full-Time Operator	16,520.54	
		<i>For Equipment Without Operator, Deduct</i>	-4,599.28	
01 22 23 00-0314	MO	460 HP, D9 Bulldozer With Full-Time Operator	55,675.88	
		<i>For Equipment Without Operator, Deduct</i>	-19,930.23	
		<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	-1,429.83	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>01 22 23 00-0315</b>	<b>Motor Scraper</b> <small>(01 22 23 00-0252)</small>	
	Note: Includes full-time operator. Excludes delivery, set-up, and removal.	
01 22 23 00-0316	DAY 11 CY Motor Scraper-Hauler With Full-Time Operator .....	2,236.49
	<i>For Equipment Without Operator, Deduct</i>	-919.86
01 22 23 00-0317	WK 11 CY Motor Scraper-Hauler With Full-Time Operator .....	9,865.79
	<i>For Equipment Without Operator, Deduct</i>	-4,599.28
01 22 23 00-0318	MO 11 CY Motor Scraper-Hauler With Full-Time Operator .....	35,711.73
	<i>For Equipment Without Operator, Deduct</i>	-19,930.23
	<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	-631.26
01 22 23 00-0319	DAY 18 CY Motor Scraper-Hauler With Full-Time Operator .....	2,768.55
	<i>For Equipment Without Operator, Deduct</i>	-919.86
01 22 23 00-0320	WK 18 CY Motor Scraper-Hauler With Full-Time Operator .....	11,994.04
	<i>For Equipment Without Operator, Deduct</i>	-4,599.28
01 22 23 00-0321	MO 18 CY Motor Scraper-Hauler With Full-Time Operator .....	42,114.51
	<i>For Equipment Without Operator, Deduct</i>	-19,930.23
	<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	-887.37
01 22 23 00-0322	DAY 24 CY Motor Scraper-Hauler With Full-Time Operator .....	3,282.58
	<i>For Equipment Without Operator, Deduct</i>	-919.86
01 22 23 00-0323	WK 24 CY Motor Scraper-Hauler With Full-Time Operator .....	14,041.13
	<i>For Equipment Without Operator, Deduct</i>	-4,599.28
01 22 23 00-0324	MO 24 CY Motor Scraper-Hauler With Full-Time Operator .....	48,246.75
	<i>For Equipment Without Operator, Deduct</i>	-19,930.23
	<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	-1,132.66

<b>01 22 23 00-0325</b>	<b>Hydraulic Excavators</b> <small>(01 22 23 00-0252)</small>	
	Note: Includes full-time operator. Excludes delivery, set-up, and removal.	
01 22 23 00-0326	DAY 3/8 CY Hydraulic Excavator With Full-Time Operator .....	1,306.80
	<i>For Equipment Without Operator, Deduct</i>	-919.86
01 22 23 00-0327	WK 3/8 CY Hydraulic Excavator With Full-Time Operator .....	5,967.89
	<i>For Equipment Without Operator, Deduct</i>	-4,599.28
01 22 23 00-0328	MO 3/8 CY Hydraulic Excavator With Full-Time Operator .....	24,516.15
	<i>For Equipment Without Operator, Deduct</i>	-19,930.23
	<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	-183.44
01 22 23 00-0329	DAY 1/2 CY Hydraulic Excavator With Full-Time Operator .....	1,415.71
	<i>For Equipment Without Operator, Deduct</i>	-919.86
01 22 23 00-0330	WK 1/2 CY Hydraulic Excavator With Full-Time Operator .....	6,447.98
	<i>For Equipment Without Operator, Deduct</i>	-4,599.28
01 22 23 00-0331	MO 1/2 CY Hydraulic Excavator With Full-Time Operator .....	26,436.50
	<i>For Equipment Without Operator, Deduct</i>	-19,930.23
	<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	-260.25
01 22 23 00-0332	DAY 5/8 CY Hydraulic Excavator With Full-Time Operator .....	1,450.11
	<i>For Equipment Without Operator, Deduct</i>	-919.86
01 22 23 00-0333	WK 5/8 CY Hydraulic Excavator With Full-Time Operator .....	6,627.12
	<i>For Equipment Without Operator, Deduct</i>	-4,599.28
01 22 23 00-0334	MO 5/8 CY Hydraulic Excavator With Full-Time Operator .....	26,751.79
	<i>For Equipment Without Operator, Deduct</i>	-19,930.23
	<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	-272.86
01 22 23 00-0335	DAY 3/4 CY Hydraulic Excavator With Full-Time Operator .....	1,485.93
	<i>For Equipment Without Operator, Deduct</i>	-919.86
01 22 23 00-0336	WK 3/4 CY Hydraulic Excavator With Full-Time Operator .....	6,791.92
	<i>For Equipment Without Operator, Deduct</i>	-4,599.28
01 22 23 00-0337	MO 3/4 CY Hydraulic Excavator With Full-Time Operator .....	27,067.07
	<i>For Equipment Without Operator, Deduct</i>	-19,930.23
	<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	-285.47
01 22 23 00-0338	DAY 7/8 To 1 CY Hydraulic Excavator With Full-Time Operator .....	1,514.60
	<i>For Equipment Without Operator, Deduct</i>	-919.86
01 22 23 00-0339	WK 7/8 To 1 CY Hydraulic Excavator With Full-Time Operator .....	6,963.90
	<i>For Equipment Without Operator, Deduct</i>	-4,599.28
01 22 23 00-0340	MO 7/8 To 1 CY Hydraulic Excavator With Full-Time Operator .....	27,382.35
	<i>For Equipment Without Operator, Deduct</i>	-19,930.23
	<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	-298.08
01 22 23 00-0341	DAY 1-1/8 To 1-1/4 CY Hydraulic Excavator With Full-Time Operator .....	1,901.53
	<i>For Equipment Without Operator, Deduct</i>	-919.86
01 22 23 00-0342	WK 1-1/8 To 1-1/4 CY Hydraulic Excavator With Full-Time Operator .....	8,504.48
	<i>For Equipment Without Operator, Deduct</i>	-4,599.28
01 22 23 00-0343	MO 1-1/8 To 1-1/4 CY Hydraulic Excavator With Full-Time Operator .....	31,645.82
	<i>For Equipment Without Operator, Deduct</i>	-19,930.23
	<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	-468.62
01 22 23 00-0344	DAY 1-3/8 To 1-1/2 CY Hydraulic Excavator With Full-Time Operator .....	1,958.86
	<i>For Equipment Without Operator, Deduct</i>	-919.86
01 22 23 00-0345	WK 1-3/8 To 1-1/2 CY Hydraulic Excavator With Full-Time Operator .....	8,755.27
	<i>For Equipment Without Operator, Deduct</i>	-4,599.28
01 22 23 00-0346	MO 1-3/8 To 1-1/2 CY Hydraulic Excavator With Full-Time Operator .....	32,398.20
	<i>For Equipment Without Operator, Deduct</i>	-19,930.23
	<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	-498.72
01 22 23 00-0347	DAY 1-5/8 To 1-7/8 CY Hydraulic Excavator With Full-Time Operator .....	2,066.34
	<i>For Equipment Without Operator, Deduct</i>	-919.86
01 22 23 00-0348	WK 1-5/8 To 1-7/8 CY Hydraulic Excavator With Full-Time Operator .....	9,185.20
	<i>For Equipment Without Operator, Deduct</i>	-4,599.28
01 22 23 00-0349	MO 1-5/8 To 1-7/8 CY Hydraulic Excavator With Full-Time Operator .....	33,687.99
	<i>For Equipment Without Operator, Deduct</i>	-19,930.23
	<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	-550.31

<b>01</b>	<b>General Requirements</b>
<b>01 20</b>	<b>Price and Payment Procedures</b>
<b>01 22</b>	<b>Unit Prices</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 22 23 00-0350	DAY 2 To 2-3/8 CY Hydraulic Excavator With Full-Time Operator.....	2,188.15	
	<i>For Equipment Without Operator, Deduct</i>	-919.86	
01 22 23 00-0351	WK 2 To 2-3/8 CY Hydraulic Excavator With Full-Time Operator.....	9,665.29	
	<i>For Equipment Without Operator, Deduct</i>	-4,599.28	
01 22 23 00-0352	MO 2 To 2-3/8 CY Hydraulic Excavator With Full-Time Operator.....	35,121.09	
	<i>For Equipment Without Operator, Deduct</i>	-19,930.23	
	<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	-607.63	
01 22 23 00-0353	DAY 2-1/2 To 2-7/8 CY Hydraulic Excavator With Full-Time Operator .....	2,223.98	
	<i>For Equipment Without Operator, Deduct</i>	-919.86	
01 22 23 00-0354	WK 2-1/2 To 2-7/8 CY Hydraulic Excavator With Full-Time Operator .....	9,808.60	
	<i>For Equipment Without Operator, Deduct</i>	-4,599.28	
01 22 23 00-0355	MO 2-1/2 To 2-7/8 CY Hydraulic Excavator With Full-Time Operator .....	35,551.02	
	<i>For Equipment Without Operator, Deduct</i>	-19,930.23	
	<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	-624.83	
01 22 23 00-0356	DAY 3 To 3-3/4 CY Hydraulic Excavator With Full-Time Operator.....	2,567.92	
	<i>For Equipment Without Operator, Deduct</i>	-919.86	
01 22 23 00-0357	WK 3 To 3-3/4 CY Hydraulic Excavator With Full-Time Operator.....	11,191.54	
	<i>For Equipment Without Operator, Deduct</i>	-4,599.28	
01 22 23 00-0358	MO 3 To 3-3/4 CY Hydraulic Excavator With Full-Time Operator.....	39,707.01	
	<i>For Equipment Without Operator, Deduct</i>	-19,930.23	
	<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	-791.07	
01 22 23 00-0359	DAY 4 To 5-3/4 CY Hydraulic Excavator With Full-Time Operator.....	3,062.34	
	<i>For Equipment Without Operator, Deduct</i>	-919.86	
01 22 23 00-0360	WK 4 To 5-3/4 CY Hydraulic Excavator With Full-Time Operator.....	13,154.89	
	<i>For Equipment Without Operator, Deduct</i>	-4,599.28	
01 22 23 00-0361	MO 4 To 5-3/4 CY Hydraulic Excavator With Full-Time Operator.....	45,582.72	
	<i>For Equipment Without Operator, Deduct</i>	-19,930.23	
	<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	-1,026.10	
01 22 23 00-0362	DAY 6 To 11 CY Hydraulic Excavator With Full-Time Operator.....	3,671.41	
	<i>For Equipment Without Operator, Deduct</i>	-919.86	
01 22 23 00-0363	WK 6 To 11 CY Hydraulic Excavator With Full-Time Operator.....	15,591.16	
	<i>For Equipment Without Operator, Deduct</i>	-4,599.28	
01 22 23 00-0364	MO 6 To 11 CY Hydraulic Excavator With Full-Time Operator.....	52,891.53	
	<i>For Equipment Without Operator, Deduct</i>	-19,930.23	
	<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	-1,318.45	
01 22 23 00-0365	DAY Thumbs Or Grapple Attachment For Hydraulic Excavators .....	100.32	
01 22 23 00-0366	WK Thumbs Or Grapple Attachment For Hydraulic Excavators .....	386.94	
01 22 23 00-0367	MO Thumbs Or Grapple Attachment For Hydraulic Excavators .....	1,146.48	
	<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	-45.86	
01 22 23 00-0368	DAY 1,000 Ft-Lb Hydraulic Hammer Attachment For Hydraulic Excavators .....	444.26	
01 22 23 00-0369	WK 1,000 Ft-Lb Hydraulic Hammer Attachment For Hydraulic Excavators .....	1,175.14	
01 22 23 00-0370	MO 1,000 Ft-Lb Hydraulic Hammer Attachment For Hydraulic Excavators .....	3,288.96	
	<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	-131.56	
01 22 23 00-0371	DAY 1,500 Ft-Lb Hydraulic Hammer Attachment For Hydraulic Excavators .....	687.89	
01 22 23 00-0372	WK 1,500 Ft-Lb Hydraulic Hammer Attachment For Hydraulic Excavators .....	1,755.55	
01 22 23 00-0373	MO 1,500 Ft-Lb Hydraulic Hammer Attachment For Hydraulic Excavators .....	4,564.42	
	<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	-182.58	
01 22 23 00-0374	DAY 3,000 Ft-Lb Hydraulic Hammer Attachment For Hydraulic Excavators .....	960.18	
01 22 23 00-0375	WK 3,000 Ft-Lb Hydraulic Hammer Attachment For Hydraulic Excavators .....	2,586.75	
01 22 23 00-0376	MO 3,000 Ft-Lb Hydraulic Hammer Attachment For Hydraulic Excavators .....	7,251.49	
	<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	-290.06	
01 22 23 00-0377	DAY 24" Compaction Wheel Attachment For Hydraulic Excavators .....	200.63	
01 22 23 00-0378	WK 24" Compaction Wheel Attachment For Hydraulic Excavators .....	802.54	
01 22 23 00-0379	MO 24" Compaction Wheel Attachment For Hydraulic Excavators .....	2,407.61	
	<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	-96.30	
01 22 23 00-0380	DAY 36" Compaction Wheel Attachment For Hydraulic Excavators .....	286.62	
01 22 23 00-0381	WK 36" Compaction Wheel Attachment For Hydraulic Excavators .....	1,146.48	
01 22 23 00-0382	MO 36" Compaction Wheel Attachment For Hydraulic Excavators .....	3,439.44	
	<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	-137.58	
01 22 23 00-0383	DAY 48" Compaction Wheel Attachment For Hydraulic Excavators .....	315.28	
01 22 23 00-0384	WK 48" Compaction Wheel Attachment For Hydraulic Excavators .....	1,246.80	
01 22 23 00-0385	MO 48" Compaction Wheel Attachment For Hydraulic Excavators .....	3,726.06	
	<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	-149.04	

**01 22 23 00-0386 Mini-Excavators** (01 22 23 00-0252)

Note: Includes full-time operator. Excludes delivery, set-up, and removal.

01 22 23 00-0387	DAY 2,000 LB Mini-Excavator With Full-Time Operator.....	1,220.81	
	<i>For Equipment Without Operator, Deduct</i>	-919.86	
01 22 23 00-0388	WK 2,000 LB Mini-Excavator With Full-Time Operator.....	5,451.97	
	<i>For Equipment Without Operator, Deduct</i>	-4,599.28	
01 22 23 00-0389	MO 2,000 LB Mini-Excavator With Full-Time Operator.....	21,807.59	
	<i>For Equipment Without Operator, Deduct</i>	-19,930.23	
	<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	-75.09	
01 22 23 00-0390	DAY 3,500 LB Mini-Excavator With Full-Time Operator.....	1,227.98	
	<i>For Equipment Without Operator, Deduct</i>	-919.86	
01 22 23 00-0391	WK 3,500 LB Mini-Excavator With Full-Time Operator.....	5,473.47	
	<i>For Equipment Without Operator, Deduct</i>	-4,599.28	
01 22 23 00-0392	MO 3,500 LB Mini-Excavator With Full-Time Operator.....	22,259.02	
	<i>For Equipment Without Operator, Deduct</i>	-19,930.23	
	<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	-93.15	
01 22 23 00-0393	DAY 6,000 LB Mini-Excavator With Full-Time Operator.....	1,263.80	
	<i>For Equipment Without Operator, Deduct</i>	-919.86	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0394 WK 6,000 LB Mini-Excavator With Full-Time Operator.....	5,573.79	
<i>For Equipment Without Operator, Deduct</i>	-4,599.28	
01 22 23 00-0395 MO 6,000 LB Mini-Excavator With Full-Time Operator.....	22,323.51	
<i>For Equipment Without Operator, Deduct</i>	-19,930.23	
<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	-95.73	
01 22 23 00-0396 DAY 7,500 LB Mini-Excavator With Full-Time Operator.....	1,278.14	
<i>For Equipment Without Operator, Deduct</i>	-919.86	
01 22 23 00-0397 WK 7,500 LB Mini-Excavator With Full-Time Operator.....	5,623.95	
<i>For Equipment Without Operator, Deduct</i>	-4,599.28	
01 22 23 00-0398 MO 7,500 LB Mini-Excavator With Full-Time Operator.....	22,352.17	
<i>For Equipment Without Operator, Deduct</i>	-19,930.23	
<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	-96.88	
01 22 23 00-0399 DAY 9,500 LB Mini-Excavator With Full-Time Operator.....	1,364.12	
<i>For Equipment Without Operator, Deduct</i>	-919.86	
01 22 23 00-0400 WK 9,500 LB Mini-Excavator With Full-Time Operator.....	5,695.60	
<i>For Equipment Without Operator, Deduct</i>	-4,599.28	
01 22 23 00-0401 MO 9,500 LB Mini-Excavator With Full-Time Operator.....	23,183.37	
<i>For Equipment Without Operator, Deduct</i>	-19,930.23	
<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	-130.13	
01 22 23 00-0402 DAY 11,000 LB Mini-Excavator With Full-Time Operator.....	1,371.29	
<i>For Equipment Without Operator, Deduct</i>	-919.86	
01 22 23 00-0403 WK 11,000 LB Mini-Excavator With Full-Time Operator.....	6,053.88	
<i>For Equipment Without Operator, Deduct</i>	-4,599.28	
01 22 23 00-0404 MO 11,000 LB Mini-Excavator With Full-Time Operator.....	23,219.19	
<i>For Equipment Without Operator, Deduct</i>	-19,930.23	
<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	-131.56	
<b>01 22 23 00-0405 Telescopic Hydraulic Excavators (Gradall) <small>(01 22 23 00-0252)</small></b>		
<i>Note: Includes full-time operator. Excludes delivery, set-up, and removal.</i>		
01 22 23 00-0406 DAY Gradall, Telescopic Hydraulic Excavator With Full-Time Operator .....	4,342.10	
<i>For Equipment Without Operator, Deduct</i>	-919.86	
01 22 23 00-0407 WK Gradall, Telescopic Hydraulic Excavator With Full-Time Operator .....	12,642.63	
<i>For Equipment Without Operator, Deduct</i>	-4,599.28	
01 22 23 00-0408 MO Gradall, Telescopic Hydraulic Excavator With Full-Time Operator .....	48,638.10	
<i>For Equipment Without Operator, Deduct</i>	-19,930.23	
<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	-1,148.31	
<b>01 22 23 00-0409 Road Graders <small>(01 22 23 00-0252)</small></b>		
<i>Note: Includes full-time operator. Excludes delivery, set-up, and removal.</i>		
01 22 23 00-0410 DAY 60 HP Road Grader With Full-Time Operator .....	2,272.56	
<i>For Equipment Without Operator, Deduct</i>	-919.86	
01 22 23 00-0411 WK 60 HP Road Grader With Full-Time Operator .....	8,116.30	
<i>For Equipment Without Operator, Deduct</i>	-4,599.28	
01 22 23 00-0412 MO 60 HP Road Grader With Full-Time Operator .....	29,399.13	
<i>For Equipment Without Operator, Deduct</i>	-19,930.23	
<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	-378.76	
01 22 23 00-0413 DAY 80 To 100 HP Road Grader With Full-Time Operator.....	2,939.89	
<i>For Equipment Without Operator, Deduct</i>	-919.86	
01 22 23 00-0414 WK 80 To 100 HP Road Grader With Full-Time Operator.....	9,595.25	
<i>For Equipment Without Operator, Deduct</i>	-4,599.28	
01 22 23 00-0415 MO 80 To 100 HP Road Grader With Full-Time Operator.....	33,908.13	
<i>For Equipment Without Operator, Deduct</i>	-19,930.23	
<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	-559.12	
01 22 23 00-0416 DAY 130 To 140 HP Road Grader With Full-Time Operator.....	3,437.38	
<i>For Equipment Without Operator, Deduct</i>	-919.86	
01 22 23 00-0417 WK 130 To 140 HP Road Grader With Full-Time Operator.....	11,068.79	
<i>For Equipment Without Operator, Deduct</i>	-4,599.28	
01 22 23 00-0418 MO 130 To 140 HP Road Grader With Full-Time Operator.....	39,341.47	
<i>For Equipment Without Operator, Deduct</i>	-19,930.23	
<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	-776.45	
01 22 23 00-0419 DAY 170 To 185 HP Road Grader With Full-Time Operator .....	4,193.39	
<i>For Equipment Without Operator, Deduct</i>	-919.86	
01 22 23 00-0420 WK 170 To 185 HP Road Grader With Full-Time Operator.....	17,693.42	
<i>For Equipment Without Operator, Deduct</i>	-4,599.28	
01 22 23 00-0421 MO 170 To 185 HP Road Grader With Full-Time Operator.....	65,759.68	
<i>For Equipment Without Operator, Deduct</i>	-19,930.20	
<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	-1,833.18	
<b>01 22 23 00-0422 Loader-Backhoes With Standard Bucket <small>(01 22 23 00-0252)</small></b>		
<i>Note: Includes full-time operator. Excludes delivery, set-up, and removal.</i>		
01 22 23 00-0423 DAY 1/2 To 5/8 CY, 65 HP, Loader-Backhoe With Standard Bucket And Full-Time Operator.....	1,247.18	
<i>For Equipment Without Operator, Deduct</i>	-919.86	
01 22 23 00-0424 WK 1/2 To 5/8 CY, 65 HP, Loader-Backhoe With Standard Bucket And Full-Time Operator.....	5,376.66	
<i>For Equipment Without Operator, Deduct</i>	-4,599.28	
01 22 23 00-0425 MO 1/2 To 5/8 CY, 65 HP, Loader-Backhoe With Standard Bucket And Full-Time Operator.....	21,759.71	
<i>For Equipment Without Operator, Deduct</i>	-19,930.23	
<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	-73.18	
01 22 23 00-0426 DAY 1 CY, 24" Bucket, 14'-4" Deep, 75 HP, Loader-Backhoe With Full-Time Operator.....	1,282.25	
<i>For Equipment Without Operator, Deduct</i>	-919.86	
01 22 23 00-0427 WK 1 CY, 24" Bucket, 14'-4" Deep, 75 HP, Loader-Backhoe With Full-Time Operator.....	5,499.41	
<i>For Equipment Without Operator, Deduct</i>	-4,599.28	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0428 MO 1 CY, 24" Bucket, 14'-4" Deep, 75 HP, Loader-Backhoe With Full-Time Operator.....	22,507.87	
<i>For Equipment Without Operator, Deduct</i>	-19,930.23	
<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	-103.11	
01 22 23 00-0429 DAY 1-1/2 CY, 24" Bucket, 16'-6" Deep, 90 HP, Loader-Backhoe With Full-Time Operator.....	1,336.32	
<i>For Equipment Without Operator, Deduct</i>	-919.86	
01 22 23 00-0430 WK 1-1/2 CY, 24" Bucket, 16'-6" Deep, 90 HP, Loader-Backhoe With Full-Time Operator.....	5,633.84	
<i>For Equipment Without Operator, Deduct</i>	-4,599.28	
01 22 23 00-0431 MO 1-1/2 CY, 24" Bucket, 16'-6" Deep, 90 HP, Loader-Backhoe With Full-Time Operator.....	22,893.65	
<i>For Equipment Without Operator, Deduct</i>	-19,930.23	
<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	-118.54	
01 22 23 00-0432 DAY 1-3/4 CY, 30" Bucket, 18'-0" Deep, 112 HP, Loader-Backhoe With Full-Time Operator.....	1,577.42	
<i>For Equipment Without Operator, Deduct</i>	-919.86	
01 22 23 00-0433 WK 1-3/4 CY, 30" Bucket, 18'-0" Deep, 112 HP, Loader-Backhoe With Full-Time Operator.....	6,352.78	
<i>For Equipment Without Operator, Deduct</i>	-4,599.28	
01 22 23 00-0434 MO 1-3/4 CY, 30" Bucket, 18'-0" Deep, 112 HP, Loader-Backhoe With Full-Time Operator.....	24,951.09	
<i>For Equipment Without Operator, Deduct</i>	-19,930.23	
<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	-200.83	
<b>01 22 23 00-0435 Heavy Duty Construction Loaders</b> <small>(01 22 23 00-0252)</small>		
<i>Note: Includes full-time operator. Excludes delivery, set-up, and removal.</i>		
01 22 23 00-0436 DAY 2-1/2 CY, 119 HP, Heavy Duty Construction Loader With Full-Time Operator.....	1,418.15	
<i>For Equipment Without Operator, Deduct</i>	-919.86	
01 22 23 00-0437 WK 2-1/2 CY, 119 HP, Heavy Duty Construction Loader With Full-Time Operator.....	6,569.44	
<i>For Equipment Without Operator, Deduct</i>	-4,599.28	
01 22 23 00-0438 MO 2-1/2 CY, 119 HP, Heavy Duty Construction Loader With Full-Time Operator.....	25,833.05	
<i>For Equipment Without Operator, Deduct</i>	-19,930.23	
<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	-236.11	
01 22 23 00-0439 DAY 3 CY, 135 HP, Heavy Duty Construction Loader With Full-Time Operator.....	1,832.11	
<i>For Equipment Without Operator, Deduct</i>	-919.86	
01 22 23 00-0440 WK 3 CY, 135 HP, Heavy Duty Construction Loader With Full-Time Operator.....	7,021.74	
<i>For Equipment Without Operator, Deduct</i>	-4,599.28	
01 22 23 00-0441 MO 3 CY, 135 HP, Heavy Duty Construction Loader With Full-Time Operator.....	26,063.03	
<i>For Equipment Without Operator, Deduct</i>	-19,930.23	
<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	-245.31	
01 22 23 00-0442 DAY 3-1/2 CY, 198 HP, Heavy Duty Construction Loader With Full-Time Operator.....	1,924.11	
<i>For Equipment Without Operator, Deduct</i>	-919.86	
01 22 23 00-0443 WK 3-1/2 CY, 198 HP, Heavy Duty Construction Loader With Full-Time Operator.....	7,267.05	
<i>For Equipment Without Operator, Deduct</i>	-4,599.28	
01 22 23 00-0444 MO 3-1/2 CY, 198 HP, Heavy Duty Construction Loader With Full-Time Operator.....	26,676.31	
<i>For Equipment Without Operator, Deduct</i>	-19,930.23	
<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	-269.84	
01 22 23 00-0445 DAY 4-1/2 CY, 215 HP, Heavy Duty Construction Loader With Full-Time Operator.....	2,177.08	
<i>For Equipment Without Operator, Deduct</i>	-919.86	
01 22 23 00-0446 WK 4-1/2 CY, 215 HP, Heavy Duty Construction Loader With Full-Time Operator.....	7,933.99	
<i>For Equipment Without Operator, Deduct</i>	-4,599.28	
01 22 23 00-0447 MO 4-1/2 CY, 215 HP, Heavy Duty Construction Loader With Full-Time Operator.....	28,362.83	
<i>For Equipment Without Operator, Deduct</i>	-19,930.23	
<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	-337.30	
01 22 23 00-0448 DAY 7-1/3 CY, 330 HP, Heavy Duty Construction Loader With Full-Time Operator.....	2,828.69	
<i>For Equipment Without Operator, Deduct</i>	-919.86	
01 22 23 00-0449 WK 7-1/3 CY, 330 HP, Heavy Duty Construction Loader With Full-Time Operator.....	12,219.28	
<i>For Equipment Without Operator, Deduct</i>	-4,599.28	
01 22 23 00-0450 MO 7-1/3 CY, 330 HP, Heavy Duty Construction Loader With Full-Time Operator.....	42,774.91	
<i>For Equipment Without Operator, Deduct</i>	-19,930.23	
<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	-913.79	
01 22 23 00-0451 DAY 13-1/2 CY, 690 HP, Heavy Duty Construction Loader With Full-Time Operator.....	7,121.58	
<i>For Equipment Without Operator, Deduct</i>	-919.86	
01 22 23 00-0452 WK 13-1/2 CY, 690 HP, Heavy Duty Construction Loader With Full-Time Operator.....	24,737.65	
<i>For Equipment Without Operator, Deduct</i>	-4,599.28	
01 22 23 00-0453 MO 13-1/2 CY, 690 HP, Heavy Duty Construction Loader With Full-Time Operator.....	74,812.73	
<i>For Equipment Without Operator, Deduct</i>	-19,930.23	
<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	-2,195.30	
<b>01 22 23 00-0454 Tractors</b> <small>(01 22 23 00-0252)</small>		
<i>Note: Excludes operator, delivery, set-up, and removal.</i>		
01 22 23 00-0455 DAY 20 To 29 HP Tractor.....	587.41	
01 22 23 00-0456 WK 20 To 29 HP Tractor.....	1,414.14	
01 22 23 00-0457 MO 20 To 29 HP Tractor.....	3,818.18	
<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	-152.73	
01 22 23 00-0458 DAY 30 To 35 HP Tractor.....	608.65	
01 22 23 00-0459 WK 30 To 35 HP Tractor.....	1,566.95	
01 22 23 00-0460 MO 30 To 35 HP Tractor.....	4,338.25	
<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	-173.53	
01 22 23 00-0461 DAY 40 To 45 HP Tractor.....	621.60	
01 22 23 00-0462 WK 40 To 45 HP Tractor.....	1,670.55	
01 22 23 00-0463 MO 40 To 45 HP Tractor.....	4,584.30	
<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	-183.37	
01 22 23 00-0464 DAY 80 To 89 HP Tractor.....	800.31	
01 22 23 00-0465 WK 80 To 89 HP Tractor.....	2,269.62	
01 22 23 00-0466 MO 80 To 89 HP Tractor.....	6,498.57	
<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	-259.94	
01 22 23 00-0467 DAY 60" Rotary Mower Attachment For Tractors.....	251.23	



		<b>General Requirements</b>	<b>01</b>
		<b>Price and Payment Procedures</b>	<b>01 20</b>
		<b>Unit Prices</b>	<b>01 22</b>

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23	00-0468	WK	60" Rotary Mower Attachment For Tractors.....	777.00	
01 22 23	00-0469	DAY	84" Rotary Mower Attachment For Tractors.....	274.54	
01 22 23	00-0470	WK	84" Rotary Mower Attachment For Tractors.....	841.75	
01 22 23	00-0471	DAY	Under Deck Rotary Mower Attachment For Tractors.....	39.90	
01 22 23	00-0472	WK	Under Deck Rotary Mower Attachment For Tractors.....	159.61	
01 22 23	00-0473		<b>Shoring</b> <small>(01 22 23 00-0252)</small>		
Note: Includes delivery to job site and pick-up when complete.					
01 22 23	00-0474		<b>Aluminum Hydraulic Shoring</b> <small>(01 22 23 00-0473)</small>		
Note: Includes delivery to job site and pick-up when complete. Excludes sheeting.					
01 22 23	00-0475	WK	2' Rails, 1 Cylinder, Aluminum Hydraulic Shoring..... Note: Up to 88" spread width.	114.71	
01 22 23	00-0476	MO	2' Rails, 1 Cylinder, Aluminum Hydraulic Shoring..... Note: Up to 88" spread width. <i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	338.35	-13.53
01 22 23	00-0477	WK	Up To 12' Rails, 2 Cylinders, Aluminum Hydraulic Shoring..... Note: Up to 88" spread width.	153.88	
01 22 23	00-0478	MO	Up To 12' Rails, 2 Cylinders, Aluminum Hydraulic Shoring..... Note: Up to 88" spread width. <i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	453.89	-18.16
01 22 23	00-0479	WK	Up To 16' Rails, 3 Cylinders, Aluminum Hydraulic Shoring..... Note: Up to 88" spread width.	285.34	
01 22 23	00-0480	MO	Up To 16' Rails, 3 Cylinders, Aluminum Hydraulic Shoring..... Note: Up to 88" spread width. <i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	841.75	-33.67
01 22 23	00-0481	EA	Set-up And Removal Of 1 Cylinder Aluminum Hydraulic Shores.....	25.89	
01 22 23	00-0482	EA	Set-up And Removal Of 2 Cylinders Aluminum Hydraulic Shores.....	41.43	
01 22 23	00-0483	EA	Set-up And Removal Of 3 Cylinders Aluminum Hydraulic Shores.....	69.04	
01 22 23	00-0484		<b>Trench Boxes/Trench Shields</b> <small>(01 22 23 00-0252)</small>		
Note: Trenching tasks include moving the trench box in excavation as trenching proceeds. Includes delivery to job site and pick-up when complete. For stackable units, combine multiple units for depth required.					
01 22 23	00-0485	WK	4' x 6' Trench Box With Up To 48" Spreaders.....	256.08	
01 22 23	00-0486	MO	4' x 6' Trench Box With Up To 48" Spreaders..... <i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	768.23	-30.73
01 22 23	00-0487	WK	6' x 6' Trench Box With Up To 48" Spreaders.....	289.12	
01 22 23	00-0488	MO	6' x 6' Trench Box With Up To 48" Spreaders..... <i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	867.35	-34.69
01 22 23	00-0489	WK	8' x 6' Trench Box With Up To 48" Spreaders.....	305.64	
01 22 23	00-0490	MO	8' x 6' Trench Box With Up To 48" Spreaders..... <i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	916.92	-36.68
01 22 23	00-0491	WK	4' x 8' Trench Box With Up To 48" Spreaders.....	280.86	
01 22 23	00-0492	MO	4' x 8' Trench Box With Up To 48" Spreaders..... <i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	842.57	-33.70
01 22 23	00-0493	WK	6' x 8' Trench Box With Up To 48" Spreaders.....	330.42	
01 22 23	00-0494	MO	6' x 8' Trench Box With Up To 48" Spreaders..... <i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	991.26	-39.65
01 22 23	00-0495	WK	8' x 8' Trench Box With Up To 48" Spreaders.....	371.72	
01 22 23	00-0496	MO	8' x 8' Trench Box With Up To 48" Spreaders..... <i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	1,115.17	-44.61
01 22 23	00-0497	WK	4' x 10' Trench Box With Up To 48" Spreaders.....	313.90	
01 22 23	00-0498	MO	4' x 10' Trench Box With Up To 48" Spreaders..... <i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	941.70	-37.67
01 22 23	00-0499	WK	6' x 10' Trench Box With Up To 48" Spreaders.....	371.72	
01 22 23	00-0500	MO	6' x 10' Trench Box With Up To 48" Spreaders..... <i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	1,115.17	-44.61
01 22 23	00-0501	WK	8' x 10' Trench Box With Up To 48" Spreaders.....	454.33	
01 22 23	00-0502	MO	8' x 10' Trench Box With Up To 48" Spreaders..... <i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	1,354.72	-54.19
01 22 23	00-0503	WK	4' x 12' Trench Box With Up To 48" Spreaders.....	371.72	
01 22 23	00-0504	MO	4' x 12' Trench Box With Up To 48" Spreaders..... <i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	1,115.17	-44.61
01 22 23	00-0505	WK	6' x 12' Trench Box With Up To 48" Spreaders.....	454.33	
01 22 23	00-0506	MO	6' x 12' Trench Box With Up To 48" Spreaders..... <i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	1,362.98	-54.52
01 22 23	00-0507	WK	8' x 12' Trench Box With Up To 48" Spreaders.....	578.24	
01 22 23	00-0508	MO	8' x 12' Trench Box With Up To 48" Spreaders..... <i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	1,734.70	-69.39
01 22 23	00-0509	WK	4' x 14' Trench Box With Up To 48" Spreaders.....	413.02	
01 22 23	00-0510	MO	4' x 14' Trench Box With Up To 48" Spreaders..... <i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	1,239.08	-49.56
01 22 23	00-0511	WK	6' x 14' Trench Box With Up To 48" Spreaders.....	536.93	
01 22 23	00-0512	MO	6' x 14' Trench Box With Up To 48" Spreaders..... <i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	1,610.80	-64.43
01 22 23	00-0513	WK	8' x 14' Trench Box With Up To 48" Spreaders.....	660.84	
01 22 23	00-0514	MO	8' x 14' Trench Box With Up To 48" Spreaders..... <i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	1,982.52	-79.30
01 22 23	00-0515	WK	4' x 16' Trench Box With Up To 48" Spreaders.....	454.33	
01 22 23	00-0516	MO	4' x 16' Trench Box With Up To 48" Spreaders..... <i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	1,362.98	-54.52
01 22 23	00-0517	WK	6' x 16' Trench Box With Up To 48" Spreaders.....	619.54	

<b>01</b>	<b>General Requirements</b>
<b>01 20</b>	<b>Price and Payment Procedures</b>
<b>01 22</b>	<b>Unit Prices</b>



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

01 22 23 00-0518	MO 6' x 16' Trench Box With Up To 48" Spreaders.....	1,858.61
	<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	-74.34
01 22 23 00-0519	WK 8' x 16' Trench Box With Up To 48" Spreaders.....	743.44
01 22 23 00-0520	MO 8' x 16' Trench Box With Up To 48" Spreaders.....	2,230.34
	<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	-89.21
01 22 23 00-0521	WK 4' x 20' Trench Box With Up To 48" Spreaders.....	536.93
01 22 23 00-0522	MO 4' x 20' Trench Box With Up To 48" Spreaders.....	1,610.80
	<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	-64.43
01 22 23 00-0523	WK 6' x 20' Trench Box With Up To 48" Spreaders.....	743.44
01 22 23 00-0524	MO 6' x 20' Trench Box With Up To 48" Spreaders.....	2,230.34
	<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	-89.21
01 22 23 00-0525	WK 8' x 20' Trench Box With Up To 48" Spreaders.....	867.35
01 22 23 00-0526	MO 8' x 20' Trench Box With Up To 48" Spreaders.....	2,602.06
	<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	-104.08
01 22 23 00-0527	WK 4' x 24' Trench Box With Up To 48" Spreaders.....	743.44
01 22 23 00-0528	MO 4' x 24' Trench Box With Up To 48" Spreaders.....	2,230.34
	<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	-89.21
01 22 23 00-0529	WK 6' x 24' Trench Box With Up To 48" Spreaders.....	908.66
01 22 23 00-0530	MO 6' x 24' Trench Box With Up To 48" Spreaders.....	2,725.96
	<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	-109.04
01 22 23 00-0531	WK 8' x 24' Trench Box With Up To 48" Spreaders.....	991.26
01 22 23 00-0532	MO 8' x 24' Trench Box With Up To 48" Spreaders.....	2,973.78
	<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	-118.95
01 22 23 00-0533	WK For Spreaders >48" To 84", Add.....	24.78
01 22 23 00-0534	MO For Spreaders >48" To 84", Add.....	74.34
	<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	-2.97
01 22 23 00-0535	WK For Spreaders >84" To 120", Add.....	148.69
01 22 23 00-0536	MO For Spreaders >84" To 120", Add.....	446.07
	<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	-17.84
01 22 23 00-0537	WK For Spreaders >120", Add.....	313.90
01 22 23 00-0538	MO For Spreaders >120", Add.....	941.70
	<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	-37.67
01 22 23 00-0539	WK 8' x 4' Manhole Box.....	390.31
01 22 23 00-0540	MO 8' x 4' Manhole Box.....	1,170.93
	<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	-46.84
01 22 23 00-0541	WK 8' x 8' Manhole Box.....	557.58
01 22 23 00-0542	MO 8' x 8' Manhole Box.....	1,672.75
	<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	-66.91

**01 22 23 00-0543 Trenchers** (01 22 23 00-0252)

Note: Includes full-time operator. Excludes delivery, set-up, and removal.

01 22 23 00-0544	DAY 4' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator.....	1,291.47
	<i>For Equipment Without Operator, Deduct</i>	-877.07
01 22 23 00-0545	WK 4' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator.....	5,796.89
	<i>For Equipment Without Operator, Deduct</i>	-4,385.34
01 22 23 00-0546	MO 4' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator.....	22,888.16
	<i>For Equipment Without Operator, Deduct</i>	-19,003.16
	<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	-155.40
01 22 23 00-0547	DAY 5' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator.....	1,990.77
	<i>For Equipment Without Operator, Deduct</i>	-877.07
01 22 23 00-0548	WK 5' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator.....	8,153.79
	<i>For Equipment Without Operator, Deduct</i>	-4,385.34
01 22 23 00-0549	MO 5' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator.....	29,363.16
	<i>For Equipment Without Operator, Deduct</i>	-19,003.16
	<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	-414.40

**01 22 23 00-0550 Portable Sediment Tank** (01 22 23 00-0252)

Note: Includes delivery to job site and pick-up when complete.

01 22 23 00-0551	WK Portable Sediment Tank.....	199.52
01 22 23 00-0552	MO Portable Sediment Tank.....	585.24
	<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	-23.41

**01 22 23 00-0553 Heavy Equipment (Ground Protection) Mats** (01 22 23 00-0252)

Note: Rental price per mat. Excludes placement, moving, mobilization and demobilization. See CSI section 01 22 23 00-0252 for equipment for offloading/reloading from delivery vehicle, placing, and moving mats, 01 71 13 00-0001 for equipment delivery, pickup, mobilization and demobilization.

01 22 23 00-0554	DAY 14' Width x 8' Length, 6" Thick, 3-Ply Laminated Heavy Equipment Mat.....	27.33
01 22 23 00-0555	WK 14' Width x 8' Length, 6" Thick, 3-Ply Laminated Heavy Equipment Mat.....	65.07
01 22 23 00-0556	MO 14' Width x 8' Length, 6" Thick, 3-Ply Laminated Heavy Equipment Mat.....	136.64
	<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	-5.47
01 22 23 00-0557	DAY 16' Width x 8' Length, 6" Thick, 3-Ply Laminated Heavy Equipment Mat.....	28.69
01 22 23 00-0558	WK 16' Width x 8' Length, 6" Thick, 3-Ply Laminated Heavy Equipment Mat.....	68.32
01 22 23 00-0559	MO 16' Width x 8' Length, 6" Thick, 3-Ply Laminated Heavy Equipment Mat.....	143.47
	<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	-5.74
01 22 23 00-0560	Day 16' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat.....	23.23
01 22 23 00-0561	WK 16' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat.....	54.66
01 22 23 00-0562	MO 16' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat.....	116.14
	<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	-4.65
01 22 23 00-0563	Day 18' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat.....	25.96
01 22 23 00-0564	WK 18' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat.....	61.49



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0565 MO 18' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat ..... <i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	129.81 -5.19	
01 22 23 00-0566 Day 20' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat .....	28.69	
01 22 23 00-0567 WK 20' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat .....	68.32	
01 22 23 00-0568 MO 20' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat .....	143.47	
<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	-5.74	
01 22 23 00-0569 Day 24' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat .....	31.43	
01 22 23 00-0570 WK 24' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat .....	74.83	
01 22 23 00-0571 MO 24' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat .....	157.14	
<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	-6.29	
01 22 23 00-0572 Day 12' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat .....	24.60	
01 22 23 00-0573 WK 12' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat .....	68.32	
01 22 23 00-0574 MO 12' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat .....	122.98	
<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	-4.92	
01 22 23 00-0575 Day 16' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat .....	28.69	
01 22 23 00-0576 WK 16' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat .....	68.32	
01 22 23 00-0577 MO 16' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat .....	143.47	
<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	-5.74	
01 22 23 00-0578 Day 20' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat .....	34.16	
01 22 23 00-0579 WK 20' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat .....	75.15	
01 22 23 00-0580 MO 20' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat .....	170.80	
<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	-6.83	
01 22 23 00-0581 Day 24' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat .....	36.89	
01 22 23 00-0582 WK 24' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat .....	87.84	
01 22 23 00-0583 MO 24' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat .....	184.46	
<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	-7.38	
01 22 23 00-0584 Day 28' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat .....	39.63	
01 22 23 00-0585 WK 28' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat .....	94.35	
01 22 23 00-0586 MO 28' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat .....	198.13	
<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	-7.93	
01 22 23 00-0587 Day 30' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat .....	40.99	
01 22 23 00-0588 WK 30' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat .....	97.60	
01 22 23 00-0589 MO 30' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat .....	204.96	
<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	-8.20	
01 22 23 00-0590 Day 14' Width x 8' Length, 2-3/4" Thick, Laminated Heavy Equipment Mat (Emtek™) .....	13.14	
01 22 23 00-0591 WK 14' Width x 8' Length, 2-3/4" Thick, Laminated Heavy Equipment Mat (Emtek™) .....	32.86	
01 22 23 00-0592 MO 14' Width x 8' Length, 2-3/4" Thick, Laminated Heavy Equipment Mat (Emtek™) .....	98.59	
<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	-3.94	
01 22 23 00-0593 Day 14' Width x 8' Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™) .....	15.71	
01 22 23 00-0594 WK 14' Width x 8' Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™) .....	39.28	
01 22 23 00-0595 MO 14' Width x 8' Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™) .....	117.85	
<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	-4.71	
01 22 23 00-0596 Day 16' Width x 8' Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™) .....	17.95	
01 22 23 00-0597 WK 16' Width x 8' Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™) .....	44.86	
01 22 23 00-0598 MO 16' Width x 8' Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™) .....	134.59	
<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	-5.38	
01 22 23 00-0599 Day 14' Width x 8' Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™) .....	19.13	
01 22 23 00-0600 WK 14' Width x 8' Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™) .....	47.82	
01 22 23 00-0601 MO 14' Width x 8' Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™) .....	143.47	
<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	-5.74	
01 22 23 00-0602 Day 16' Width x 8' Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™) .....	21.86	
01 22 23 00-0603 WK 16' Width x 8' Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™) .....	54.66	
01 22 23 00-0604 MO 16' Width x 8' Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™) .....	163.97	
<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	-6.56	
01 22 23 00-0605 Day 16' Width x 8' Length, 5-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™) .....	25.12	
01 22 23 00-0606 WK 16' Width x 8' Length, 5-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™) .....	62.81	
01 22 23 00-0607 MO 16' Width x 8' Length, 5-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™) .....	188.43	
<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	-7.54	
01 22 23 00-0608 Day 24' Width x 4' Length, 6" Thick, Laminated Heavy Equipment Mat (Emtek™) .....	19.33	
01 22 23 00-0609 WK 24' Width x 4' Length, 6" Thick, Laminated Heavy Equipment Mat (Emtek™) .....	48.33	
01 22 23 00-0610 MO 24' Width x 4' Length, 6" Thick, Laminated Heavy Equipment Mat (Emtek™) .....	144.98	
<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	-5.80	
01 22 23 00-0611 Day 30' Width x 4' Length, 6-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™) .....	26.17	
01 22 23 00-0612 WK 30' Width x 4' Length, 6-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™) .....	65.43	
01 22 23 00-0613 MO 30' Width x 4' Length, 6-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™) .....	196.28	
<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	-7.85	
01 22 23 00-0614 Day 24' Width x 4' Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™) .....	22.63	
01 22 23 00-0615 WK 24' Width x 4' Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™) .....	56.57	
01 22 23 00-0616 MO 24' Width x 4' Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™) .....	169.71	
<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	-6.79	
01 22 23 00-0617 Day 40' Width x 4' Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™) .....	37.74	
01 22 23 00-0618 WK 40' Width x 4' Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™) .....	94.35	
01 22 23 00-0619 MO 40' Width x 4' Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™) .....	283.04	
<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	-11.32	
01 22 23 00-0620 Day 40' Width x 4' Length, 8" Thick, Laminated Heavy Equipment Mat (Emtek™) .....	40.23	
01 22 23 00-0621 WK 40' Width x 4' Length, 8" Thick, Laminated Heavy Equipment Mat (Emtek™) .....	100.57	
01 22 23 00-0622 MO 40' Width x 4' Length, 8" Thick, Laminated Heavy Equipment Mat (Emtek™) .....	301.70	
<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	-12.07	

01 22 23 00-0623 Electrical Equipment (01 22 23)

<b>01</b>	<b>01</b>	<b>General Requirements</b>
	<b>01 20</b>	<b>Price and Payment Procedures</b>
	<b>01 22</b>	<b>Unit Prices</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>01 22 23 00-0624 Tripod Mounted Floodlights</b> <small>(01 22 23 00-0623)</small>		
<i>Note: Includes delivery to job site and pick-up when complete.</i>		
01 22 23 00-0625 DAY 500 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod.....	68.18	
01 22 23 00-0626 WK 500 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod.....	161.31	
01 22 23 00-0627 MO 500 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod.....	340.92	
<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	<i>-13.64</i>	
01 22 23 00-0628 DAY 1,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod.....	68.18	
01 22 23 00-0629 WK 1,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod.....	199.56	
01 22 23 00-0630 MO 1,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod.....	590.36	
<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	<i>-23.61</i>	
01 22 23 00-0631 DAY 2,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod.....	76.50	
01 22 23 00-0632 WK 2,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod.....	207.88	
01 22 23 00-0633 MO 2,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod.....	507.22	
<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	<i>-20.29</i>	
<b>01 22 23 00-0634 Trailer Mounted Floodlights</b> <small>(01 22 23 00-0623)</small>		
<i>Note: Includes delivery to job site and pick-up when complete. Excludes operator.</i>		
01 22 23 00-0635 DAY 4 x 1,000 Watt Floodlights, 30' Telescoping Tower, Diesel Power Trailer Mounted Light Tower.....	191.24	
01 22 23 00-0636 WK 4 x 1,000 Watt Floodlights, 30' Telescoping Tower, Diesel Power Trailer Mounted Light Tower.....	424.06	
01 22 23 00-0637 MO 4 x 1,000 Watt Floodlights, 30' Telescoping Tower, Diesel Power Trailer Mounted Light Tower.....	914.65	
<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	<i>-36.59</i>	
<b>01 22 23 00-0638 Generator Sets</b> <small>(01 22 23 00-0623)</small>		
<b>01 22 23 00-0639 Portable, Gas Powered Generator Sets</b> <small>(01 22 23 00-0638)</small>		
<i>Note: With 24 hour day-tank. Includes delivery to job site and pick-up when complete. Excludes cables, operator and fuel costs. See CSI section 01 22 23 00-0756 for reimbursable fuel fees.</i>		
01 22 23 00-0640 DAY 3.6 KW, 8 HP Gas Powered Generator Set.....	54.54	
<i>Note: Fuel consumption: 100% load – 0.54 gallons per hour</i>		
<i>For LP Or NG Gas, Add</i>	<i>6.82</i>	
<i>For &gt;160 To 320 Hours Usage Per Month, Add</i>	<i>27.27</i>	
01 22 23 00-0641 WK 3.6 KW, 8 HP Gas Powered Generator Set.....	196.60	
<i>Note: Fuel consumption: 100% load – 0.54 gallons per hour</i>		
<i>For LP Or NG Gas, Add</i>	<i>24.58</i>	
01 22 23 00-0642 MO 3.6 KW, 8 HP Gas Powered Generator Set.....	545.41	
<i>Note: Fuel consumption: 100% load – 0.54 gallons per hour</i>		
<i>For LP Or NG Gas, Add</i>	<i>68.18</i>	
<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	<i>-21.82</i>	
01 22 23 00-0643 DAY 5 KW, 11 HP Gas Powered Generator Set.....	77.37	
<i>Note: Fuel consumption: 100% load – 0.75 gallons per hour</i>		
<i>For LP Or NG Gas, Add</i>	<i>9.67</i>	
01 22 23 00-0644 WK 5 KW, 11 HP Gas Powered Generator Set.....	247.34	
<i>Note: Fuel consumption: 100% load – 0.75 gallons per hour</i>		
<i>For LP Or NG Gas, Add</i>	<i>30.92</i>	
01 22 23 00-0645 MO 5 KW, 11 HP Gas Powered Generator Set.....	564.44	
<i>Note: Fuel consumption: 100% load – 0.75 gallons per hour</i>		
<i>For LP Or NG Gas, Add</i>	<i>70.56</i>	
<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	<i>-22.58</i>	
01 22 23 00-0646 DAY 6.5 KW, 13 HP Gas Powered Generator Set.....	98.94	
<i>Note: Fuel consumption: 100% load – 0.975 gallons per hour</i>		
<i>For LP Or NG Gas, Add</i>	<i>12.37</i>	
01 22 23 00-0647 WK 6.5 KW, 13 HP Gas Powered Generator Set.....	266.36	
<i>Note: Fuel consumption: 100% load – 0.975 gallons per hour</i>		
<i>For LP Or NG Gas, Add</i>	<i>33.30</i>	
01 22 23 00-0648 MO 6.5 KW, 13 HP Gas Powered Generator Set.....	735.67	
<i>Note: Fuel consumption: 100% load – 0.975 gallons per hour</i>		
<i>For LP Or NG Gas, Add</i>	<i>91.96</i>	
<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	<i>-29.43</i>	
01 22 23 00-0649 DAY 10 KW, 18 HP Gas Powered Generator Set.....	110.35	
<i>Note: Fuel consumption: 100% load – 1.5 gallons per hour</i>		
<i>For LP Or NG Gas, Add</i>	<i>13.79</i>	
01 22 23 00-0650 WK 10 KW, 18 HP Gas Powered Generator Set.....	298.07	
<i>Note: Fuel consumption: 100% load – 1.5 gallons per hour</i>		
<i>For LP Or NG Gas, Add</i>	<i>37.26</i>	
01 22 23 00-0651 MO 10 KW, 18 HP Gas Powered Generator Set.....	856.17	
<i>Note: Fuel consumption: 100% load – 1.5 gallons per hour</i>		
<i>For LP Or NG Gas, Add</i>	<i>107.02</i>	
<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	<i>-34.25</i>	
<b>01 22 23 00-0652 Towable, Diesel Powered Generator Sets</b> <small>(01 22 23 00-0638)</small>		
<i>Note: Includes 24 hour day-tank on sizes up to 180KW, 40 hour day-tank for sizes greater than 180KW To 300 KW and 1000 gallon for sizes greater than 300KW. Multi-voltage transformer unless stated otherwise, trailer mounted including sound attenuation and control panel. Excludes cables, operator and fuel costs. See CSI section 01 22 23 00-0756 for reimbursable fuel fees.</i>		
01 22 23 00-0653 DAY 20 KW, 60 Hertz Towable Diesel Powered Generator Set.....	227.04	
<i>Note: Fuel consumption: 100% load – 1.6 gallons per hour, 75% load - 1.3 gallons per hour, 50% load - 0.9 gallons per hour.</i>		
<i>For &gt;8 To 16 Hours Usage Per Day, Add</i>	<i>113.52</i>	
<i>For &gt;16 To 24 Hours Usage Per Day, Add</i>	<i>227.04</i>	





		<b>General Requirements</b>	<b>01</b>
		Price and Payment Procedures	01 20
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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0654 WK 20 KW, 60 Hertz Towable Diesel Powered Generator Set ..... Note: Fuel consumption: 100% load – 1.6 gallons per hour, 75% load - 1.3 gallons per hour, 50% load - 0.9 gallons per hour. For >40 To 80 Hours Usage Per Week, Add For >80 Hours Usage Per Week, Add	593.61  296.81 593.61	
01 22 23 00-0655 MO 20 KW, 60 Hertz Towable Diesel Powered Generator Set ..... Note: Fuel consumption: 100% load – 1.6 gallons per hour, 75% load - 1.3 gallons per hour, 50% load - 0.9 gallons per hour. For >160 To 320 Hours Usage Per Month, Add For >320 Hours Usage Per Month, Add For >6 Months (>26 Weeks) , Deduct	1,617.21  808.61 1,617.21 -64.69	
01 22 23 00-0656 DAY 30 KW, 60 Hertz Towable Diesel Powered Generator Set ..... Note: Fuel consumption: 100% load – 2.9 gallons per hour, 75% load - 2.4 gallons per hour, 50% load - 1.8 gallons per hour. For >8 To 16 Hours Usage Per Day, Add For >16 To 24 Hours Usage Per Day, Add	366.48  183.24 366.48	
01 22 23 00-0657 WK 30 KW, 60 Hertz Towable Diesel Powered Generator Set ..... Note: Fuel consumption: 100% load – 2.9 gallons per hour, 75% load - 2.4 gallons per hour, 50% load - 1.8 gallons per hour. For >40 To 80 Hours Usage Per Week, Add For >80 Hours Usage Per Week, Add	1,087.62  543.81 1,087.62	
01 22 23 00-0658 MO 30 KW, 60 Hertz Towable Diesel Powered Generator Set ..... Note: Fuel consumption: 100% load – 2.9 gallons per hour, 75% load - 2.4 gallons per hour, 50% load - 1.8 gallons per hour. For >160 To 320 Hours Usage Per Month, Add For >320 Hours Usage Per Month, Add For >6 Months (>26 Weeks) , Deduct	2,246.18  1,123.09 2,246.18 -89.85	
01 22 23 00-0659 DAY 40.0 KW, 60 Hertz Towable Diesel Powered Generator Set ..... Note: Fuel consumption: 100% load - 4.0 gallons per hour, 75% load - 3.2 gallons per hour, 50% load - 2.3 gallons per hour. For >8 To 16 Hours Usage Per Day, Add For >16 To 24 Hours Usage Per Day, Add	401.95  200.98 401.95	
01 22 23 00-0660 WK 40.0 KW, 60 Hertz Towable Diesel Powered Generator Set ..... Note: Fuel consumption: 100% load - 4.0 gallons per hour, 75% load - 3.2 gallons per hour, 50% load - 2.3 gallons per hour. For >40 To 80 Hours Usage Per Week, Add For >80 Hours Usage Per Week, Add	1,123.09  561.55 1,123.09	
01 22 23 00-0661 MO 40.0 KW, 60 Hertz Towable Diesel Powered Generator Set ..... Note: Fuel consumption: 100% load - 4.0 gallons per hour, 75% load - 3.2 gallons per hour, 50% load - 2.3 gallons per hour. For >160 To 320 Hours Usage Per Month, Add For >320 Hours Usage Per Month, Add For >6 Months (>26 Weeks) , Deduct	2,482.62  1,241.31 2,482.62 -99.30	
01 22 23 00-0662 DAY 55.0 KW, 60 Hertz Towable Diesel Powered Generator Set ..... Note: Fuel consumption: 100% load – 4.8 gallons per hour, 75% load - 3.8 gallons per hour, 50% load - 2.9 gallons per hour. For >8 To 16 Hours Usage Per Day, Add For >16 To 24 Hours Usage Per Day, Add	431.50  215.75 431.50	
01 22 23 00-0663 WK 55.0 KW, 60 Hertz Towable Diesel Powered Generator Set ..... Note: Fuel consumption: 100% load – 4.8 gallons per hour, 75% load - 3.8 gallons per hour, 50% load - 2.9 gallons per hour. For >40 To 80 Hours Usage Per Week, Add For >80 Hours Usage Per Week, Add	1,182.20  591.10 1,182.20	
01 22 23 00-0664 MO 55.0 KW, 60 Hertz Towable Diesel Powered Generator Set ..... Note: Fuel consumption: 100% load – 4.8 gallons per hour, 75% load - 3.8 gallons per hour, 50% load - 2.9 gallons per hour. For >160 To 320 Hours Usage Per Month, Add For >320 Hours Usage Per Month, Add For >6 Months (>26 Weeks) , Deduct	2,837.28  1,418.64 2,837.28 -113.49	
01 22 23 00-0665 DAY 70.0 KW, 60 Hertz Towable Diesel Powered Generator Set ..... Note: Fuel consumption: 100% load – 5.7 gallons per hour, 75% load - 4.3 gallons per hour, 50% load - 3.2 gallons per hour. For >8 To 16 Hours Usage Per Day, Add For >16 To 24 Hours Usage Per Day, Add	472.88  236.44 472.88	
01 22 23 00-0666 WK 70.0 KW, 60 Hertz Towable Diesel Powered Generator Set ..... Note: Fuel consumption: 100% load – 5.7 gallons per hour, 75% load - 4.3 gallons per hour, 50% load - 3.2 gallons per hour. For >40 To 80 Hours Usage Per Week, Add For >80 Hours Usage Per Week, Add	1,341.80  670.90 1,341.80	
01 22 23 00-0667 MO 70.0 KW, 60 Hertz Towable Diesel Powered Generator Set ..... Note: Fuel consumption: 100% load – 5.7 gallons per hour, 75% load - 4.3 gallons per hour, 50% load - 3.2 gallons per hour. For >160 To 320 Hours Usage Per Month, Add For >320 Hours Usage Per Month, Add For >6 Months (>26 Weeks) , Deduct	3,191.94  1,595.97 3,191.94 -127.68	
01 22 23 00-0668 DAY 80.0 KW, 60 Hertz Towable Diesel Powered Generator Set ..... Note: Fuel consumption: 100% load – 6.5 gallons per hour, 75% load - 4.9 gallons per hour, 50% load - 3.6 gallons per hour. For >8 To 16 Hours Usage Per Day, Add For >16 To 24 Hours Usage Per Day, Add	531.99  266.00 531.99	
01 22 23 00-0669 WK 80.0 KW, 60 Hertz Towable Diesel Powered Generator Set ..... Note: Fuel consumption: 100% load – 6.5 gallons per hour, 75% load - 4.9 gallons per hour, 50% load - 3.6 gallons per hour. For >40 To 80 Hours Usage Per Week, Add For >80 Hours Usage Per Week, Add	1,418.64  709.32 1,418.64	

<b>01</b>	<b>General Requirements</b>
<b>01 20</b>	<b>Price and Payment Procedures</b>
<b>01 22</b>	<b>Unit Prices</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0670	MO		80.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	3,546.60	
			Note: Fuel consumption: 100% load - 6.5 gallons per hour, 75% load - 4.9 gallons per hour, 50% load - 3.6 gallons per hour.		
			For >160 To 320 Hours Usage Per Month, Add	1,773.30	
			For >320 Hours Usage Per Month, Add	3,546.60	
			For >6 Months (>26 Weeks) , Deduct	-141.86	
01 22 23 00-0671	DAY		100.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	549.72	
			Note: Fuel consumption: 100% load - 7.4 gallons per hour, 75% load - 5.8 gallons per hour, 50% load - 4.1 gallons per hour.		
			For >8 To 16 Hours Usage Per Day, Add	274.86	
			For >16 To 24 Hours Usage Per Day, Add	549.72	
01 22 23 00-0672	WK		100.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	1,477.75	
			Note: Fuel consumption: 100% load - 7.4 gallons per hour, 75% load - 5.8 gallons per hour, 50% load - 4.1 gallons per hour.		
			For >40 To 80 Hours Usage Per Week, Add	738.88	
			For >80 Hours Usage Per Week, Add	1,477.75	
01 22 23 00-0673	MO		100.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	4,019.48	
			Note: Fuel consumption: 100% load - 7.4 gallons per hour, 75% load - 5.8 gallons per hour, 50% load - 4.1 gallons per hour.		
			For >160 To 320 Hours Usage Per Month, Add	2,009.74	
			For >320 Hours Usage Per Month, Add	4,019.48	
			For >6 Months (>26 Weeks) , Deduct	-160.78	
01 22 23 00-0674	DAY		120.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	620.66	
			Note: Fuel consumption: 100% load - 8.7 gallons per hour, 75% load - 6.8 gallons per hour, 50% load - 4.8 gallons per hour.		
			For >8 To 16 Hours Usage Per Day, Add	310.33	
			For >16 To 24 Hours Usage Per Day, Add	620.66	
01 22 23 00-0675	WK		120.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	1,714.19	
			Note: Fuel consumption: 100% load - 8.7 gallons per hour, 75% load - 6.8 gallons per hour, 50% load - 4.8 gallons per hour.		
			For >40 To 80 Hours Usage Per Week, Add	857.10	
			For >80 Hours Usage Per Week, Add	1,714.19	
01 22 23 00-0676	MO		120.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	4,610.58	
			Note: Fuel consumption: 100% load - 8.7 gallons per hour, 75% load - 6.8 gallons per hour, 50% load - 4.8 gallons per hour.		
			For >160 To 320 Hours Usage Per Month, Add	2,305.29	
			For >320 Hours Usage Per Month, Add	4,610.58	
			For >6 Months (>26 Weeks) , Deduct	-184.42	
01 22 23 00-0677	DAY		140.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	650.21	
			Note: Fuel consumption: 100% load - 10.2 gallons per hour, 75% load - 7.9 gallons per hour, 50% load - 5.6 gallons per hour.		
			For >8 To 16 Hours Usage Per Day, Add	325.11	
			For >16 To 24 Hours Usage Per Day, Add	650.21	
01 22 23 00-0678	WK		140.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	1,802.86	
			Note: Fuel consumption: 100% load - 10.2 gallons per hour, 75% load - 7.9 gallons per hour, 50% load - 5.6 gallons per hour.		
			For >40 To 80 Hours Usage Per Week, Add	901.43	
			For >80 Hours Usage Per Week, Add	1,802.86	
01 22 23 00-0679	MO		140.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	5,083.46	
			Note: Fuel consumption: 100% load - 10.2 gallons per hour, 75% load - 7.9 gallons per hour, 50% load - 5.6 gallons per hour.		
			For >160 To 320 Hours Usage Per Month, Add	2,541.73	
			For >320 Hours Usage Per Month, Add	5,083.46	
			For >6 Months (>26 Weeks) , Deduct	-203.34	
01 22 23 00-0680	DAY		150.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	679.76	
			Note: Fuel consumption: 100% load - 10.9 gallons per hour, 75% load - 8.4 gallons per hour, 50% load - 5.9 gallons per hour.		
			For >8 To 16 Hours Usage Per Day, Add	339.88	
			For >16 To 24 Hours Usage Per Day, Add	679.76	
01 22 23 00-0681	WK		150.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	1,950.63	
			Note: Fuel consumption: 100% load - 10.9 gallons per hour, 75% load - 8.4 gallons per hour, 50% load - 5.9 gallons per hour.		
			For >40 To 80 Hours Usage Per Week, Add	975.32	
			For >80 Hours Usage Per Week, Add	1,950.63	
01 22 23 00-0682	MO		150.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	5,319.90	
			Note: Fuel consumption: 100% load - 10.9 gallons per hour, 75% load - 8.4 gallons per hour, 50% load - 5.9 gallons per hour.		
			For >160 To 320 Hours Usage Per Month, Add	2,659.95	
			For >320 Hours Usage Per Month, Add	5,319.90	
			For >6 Months (>26 Weeks) , Deduct	-212.80	
01 22 23 00-0683	DAY		160.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	709.32	
			Note: Fuel consumption: 100% load - 11.6 gallons per hour, 75% load - 8.9 gallons per hour, 50% load - 6.2 gallons per hour.		
			For >8 To 16 Hours Usage Per Day, Add	354.66	
			For >16 To 24 Hours Usage Per Day, Add	709.32	
01 22 23 00-0684	WK		160.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	2,068.85	
			Note: Fuel consumption: 100% load - 11.6 gallons per hour, 75% load - 8.9 gallons per hour, 50% load - 6.2 gallons per hour.		
			For >40 To 80 Hours Usage Per Week, Add	1,034.43	
			For >80 Hours Usage Per Week, Add	2,068.85	
01 22 23 00-0685	MO		160.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	5,556.34	
			Note: Fuel consumption: 100% load - 11.6 gallons per hour, 75% load - 8.9 gallons per hour, 50% load - 6.2 gallons per hour.		
			For >160 To 320 Hours Usage Per Month, Add	2,778.17	
			For >320 Hours Usage Per Month, Add	5,556.34	
			For >6 Months (>26 Weeks) , Deduct	-222.25	



<b>General Requirements</b>	<b>01</b>	<b>10</b>
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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0686	DAY		175.0 KW, 60 Hertz Towable Diesel Powered Generator Set .....709.32 Note: Fuel consumption: 100% load - 12.7 gallons per hour, 75% load - 9.7 gallons per hour, 50% load - 6.8 gallons per hour. <i>For &gt;8 To 16 Hours Usage Per Day, Add</i> 354.66 <i>For &gt;16 To 24 Hours Usage Per Day, Add</i> 709.32		
01 22 23 00-0687	WK		175.0 KW, 60 Hertz Towable Diesel Powered Generator Set .....2,068.85 Note: Fuel consumption: 100% load - 12.7 gallons per hour, 75% load - 9.7 gallons per hour, 50% load - 6.8 gallons per hour. <i>For &gt;40 To 80 Hours Usage Per Week, Add</i> 1,034.43 <i>For &gt;80 Hours Usage Per Week, Add</i> 2,068.85		
01 22 23 00-0688	MO		175.0 KW, 60 Hertz Towable Diesel Powered Generator Set .....5,556.34 Note: Fuel consumption: 100% load - 12.7 gallons per hour, 75% load - 9.7 gallons per hour, 50% load - 6.8 gallons per hour. <i>For &gt;160 To 320 Hours Usage Per Month, Add</i> 2,778.17 <i>For &gt;320 Hours Usage Per Month, Add</i> 5,556.34 <i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i> -222.25		
01 22 23 00-0689	DAY		200.0 KW, 60 Hertz Towable Diesel Powered Generator Set .....975.32 Note: Fuel consumption: 100% load - 14.4 gallons per hour, 75% load - 11.0 gallons per hour, 50% load - 7.7 gallons per hour. <i>For &gt;8 To 16 Hours Usage Per Day, Add</i> 487.66 <i>For &gt;16 To 24 Hours Usage Per Day, Add</i> 975.32		
01 22 23 00-0690	WK		200.0 KW, 60 Hertz Towable Diesel Powered Generator Set .....2,423.51 Note: Fuel consumption: 100% load - 14.4 gallons per hour, 75% load - 11.0 gallons per hour, 50% load - 7.7 gallons per hour. <i>For &gt;40 To 80 Hours Usage Per Week, Add</i> 1,211.76 <i>For &gt;80 Hours Usage Per Week, Add</i> 2,423.51		
01 22 23 00-0691	MO		200.0 KW, 60 Hertz Towable Diesel Powered Generator Set .....7,093.20 Note: Fuel consumption: 100% load - 14.4 gallons per hour, 75% load - 11.0 gallons per hour, 50% load - 7.7 gallons per hour. <i>For &gt;160 To 320 Hours Usage Per Month, Add</i> 3,546.60 <i>For &gt;320 Hours Usage Per Month, Add</i> 7,093.20 <i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i> -283.73		
01 22 23 00-0692	DAY		250.0 KW, 60 Hertz Towable Diesel Powered Generator Set .....1,034.42 Note: Fuel consumption: 100% load - 19.8 gallons per hour, 75% load - 12.3 gallons per hour, 50% load - 8.6 gallons per hour. <i>For &gt;8 To 16 Hours Usage Per Day, Add</i> 517.21 <i>For &gt;16 To 24 Hours Usage Per Day, Add</i> 1,034.42		
01 22 23 00-0693	WK		250.0 KW, 60 Hertz Towable Diesel Powered Generator Set .....2,482.62 Note: Fuel consumption: 100% load - 19.8 gallons per hour, 75% load - 12.3 gallons per hour, 50% load - 8.6 gallons per hour. <i>For &gt;40 To 80 Hours Usage Per Week, Add</i> 1,241.31 <i>For &gt;80 Hours Usage Per Week, Add</i> 2,482.62		
01 22 23 00-0694	MO		250.0 KW, 60 Hertz Towable Diesel Powered Generator Set .....7,329.64 Note: Fuel consumption: 100% load - 19.8 gallons per hour, 75% load - 12.3 gallons per hour, 50% load - 8.6 gallons per hour. <i>For &gt;160 To 320 Hours Usage Per Month, Add</i> 3,664.82 <i>For &gt;320 Hours Usage Per Month, Add</i> 7,329.64 <i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i> -293.19		
01 22 23 00-0695	DAY		275.0 KW, 60 Hertz Towable Diesel Powered Generator Set .....1,093.54 Note: Fuel consumption: 100% load - 18.0 gallons per hour, 75% load - 13.6 gallons per hour, 50% load - 9.5 gallons per hour. <i>For &gt;8 To 16 Hours Usage Per Day, Add</i> 546.77 <i>For &gt;16 To 24 Hours Usage Per Day, Add</i> 1,093.54		
01 22 23 00-0696	WK		275.0 KW, 60 Hertz Towable Diesel Powered Generator Set .....2,541.73 Note: Fuel consumption: 100% load - 18.0 gallons per hour, 75% load - 13.6 gallons per hour, 50% load - 9.5 gallons per hour. <i>For &gt;40 To 80 Hours Usage Per Week, Add</i> 1,270.87 <i>For &gt;80 Hours Usage Per Week, Add</i> 2,541.73		
01 22 23 00-0697	MO		275.0 KW, 60 Hertz Towable Diesel Powered Generator Set .....7,566.08 Note: Fuel consumption: 100% load - 18.0 gallons per hour, 75% load - 13.6 gallons per hour, 50% load - 9.5 gallons per hour. <i>For &gt;160 To 320 Hours Usage Per Month, Add</i> 3,783.04 <i>For &gt;320 Hours Usage Per Month, Add</i> 7,566.08 <i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i> -302.64		
01 22 23 00-0698	DAY		300.0 KW, 60 Hertz Towable Diesel Powered Generator Set .....1,129.00 Note: Fuel consumption: 100% load - 21.5 gallons per hour, 75% load - 16.1 gallons per hour, 50% load - 11.3 gallons per hour. <i>For &gt;8 To 16 Hours Usage Per Day, Add</i> 564.50 <i>For &gt;16 To 24 Hours Usage Per Day, Add</i> 1,129.00		
01 22 23 00-0699	WK		300.0 KW, 60 Hertz Towable Diesel Powered Generator Set .....2,719.06 Note: Fuel consumption: 100% load - 21.5 gallons per hour, 75% load - 16.1 gallons per hour, 50% load - 11.3 gallons per hour. <i>For &gt;40 To 80 Hours Usage Per Week, Add</i> 1,359.53 <i>For &gt;80 Hours Usage Per Week, Add</i> 2,719.06		
01 22 23 00-0700	MO		300.0 KW, 60 Hertz Towable Diesel Powered Generator Set .....8,038.96 Note: Fuel consumption: 100% load - 21.5 gallons per hour, 75% load - 16.1 gallons per hour, 50% load - 11.3 gallons per hour. <i>For &gt;160 To 320 Hours Usage Per Month, Add</i> 4,019.48 <i>For &gt;320 Hours Usage Per Month, Add</i> 8,038.96 <i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i> -321.56		
01 22 23 00-0701	DAY		350.0 KW, 60 Hertz Towable Diesel Powered Generator Set .....1,182.20 Note: Fuel consumption: 100% load - 25.1 gallons per hour, 75% load - 18.7 gallons per hour, 50% load - 13.1 gallons per hour. <i>For &gt;8 To 16 Hours Usage Per Day, Add</i> 591.10 <i>For &gt;16 To 24 Hours Usage Per Day, Add</i> 1,182.20		

01	<b>01</b>	<b>General Requirements</b>
	<b>01 20</b>	<b>Price and Payment Procedures</b>
	<b>01 22</b>	<b>Unit Prices</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0702	WK		350.0 KW, 60 Hertz Towable Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 25.1 gallons per hour, 75% load - 18.7 gallons per hour, 50% load - 13.1 gallons per hour. <i>For &gt;40 To 80 Hours Usage Per Week, Add</i> <i>For &gt;80 Hours Usage Per Week, Add</i>	3,073.72  1,536.86 3,073.72	
01 22 23 00-0703	MO		350.0 KW, 60 Hertz Towable Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 25.1 gallons per hour, 75% load - 18.7 gallons per hour, 50% load - 13.1 gallons per hour. <i>For &gt;160 To 320 Hours Usage Per Month, Add</i> <i>For &gt;320 Hours Usage Per Month, Add</i> <i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	8,866.50  4,433.25 8,866.50 -354.66	
01 22 23 00-0704	DAY		400.0 KW, 60 Hertz Towable Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 28.6 gallons per hour, 75% load - 21.3 gallons per hour, 50% load - 14.9 gallons per hour. <i>For &gt;8 To 16 Hours Usage Per Day, Add</i> <i>For &gt;16 To 24 Hours Usage Per Day, Add</i>	2,188.13  1,094.07 2,188.13	
01 22 23 00-0705	WK		400.0 KW, 60 Hertz Towable Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 28.6 gallons per hour, 75% load - 21.3 gallons per hour, 50% load - 14.9 gallons per hour. <i>For &gt;40 To 80 Hours Usage Per Week, Add</i> <i>For &gt;80 Hours Usage Per Week, Add</i>	5,657.36  2,828.68 5,657.36	
01 22 23 00-0706	MO		400.0 KW, 60 Hertz Towable Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 28.6 gallons per hour, 75% load - 21.3 gallons per hour, 50% load - 14.9 gallons per hour. <i>For &gt;160 To 320 Hours Usage Per Month, Add</i> <i>For &gt;320 Hours Usage Per Month, Add</i> <i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	14,961.60  7,480.80 14,961.60 -598.46	
01 22 23 00-0707	DAY		500.0 KW, 60 Hertz Container Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 35.7 gallons per hour, 75% load - 26.4 gallons per hour, 50% load - 18.5 gallons per hour. <i>For &gt;8 To 16 Hours Usage Per Day, Add</i> <i>For &gt;16 To 24 Hours Usage Per Day, Add</i>	2,805.30  1,402.65 2,805.30	
01 22 23 00-0708	WK		500.0 KW, 60 Hertz Container Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 35.7 gallons per hour, 75% load - 26.4 gallons per hour, 50% load - 18.5 gallons per hour. <i>For &gt;40 To 80 Hours Usage Per Week, Add</i> <i>For &gt;80 Hours Usage Per Week, Add</i>	7,293.78  3,648.89 7,293.78	
01 22 23 00-0709	MO		500.0 KW, 60 Hertz Container Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 35.7 gallons per hour, 75% load - 26.4 gallons per hour, 50% load - 18.5 gallons per hour. <i>For &gt;160 To 320 Hours Usage Per Month, Add</i> <i>For &gt;320 Hours Usage Per Month, Add</i> <i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	16,831.80  8,415.90 16,831.80 -673.27	
01 22 23 00-0710	DAY		640.0 KW, 60 Hertz Container Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 45.6 gallons per hour, 75% load - 33.5 gallons per hour, 50% load - 20.8 gallons per hour. <i>For &gt;8 To 16 Hours Usage Per Day, Add</i> <i>For &gt;16 To 24 Hours Usage Per Day, Add</i>	3,469.22  1,734.61 3,469.22	
01 22 23 00-0711	WK		640.0 KW, 60 Hertz Container Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 45.6 gallons per hour, 75% load - 33.5 gallons per hour, 50% load - 20.8 gallons per hour. <i>For &gt;40 To 80 Hours Usage Per Week, Add</i> <i>For &gt;80 Hours Usage Per Week, Add</i>	9,163.98  4,581.99 9,163.98	
01 22 23 00-0712	MO		640.0 KW, 60 Hertz Container Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 45.6 gallons per hour, 75% load - 33.5 gallons per hour, 50% load - 20.8 gallons per hour. <i>For &gt;160 To 320 Hours Usage Per Month, Add</i> <i>For &gt;320 Hours Usage Per Month, Add</i> <i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	22,442.40  11,221.20 22,442.40 -897.70	
01 22 23 00-0713	DAY		750.0 KW, 60 Hertz Container Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 53.4 gallons per hour, 75% load - 39.3 gallons per hour, 50% load - 24.4 gallons per hour. <i>For &gt;8 To 16 Hours Usage Per Day, Add</i> <i>For &gt;16 To 24 Hours Usage Per Day, Add</i>	3,749.75  1,874.88 3,749.75	
01 22 23 00-0714	WK		750.0 KW, 60 Hertz Container Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 53.4 gallons per hour, 75% load - 39.3 gallons per hour, 50% load - 24.4 gallons per hour. <i>For &gt;40 To 80 Hours Usage Per Week, Add</i> <i>For &gt;80 Hours Usage Per Week, Add</i>	8,640.32  4,320.16 8,640.32	
01 22 23 00-0715	MO		750.0 KW, 60 Hertz Container Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 53.4 gallons per hour, 75% load - 39.3 gallons per hour, 50% load - 24.4 gallons per hour. <i>For &gt;160 To 320 Hours Usage Per Month, Add</i> <i>For &gt;320 Hours Usage Per Month, Add</i> <i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	25,920.97  12,960.49 25,920.97 -1,036.84	
01 22 23 00-0716	DAY		1,000.0 KW, 60 Hertz Container Diesel Powered Generator Set..... Note: Includes 1,000 Gallon fuel tank. Fuel consumption: 100% load - 71.1 gallons per hour, 75% load - 52.1 gallons per hour, 50% load - 36.4 gallons per hour.	4,254.70	
01 22 23 00-0717	WK		1,000.0 KW, 60 Hertz Container Diesel Powered Generator Set..... Note: Includes 1,000 Gallon fuel tank. Fuel consumption: 100% load - 71.1 gallons per hour, 75% load - 52.1 gallons per hour, 50% load - 36.4 gallons per hour.	11,118.34	
01 22 23 00-0718	MO		1,000.0 KW, 60 Hertz Container Diesel Powered Generator Set..... Note: Includes 1,000 Gallon fuel tank. Fuel consumption: 100% load - 71.1 gallons per hour, 75% load - 52.1 gallons per hour, 50% load - 36.4 gallons per hour. <i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	30,456.21  -1,218.25	



<b>General Requirements</b>		<b>01</b>
Price and Payment Procedures		01 20
Unit Prices		01 22

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0719 DAY 1,500.0 KW, 60 Hertz Container Diesel Powered Generator Set.....	5,610.60	
Note: Includes 1,000 Gallon fuel tank. Fuel consumption: 100% load - 106.5 gallons per hour, 75% load - 77.8 gallons per hour, 50% load - 54.3 gallons per hour.		
01 22 23 00-0720 WK 1,500.0 KW, 60 Hertz Container Diesel Powered Generator Set.....	16,831.80	
Note: Includes 1,000 Gallon fuel tank. Fuel consumption: 100% load - 106.5 gallons per hour, 75% load - 77.8 gallons per hour, 50% load - 54.3 gallons per hour.		
01 22 23 00-0721 MO 1,500.0 KW, 60 Hertz Container Diesel Powered Generator Set.....	48,260.51	
Note: Includes 1,000 Gallon fuel tank. Fuel consumption: 100% load - 106.5 gallons per hour, 75% load - 77.8 gallons per hour, 50% load - 54.3 gallons per hour.		
For >6 Months (>26 Weeks) , Deduct	-1,930.42	
01 22 23 00-0722 DAY 2,000.0 KW, 60 Hertz Container Diesel Powered Generator Set.....	7,396.64	
Note: Includes 1,000 Gallon fuel tank. Fuel consumption: 100% load - 141.9 gallons per hour, 75% load - 103.5 gallons per hour, 50% load - 72.2 gallons per hour.		
01 22 23 00-0723 WK 2,000.0 KW, 60 Hertz Container Diesel Powered Generator Set.....	18,496.28	
Note: Includes 1,000 Gallon fuel tank. Fuel consumption: 100% load - 141.9 gallons per hour, 75% load - 103.5 gallons per hour, 50% load - 72.2 gallons per hour.		
01 22 23 00-0724 MO 2,000.0 KW, 60 Hertz Container Diesel Powered Generator Set.....	50,495.40	
Note: Includes 1,000 Gallon fuel tank. Fuel consumption: 100% load - 141.9 gallons per hour, 75% load - 103.5 gallons per hour, 50% load - 72.2 gallons per hour.		
For >6 Months (>26 Weeks) , Deduct	-2,019.82	
01 22 23 00-0725 EA Up To 300 KW Generator Set Delivery, Set-Up, Testing And Pick-up.....	944.10	
01 22 23 00-0726 EA 350 To 750 KW Generator Set Delivery, Set-Up, Testing And Pick-up .....	1,533.53	
01 22 23 00-0727 EA 1,000 To 2,000 KW Generator Set Delivery, Set-Up, Testing And Pick-up .....	2,594.18	
<b>01 22 23 00-0728 Cabling For Generator Sets (01 22 23 00-0638)</b>		
Note: Includes delivery to job site and pick-up when complete.		
01 22 23 00-0729 DAY #1 Banded Cable, 50' With Camlock Ends For Generator Set .....	26.01	
01 22 23 00-0730 WK #1 Banded Cable, 50' With Camlock Ends For Generator Set .....	45.51	
01 22 23 00-0731 MO #1 Banded Cable, 50' With Camlock Ends For Generator Set .....	136.54	
For >6 Months (>26 Weeks) , Deduct	-5.46	
01 22 23 00-0732 DAY 50', 4/0 Cable With Camlock Ends For Generator Set.....	13.00	
01 22 23 00-0733 WK 50', 4/0 Cable With Camlock Ends For Generator Set.....	37.83	
01 22 23 00-0734 MO 50', 4/0 Cable With Camlock Ends For Generator Set.....	105.22	
For >6 Months (>26 Weeks) , Deduct	-4.21	
<b>01 22 23 00-0735 Resistive Loadbanks For Generator Sets (01 22 23 00-0638)</b>		
Note: Includes delivery to job site and pick-up when complete. See CSI section 01 22 23 00-0756 for reimbursable fuel fees.		
01 22 23 00-0736 DAY 100 KW A/C Resistive Loadbank.....	358.17	
01 22 23 00-0737 WK 100 KW A/C Resistive Loadbank.....	681.23	
01 22 23 00-0738 MO 100 KW A/C Resistive Loadbank.....	1,861.08	
For >6 Months (>26 Weeks) , Deduct	-74.44	
01 22 23 00-0739 DAY 650 KW A/C Resistive Loadbank.....	724.40	
01 22 23 00-0740 WK 650 KW A/C Resistive Loadbank.....	1,937.23	
01 22 23 00-0741 MO 650 KW A/C Resistive Loadbank.....	4,939.11	
For >6 Months (>26 Weeks) , Deduct	-197.56	
<b>01 22 23 00-0742 Sub-Distribution Panels (Spider Box) For Generator Sets (01 22 23 00-0638)</b>		
Note: Includes delivery to job site and pick-up when complete.		
01 22 23 00-0743 DAY 50 Amperes, 240 Volt, Single Phase, Sub-Distribution Panel (Spider Box).....	63.84	
01 22 23 00-0744 WK 50 Amperes, 240 Volt, Single Phase, Sub-Distribution Panel (Spider Box).....	165.51	
01 22 23 00-0745 MO 50 Amperes, 240 Volt, Single Phase, Sub-Distribution Panel (Spider Box).....	466.97	
For >6 Months (>26 Weeks) , Deduct	-18.68	
<b>01 22 23 00-0746 Portable Distribution Panels For Generator Sets (01 22 23 00-0638)</b>		
Note: Includes delivery to job site and pick-up when complete.		
01 22 23 00-0747 DAY 200 Amperes, 208 Volt, 3 Phase, Portable Spider Box Feeder Panel.....	141.86	
01 22 23 00-0748 WK 200 Amperes, 208 Volt, 3 Phase, Portable Spider Box Feeder Panel.....	384.22	
01 22 23 00-0749 MO 200 Amperes, 208 Volt, 3 Phase, Portable Spider Box Feeder Panel.....	1,075.80	
For >6 Months (>26 Weeks) , Deduct	-43.03	
01 22 23 00-0750 DAY 100 Amperes, 208 Volt, 3 Phase, Portable Quad Box Panel.....	115.86	
01 22 23 00-0751 WK 100 Amperes, 208 Volt, 3 Phase, Portable Quad Box Panel.....	301.46	
01 22 23 00-0752 MO 100 Amperes, 208 Volt, 3 Phase, Portable Quad Box Panel.....	857.10	
For >6 Months (>26 Weeks) , Deduct	-34.28	
01 22 23 00-0753 DAY 200 Amperes, 208 Volt, 3 Phase, Portable Quad Box Panel.....	147.78	
01 22 23 00-0754 WK 200 Amperes, 208 Volt, 3 Phase, Portable Quad Box Panel.....	372.39	
01 22 23 00-0755 MO 200 Amperes, 208 Volt, 3 Phase, Portable Quad Box Panel.....	1,010.78	
For >6 Months (>26 Weeks) , Deduct	-40.43	
<b>01 22 23 00-0756 Fuel Reimbursement For Generators (01 22 23 00-0638)</b>		
01 22 23 00-0757 EA Fuel Reimbursement For Generators .....	1.00	
Note: Purchases made by the contractor for fuel will be reimbursed to the Contractor at the actual cost of the purchase, without mark-up, for which a receipt or bill is received. The Adjustment Factor applied to Reimbursable Fees will be 1.0000. The base cost of the purchase is \$1.00, quantity will adjust cost to actual purchase cost; i.e., quantity of 125 = \$125.00 purchase. If there are multiple purchases, each one shall be listed separately with a comment in the "note" block to identify the purchase.		



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

01 22 23 00-0758	General Equipment <small>(01 22 23)</small>		
01 22 23 00-0759	Jacks And Bracing <small>(01 22 23 00-0758)</small>		
	Note: Includes delivery to job site and pick-up when complete.		
01 22 23 00-0760	Manual Hydraulic Jacks <small>(01 22 23 00-0758)</small>		
01 22 23 00-0761	DAY 12 Ton Manual Hydraulic Bottle Jack .....	1.83	
01 22 23 00-0762	WK 12 Ton Manual Hydraulic Bottle Jack .....	8.72	
01 22 23 00-0763	MO 12 Ton Manual Hydraulic Bottle Jack .....	31.36	
	For >6 Months (>26 Weeks) , Deduct	-1.25	
01 22 23 00-0764	DAY 20 Ton Manual Hydraulic Bottle Jack .....	3.21	
01 22 23 00-0765	WK 20 Ton Manual Hydraulic Bottle Jack .....	10.10	
01 22 23 00-0766	MO 20 Ton Manual Hydraulic Bottle Jack .....	38.25	
	For >6 Months (>26 Weeks) , Deduct	-1.53	
01 22 23 00-0767	DAY 50 Ton Manual Hydraulic Bottle Jack .....	11.48	
01 22 23 00-0768	WK 50 Ton Manual Hydraulic Bottle Jack .....	44.56	
01 22 23 00-0769	MO 50 Ton Manual Hydraulic Bottle Jack .....	160.32	
	For >6 Months (>26 Weeks) , Deduct	-6.41	
01 22 23 00-0770	DAY 100 Ton Manual Hydraulic Bottle Jack .....	16.08	
01 22 23 00-0771	WK 100 Ton Manual Hydraulic Bottle Jack .....	64.31	
01 22 23 00-0772	MO 100 Ton Manual Hydraulic Bottle Jack .....	231.64	
	For >6 Months (>26 Weeks) , Deduct	-9.27	
01 22 23 00-0773	Manual Screw Jacks <small>(01 22 23 00-0758)</small>		
01 22 23 00-0774	DAY 10 To 20 Ton Manual Screw Jack .....	17.63	
01 22 23 00-0775	WK 10 To 20 Ton Manual Screw Jack .....	46.66	
01 22 23 00-0776	MO 10 To 20 Ton Manual Screw Jack .....	139.98	
	For >6 Months (>26 Weeks) , Deduct	-5.60	
01 22 23 00-0777	Pressure Washers <small>(01 22 23 00-0758)</small>		
	Note: Includes delivery to job site, pick-up when complete and full time operator.		
01 22 23 00-0778	DAY 2,000 PSI Pressure Washer With Full-Time Operator .....	789.17	
	For Equipment Without Operator, Deduct	-657.88	
01 22 23 00-0779	WK 2,000 PSI Pressure Washer With Full-Time Operator .....	3,622.69	
	For Equipment Without Operator, Deduct	-3,289.41	
01 22 23 00-0780	MO 2,000 PSI Pressure Washer With Full-Time Operator .....	15,102.46	
	For Equipment Without Operator, Deduct	-14,254.10	
	For >6 Months (>26 Weeks) , Deduct	-33.93	
01 22 23 00-0781	DAY 2,500 PSI Pressure Washer With Full-Time Operator .....	789.17	
	For Equipment Without Operator, Deduct	-657.88	
01 22 23 00-0782	WK 2,500 PSI Pressure Washer With Full-Time Operator .....	3,622.69	
	For Equipment Without Operator, Deduct	-3,289.41	
01 22 23 00-0783	MO 2,500 PSI Pressure Washer With Full-Time Operator .....	15,102.46	
	For Equipment Without Operator, Deduct	-14,254.10	
	For >6 Months (>26 Weeks) , Deduct	-33.93	
01 22 23 00-0784	DAY 3,000 PSI Pressure Washer With Full-Time Operator .....	789.17	
	For Equipment Without Operator, Deduct	-657.88	
01 22 23 00-0785	WK 3,000 PSI Pressure Washer With Full-Time Operator .....	3,622.69	
	For Equipment Without Operator, Deduct	-3,289.41	
01 22 23 00-0786	MO 3,000 PSI Pressure Washer With Full-Time Operator .....	15,102.46	
	For Equipment Without Operator, Deduct	-14,254.10	
	For >6 Months (>26 Weeks) , Deduct	-33.93	
01 22 23 00-0787	DAY 3,500 PSI Pressure Washer With Full-Time Operator .....	799.27	
	For Equipment Without Operator, Deduct	-657.88	
01 22 23 00-0788	WK 3,500 PSI Pressure Washer With Full-Time Operator .....	3,652.99	
	For Equipment Without Operator, Deduct	-3,289.41	
01 22 23 00-0789	MO 3,500 PSI Pressure Washer With Full-Time Operator .....	15,183.25	
	For Equipment Without Operator, Deduct	-14,254.10	
	For >6 Months (>26 Weeks) , Deduct	-37.17	
01 22 23 00-0790	DAY 4,000 PSI Pressure Washer With Full-Time Operator .....	839.67	
	For Equipment Without Operator, Deduct	-657.88	
01 22 23 00-0791	WK 4,000 PSI Pressure Washer With Full-Time Operator .....	3,784.29	
	For Equipment Without Operator, Deduct	-3,289.41	
01 22 23 00-0792	MO 4,000 PSI Pressure Washer With Full-Time Operator .....	15,637.73	
	For Equipment Without Operator, Deduct	-14,254.10	
	For >6 Months (>26 Weeks) , Deduct	-55.35	
01 22 23 00-0793	DAY 5,000 PSI Pressure Washer With Full-Time Operator .....	859.87	
	For Equipment Without Operator, Deduct	-657.88	
01 22 23 00-0794	WK 5,000 PSI Pressure Washer With Full-Time Operator .....	3,834.78	
	For Equipment Without Operator, Deduct	-3,289.41	
01 22 23 00-0795	MO 5,000 PSI Pressure Washer With Full-Time Operator .....	15,789.22	
	For Equipment Without Operator, Deduct	-14,254.10	
	For >6 Months (>26 Weeks) , Deduct	-61.40	
01 22 23 00-0796	Confined Space Entry Equipment <small>(01 22 23 00-0758)</small>		
	Note: Includes delivery to job site, set-up, and pick-up when complete.		
01 22 23 00-0797	DAY Ventilation Equipment For Confined Space .....	50.27	
	Note: Includes electric or gas blower and ventilation duct up to 25'.		
01 22 23 00-0798	WK Ventilation Equipment For Confined Space .....	150.80	
	Note: Includes electric or gas blower and ventilation duct up to 25'.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0799 MO Ventilation Equipment For Confined Space.....	450.00	
Note: Includes electric or gas blower and ventilation duct up to 25'.		
<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>		
	-18.00	
01 22 23 00-0800 DAY Confined Space Air Monitor, Tripod, Harness, Cables, SCBAs And Complete Assembly.....	63.75	
01 22 23 00-0801 WK Confined Space Air Monitor, Tripod, Harness, Cables, SCBAs And Complete Assembly.....	191.26	
01 22 23 00-0802 MO Confined Space Air Monitor, Tripod, Harness, Cables, SCBAs And Complete Assembly.....	573.79	
<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>		
	-22.95	
01 22 23 00-0803 DAY Confined Space Air Monitor Personnel.....	877.07	
Note: Per person day.		
<b>01 22 23 00-0804 Mowers <small>(01 22 23 00-0758)</small></b>		
Note: Includes delivery to job site and pick-up when complete. Excludes operator.		
01 22 23 00-0805 DAY 21" Walk Behind Lawn Mower.....	93.26	
01 22 23 00-0806 WK 21" Walk Behind Lawn Mower.....	268.12	
01 22 23 00-0807 MO 21" Walk Behind Lawn Mower.....	547.90	
<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>		
	-21.92	
01 22 23 00-0808 DAY 32" Walk Behind Lawn Mower.....	116.58	
01 22 23 00-0809 WK 32" Walk Behind Lawn Mower.....	279.78	
01 22 23 00-0810 MO 32" Walk Behind Lawn Mower.....	582.88	
<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>		
	-23.32	
01 22 23 00-0811 DAY 36" To 48" Walk Behind Deck Mower.....	209.84	
01 22 23 00-0812 WK 36" To 48" Walk Behind Deck Mower.....	582.88	
01 22 23 00-0813 MO 36" To 48" Walk Behind Deck Mower.....	1,690.34	
<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>		
	-67.61	
01 22 23 00-0814 DAY 61" To 72" Walk Behind Deck Mower.....	209.84	
01 22 23 00-0815 WK 61" To 72" Walk Behind Deck Mower.....	582.88	
01 22 23 00-0816 MO 61" To 72" Walk Behind Deck Mower.....	1,690.34	
<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>		
	-67.61	
<b>01 22 23 00-0817 Trailer Mounted Brush Chipper <small>(01 22 23 00-0758)</small></b>		
Note: Includes delivery to job site and pick-up when complete.		
01 22 23 00-0818 DAY 4" Capacity, Trailer Mounted Brush Chipper For Emergency Clean-up.....	236.59	
01 22 23 00-0819 WK 4" Capacity, Trailer Mounted Brush Chipper For Emergency Clean-up.....	565.76	
01 22 23 00-0820 MO 4" Capacity, Trailer Mounted Brush Chipper For Emergency Clean-up.....	1,738.42	
<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>		
	-69.54	
01 22 23 00-0821 DAY 6" Capacity, Trailer Mounted Brush Chipper For Emergency Clean-up.....	308.60	
01 22 23 00-0822 WK 6" Capacity, Trailer Mounted Brush Chipper For Emergency Clean-up.....	695.37	
01 22 23 00-0823 MO 6" Capacity, Trailer Mounted Brush Chipper For Emergency Clean-up.....	1,851.57	
<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>		
	-74.06	
01 22 23 00-0824 DAY 9" Capacity, Trailer Mounted Brush Chipper For Emergency Clean-up.....	576.04	
01 22 23 00-0825 WK 9" Capacity, Trailer Mounted Brush Chipper For Emergency Clean-up.....	1,296.10	
01 22 23 00-0826 MO 9" Capacity, Trailer Mounted Brush Chipper For Emergency Clean-up.....	3,456.26	
<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>		
	-138.25	
01 22 23 00-0827 DAY 12" Capacity, Trailer Mounted Brush Chipper For Emergency Clean-up.....	551.95	
01 22 23 00-0828 WK 12" Capacity, Trailer Mounted Brush Chipper For Emergency Clean-up.....	1,241.89	
01 22 23 00-0829 MO 12" Capacity, Trailer Mounted Brush Chipper For Emergency Clean-up.....	3,311.71	
<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>		
	-132.47	
<b>01 22 23 00-0830 Material Handling Equipment <small>(01 22 23)</small></b>		
<b>01 22 23 00-0831 Truck Mounted Hydraulic Cranes <small>(01 22 23 00-0830)</small></b>		
Note: Includes full-time operator, delivery, set-up, rigging, all necessary counter weights and removal time in rental period. Excludes lattice boom extension.		
01 22 23 00-0832 DAY 6 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator.....	1,412.62	
<i>For Equipment Without Operator, Deduct</i>		
	-942.43	
01 22 23 00-0833 WK 6 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator.....	6,136.54	
<i>For Equipment Without Operator, Deduct</i>		
	-4,712.15	
01 22 23 00-0834 MO 6 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator.....	24,706.32	
<i>For Equipment Without Operator, Deduct</i>		
	-20,419.33	
	-171.48	
01 22 23 00-0835 DAY 8 To 9 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator.....	1,537.08	
<i>For Equipment Without Operator, Deduct</i>		
	-942.43	
01 22 23 00-0836 WK 8 To 9 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator.....	6,506.46	
<i>For Equipment Without Operator, Deduct</i>		
	-4,712.15	
01 22 23 00-0837 MO 8 To 9 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator.....	25,812.64	
<i>For Equipment Without Operator, Deduct</i>		
	-20,419.33	
	-215.73	
01 22 23 00-0838 DAY 14 To 15 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator.....	1,661.54	
<i>For Equipment Without Operator, Deduct</i>		
	-942.43	
01 22 23 00-0839 WK 14 To 15 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator.....	6,876.39	
<i>For Equipment Without Operator, Deduct</i>		
	-4,712.15	
01 22 23 00-0840 MO 14 To 15 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator.....	26,918.96	
<i>For Equipment Without Operator, Deduct</i>		
	-20,419.33	
	-259.99	
01 22 23 00-0841 DAY 20 To 25 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator.....	1,827.49	
<i>For Equipment Without Operator, Deduct</i>		
	-942.43	
01 22 23 00-0842 WK 20 To 25 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator.....	7,374.23	
<i>For Equipment Without Operator, Deduct</i>		
	-4,712.15	
01 22 23 00-0843 MO 20 To 25 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator.....	28,405.58	
<i>For Equipment Without Operator, Deduct</i>		
	-20,419.33	
	-319.45	

<b>01</b>	<b>General Requirements</b>
<b>01 20</b>	<b>Price and Payment Procedures</b>
<b>01 22</b>	<b>Unit Prices</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0844 DAY 30 To 35 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator .....	1,979.61	
<i>For Equipment Without Operator, Deduct</i>	-942.43	
01 22 23 00-0845 WK 30 To 35 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator .....	8,404.49	
<i>For Equipment Without Operator, Deduct</i>	-4,712.15	
01 22 23 00-0846 MO 30 To 35 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator .....	31,493.59	
<i>For Equipment Without Operator, Deduct</i>	-20,419.33	
<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	-442.97	
01 22 23 00-0847 DAY 40 To 45 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator .....	2,339.16	
<i>For Equipment Without Operator, Deduct</i>	-942.43	
01 22 23 00-0848 WK 40 To 45 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator .....	9,690.59	
<i>For Equipment Without Operator, Deduct</i>	-4,712.15	
01 22 23 00-0849 MO 40 To 45 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator .....	35,354.65	
<i>For Equipment Without Operator, Deduct</i>	-20,419.33	
<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	-597.41	
01 22 23 00-0850 DAY 50 To 55 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator .....	2,567.34	
<i>For Equipment Without Operator, Deduct</i>	-942.43	
01 22 23 00-0851 WK 50 To 55 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator .....	10,492.67	
<i>For Equipment Without Operator, Deduct</i>	-4,712.15	
01 22 23 00-0852 MO 50 To 55 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator .....	37,766.43	
<i>For Equipment Without Operator, Deduct</i>	-20,419.33	
<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	-693.88	
01 22 23 00-0853 DAY 60 To 65 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator .....	2,747.11	
<i>For Equipment Without Operator, Deduct</i>	-942.43	
01 22 23 00-0854 WK 60 To 65 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator .....	11,142.63	
<i>For Equipment Without Operator, Deduct</i>	-4,712.15	
01 22 23 00-0855 MO 60 To 65 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator .....	39,713.55	
<i>For Equipment Without Operator, Deduct</i>	-20,419.33	
<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	-771.77	
01 22 23 00-0856 DAY 70 To 75 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator .....	2,926.89	
<i>For Equipment Without Operator, Deduct</i>	-942.43	
01 22 23 00-0857 WK 70 To 75 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator .....	11,792.60	
<i>For Equipment Without Operator, Deduct</i>	-4,712.15	
01 22 23 00-0858 MO 70 To 75 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator .....	41,660.67	
<i>For Equipment Without Operator, Deduct</i>	-20,419.33	
<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	-849.65	
01 22 23 00-0859 DAY 85 To 90 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator .....	3,044.44	
<i>For Equipment Without Operator, Deduct</i>	-942.43	
01 22 23 00-0860 WK 85 To 90 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator .....	12,193.64	
<i>For Equipment Without Operator, Deduct</i>	-4,712.15	
01 22 23 00-0861 MO 85 To 90 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator .....	42,877.63	
<i>For Equipment Without Operator, Deduct</i>	-20,419.33	
<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	-898.33	
01 22 23 00-0862 DAY 100 To 110 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator .....	3,203.47	
<i>For Equipment Without Operator, Deduct</i>	-942.43	
01 22 23 00-0863 WK 100 To 110 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator .....	12,788.29	
<i>For Equipment Without Operator, Deduct</i>	-4,712.15	
01 22 23 00-0864 MO 100 To 110 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator .....	44,647.74	
<i>For Equipment Without Operator, Deduct</i>	-20,419.33	
<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	-969.14	
01 22 23 00-0865 DAY 120 To 125 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator .....	3,715.14	
<i>For Equipment Without Operator, Deduct</i>	-942.43	
<i>For Half Day Usage, Deduct</i>	-1,109.08	
01 22 23 00-0866 WK 120 To 125 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator .....	14,416.65	
<i>For Equipment Without Operator, Deduct</i>	-4,712.15	
01 22 23 00-0867 MO 120 To 125 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator .....	49,532.83	
<i>For Equipment Without Operator, Deduct</i>	-20,419.33	
<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	-1,164.54	
01 22 23 00-0868 DAY 140 To 150 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator .....	4,067.78	
<i>For Equipment Without Operator, Deduct</i>	-942.43	
<i>For Half Day Usage, Deduct</i>	-1,250.14	
01 22 23 00-0869 WK 140 To 150 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator .....	15,650.89	
<i>For Equipment Without Operator, Deduct</i>	-4,712.15	
01 22 23 00-0870 MO 140 To 150 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator .....	53,235.55	
<i>For Equipment Without Operator, Deduct</i>	-20,419.33	
<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	-1,312.65	
01 22 23 00-0871 DAY 175 To 185 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator .....	4,703.92	
<i>For Equipment Without Operator, Deduct</i>	-942.43	
<i>For Half Day Usage, Deduct</i>	-1,504.60	
01 22 23 00-0872 WK 175 To 185 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator .....	17,877.36	
<i>For Equipment Without Operator, Deduct</i>	-4,712.15	
01 22 23 00-0873 MO 175 To 185 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator .....	59,914.95	
<i>For Equipment Without Operator, Deduct</i>	-20,419.33	
<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	-1,579.82	
01 22 23 00-0874 DAY 200 To 210 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator .....	5,146.45	
<i>For Equipment Without Operator, Deduct</i>	-942.43	
<i>For Half Day Usage, Deduct</i>	-1,681.61	
01 22 23 00-0875 WK 200 To 210 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator .....	19,426.21	
<i>For Equipment Without Operator, Deduct</i>	-4,712.15	
01 22 23 00-0876 MO 200 To 210 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator .....	64,561.50	
<i>For Equipment Without Operator, Deduct</i>	-20,419.33	
<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	-1,765.69	





<b>General Requirements</b>			<b>01</b>
Price and Payment Procedures			01 20
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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 22 23 00-0877	<b>Cable Controlled Lattice Boom, Mechanical Cranes</b> <small>(01 22 23 00-0830)</small> Note: Includes full-time operator and counterweights. Excludes delivery, set-up, and removal. See CSI section 01 71 13 00-0004 for lattice crane delivery.	
01 22 23 00-0878	DAY 75 To 80 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator .....2,601.91 <i>For Equipment Without Operator, Deduct</i> -942.43	
01 22 23 00-0879	WK 75 To 80 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator .....10,630.96 <i>For Equipment Without Operator, Deduct</i> -4,712.15	
01 22 23 00-0880	MO 75 To 80 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator .....38,175.77 <i>For Equipment Without Operator, Deduct</i> -20,419.33 <i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i> -710.26	
01 22 23 00-0881	DAY 100 To 110 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator.....3,881.09 <i>For Equipment Without Operator, Deduct</i> -942.43	
01 22 23 00-0882	WK 100 To 110 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator.....12,760.63 <i>For Equipment Without Operator, Deduct</i> -4,712.15	
01 22 23 00-0883	MO 100 To 110 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator.....44,564.76 <i>For Equipment Without Operator, Deduct</i> -20,419.33 <i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i> -965.82	
01 22 23 00-0884	DAY 125 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Or Crawler Mechanical Crane With Full-Time Operator .....4,088.53 <i>For Equipment Without Operator, Deduct</i> -942.43	
01 22 23 00-0885	WK 125 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Or Crawler Mechanical Crane With Full-Time Operator .....14,274.90 <i>For Equipment Without Operator, Deduct</i> -4,712.15	
01 22 23 00-0886	MO 125 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Or Crawler Mechanical Crane With Full-Time Operator .....49,106.21 <i>For Equipment Without Operator, Deduct</i> -20,419.33 <i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i> -1,147.48	
01 22 23 00-0887	DAY 150 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Or Crawler Mechanical Crane With Full-Time Operator .....4,503.40 <i>For Equipment Without Operator, Deduct</i> -942.43	
01 22 23 00-0888	WK 150 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Or Crawler Mechanical Crane With Full-Time Operator .....15,789.18 <i>For Equipment Without Operator, Deduct</i> -4,712.15	
01 22 23 00-0889	MO 150 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Or Crawler Mechanical Crane With Full-Time Operator .....53,642.12 <i>For Equipment Without Operator, Deduct</i> -20,419.33 <i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i> -1,328.91	
01 22 23 00-0890	DAY 200 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator .....4,700.46 <i>For Equipment Without Operator, Deduct</i> -942.43	
01 22 23 00-0891	WK 200 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator .....17,303.45 <i>For Equipment Without Operator, Deduct</i> -4,712.15	
01 22 23 00-0892	MO 200 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator .....58,189.09 <i>For Equipment Without Operator, Deduct</i> -20,419.33 <i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i> -1,510.79	
01 22 23 00-0893	DAY 250 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator .....4,897.52 <i>For Equipment Without Operator, Deduct</i> -942.43	
01 22 23 00-0894	WK 250 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator .....18,817.73 <i>For Equipment Without Operator, Deduct</i> -4,712.15	
01 22 23 00-0895	MO 250 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator .....62,736.07 <i>For Equipment Without Operator, Deduct</i> -20,419.33 <i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i> -1,692.67	
01 22 23 00-0896	DAY 300 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator .....5,547.49 <i>For Equipment Without Operator, Deduct</i> -942.43	
01 22 23 00-0897	WK 300 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator .....21,147.92 <i>For Equipment Without Operator, Deduct</i> -4,712.15	
01 22 23 00-0898	MO 300 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator .....69,716.95 <i>For Equipment Without Operator, Deduct</i> -20,419.33 <i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i> -1,971.90	
01 22 23 00-0899	DAY 500 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator .....9,544.07 <i>For Equipment Without Operator, Deduct</i> -942.43	
01 22 23 00-0900	WK 500 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator .....35,391.79 <i>For Equipment Without Operator, Deduct</i> -4,712.15	
01 22 23 00-0901	MO 500 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator .....112,465.15 <i>For Equipment Without Operator, Deduct</i> -20,419.33 <i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i> -3,681.83	

01 22 23 00-0902	<b>Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklifts</b> <small>(01 22 23 00-0830)</small> Note: Includes full-time operator. Excludes delivery, set-up, and removal.	
01 22 23 00-0903	DAY 5,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator .....1,349.49 <i>For Equipment Without Operator, Deduct</i> -877.07	
01 22 23 00-0904	WK 5,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator .....5,541.52 <i>For Equipment Without Operator, Deduct</i> -4,385.34	
01 22 23 00-0905	MO 5,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator .....21,489.56 <i>For Equipment Without Operator, Deduct</i> -19,003.16 <i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i> -99.46	
01 22 23 00-0906	DAY 6,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator .....1,399.21 <i>For Equipment Without Operator, Deduct</i> -877.07	
01 22 23 00-0907	WK 6,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator .....5,653.40 <i>For Equipment Without Operator, Deduct</i> -4,385.34	
01 22 23 00-0908	MO 6,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator .....21,738.20 <i>For Equipment Without Operator, Deduct</i> -19,003.16 <i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i> -109.40	

<b>01</b>	<b>01</b>	<b>General Requirements</b>
	<b>01 20</b>	<b>Price and Payment Procedures</b>
	<b>01 22</b>	<b>Unit Prices</b>



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0909	DAY	8,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	1,386.78	
		<i>For Equipment Without Operator, Deduct</i>	-877.07	
01 22 23 00-0910	WK	8,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	5,709.35	
		<i>For Equipment Without Operator, Deduct</i>	-4,385.34	
01 22 23 00-0911	MO	8,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	22,111.16	
		<i>For Equipment Without Operator, Deduct</i>	-19,003.16	
		<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-124.32	
01 22 23 00-0912	DAY	10,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	1,529.75	
		<i>For Equipment Without Operator, Deduct</i>	-877.07	
01 22 23 00-0913	WK	10,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	6,082.31	
		<i>For Equipment Without Operator, Deduct</i>	-4,385.34	
01 22 23 00-0914	MO	10,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	22,981.40	
		<i>For Equipment Without Operator, Deduct</i>	-19,003.16	
		<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-159.13	
<b>01 22 23 00-0915      Straight Mast, Rough Terrain Construction Forklifts (01 22 23 00-0830)</b>				
Note: Includes full-time operator. Excludes delivery, set-up, and removal.				
01 22 23 00-0916	DAY	5,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	1,184.14	
		<i>For Equipment Without Operator, Deduct</i>	-877.07	
		<i>For Propane Instead Of Gas Or Diesel, Add</i>	61.41	
01 22 23 00-0917	WK	5,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	5,223.88	
		<i>For Equipment Without Operator, Deduct</i>	-4,385.34	
		<i>For Propane Instead Of Gas Or Diesel, Add</i>	167.71	
01 22 23 00-0918	MO	5,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	20,922.35	
		<i>For Equipment Without Operator, Deduct</i>	-19,003.16	
		<i>For Propane Instead Of Gas Or Diesel, Add</i>	383.84	
		<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-76.77	
01 22 23 00-0919	DAY	6,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	1,200.30	
		<i>For Equipment Without Operator, Deduct</i>	-877.07	
		<i>For Propane Instead Of Gas Or Diesel, Add</i>	64.65	
01 22 23 00-0920	WK	6,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	5,268.01	
		<i>For Equipment Without Operator, Deduct</i>	-4,385.34	
		<i>For Propane Instead Of Gas Or Diesel, Add</i>	176.53	
01 22 23 00-0921	MO	6,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	21,023.36	
		<i>For Equipment Without Operator, Deduct</i>	-19,003.16	
		<i>For Propane Instead Of Gas Or Diesel, Add</i>	404.04	
		<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-80.81	
01 22 23 00-0922	DAY	8,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	1,287.33	
		<i>For Equipment Without Operator, Deduct</i>	-877.07	
		<i>For Propane Instead Of Gas Or Diesel, Add</i>	82.05	
01 22 23 00-0923	WK	8,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	5,510.44	
		<i>For Equipment Without Operator, Deduct</i>	-4,385.34	
		<i>For Propane Instead Of Gas Or Diesel, Add</i>	225.02	
01 22 23 00-0924	MO	8,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	21,582.80	
		<i>For Equipment Without Operator, Deduct</i>	-19,003.16	
		<i>For Propane Instead Of Gas Or Diesel, Add</i>	515.93	
		<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-103.19	
01 22 23 00-0925	DAY	10,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	1,335.25	
		<i>For Equipment Without Operator, Deduct</i>	-877.07	
		<i>For Propane Instead Of Gas Or Diesel, Add</i>	91.64	
01 22 23 00-0926	WK	10,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	5,489.67	
		<i>For Equipment Without Operator, Deduct</i>	-4,385.34	
		<i>For Propane Instead Of Gas Or Diesel, Add</i>	220.87	
01 22 23 00-0927	MO	10,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	21,752.25	
		<i>For Equipment Without Operator, Deduct</i>	-19,003.16	
		<i>For Propane Instead Of Gas Or Diesel, Add</i>	549.82	
		<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-109.96	
<b>01 22 23 00-0928      Straight Mast, Industrial Warehouse Forklifts (01 22 23 00-0830)</b>				
Note: Includes full-time operator. Excludes delivery, set-up, and removal.				
01 22 23 00-0929	DAY	5,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	1,138.14	
		<i>For Equipment Without Operator, Deduct</i>	-877.07	
		<i>For Propane Instead Of Gas Or Diesel, Add</i>	52.21	
01 22 23 00-0930	WK	5,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	4,982.08	
		<i>For Equipment Without Operator, Deduct</i>	-4,385.34	
		<i>For Propane Instead Of Gas Or Diesel, Add</i>	119.35	
01 22 23 00-0931	MO	5,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	20,432.84	
		<i>For Equipment Without Operator, Deduct</i>	-19,003.16	
		<i>For Propane Instead Of Gas Or Diesel, Add</i>	285.94	
		<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-57.19	
01 22 23 00-0932	DAY	6,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	1,144.36	
		<i>For Equipment Without Operator, Deduct</i>	-877.07	
		<i>For Propane Instead Of Gas Or Diesel, Add</i>	53.46	
01 22 23 00-0933	WK	6,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	5,000.72	
		<i>For Equipment Without Operator, Deduct</i>	-4,385.34	
		<i>For Propane Instead Of Gas Or Diesel, Add</i>	123.08	
01 22 23 00-0934	MO	6,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	20,476.35	
		<i>For Equipment Without Operator, Deduct</i>	-19,003.16	
		<i>For Propane Instead Of Gas Or Diesel, Add</i>	294.64	
		<i>For &gt;6 Months (&gt;26 Weeks), Deduct</i>	-58.93	
01 22 23 00-0935	DAY	8,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	1,274.89	
		<i>For Equipment Without Operator, Deduct</i>	-877.07	
		<i>For Propane Instead Of Gas Or Diesel, Add</i>	79.56	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0936 WK 8,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator.....	5,286.66	
<i>For Equipment Without Operator, Deduct</i>	-4,385.34	
<i>For Propane Instead Of Gas Or Diesel, Add</i>	180.26	
01 22 23 00-0937 MO 8,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator.....	21,178.76	
<i>For Equipment Without Operator, Deduct</i>	-19,003.16	
<i>For Propane Instead Of Gas Or Diesel, Add</i>	435.12	
<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	-87.02	
01 22 23 00-0938 DAY 12,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator.....	1,287.33	
<i>For Equipment Without Operator, Deduct</i>	-877.07	
<i>For Propane Instead Of Gas Or Diesel, Add</i>	82.05	
01 22 23 00-0939 WK 12,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator.....	5,392.33	
<i>For Equipment Without Operator, Deduct</i>	-4,385.34	
<i>For Propane Instead Of Gas Or Diesel, Add</i>	201.40	
01 22 23 00-0940 MO 12,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator.....	21,551.72	
<i>For Equipment Without Operator, Deduct</i>	-19,003.16	
<i>For Propane Instead Of Gas Or Diesel, Add</i>	509.71	
<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	-101.94	
01 22 23 00-0941 DAY 15,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator.....	1,399.21	
<i>For Equipment Without Operator, Deduct</i>	-877.07	
<i>For Propane Instead Of Gas Or Diesel, Add</i>	104.43	
01 22 23 00-0942 WK 15,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator.....	5,572.60	
<i>For Equipment Without Operator, Deduct</i>	-4,385.34	
<i>For Propane Instead Of Gas Or Diesel, Add</i>	237.45	
01 22 23 00-0943 MO 15,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator.....	21,862.52	
<i>For Equipment Without Operator, Deduct</i>	-19,003.16	
<i>For Propane Instead Of Gas Or Diesel, Add</i>	571.87	
<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	-114.37	
<b>01 22 23 00-0944 Chain Hoists</b> <small>(01 22 23 00-0830)</small>		
Note: Includes delivery to job site and pick-up when complete.		
01 22 23 00-0945 DAY 1 Ton, 20' Lift, Manual Chain Hoist.....	13.78	
01 22 23 00-0946 WK 1 Ton, 20' Lift, Manual Chain Hoist.....	35.83	
01 22 23 00-0947 MO 1 Ton, 20' Lift, Manual Chain Hoist.....	106.11	
<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	-4.24	
01 22 23 00-0948 DAY 3 Ton, 20' Lift, Manual Chain Hoist.....	38.58	
01 22 23 00-0949 WK 3 Ton, 20' Lift, Manual Chain Hoist.....	90.95	
01 22 23 00-0950 MO 3 Ton, 20' Lift, Manual Chain Hoist.....	254.93	
<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	-10.20	
01 22 23 00-0951 DAY 5 Ton, 20' Lift, Manual Chain Hoist.....	49.61	
01 22 23 00-0952 WK 5 Ton, 20' Lift, Manual Chain Hoist.....	133.67	
01 22 23 00-0953 MO 5 Ton, 20' Lift, Manual Chain Hoist.....	372.06	
<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	-14.88	
01 22 23 00-0954 DAY 2 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist .....	97.84	
01 22 23 00-0955 WK 2 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist .....	254.93	
01 22 23 00-0956 MO 2 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist .....	689.00	
<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	-27.56	
01 22 23 00-0957 DAY 3 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist .....	99.22	
01 22 23 00-0958 WK 3 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist .....	265.26	
01 22 23 00-0959 MO 3 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist .....	723.45	
<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	-28.94	
01 22 23 00-0960 DAY 5 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist .....	101.97	
01 22 23 00-0961 WK 5 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist .....	285.94	
01 22 23 00-0962 MO 5 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist .....	792.35	
<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	-31.69	
<b>01 22 23 00-0963 Roof Swing Hoist</b> <small>(01 22 23 00-0830)</small>		
Note: Includes delivery to job site and pick-up when complete.		
01 22 23 00-0964 DAY Up To 400 Lbs, Manual Swing Roof Hoist.....	99.66	
01 22 23 00-0965 WK Up To 400 Lbs, Manual Swing Roof Hoist .....	348.83	
01 22 23 00-0966 MO Up To 400 Lbs, Manual Swing Roof Hoist .....	1,195.98	
<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	-47.84	
<b>01 22 23 00-0967 Truck Mounted Digger Derrick</b> <small>(01 22 23 00-0830)</small>		
Note: Includes full-time operator, delivery, set-up, and removal time in rental period. Lifting capacity is reduced.		
01 22 23 00-0968 DAY Up To 47' Sheave Height, 34' Horizontal Reach, 12 Ton Capacity, Truck Mounted Hydraulic Digger Derrick With Full-Time Operator .....	1,597.07	
Note: Includes lifting boom, grapple arm and auger drill.		
<i>For Equipment Without Operator, Deduct</i>	-942.43	
01 22 23 00-0969 WK Up To 47' Sheave Height, 34' Horizontal Reach, 12 Ton Capacity, Truck Mounted Hydraulic Digger Derrick With Full-Time Operator .....	6,676.06	
Note: Includes lifting boom, grapple arm and auger drill.		
<i>For Equipment Without Operator, Deduct</i>	-4,712.15	
01 22 23 00-0970 MO Up To 47' Sheave Height, 34' Horizontal Reach, 12 Ton Capacity, Truck Mounted Hydraulic Digger Derrick With Full-Time Operator .....	25,656.42	
Note: Includes lifting boom, grapple arm and auger drill.		
<i>For Equipment Without Operator, Deduct</i>	-20,419.33	
<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	-209.48	
01 22 23 00-0971 DAY Up To 48' Sheave Height, 38' Horizontal Reach, 15 Ton Capacity, Truck Mounted Hydraulic Digger Derrick With Full-Time Operator .....	1,731.62	
Note: Includes lifting boom, grapple arm and auger drill.		
<i>For Equipment Without Operator, Deduct</i>	-942.43	

<b>01</b>	<b>01</b>	<b>General Requirements</b>
	<b>01 20</b>	<b>Price and Payment Procedures</b>
	<b>01 22</b>	<b>Unit Prices</b>



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0972	WK	Up To 48' Sheave Height, 38' Horizontal Reach, 15 Ton Capacity, Truck Mounted Hydraulic Digger Derrick With Full-Time Operator.....	7,079.72	
		Note: Includes lifting boom, grapple arm and auger drill.		
		<i>For Equipment Without Operator, Deduct</i>	-4,712.15	
01 22 23 00-0973	MO	Up To 48' Sheave Height, 38' Horizontal Reach, 15 Ton Capacity, Truck Mounted Hydraulic Digger Derrick With Full-Time Operator.....	26,732.86	
		Note: Includes lifting boom, grapple arm and auger drill.		
		<i>For Equipment Without Operator, Deduct</i>	-20,419.33	
		<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	-252.54	
01 22 23 00-0974	DAY	Up To 65' Sheave Height, 55' Horizontal Reach, 21 Ton Capacity, Truck Mounted Hydraulic Digger Derrick With Full-Time Operator.....	2,563.09	
		Note: Includes lifting boom, grapple arm and auger drill.		
		<i>For Equipment Without Operator, Deduct</i>	-942.43	
01 22 23 00-0975	WK	Up To 65' Sheave Height, 55' Horizontal Reach, 21 Ton Capacity, Truck Mounted Hydraulic Digger Derrick With Full-Time Operator.....	9,574.14	
		Note: Includes lifting boom, grapple arm and auger drill.		
		<i>For Equipment Without Operator, Deduct</i>	-4,712.15	
01 22 23 00-0976	MO	Up To 65' Sheave Height, 55' Horizontal Reach, 21 Ton Capacity, Truck Mounted Hydraulic Digger Derrick With Full-Time Operator.....	33,384.64	
		Note: Includes lifting boom, grapple arm and auger drill.		
		<i>For Equipment Without Operator, Deduct</i>	-20,419.33	
		<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	-518.61	
<b>01 22 23 00-0977</b>		<b>Pumping Equipment (01 22 23)</b>		
<b>01 22 23 00-0978</b>		<b>Gas Powered Portable Centrifugal Pumps (01 22 23 00-0977)</b>		
		Note: Includes delivery, set-up, and removal. Excludes operator. See CSI section 01 22 23 00-1002 for larger diameter pumps.		
01 22 23 00-0979	DAY	8,500 GPH, 2" Discharge, 108' Maximum Head, Gas Powered Portable Centrifugal Pump.....	74.22	
01 22 23 00-0980	WK	8,500 GPH, 2" Discharge, 108' Maximum Head, Gas Powered Portable Centrifugal Pump.....	167.00	
01 22 23 00-0981	MO	8,500 GPH, 2" Discharge, 108' Maximum Head, Gas Powered Portable Centrifugal Pump.....	445.34	
		<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	-17.81	
01 22 23 00-0982	DAY	16,500 GPH, 3" Discharge, 85' Maximum Head, Gas Powered Portable Centrifugal Pump.....	89.07	
01 22 23 00-0983	WK	16,500 GPH, 3" Discharge, 85' Maximum Head, Gas Powered Portable Centrifugal Pump.....	200.40	
01 22 23 00-0984	MO	16,500 GPH, 3" Discharge, 85' Maximum Head, Gas Powered Portable Centrifugal Pump.....	534.41	
		<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	-21.38	
<b>01 22 23 00-0985</b>		<b>Gas Powered Portable Diaphragm Pumps (01 22 23 00-0977)</b>		
		Note: Includes delivery, set-up, and removal. Excludes operator.		
01 22 23 00-0986	DAY	3,000 GPH, 2" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump .....	85.36	
01 22 23 00-0987	WK	3,000 GPH, 2" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump .....	241.23	
01 22 23 00-0988	MO	3,000 GPH, 2" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump .....	612.35	
		<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	-24.49	
01 22 23 00-0989	DAY	5,200 GPH, 3" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump .....	103.91	
01 22 23 00-0990	WK	5,200 GPH, 3" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump .....	278.34	
01 22 23 00-0991	MO	5,200 GPH, 3" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump .....	788.63	
		<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	-31.55	
<b>01 22 23 00-0992</b>		<b>Gas Powered Portable Trash Pumps (01 22 23 00-0977)</b>		
		Note: Includes delivery, set-up, and removal. Excludes operator.		
01 22 23 00-0993	DAY	12,000 GPH, 2" Discharge, 100' Maximum Head, Gas Powered Portable Trash Pump.....	107.62	
01 22 23 00-0994	WK	12,000 GPH, 2" Discharge, 100' Maximum Head, Gas Powered Portable Trash Pump.....	222.67	
01 22 23 00-0995	MO	12,000 GPH, 2" Discharge, 100' Maximum Head, Gas Powered Portable Trash Pump.....	668.02	
		<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	-26.72	
01 22 23 00-0996	DAY	25,000 GPH, 3" Discharge, 90' Maximum Head, Gas Powered Portable Trash Pump.....	107.62	
01 22 23 00-0997	WK	25,000 GPH, 3" Discharge, 90' Maximum Head, Gas Powered Portable Trash Pump.....	287.62	
01 22 23 00-0998	MO	25,000 GPH, 3" Discharge, 90' Maximum Head, Gas Powered Portable Trash Pump.....	788.63	
		<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	-31.55	
01 22 23 00-0999	DAY	35,000 GPH, 4" Discharge, 106' Maximum Head, Gas Powered Portable Trash Pump.....	170.72	
01 22 23 00-1000	WK	35,000 GPH, 4" Discharge, 106' Maximum Head, Gas Powered Portable Trash Pump.....	482.46	
01 22 23 00-1001	MO	35,000 GPH, 4" Discharge, 106' Maximum Head, Gas Powered Portable Trash Pump.....	1,400.98	
		<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	-56.04	
<b>01 22 23 00-1002</b>		<b>Diesel Powered Portable Trash Pumps (01 22 23 00-0977)</b>		
		Note: Includes delivery, set-up, and removal. Excludes operator.		
01 22 23 00-1003	DAY	63,000 GPH, 4" Discharge, 153' Maximum Head, Diesel Powered Portable Trash Pump .....	334.01	
01 22 23 00-1004	WK	63,000 GPH, 4" Discharge, 153' Maximum Head, Diesel Powered Portable Trash Pump .....	909.24	
01 22 23 00-1005	MO	63,000 GPH, 4" Discharge, 153' Maximum Head, Diesel Powered Portable Trash Pump .....	3,961.71	
		<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	-158.47	
01 22 23 00-1006	DAY	156,000 GPH, 6" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump .....	510.29	
01 22 23 00-1007	WK	156,000 GPH, 6" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump .....	1,336.03	
01 22 23 00-1008	MO	156,000 GPH, 6" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump .....	3,553.47	
		<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	-142.14	
01 22 23 00-1009	DAY	246,000 GPH, 10" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump .....	693.99	
01 22 23 00-1010	WK	246,000 GPH, 10" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump .....	1,857.46	
01 22 23 00-1011	MO	246,000 GPH, 10" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump .....	4,969.30	
		<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	-198.77	
01 22 23 00-1012	DAY	379,000 GPH, 12" Discharge, 104' Maximum Head, Diesel Powered Portable Trash Pump .....	898.11	
01 22 23 00-1013	WK	379,000 GPH, 12" Discharge, 104' Maximum Head, Diesel Powered Portable Trash Pump .....	2,293.52	



		<b>General Requirements</b>	<b>01</b>
		<b>Price and Payment Procedures</b>	<b>01 20</b>
		<b>Unit Prices</b>	<b>01 22</b>

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1014	MO		379,000 GPH, 12" Discharge, 104' Maximum Head, Diesel Powered Portable Trash Pump ..... <i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	6,735.83 -269.43	
<b>01 22 23 00-1015</b>			<b>Diesel Powered Portable Silenced Environmental Trash Pumps</b> (01 22 23 00-0977) Note: Includes delivery, set-up, and removal. Excludes operator.		
01 22 23 00-1016	DAY		90,000 GPH, 4" Discharge, 330' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump.....	476.89	
01 22 23 00-1017	WK		90,000 GPH, 4" Discharge, 330' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump.....	1,085.53	
01 22 23 00-1018	MO		90,000 GPH, 4" Discharge, 330' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump..... <i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	3,384.61 -135.38	
01 22 23 00-1019	DAY		136,800 GPH, 6" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump.....	584.51	
01 22 23 00-1020	WK		136,800 GPH, 6" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump.....	1,456.65	
01 22 23 00-1021	MO		136,800 GPH, 6" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump..... <i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	3,961.71 -158.47	
01 22 23 00-1022	DAY		246,000 GPH, 10" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump.....	705.13	
01 22 23 00-1023	WK		246,000 GPH, 10" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump.....	2,085.69	
01 22 23 00-1024	MO		246,000 GPH, 10" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump..... <i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	5,817.31 -232.69	
01 22 23 00-1025	DAY		510,000 GPH, 12" Discharge, 200' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump.....	1,061.40	
01 22 23 00-1026	WK		510,000 GPH, 12" Discharge, 200' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump.....	2,711.03	
01 22 23 00-1027	MO		510,000 GPH, 12" Discharge, 200' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump..... <i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	7,960.52 -318.42	
<b>01 22 23 00-1028</b>			<b>3 Phase Electric Submersible Pumps</b> (01 22 23 00-0977) Note: Includes delivery, set-up, and removal. Excludes operator.		
01 22 23 00-1029	DAY		24,000 GPH, 3" Discharge, 78' Maximum Head, 3 Phase Electric Submersible Pump.....	185.56	
01 22 23 00-1030	WK		24,000 GPH, 3" Discharge, 78' Maximum Head, 3 Phase Electric Submersible Pump.....	463.90	
01 22 23 00-1031	MO		24,000 GPH, 3" Discharge, 78' Maximum Head, 3 Phase Electric Submersible Pump..... <i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	1,391.70 -55.67	
01 22 23 00-1032	DAY		49,800 GPH, 4" Discharge, 98' Maximum Head, 3 Phase Electric Submersible Pump.....	244.94	
01 22 23 00-1033	WK		49,800 GPH, 4" Discharge, 98' Maximum Head, 3 Phase Electric Submersible Pump.....	612.35	
01 22 23 00-1034	MO		49,800 GPH, 4" Discharge, 98' Maximum Head, 3 Phase Electric Submersible Pump..... <i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	1,837.04 -73.48	
<b>01 22 23 00-1035</b>			<b>Suction Hose With Couplings</b> (01 22 23 00-0977) Note: Includes delivery, set-up, and removal.		
01 22 23 00-1036	DAY		Up To 2" Inside Diameter, 20' Length, Suction Hose With Couplings.....	5.76	
01 22 23 00-1037	WK		Up To 2" Inside Diameter, 20' Length, Suction Hose With Couplings.....	14.40	
01 22 23 00-1038	MO		Up To 2" Inside Diameter, 20' Length, Suction Hose With Couplings..... <i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	44.16 -1.77	
01 22 23 00-1039	DAY		3" Inside Diameter, 20' Length, Suction Hose With Couplings.....	15.36	
01 22 23 00-1040	WK		3" Inside Diameter, 20' Length, Suction Hose With Couplings.....	39.36	
01 22 23 00-1041	MO		3" Inside Diameter, 20' Length, Suction Hose With Couplings..... <i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	120.00 -4.80	
01 22 23 00-1042	DAY		4" Inside Diameter, 20' Length, Suction Hose With Couplings.....	23.04	
01 22 23 00-1043	WK		4" Inside Diameter, 20' Length, Suction Hose With Couplings.....	58.56	
01 22 23 00-1044	MO		4" Inside Diameter, 20' Length, Suction Hose With Couplings..... <i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	177.60 -7.10	
01 22 23 00-1045	DAY		6" Inside Diameter, 20' Length, Suction Hose With Couplings.....	28.80	
01 22 23 00-1046	WK		6" Inside Diameter, 20' Length, Suction Hose With Couplings.....	72.00	
01 22 23 00-1047	MO		6" Inside Diameter, 20' Length, Suction Hose With Couplings..... <i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	211.20 -8.45	
01 22 23 00-1048	DAY		10" Inside Diameter, 20' Length, Suction Hose With Couplings.....	67.20	
01 22 23 00-1049	WK		10" Inside Diameter, 20' Length, Suction Hose With Couplings.....	172.80	
01 22 23 00-1050	MO		10" Inside Diameter, 20' Length, Suction Hose With Couplings..... <i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	508.80 -20.35	
01 22 23 00-1051	DAY		12" Inside Diameter, 20' Length, Suction Hose With Couplings.....	90.24	
01 22 23 00-1052	WK		12" Inside Diameter, 20' Length, Suction Hose With Couplings.....	196.80	
01 22 23 00-1053	MO		12" Inside Diameter, 20' Length, Suction Hose With Couplings..... <i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	590.40 -23.62	
<b>01 22 23 00-1054</b>			<b>Discharge Hose With Couplings</b> (01 22 23 00-0977) Note: Includes delivery, set-up, and removal.		
01 22 23 00-1055	DAY		1-1/2" Inside Diameter, 50' Length, Discharge Hose With Couplings.....	5.76	
01 22 23 00-1056	WK		1-1/2" Inside Diameter, 50' Length, Discharge Hose With Couplings.....	14.40	
01 22 23 00-1057	MO		1-1/2" Inside Diameter, 50' Length, Discharge Hose With Couplings..... <i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	44.16 -1.77	
01 22 23 00-1058	DAY		2" Inside Diameter, 50' Length, Discharge Hose With Couplings.....	6.72	
01 22 23 00-1059	WK		2" Inside Diameter, 50' Length, Discharge Hose With Couplings.....	16.32	
01 22 23 00-1060	MO		2" Inside Diameter, 50' Length, Discharge Hose With Couplings..... <i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	50.88 -2.04	
01 22 23 00-1061	DAY		3" Inside Diameter, 50' Length, Discharge Hose With Couplings.....	7.68	
01 22 23 00-1062	WK		3" Inside Diameter, 50' Length, Discharge Hose With Couplings.....	19.20	

<b>01</b>	<b>General Requirements</b>
<b>01 20</b>	<b>Price and Payment Procedures</b>
<b>01 22</b>	<b>Unit Prices</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1063	MO		3" Inside Diameter, 50' Length, Discharge Hose With Couplings .....	58.56	
			<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i> .....	-2.34	
01 22 23 00-1064	DAY		4" Inside Diameter, 50' Length, Discharge Hose With Couplings .....	20.16	
01 22 23 00-1065	WK		4" Inside Diameter, 50' Length, Discharge Hose With Couplings .....	51.84	
01 22 23 00-1066	MO		4" Inside Diameter, 50' Length, Discharge Hose With Couplings .....	148.80	
			<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i> .....	-5.95	
01 22 23 00-1067	DAY		6" Inside Diameter, 50' Length, Discharge Hose With Couplings .....	24.96	
01 22 23 00-1068	WK		6" Inside Diameter, 50' Length, Discharge Hose With Couplings .....	68.16	
01 22 23 00-1069	MO		6" Inside Diameter, 50' Length, Discharge Hose With Couplings .....	187.20	
			<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i> .....	-7.49	
01 22 23 00-1070	DAY		10" Inside Diameter, 10' Length, Discharge Hose With Couplings .....	19.20	
01 22 23 00-1071	WK		10" Inside Diameter, 10' Length, Discharge Hose With Couplings .....	48.00	
01 22 23 00-1072	MO		10" Inside Diameter, 10' Length, Discharge Hose With Couplings .....	144.00	
			<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i> .....	-5.76	
01 22 23 00-1073	DAY		12" Inside Diameter, 10' Length, Discharge Hose With Couplings .....	48.96	
01 22 23 00-1074	WK		12" Inside Diameter, 10' Length, Discharge Hose With Couplings .....	124.80	
01 22 23 00-1075	MO		12" Inside Diameter, 10' Length, Discharge Hose With Couplings .....	369.60	
			<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i> .....	-14.78	
<b>01 22 23 00-1076</b>			<b>Hydraulic Submersible Pumps</b> <small>(01 22 23 00-0977)</small>		
			Note: Includes delivery, set-up, and removal. Excludes operator.		
<b>01 22 23 00-1077</b>			<b>Hydraulic Submersible Pumps</b> <small>(01 22 23 00-1076)</small>		
			Note: Includes delivery, set-up, and removal. Excludes operator.		
01 22 23 00-1078	DAY		60,000 GPH, 4" Discharge, 115' Maximum Head, Hydraulic Submersible Pump .....	122.47	
01 22 23 00-1079	WK		60,000 GPH, 4" Discharge, 115' Maximum Head, Hydraulic Submersible Pump .....	328.44	
01 22 23 00-1080	MO		60,000 GPH, 4" Discharge, 115' Maximum Head, Hydraulic Submersible Pump .....	918.52	
			<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i> .....	-36.74	
01 22 23 00-1081	DAY		132,000 GPH, 6" Discharge, 90' Maximum Head, Hydraulic Submersible Pump .....	155.87	
01 22 23 00-1082	WK		132,000 GPH, 6" Discharge, 90' Maximum Head, Hydraulic Submersible Pump .....	400.81	
01 22 23 00-1083	MO		132,000 GPH, 6" Discharge, 90' Maximum Head, Hydraulic Submersible Pump .....	1,224.70	
			<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i> .....	-48.99	
<b>01 22 23 00-1084</b>			<b>Hydraulic Submersible Pump Diesel Power Packs</b> <small>(01 22 23 00-1076)</small>		
			Note: Includes delivery, set-up, and removal. Excludes operator.		
01 22 23 00-1085	DAY		100 HP, Hydraulic Submersible Pump Diesel Power Pack .....	282.98	
01 22 23 00-1086	WK		100 HP, Hydraulic Submersible Pump Diesel Power Pack .....	844.30	
01 22 23 00-1087	MO		100 HP, Hydraulic Submersible Pump Diesel Power Pack .....	2,226.72	
			<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i> .....	-89.07	
<b>01 22 23 00-1088</b>			<b>HDPE Pipe With Couplings</b> <small>(01 22 23 00-0977)</small>		
			Note: Includes delivery, set-up, and removal.		
01 22 23 00-1089	DAY		4" x 20' HDPE Pipe With Couplings .....	16.48	
01 22 23 00-1090	WK		4" x 20' HDPE Pipe With Couplings .....	39.55	
01 22 23 00-1091	MO		4" x 20' HDPE Pipe With Couplings .....	121.95	
			<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i> .....	-4.88	
01 22 23 00-1092	DAY		6" x 20' HDPE Pipe With Couplings .....	26.37	
01 22 23 00-1093	WK		6" x 20' HDPE Pipe With Couplings .....	65.92	
01 22 23 00-1094	MO		6" x 20' HDPE Pipe With Couplings .....	201.05	
			<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i> .....	-8.04	
01 22 23 00-1095	DAY		8" x 20' HDPE Pipe With Couplings .....	42.85	
01 22 23 00-1096	WK		8" x 20' HDPE Pipe With Couplings .....	112.00	
01 22 23 00-1097	MO		8" x 20' HDPE Pipe With Couplings .....	332.89	
			<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i> .....	-13.32	
01 22 23 00-1098	DAY		10" x 20' HDPE Pipe With Couplings .....	52.73	
01 22 23 00-1099	WK		10" x 20' HDPE Pipe With Couplings .....	135.13	
01 22 23 00-1100	MO		10" x 20' HDPE Pipe With Couplings .....	411.99	
			<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i> .....	-16.48	
01 22 23 00-1101	DAY		12" x 10' HDPE Pipe With Couplings .....	39.55	
01 22 23 00-1102	WK		12" x 10' HDPE Pipe With Couplings .....	108.76	
01 22 23 00-1103	MO		12" x 10' HDPE Pipe With Couplings .....	329.59	
			<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i> .....	-13.18	
01 22 23 00-1104	DAY		4" Elbow For HDPE Pipe, Quick Connect .....	39.55	
01 22 23 00-1105	WK		4" Elbow For HDPE Pipe, Quick Connect .....	102.17	
01 22 23 00-1106	MO		4" Elbow For HDPE Pipe, Quick Connect .....	303.22	
			<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i> .....	-12.13	
01 22 23 00-1107	DAY		6" Elbow For HDPE Pipe, Quick Connect .....	46.14	
01 22 23 00-1108	WK		6" Elbow For HDPE Pipe, Quick Connect .....	118.65	
01 22 23 00-1109	MO		6" Elbow For HDPE Pipe, Quick Connect .....	362.55	
			<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i> .....	-14.50	
01 22 23 00-1110	DAY		8" Elbow For HDPE Pipe, Quick Connect .....	52.73	
01 22 23 00-1111	WK		8" Elbow For HDPE Pipe, Quick Connect .....	135.13	
01 22 23 00-1112	MO		8" Elbow For HDPE Pipe, Quick Connect .....	411.99	
			<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i> .....	-16.48	
01 22 23 00-1113	DAY		10" Elbow For HDPE Pipe, Quick Connect .....	65.92	
01 22 23 00-1114	WK		10" Elbow For HDPE Pipe, Quick Connect .....	168.09	
01 22 23 00-1115	MO		10" Elbow For HDPE Pipe, Quick Connect .....	510.86	
			<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i> .....	-20.43	
01 22 23 00-1116	DAY		12" Elbow For HDPE Pipe, Quick Connect .....	65.92	
01 22 23 00-1117	WK		12" Elbow For HDPE Pipe, Quick Connect .....	168.09	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1118 MO 12" Elbow For HDPE Pipe, Quick Connect.....	510.86	
For >6 Months (>26 Weeks) , Deduct	-20.43	
01 22 23 00-1119 DAY 4" Tee For HDPE Pipe, Quick Connect .....	39.55	
01 22 23 00-1120 WK 4" Tee For HDPE Pipe, Quick Connect .....	102.17	
01 22 23 00-1121 MO 4" Tee For HDPE Pipe, Quick Connect .....	303.22	
For >6 Months (>26 Weeks) , Deduct	-12.13	
01 22 23 00-1122 DAY 6" Tee For HDPE Pipe, Quick Connect .....	52.73	
01 22 23 00-1123 WK 6" Tee For HDPE Pipe, Quick Connect .....	135.13	
01 22 23 00-1124 MO 6" Tee For HDPE Pipe, Quick Connect .....	411.99	
For >6 Months (>26 Weeks) , Deduct	-16.48	
01 22 23 00-1125 DAY 8" Tee For HDPE Pipe, Quick Connect .....	65.92	
01 22 23 00-1126 WK 8" Tee For HDPE Pipe, Quick Connect .....	168.09	
01 22 23 00-1127 MO 8" Tee For HDPE Pipe, Quick Connect .....	510.86	
For >6 Months (>26 Weeks) , Deduct	-20.43	
01 22 23 00-1128 DAY 10" Tee For HDPE Pipe, Quick Connect .....	79.10	
01 22 23 00-1129 WK 10" Tee For HDPE Pipe, Quick Connect .....	201.05	
01 22 23 00-1130 MO 10" Tee For HDPE Pipe, Quick Connect .....	609.74	
For >6 Months (>26 Weeks) , Deduct	-24.39	
01 22 23 00-1131 DAY 12" Tee For HDPE Pipe, Quick Connect .....	79.10	
01 22 23 00-1132 WK 12" Tee For HDPE Pipe, Quick Connect .....	201.05	
01 22 23 00-1133 MO 12" Tee For HDPE Pipe, Quick Connect .....	609.74	
For >6 Months (>26 Weeks) , Deduct	-24.39	
01 22 23 00-1134 DAY 4" Cap For HDPE Pipe, Quick Connect.....	6.59	
01 22 23 00-1135 WK 4" Cap For HDPE Pipe, Quick Connect .....	19.78	
01 22 23 00-1136 MO 4" Cap For HDPE Pipe, Quick Connect .....	59.33	
For >6 Months (>26 Weeks) , Deduct	-2.37	
01 22 23 00-1137 DAY 6" Cap For HDPE Pipe, Quick Connect.....	6.59	
01 22 23 00-1138 WK 6" Cap For HDPE Pipe, Quick Connect .....	19.78	
01 22 23 00-1139 MO 6" Cap For HDPE Pipe, Quick Connect .....	59.33	
For >6 Months (>26 Weeks) , Deduct	-2.37	
01 22 23 00-1140 DAY 8" Cap For HDPE Pipe, Quick Connect.....	6.59	
01 22 23 00-1141 WK 8" Cap For HDPE Pipe, Quick Connect .....	19.78	
01 22 23 00-1142 MO 8" Cap For HDPE Pipe, Quick Connect .....	59.33	
For >6 Months (>26 Weeks) , Deduct	-2.37	
01 22 23 00-1143 DAY 10" Cap For HDPE Pipe, Quick Connect.....	6.59	
01 22 23 00-1144 WK 10" Cap For HDPE Pipe, Quick Connect.....	19.78	
01 22 23 00-1145 MO 10" Cap For HDPE Pipe, Quick Connect.....	59.33	
For >6 Months (>26 Weeks) , Deduct	-2.37	
01 22 23 00-1146 DAY 12" Cap For HDPE Pipe, Quick Connect.....	6.59	
01 22 23 00-1147 WK 12" Cap For HDPE Pipe, Quick Connect.....	19.78	
01 22 23 00-1148 MO 12" Cap For HDPE Pipe, Quick Connect.....	59.33	
For >6 Months (>26 Weeks) , Deduct	-2.37	
01 22 23 00-1149 DAY 4" Wye For HDPE Pipe, Quick Connect .....	19.78	
01 22 23 00-1150 WK 4" Wye For HDPE Pipe, Quick Connect .....	49.44	
01 22 23 00-1151 MO 4" Wye For HDPE Pipe, Quick Connect .....	151.61	
For >6 Months (>26 Weeks) , Deduct	-6.06	
01 22 23 00-1152 DAY 6" Wye For HDPE Pipe, Quick Connect .....	23.07	
01 22 23 00-1153 WK 6" Wye For HDPE Pipe, Quick Connect .....	59.33	
01 22 23 00-1154 MO 6" Wye For HDPE Pipe, Quick Connect .....	181.27	
For >6 Months (>26 Weeks) , Deduct	-7.25	
01 22 23 00-1155 DAY 8" Wye For HDPE Pipe, Quick Connect .....	39.55	
01 22 23 00-1156 WK 8" Wye For HDPE Pipe, Quick Connect .....	102.17	
01 22 23 00-1157 MO 8" Wye For HDPE Pipe, Quick Connect .....	303.22	
For >6 Months (>26 Weeks) , Deduct	-12.13	
01 22 23 00-1158 DAY 10" Wye For HDPE Pipe, Quick Connect .....	59.33	
01 22 23 00-1159 WK 10" Wye For HDPE Pipe, Quick Connect .....	151.61	
01 22 23 00-1160 MO 10" Wye For HDPE Pipe, Quick Connect .....	461.43	
For >6 Months (>26 Weeks) , Deduct	-18.46	
01 22 23 00-1161 DAY 12" Wye For HDPE Pipe, Quick Connect .....	59.33	
01 22 23 00-1162 WK 12" Wye For HDPE Pipe, Quick Connect .....	151.61	
01 22 23 00-1163 MO 12" Wye For HDPE Pipe, Quick Connect .....	461.43	
For >6 Months (>26 Weeks) , Deduct	-18.46	
<b>01 22 23 00-1164 Truck And Trailer Equipment (01 22 23)</b>		
<b>01 22 23 00-1165 Trucks (01 22 23 00-1164)</b>		
Note: Includes driver, delivery, and removal.		
<b>01 22 23 00-1166 Flat Bed Trucks (01 22 23 00-1165)</b>		
Note: Includes hydraulic tilt bed.		
01 22 23 00-1167 DAY 1-1/2 Ton Capacity, 8' To 10' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver .....	1,001.64	
For Equipment Without Operator, Deduct	-727.16	
01 22 23 00-1168 WK 1-1/2 Ton Capacity, 8' To 10' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver .....	4,355.40	
For Equipment Without Operator, Deduct	-3,635.81	
01 22 23 00-1169 MO 1-1/2 Ton Capacity, 8' To 10' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver .....	17,572.72	
For Equipment Without Operator, Deduct	-15,755.19	
For >6 Months (>26 Weeks) , Deduct	-72.70	
01 22 23 00-1170 DAY 3 Ton Capacity, 12' To 16' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver .....	1,120.34	
For Equipment Without Operator, Deduct	-727.16	
01 22 23 00-1171 WK 3 Ton Capacity, 12' To 16' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver .....	4,659.56	
For Equipment Without Operator, Deduct	-3,635.81	

<b>01</b>	<b>General Requirements</b>
<b>01 20</b>	<b>Price and Payment Procedures</b>
<b>01 22</b>	<b>Unit Prices</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1172 MO 3 Ton Capacity, 12' To 16' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver .....	18,351.67	
<i>For Equipment Without Operator, Deduct</i>	-15,755.19	
<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	-103.86	
01 22 23 00-1173 DAY 6-1/2 Ton Capacity, 16' To 22' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver .....	1,205.50	
<i>For Equipment Without Operator, Deduct</i>	-727.16	
01 22 23 00-1174 WK 6-1/2 Ton Capacity, 16' To 22' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver .....	4,985.09	
<i>For Equipment Without Operator, Deduct</i>	-3,635.81	
01 22 23 00-1175 MO 6-1/2 Ton Capacity, 16' To 22' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver .....	19,590.55	
<i>For Equipment Without Operator, Deduct</i>	-15,755.19	
<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	-153.41	
<b>01 22 23 00-1176 Light Off-Road Utility Passanger Vehicles (01 22 23 00-1165)</b>		
01 22 23 00-1177 DAY 4 Wheel, 2 Person, Light Off Road Utility Passanger Vehicle.....	298.72	
01 22 23 00-1178 WK 4 Wheel, 2 Person, Light Off Road Utility Passanger Vehicle.....	690.79	
01 22 23 00-1179 MO 4 Wheel, 2 Person, Light Off Road Utility Passanger Vehicle.....	1,493.60	
<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	-59.74	
01 22 23 00-1180 DAY 4 Wheel, 4 Person, Light Off Road Utility Passanger Vehicle.....	308.06	
01 22 23 00-1181 WK 4 Wheel, 4 Person, Light Off Road Utility Passanger Vehicle.....	718.80	
01 22 23 00-1182 MO 4 Wheel, 4 Person, Light Off Road Utility Passanger Vehicle.....	1,586.95	
<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	-63.48	
<b>01 22 23 00-1183 Light Duty Trucks (01 22 23 00-1165)</b>		
01 22 23 00-1184 DAY 1/2 To 3/4 Ton, 4 x 2 Light Duty Conventional Pickup Truck With Full-Time Truck Driver.....	957.70	
<i>For Equipment Without Operator, Deduct</i>	-720.29	
01 22 23 00-1185 WK 1/2 To 3/4 Ton, 4 x 2 Light Duty Conventional Pickup Truck With Full-Time Truck Driver.....	4,380.45	
<i>For Equipment Without Operator, Deduct</i>	-3,601.45	
01 22 23 00-1186 MO 1/2 To 3/4 Ton, 4 x 2 Light Duty Conventional Pickup Truck With Full-Time Truck Driver.....	17,238.46	
<i>For Equipment Without Operator, Deduct</i>	-15,606.28	
<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	-65.29	
01 22 23 00-1187 DAY 3/4 Ton, 4 x 4 Crew Cab Pickup Truck With Full-Time Truck Driver .....	1,002.21	
<i>For Equipment Without Operator, Deduct</i>	-720.29	
01 22 23 00-1188 WK 3/4 Ton, 4 x 4 Crew Cab Pickup Truck With Full-Time Truck Driver .....	4,513.99	
<i>For Equipment Without Operator, Deduct</i>	-3,601.45	
01 22 23 00-1189 MO 3/4 Ton, 4 x 4 Crew Cab Pickup Truck With Full-Time Truck Driver .....	17,535.22	
<i>For Equipment Without Operator, Deduct</i>	-15,606.28	
<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	-77.16	
<b>01 22 23 00-1190 Boom Trucks (01 22 23 00-1165)</b>		
01 22 23 00-1191 DAY 3-1/2 Ton, 4 x 2 Boom Truck With Full-Time Truck Driver .....	1,238.29	
<i>For Equipment Without Operator, Deduct</i>	-727.16	
01 22 23 00-1192 WK 3-1/2 Ton, 4 x 2 Boom Truck With Full-Time Truck Driver .....	4,966.69	
<i>For Equipment Without Operator, Deduct</i>	-3,635.81	
01 22 23 00-1193 MO 3-1/2 Ton, 4 x 2 Boom Truck With Full-Time Truck Driver .....	19,130.61	
<i>For Equipment Without Operator, Deduct</i>	-15,755.19	
<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	-135.02	
<b>01 22 23 00-1194 Rear Dump Trucks (01 22 23 00-1165)</b>		
01 22 23 00-1195 DAY 2.5 CY Rear Dump Truck With Full-Time Truck Driver .....	1,111.00	
<i>For Equipment Without Operator, Deduct</i>	-727.16	
01 22 23 00-1196 WK 2.5 CY Rear Dump Truck With Full-Time Truck Driver .....	4,649.65	
<i>For Equipment Without Operator, Deduct</i>	-3,635.81	
01 22 23 00-1197 MO 2.5 CY Rear Dump Truck With Full-Time Truck Driver .....	18,859.31	
<i>For Equipment Without Operator, Deduct</i>	-15,755.19	
<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	-124.16	
01 22 23 00-1198 DAY 4 CY Rear Dump Truck With Full-Time Truck Driver .....	1,238.25	
<i>For Equipment Without Operator, Deduct</i>	-727.16	
01 22 23 00-1199 WK 4 CY Rear Dump Truck With Full-Time Truck Driver .....	5,043.93	
<i>For Equipment Without Operator, Deduct</i>	-3,635.81	
01 22 23 00-1200 MO 4 CY Rear Dump Truck With Full-Time Truck Driver .....	19,405.87	
<i>For Equipment Without Operator, Deduct</i>	-15,755.19	
<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	-146.03	
01 22 23 00-1201 DAY 6 CY Rear Dump Truck With Full-Time Truck Driver .....	1,311.27	
<i>For Equipment Without Operator, Deduct</i>	-727.16	
01 22 23 00-1202 WK 6 CY Rear Dump Truck With Full-Time Truck Driver .....	5,200.39	
<i>For Equipment Without Operator, Deduct</i>	-3,635.81	
01 22 23 00-1203 MO 6 CY Rear Dump Truck With Full-Time Truck Driver .....	19,510.17	
<i>For Equipment Without Operator, Deduct</i>	-15,755.19	
<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	-150.20	
01 22 23 00-1204 DAY 13 CY Rear Dump Truck With Full-Time Truck Driver .....	2,177.00	
<i>For Equipment Without Operator, Deduct</i>	-727.16	
01 22 23 00-1205 WK 13 CY Rear Dump Truck With Full-Time Truck Driver .....	6,984.00	
<i>For Equipment Without Operator, Deduct</i>	-3,635.81	
01 22 23 00-1206 MO 13 CY Rear Dump Truck With Full-Time Truck Driver .....	24,516.81	
<i>For Equipment Without Operator, Deduct</i>	-15,755.19	
<i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	-350.46	
01 22 23 00-1207 DAY 18 CY Rear Dump Truck With Full-Time Truck Driver .....	2,321.98	
<i>For Equipment Without Operator, Deduct</i>	-727.16	
01 22 23 00-1208 WK 18 CY Rear Dump Truck With Full-Time Truck Driver .....	7,318.82	
<i>For Equipment Without Operator, Deduct</i>	-3,635.81	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1209 MO 18 CY Rear Dump Truck With Full-Time Truck Driver ..... <i>For Equipment Without Operator, Deduct</i> <i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	25,392.97 -15,755.19 -385.51	
<b>01 22 23 00-1210 Under-Bridge Inspection Trucks (01 22 23 00-1165)</b>		
01 22 23 00-1211 DAY 40' Reach Under Bridge Inspection Truck (UBIT) With Full-Time Truck Driver ..... <i>For Equipment Without Operator, Deduct</i>	4,533.16 -727.16	
01 22 23 00-1212 WK 40' Reach Under Bridge Inspection Truck (UBIT) With Full-Time Truck Driver ..... <i>For Equipment Without Operator, Deduct</i>	20,608.53 -3,635.81	
01 22 23 00-1213 MO 40' Reach Under Bridge Inspection Truck (UBIT) With Full-Time Truck Driver ..... <i>For Equipment Without Operator, Deduct</i> <i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	75,921.07 -15,755.19 -2,406.64	
01 22 23 00-1214 DAY 50' Reach Under Bridge Inspection Truck (UBIT) With Full-Time Truck Driver ..... <i>For Equipment Without Operator, Deduct</i>	5,047.49 -727.16	
01 22 23 00-1215 WK 50' Reach Under Bridge Inspection Truck (UBIT) With Full-Time Truck Driver ..... <i>For Equipment Without Operator, Deduct</i>	21,637.19 -3,635.81	
01 22 23 00-1216 MO 50' Reach Under Bridge Inspection Truck (UBIT) With Full-Time Truck Driver ..... <i>For Equipment Without Operator, Deduct</i> <i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	79,802.74 -15,755.19 -2,561.90	
01 22 23 00-1217 DAY 60' Reach Under Bridge Inspection Truck (UBIT) With Full-Time Truck Driver ..... <i>For Equipment Without Operator, Deduct</i>	5,356.08 -727.16	
01 22 23 00-1218 WK 60' Reach Under Bridge Inspection Truck (UBIT) With Full-Time Truck Driver ..... <i>For Equipment Without Operator, Deduct</i>	23,180.16 -3,635.81	
01 22 23 00-1219 MO 60' Reach Under Bridge Inspection Truck (UBIT) With Full-Time Truck Driver ..... <i>For Equipment Without Operator, Deduct</i> <i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	83,684.42 -15,755.19 -2,717.17	
01 22 23 00-1220 DAY 75' Reach Under Bridge Inspection Truck (UBIT) With Full-Time Truck Driver ..... <i>For Equipment Without Operator, Deduct</i>	6,693.33 -727.16	
01 22 23 00-1221 WK 75' Reach Under Bridge Inspection Truck (UBIT) With Full-Time Truck Driver ..... <i>For Equipment Without Operator, Deduct</i>	29,352.06 -3,635.81	
01 22 23 00-1222 MO 75' Reach Under Bridge Inspection Truck (UBIT) With Full-Time Truck Driver ..... <i>For Equipment Without Operator, Deduct</i> <i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	103,092.77 -15,755.19 -3,493.50	
<b>01 22 23 00-1223 Vacuum Trucks (01 22 23 00-1165)</b>		
01 22 23 00-1224 DAY 1,500 To 2,000 Gallon Vacuum Truck With Full-Time Truck Driver ..... <i>For Equipment Without Operator, Deduct</i>	1,114.43 -727.16	
01 22 23 00-1225 WK 1,500 To 2,000 Gallon Vacuum Truck With Full-Time Truck Driver ..... <i>For Equipment Without Operator, Deduct</i>	4,790.02 -3,635.81	
01 22 23 00-1226 MO 1,500 To 2,000 Gallon Vacuum Truck With Full-Time Truck Driver ..... <i>For Equipment Without Operator, Deduct</i> <i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	19,164.67 -15,755.19 -136.38	
01 22 23 00-1227 DAY 5,000 Gallon Vacuum Truck With Full-Time Truck Driver ..... <i>For Equipment Without Operator, Deduct</i>	2,166.57 -727.16	
01 22 23 00-1228 WK 5,000 Gallon Vacuum Truck With Full-Time Truck Driver ..... <i>For Equipment Without Operator, Deduct</i>	7,970.73 -3,635.81	
01 22 23 00-1229 MO 5,000 Gallon Vacuum Truck With Full-Time Truck Driver ..... <i>For Equipment Without Operator, Deduct</i> <i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	28,547.16 -15,755.19 -511.68	
<b>01 22 23 00-1230 Water Trucks (01 22 23 00-1165)</b>		
Note: Includes pump and 1-1/2" Diameter x 50' water hose. See CSI section 01 22 23 00-1054 for additional discharge hose, 01 22 23 00-1262 for water trailer, 31 23 23 23-0001 for compaction water as required for earth/aggregate backfill.		
01 22 23 00-1231 DAY 2,000 Gallon Water Truck With Full-Time Driver ..... <i>For Equipment Without Operator, Deduct</i> <i>For Each 1,000 Gallon Of Purchased Water, Add</i>	1,410.58 -727.16 14.40	
01 22 23 00-1232 WK 2,000 Gallon Water Truck With Full-Time Driver ..... <i>For Equipment Without Operator, Deduct</i> <i>For Each 1,000 Gallon Of Purchased Water, Add</i>	5,435.47 -3,635.81 14.40	
01 22 23 00-1233 MO 2,000 Gallon Water Truck With Full-Time Driver ..... <i>For Equipment Without Operator, Deduct</i> <i>For Each 1,000 Gallon Of Purchased Water, Add</i> <i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	20,007.55 -15,755.19 14.40 -170.09	
01 22 23 00-1234 DAY 2,500 To 3,000 Gal Water Truck With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i> <i>For Each 1,000 Gallon Of Purchased Water, Add</i>	1,532.07 -727.16 14.40	
01 22 23 00-1235 WK 2,500 To 3,000 Gal Water Truck With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i> <i>For Each 1,000 Gallon Of Purchased Water, Add</i>	6,278.35 -3,635.81 14.40	
01 22 23 00-1236 MO 2,500 To 3,000 Gal Water Truck With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i> <i>For Each 1,000 Gallon Of Purchased Water, Add</i> <i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	22,338.75 -15,755.19 14.40 -263.34	
01 22 23 00-1237 DAY 3,700 To 4,000 Gallon Water Truck With Full-Time Driver ..... <i>For Equipment Without Operator, Deduct</i> <i>For Each 1,000 Gallon Of Purchased Water, Add</i>	1,744.69 -727.16 14.40	
01 22 23 00-1238 WK 3,700 To 4,000 Gallon Water Truck With Full-Time Driver ..... <i>For Equipment Without Operator, Deduct</i> <i>For Each 1,000 Gallon Of Purchased Water, Add</i>	6,437.81 -3,635.81 14.40	

<b>01</b>	<b>01</b>	<b>General Requirements</b>
	<b>01 20</b>	<b>Price and Payment Procedures</b>
	<b>01 22</b>	<b>Unit Prices</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1239	MO		3,700 To 4,000 Gallon Water Truck With Full-Time Driver ..... <i>For Equipment Without Operator, Deduct</i> <i>For Each 1,000 Gallon Of Purchased Water, Add</i> <i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	22,589.34 -15,755.19 14.40 -273.37	
<b>01 22 23 00-1240</b>			<b>Asphalt Distribution Trucks</b> (01 22 23 00-1165)		
01 22 23 00-1241	DAY		3,000 Gallon Asphalt Prime Coat Distribution Truck With Full-Time Truck Driver ..... <i>For Equipment Without Operator, Deduct</i>	1,998.69 -727.16	
01 22 23 00-1242	WK		3,000 Gallon Asphalt Prime Coat Distribution Truck With Full-Time Truck Driver ..... <i>For Equipment Without Operator, Deduct</i>	7,434.08 -3,635.81	
01 22 23 00-1243	MO		3,000 Gallon Asphalt Prime Coat Distribution Truck With Full-Time Truck Driver ..... <i>For Equipment Without Operator, Deduct</i> <i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	26,983.83 -15,755.19 -449.15	
<b>01 22 23 00-1244</b>			<b>Traffic Control Truck With Mounted Impact Attenuators/Crash Cushions And Arrow Board</b> (01 22 23 00-1165)		
01 22 23 00-1245	DAY		Traffic Control Truck With Mounted Impact Attenuator/Crash Cushion And Arrow Board With Full-Time Truck Driver ..... <i>For Equipment Without Operator, Deduct</i>	2,024.80 -720.29	
01 22 23 00-1246	WK		Traffic Control Truck With Mounted Impact Attenuator/Crash Cushion And Arrow Board With Full-Time Truck Driver ..... <i>For Equipment Without Operator, Deduct</i>	7,451.41 -3,601.45	
01 22 23 00-1247	MO		Traffic Control Truck With Mounted Impact Attenuator/Crash Cushion And Arrow Board With Full-Time Truck Driver ..... <i>For Equipment Without Operator, Deduct</i> <i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	24,955.76 -15,606.28 -373.98	
<b>01 22 23 00-1248</b>			<b>Vacuum Sweeper Trucks For Bridge Decks</b> (01 22 23 00-1165)		
01 22 23 00-1249	DAY		Vacuum Sweeper Truck, With Full-Time Truck Driver ..... <i>For Equipment Without Operator, Deduct</i>	2,166.57 -727.16	
01 22 23 00-1250	WK		Vacuum Sweeper Truck, With Full-Time Truck Driver ..... <i>For Equipment Without Operator, Deduct</i>	7,970.73 -3,635.81	
01 22 23 00-1251	MO		Vacuum Sweeper Truck, With Full-Time Truck Driver ..... <i>For Equipment Without Operator, Deduct</i> <i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	28,547.16 -15,755.19 -511.68	
<b>01 22 23 00-1252</b>			<b>Straight/Box Trucks</b> (01 22 23 00-1165)		
01 22 23 00-1253	DAY		18,000 LB Capacity, 24' Straight/Box Truck With Full-Time Truck Driver ..... Note: Includes 2,500 LB lift gate. <i>For Equipment Without Operator, Deduct</i>	844.37 -727.16	
01 22 23 00-1254	WK		18,000 LB Capacity, 24' Straight/Box Truck With Full-Time Truck Driver ..... Note: Includes 2,500 LB lift gate. <i>For Equipment Without Operator, Deduct</i>	4,221.87 -3,635.81	
01 22 23 00-1255	MO		18,000 LB Capacity, 24' Straight/Box Truck With Full-Time Truck Driver ..... Note: Includes 2,500 LB lift gate. <i>For Equipment Without Operator, Deduct</i> <i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	17,485.18 -15,755.19 -69.20	
<b>01 22 23 00-1256</b>			<b>Truck Mounted Accessories</b> (01 22 23 00-1164) Note: Includes delivery to job site and pick-up when complete.		
<b>01 22 23 00-1257</b>			<b>Truck Mounted Arrow Boards</b> (01 22 23 00-1256)		
01 22 23 00-1258	DAY		Truck Mounted Arrow Board ..... <i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	55.92 -31.72	
01 22 23 00-1259	WK		Truck Mounted Arrow Board .....	222.39	
01 22 23 00-1260	MO		Truck Mounted Arrow Board .....	792.98	
<b>01 22 23 00-1261</b>			<b>Trailers</b> (01 22 23 00-1164) Note: Includes delivery to job site and pick-up when complete.		
<b>01 22 23 00-1262</b>			<b>Water Trailers With Pump</b> (01 22 23 00-1261)		
01 22 23 00-1263	DAY		500 To 600 Gallon Water Trailer With Pump ..... <i>For &gt;6 Months (&gt;26 Weeks) , Deduct</i>	174.65 -47.99	
01 22 23 00-1264	WK		500 To 600 Gallon Water Trailer With Pump .....	448.02	
01 22 23 00-1265	MO		500 To 600 Gallon Water Trailer With Pump .....	1,199.77	
<b>01 22 23 00-1266</b>			<b>CALTRANS Equipment Rental Rates</b> (01 22 23) Note: An appropriate labor surcharge will be established by the Division of Construction for work that is determined by the resident engineer to be covered by Longshoreman and Harbor Worker's Act. (These tasks will be requested specifically by the owner for miscellaneous work not covered in the Construction Task Catalog®)		
01 22 23 00-1267	EA		CALTRANS Equipment Rental Rates, Reimbursable ..... Note: Reimbursable Fees will be paid to the contractor for eligible costs. Insert the appropriate quantity to adjust the base cost to the actual Reimbursable Fee. If there are multiple Reimbursable Fees, list each one separately and add a comment in the "note" block to identify the Reimbursable Fee. Per <a href="https://dot.ca.gov/-/media/dot-media/programs/construction/documents/equipment-rental-rates-and-labor-surcharge/book_2023.pdf">https://dot.ca.gov/-/media/dot-media/programs/construction/documents/equipment-rental-rates-and-labor-surcharge/book_2023.pdf</a> (Or use most current dated PDF)	1.00	



<b>General Requirements</b>	<b>01</b>	<b>10</b>
Price and Payment Procedures	01 20	
Unit Prices	01 22	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**01 40 Quality Requirements** <sup>(01)</sup>

**01 41 Regulatory Requirements** <sup>(01 40)</sup>

**01 41 26 Permit Requirements** <sup>(01 41)</sup>  
See CSI section 01 22 16 00-0001 for reimbursable fees.

**01 42 References** <sup>(01 40)</sup>

**01 42 13 Abbreviations and Acronyms** <sup>(01 42)</sup>

Note: For specification publishing. Review specifications for requirements.

01 42 13 00-0001 NTE Abbreviations And Acronyms.....0.00  
Note: For specification publishing. Review specifications for requirements.

**01 42 16 Definitions** <sup>(01 42)</sup>

Note: For specification publishing. Review specifications for requirements.

01 42 16 00-0001 NTE Definitions.....0.00  
Note: For specification publishing. Review specifications for requirements.

**01 42 19 Reference Standards** <sup>(01 42)</sup>

Note: For specification publishing. Review specifications for requirements.

01 42 19 00-0001 NTE Reference Standards.....0.00  
Note: For specification publishing. Review specifications for requirements.

**01 42 21 Construction Suppliers or Vendor List** <sup>(01 42)</sup>

Note: For specification publishing. Review specifications for requirements.

01 42 21 00-0001 NTE Construction Suppliers or Vendor List.....0.00  
Note: For specification publishing. Review specifications for requirements.

**01 45 Quality Control** <sup>(01 40)</sup>

Note: Refer to section specifications for testing included with other sections.

**01 45 23 Testing and Inspecting Services** <sup>(01 45)</sup>

Note: For application to existing materials/site conditions or additional testing over specifications stated tests. Includes acquisition and maintenance of sample (for laboratory tests) to include shipping as required, applicable equipment for field tests, and appropriate test reports.

**01 45 23 00-0001 Soils/Aggregate Testing** <sup>(01 45 23)</sup>

**01 45 23 00-0002 Field Soils Tests** <sup>(01 45 23 00-0001)</sup>

01 45 23 00-0003	EA	Plasticity Index Soils Test, ASTM D-4318, Field Soils Test.....	341.17
01 45 23 00-0004	EA	4" Compaction Curves Soils Test, ASTM D-1557, Field Soils Test.....	484.24
01 45 23 00-0005	EA	6" Compaction Curves Soils Test, ASTM D-1557, Field Soils Test.....	550.28
01 45 23 00-0006	EA	Resistance (R) Value Soils Test, CA 301, Field Soils Test.....	440.22
01 45 23 00-0007	EA	Soils Classification Test, ASTM D-2487, Field Soils Test.....	660.33
01 45 23 00-0008	SET	Cement Treated Base Laboratory Design, Soil Cement, Field Soils Test.....	1,320.19
01 45 23 00-0009	EA	Moisture Content, Field Soils Test.....	49.51
01 45 23 00-0010	EA	UBC Or Swell Test, Field Soils Test.....	132.07
01 45 23 00-0011	EA	Proctor Compaction 4" Standard Mold ASTM D698, Field Soils Test.....	330.05
01 45 23 00-0012	EA	Proctor Compaction 6" Standard Mold, Field Soils Test.....	412.56
01 45 23 00-0013	EA	Density And Classification Test, Field Soils Test.....	100.53
01 45 23 00-0014	EA	Percolation Test, Field Soils Test.....	251.32
01 45 23 00-0015	EA	Infiltration Test, Field Soils Test.....	502.64

**01 45 23 00-0016 Aggregate Testing** <sup>(01 45 23 00-0001)</sup>

01 45 23 00-0017	EA	Coarse Aggregate Sieve Analysis Test, ASTM C-136, CA 202.....	110.06
01 45 23 00-0018	EA	Fine Aggregate Sieve Analysis Test, ASTM C-136, CA 202.....	198.10
01 45 23 00-0019	EA	Combined Aggregate Sieve Analysis Test, ASTM C-136, CA 202.....	275.14
01 45 23 00-0020	EA	Sieve Analysis, Pit Run, ASTM C136.....	163.36
		Note: Includes wash.	
01 45 23 00-0021	EA	Specific Special Gravity, Course, ASTM C127.....	174.86
		Note: Includes absorption test.	
01 45 23 00-0022	EA	Special Gravity, Fine, ASTM C127.....	156.77
		Note: Includes absorption test.	
01 45 23 00-0023	EA	Coarse Aggregate Bulk SSD Specific Gravity Test, ASTM C-128.....	233.15
01 45 23 00-0024	EA	Fine Aggregate Bulk SSD Specific Gravity Test, ASTM C-128.....	220.11
01 45 23 00-0025	EA	Aggregate Cleanness Value, ASTM C-128, CA 227.....	220.11
01 45 23 00-0026	EA	Sand Equivalent, Average of 3 Tests, ASTM D2419, CA 217.....	165.08
01 45 23 00-0027	EA	Fine Aggregate Durability Index, CA 229.....	176.09
01 45 23 00-0028	EA	Sodium And Magnesium Soundness, ASTM C88.....	462.07
01 45 23 00-0029	EA	Los Angeles Rattler, ASTM C-131, CA 211.....	352.18
01 45 23 00-0030	EA	Los Angeles Rattler, ASTM C-535.....	352.18
01 45 23 00-0031	EA	Unit Weight Of Aggregates, ASTM C29.....	99.05
01 45 23 00-0032	EA	Organic Impurities In Sand, ASTM C40.....	99.01
01 45 23 00-0033	EA	Crushed Particle, ASTM California Test Method.....	99.01
01 45 23 00-0034	EA	Clay Lump And Friable Particles, ASTM C142.....	198.03

<b>01</b>	<b>01</b>	<b>General Requirements</b>
	<b>01 40</b>	<b>Quality Requirements</b>
	<b>01 45</b>	<b>Quality Control</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 45 23 00-0035		<b>Permeability Tests</b> <small>(01 45 23 00-0001)</small>	
01 45 23 00-0036		<b>In-Place Tests</b> <small>(01 45 23 00-0035)</small>	
01 45 23 00-0037	EA	Double Ring Infiltrometer Test, ASTM D3385.....	1,748.62
01 45 23 00-0038	EA	Unconfined Compressive Strength (Pocket Penetrometer) Test .....	82.51
01 45 23 00-0039		<b>Lab Tests</b> <small>(01 45 23 00-0035)</small>	
01 45 23 00-0040	EA	Falling Head Rigid Wall Consolidometer Technique CAE.....	816.02
01 45 23 00-0041	EA	Falling Head Permeability Test EPA-9100.....	816.02
01 45 23 00-0042	EA	Constant Head Permeability Test For Granular Soils, ASTM D2432.....	466.30
01 45 23 00-0043		<b>Concrete/Cement/Asphalt Testing</b> <small>(01 45 23)</small>	
01 45 23 00-0044		<b>Concrete Testing</b> <small>(01 45 23 00-0043)</small>	
01 45 23 00-0045	EA	Prepare 6 x 12 Concrete Cylinder And Deliver To Lab .....	24.19
01 45 23 00-0046	EA	6 x 12 Cylinder Concrete Compression Test, ASTM C-39 Or ASTM D1633 .....	69.94
01 45 23 00-0047	EA	Concrete Cores Compression Test, ASTM C-42 .....	143.07
01 45 23 00-0048	EA	6 x 6 x 18 Concrete Flexural Test, ASTM C-78 .....	209.10
01 45 23 00-0049	EA	Unit Weight Of Concrete Cylinder, ASTM C-567 .....	77.04
01 45 23 00-0050	EA	Concrete Mix Design Review .....	418.21
01 45 23 00-0051	EA	Trial Concrete Batch Prepared In Laboratory .....	990.50
01 45 23 00-0052	EA	Concrete Shrinkage, ASTM C-157 Modified .....	770.38
01 45 23 00-0053	EA	6 x 12 Concrete Cylinder Splitting Tensile Test, ASTM C-496.....	118.86
01 45 23 00-0054	EA	Concrete Slump Test, ASTM C143.....	55.03
01 45 23 00-0055	EA	Concrete Air Content Test, ASTM C138, ASTM C173, Or ASTM C231 .....	55.03
01 45 23 00-0056		<b>Cement Testing</b> <small>(01 45 23 00-0043)</small>	
01 45 23 00-0057	EA	Cement Grab Sample (CCR Title 24) .....	55.03
		Note: Includes sealing and storing 1 year.	
01 45 23 00-0058	EA	2" x 2" x 2" Cube Compression Test, All Type Materials.....	88.04
01 45 23 00-0059		<b>Asphaltic Concrete Testing</b> <small>(01 45 23 00-0043)</small>	
01 45 23 00-0060	EA	Hveem Asphaltic Concrete Stability Test, CA 366 .....	110.06
01 45 23 00-0061	EA	Marshall Asphaltic Concrete Stability Test (3 Specimens), ASTM D-6926/6927 .....	286.14
01 45 23 00-0062	EA	Stability Tests, Premixed, ASTM D1559 .....	110.06
01 45 23 00-0063	EA	Stability Tests, Lab. Mixed, ASTM D1559.....	286.14
01 45 23 00-0064	EA	Swell Test, CA 305 .....	132.07
		Note: Includes compaction.	
01 45 23 00-0065	EA	% Asphalt Extraction Test, ASTM D-2172 B .....	330.16
01 45 23 00-0066	EA	Gradation On Extracted Sample, ASTM D-5444 .....	220.11
01 45 23 00-0067	EA	Maximum Theoretical Unit Weight, ASTM C2041.....	209.84
01 45 23 00-0068	EA	Unit Weight Sample Requiring Compaction, California Test Method 308.....	44.02
01 45 23 00-0069	EA	Asphalt Unit Weight On Core Test, CA 308C.....	44.02
01 45 23 00-0070	HR	Nuclear Field Density Testing, 4 Hour Minimum .....	226.71
01 45 23 00-0071	EA	Asphalt Film Stripping Test, CTM 302/AASHTO T182/ASTM D1664 .....	113.09
01 45 23 00-0072	EA	Penetration, ASTM D5.....	158.98
01 45 23 00-0073		<b>Masonry/Concrete Block/Tile Testing</b> <small>(01 45 23)</small>	
01 45 23 00-0074		<b>Masonry Testing</b> <small>(01 45 23 00-0073)</small>	
01 45 23 00-0075	EA	2" x 4" Cylinder Mortar Compression Test .....	72.64
01 45 23 00-0076	EA	4" x 4" x 8" Grout Prisms Compression Test.....	72.64
01 45 23 00-0077	EA	Masonry Cores Compression Test .....	143.07
01 45 23 00-0078	EA	Composite Grouted Prism Compression Test.....	275.14
01 45 23 00-0079		<b>Concrete Block Testing (ASTM C140 Or CMA Per Specimen)</b> <small>(01 45 23 00-0073)</small>	
01 45 23 00-0080	EA	Up To 8" x 8" x 16" Concrete Block Compression Test, ASTM C-140 .....	176.09
01 45 23 00-0081	EA	Absorption Test, Moisture Content And Unit Weight.....	121.06
01 45 23 00-0082	EA	First Unit, Moisture Condition By Relative Humidity, ASTM C427 .....	462.07
01 45 23 00-0083	EA	Moisture Condition By Relative Humidity, ASTM C427, Additional Unit .....	231.03
01 45 23 00-0084		<b>Metals Testing</b> <small>(01 45 23)</small>	
01 45 23 00-0085		<b>Tank Tightness Testing</b> <small>(01 45 23 00-0084)</small>	
01 45 23 00-0086	GAL	Up To 20 Gallon, Hydrostatic Pressure Testing Of Air Receiving Tanks .....	7.73
01 45 23 00-0087	GAL	>20 To 120 Gallon, Hydrostatic Pressure Testing Of Air Receiving Tanks.....	6.63
01 45 23 00-0088	EA	Up To 12,000 Gallons, Tank Volumetric Tightness Testing.....	1,988.10
01 45 23 00-0089	EA	>12,000 To 29,999 Gallons, Tank Volumetric Tightness Testing.....	2,429.12
01 45 23 00-0090	EA	>29,999 Gallons, Tank Volumetric Tightness Testing.....	3,093.59
01 45 23 00-0091		<b>Tank Line Tightness Testing</b> <small>(01 45 23 00-0084)</small>	



<b>General Requirements</b>		<b>01</b>
<b>Quality Requirements</b>		<b>01 40</b>
<b>Quality Control</b>		<b>01 45</b>

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 45 23 00-0092	EA		Up To 12,000 Gallons, Tank Line Volumetric Tightness Testing .....	419.50	
01 45 23 00-0093	EA		>12,000 To 29,999 Gallons, Tank Line Volumetric Tightness Testing.....	465.81	
01 45 23 00-0094	EA		>29,999 Gallons, Tank Line Volumetric Tightness Testing.....	511.96	

**01 45 23 00-0095 Other Testing (01 45 23)**

**01 45 23 00-0096 Special Testing (01 45 23 00-0095)**

01 45 23 00-0097	EA		Asphalt Roofing Cut-out Samples, To Determine Unit Weight.....	165.02	
01 45 23 00-0098	EA		Complete Built-Up Roof Analysis, ASTM D2829 Or ASTM D3617 .....	990.15	
01 45 23 00-0099	EA		Bacteria Test (Total Coliform Bacteria And E. Coli Bacteria).....	51.43	
01 45 23 00-0100	EA		Testing For The Presence Of Polychlorinated Biphenyl (PCB) In Caulk, Analysis Per Sample.....	213.35	
01 45 23 00-0101	EA		Testing For The Presence Of Polychlorinated Biphenyl (PCB) In Soil, Analysis Per Sample.....	213.35	
01 45 23 00-0102	EA		Testing For The Presence Of Polychlorinated Biphenyl (PCB) Using Wipe Sampling, Analysis Per Sample.....	213.35	
01 45 23 00-0103	EA		Testing For The Presence Of Polychlorinated Biphenyl (PCB) In Air, Analysis Per Sample .....	1,173.42	
01 45 23 00-0104	EA		Testing And Certification Of Backflow Valves .....	516.09	

**01 45 23 00-0105 Non-destructive Field Testing Services (01 45 23 00-0095)**

**01 45 23 00-0106 Infrared Thermography (01 45 23 00-0105)**

Note: The following tasks use certified infrared (IR) thermographers, such as Stockton Infrared Thermographic Services, Inc. and United Infrared, Inc., to scan for specific problems and produce a report on the findings. The contractor is entitled to the mobilization charge and the appropriate square foot or hourly task.

**01 45 23 00-0107 Concrete Block Wall Investigation Using Infrared Thermography (01 45 23 00-0106)**

Note: For investigating issues with grouted cells, bond beams and other structural components in concrete block walls.

01 45 23 00-0108	EA		Concrete Block Wall Investigation Using Infrared Thermography, Mobilization Charge .....	2,026.82	
01 45 23 00-0109	CSF		Up To 50,000 SF, Concrete Block Wall Investigation Using Infrared Thermography.....	6.40	
			<i>For Digital Or Analog Recording Of All Items, Add</i>	0.96	
01 45 23 00-0110	CSF		>50,000 SF, Concrete Block Wall Investigation Using Infrared Thermography .....	4.27	
			<i>For Digital Or Analog Recording Of All Items, Add</i>	0.64	

**01 45 23 00-0111 Other Non-destructive Field Testing Services (01 45 23 00-0105)**

01 45 23 00-0112	HR		ASNT Certified Level I NDT Consultant.....	68.30	
01 45 23 00-0113	HR		ASNT Certified Level II NDT Consultant.....	76.20	
01 45 23 00-0114	HR		ASNT Certified Level III NDT Consultant.....	88.58	
01 45 23 00-0115	HR		Certified Industrial Radiography Radiation Safety Personnel .....	104.30	

**01 45 29 Testing Laboratory Services (01 45)**

Note: For application to existing materials/site conditions or additional testing over specifications stated tests.

**01 45 29 00-0001 Soil Borings Laboratory Tests (01 45 29)**

See CSI section 02 32 13 00-0000 for soil borings.

01 45 29 00-0002	EA		Atterberg Limits - Liquid Limits (LL) And Plastic Limits (PL), T89, T90, ASTM D4318, Soil Borings Laboratory Test.....	151.55	
01 45 29 00-0003	EA		Shrinkage Limit, Soil Borings Laboratory Test.....	48.35	
01 45 29 00-0004	EA		Unconfined Compressive Strength of Cohesive Soils, Soil Borings Laboratory Test .....	116.58	
01 45 29 00-0005	EA		Consolidation, Soil Borings Laboratory Test.....	816.02	
01 45 29 00-0006	EA		Swell Test, Soil Borings Laboratory Test.....	127.94	
01 45 29 00-0007	EA		In Place Density, Soil Borings Laboratory Test.....	34.97	
01 45 29 00-0008	EA		Moisture Content, ASTM D2216, Soil Borings Laboratory Test.....	21.72	
01 45 29 00-0009	EA		Hydrometer Analysis, Soil Borings Laboratory Test.....	280.50	
01 45 29 00-0010	EA		Specific Gravity, ASTM D854, Soil Borings Laboratory Test .....	97.79	
01 45 29 00-0011	EA		Partial Sieve Analysis, Soil Borings Laboratory Test.....	19.34	
01 45 29 00-0012	EA		Laboratory Permeability, Soil Borings Laboratory Test.....	966.98	
01 45 29 00-0013	EA		Sieve Analysis, ASTM D422, Soil Borings Laboratory Test.....	195.59	
01 45 29 00-0014	EA		Sulfate Soundness, Soil Borings Laboratory Test.....	241.74	
01 45 29 00-0015	EA		Los Angeles Abrasion, Soil Borings Laboratory Test.....	447.49	
01 45 29 00-0016	EA		Soil Bearing Ratio, ASTM D1883.....	495.25	
01 45 29 00-0017	EA		Compaction Test Subgrade, Soil Borings Laboratory Test .....	145.05	
01 45 29 00-0018	EA		Compaction Test Base Course, Soil Borings Laboratory Test.....	161.16	
01 45 29 00-0019	EA		In Place Density And Water Content Test By Nuclear Methods, ASTM D6938, Soil Borings Laboratory Test.....	345.89	
01 45 29 00-0020	EA		Field Density Sand Cone, AASHTO T-191, ASTM D1556, Soil Borings Laboratory Test.....	74.13	

**01 50 Temporary Facilities and Controls (01)**

Note: Tasks in this section shall be used as directed by owner.

**01 51 Temporary Utilities (01 50)**

**01 51 13 Temporary Electricity (01 51)**

**01 51 13 00-0001 Temporary Service Switch And/or Building Feeder Switch (01 51 13)**

Note: Includes all connections and removal after use.

01 51 13 00-0002	EA		Temporary 30 Amperes, 240 Volt, NEMA 3R, Service Switch Or Building Feeder Switch With Fuses .....	739.33	
01 51 13 00-0003	EA		Temporary 60 Amperes, 240 Volt, NEMA 3R, Service Switch Or Building Feeder Switch With Fuses .....	923.29	
01 51 13 00-0004	EA		Temporary 100 Amperes, NEMA 1 Or 3R, Disconnect Switch With Fuses .....	1,305.51	
01 51 13 00-0005	EA		Temporary 200 Amperes, NEMA 1 Or 3R, Disconnect Switch With Fuses .....	2,006.13	
01 51 13 00-0006	EA		Temporary 400 Amperes, 240 Volt, NEMA 3R, Disconnect Switch With Fuses .....	3,748.28	
01 51 13 00-0007	EA		Temporary 600 Amperes, 240 Volt, NEMA 3R, Disconnect Switch With Fuses .....	6,366.49	

<b>01</b>	<b>01</b>	<b>General Requirements</b>
	<b>01 50</b>	<b>Temporary Facilities and Controls</b>
	<b>01 51</b>	<b>Temporary Utilities</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 51 13 00-0008 EA Temporary 800 Amperes, 240 Volt, NEMA 3R, Disconnect Switch With Fuses .....	8,953.06	
01 51 13 00-0009 EA Temporary 1,200 Amperes, 240 Volt, NEMA 3R, Disconnect Switch With Fuses .....	14,504.15	
01 51 13 00-0010 EA Temporary 2,000 Amperes, 240 Volt, NEMA 3R, Disconnect Switch With Fuses .....	20,165.88	
<b>01 51 13 00-0011 Temporary 120/208 Volt Main Lug Panelboard Complete With Branch</b>		
<b>Fuses</b> <small>(01 51 13)</small>		
Note: Includes mounting on wall and removal after use.		
01 51 13 00-0012 EA Temporary 100 Amperes, Panelboard Complete With GFCI Circuit Breakers.....	1,434.08	
01 51 13 00-0013 EA Temporary 200 Amperes, Panelboard Complete With GFCI Circuit Breakers.....	1,927.18	
01 51 13 00-0014 EA Temporary 400 Amperes, Panelboard Complete With GFCI Circuit Breakers.....	3,035.65	
01 51 13 00-0015 EA Temporary 600 Amperes, Panelboard Complete With GFCI Circuit Breakers.....	4,199.64	
<b>01 51 13 00-0016 Temporary Conduit And Cable For Temporary Disconnect Switches And</b>		
<b>Temporary Panelboards</b> <small>(01 51 13)</small>		
Note: Includes all connections, fittings, supports and removal after use.		
01 51 13 00-0017 LF Temporary SER Cable (Conduit As Required) For Temporary Disconnect Switches And Temporary Panelboards .....	11.75	
01 51 13 00-0018 LF Temporary Branch Circuit Conduit And Wiring For Temporary Disconnect Switches And Temporary Panelboards .....	12.87	
<b>01 51 26 Temporary Lighting</b> <small>(01 51)</small>		
<b>01 51 26 00-0001 Temporary Lighting Devices</b> <small>(01 51 26)</small>		
Note: Includes removal after use.		
01 51 26 00-0002 EA Temporary Exit Light.....	248.83	
01 51 26 00-0003 EA Temporary 10 Light String With Cages.....	86.07	
01 51 26 00-0004 EA Temporary High Bay Light.....	317.60	
<b>01 52 Construction Facilities</b> <small>(01 50)</small>		
Note: Tasks in this section shall be used as directed by owner for owner's use.		
<b>01 52 13 Field Offices and Sheds</b> <small>(01 52)</small>		
<b>01 52 13 00-0001 Field Offices and Office Trailers</b> <small>(01 52 13)</small>		
Note: Excludes furniture, utility connections and service. Minimum 6 months rental. See CSI section 01 52 13 00-0015 for furniture, skirting, and steps.		
01 52 13 00-0002 MO 8' x 24' Mobile Office, With Toilet.....	184.67	
<i>For Each Delivery And Removal, Two Round Trips, Add</i>		
	1,205.61	
<i>For Each Set-Up (Block And Level), Add</i>		
	430.60	
<i>For Each Anchoring Into Dirt, Add</i>		
	131.31	
<i>For Each Anchoring Into Asphalt Or Concrete, Add</i>		
	196.96	
<i>For Office Trailer Without Toilet, Deduct</i>		
	-36.93	
01 52 13 00-0003 MO 8' x 32' Mobile Office, With Toilet.....	209.29	
<i>For Each Delivery And Removal, Two Round Trips, Add</i>		
	1,205.61	
<i>For Each Set-Up (Block And Level), Add</i>		
	430.60	
<i>For Each Anchoring Into Dirt, Add</i>		
	131.31	
<i>For Each Anchoring Into Asphalt Or Concrete, Add</i>		
	196.96	
<i>For Office Trailer Without Toilet, Deduct</i>		
	-41.86	
01 52 13 00-0004 MO 10' x 36' Mobile Office, With Toilet.....	283.16	
<i>For Each Delivery And Removal, Two Round Trips, Add</i>		
	1,808.41	
<i>For Each Set-Up (Block And Level), Add</i>		
	702.55	
<i>For Each Anchoring Into Dirt, Add</i>		
	131.31	
<i>For Each Anchoring Into Asphalt Or Concrete, Add</i>		
	196.96	
<i>For Office Trailer Without Toilet, Deduct</i>		
	-56.63	
01 52 13 00-0005 MO 10' x 40' Mobile Office, With Toilet.....	301.63	
<i>For Each Delivery And Removal, Two Round Trips, Add</i>		
	1,808.41	
<i>For Each Set-Up (Block And Level), Add</i>		
	702.55	
<i>For Each Anchoring Into Dirt, Add</i>		
	131.31	
<i>For Each Anchoring Into Asphalt Or Concrete, Add</i>		
	196.96	
<i>For Office Trailer Without Toilet, Deduct</i>		
	-60.33	
01 52 13 00-0006 MO 10' x 44' Mobile Office, With Toilet.....	332.40	
<i>For Each Delivery And Removal, Two Round Trips, Add</i>		
	1,808.41	
<i>For Each Set-Up (Block And Level), Add</i>		
	702.55	
<i>For Each Anchoring Into Dirt, Add</i>		
	131.31	
<i>For Each Anchoring Into Asphalt Or Concrete, Add</i>		
	196.96	
01 52 13 00-0007 MO 10' x 50' Mobile Office, With Toilet.....	350.87	
<i>For Each Delivery And Removal, Two Round Trips, Add</i>		
	1,808.41	
<i>For Each Set-Up (Block And Level), Add</i>		
	702.55	
<i>For Each Anchoring Into Dirt, Add</i>		
	131.31	
<i>For Each Anchoring Into Asphalt Or Concrete, Add</i>		
	196.96	
01 52 13 00-0008 MO 12' x 32' Mobile Office, With Toilet.....	271.46	
<i>For Each Anchoring Into Dirt, Add</i>		
	131.31	
<i>For Each Anchoring Into Asphalt Or Concrete, Add</i>		
	196.96	
<i>For Each Delivery And Removal, Two Round Trips, Add</i>		
	698.61	
<i>For Each Set-Up (Block And Level), Add</i>		
	566.58	
01 52 13 00-0009 MO 12' x 44' Mobile Office, With Toilet.....	362.94	
<i>For Each Delivery And Removal, Two Round Trips, Add</i>		
	1,808.41	
<i>For Each Set-Up (Block And Level), Add</i>		
	702.55	
<i>For Each Anchoring Into Dirt, Add</i>		
	131.31	
<i>For Each Anchoring Into Asphalt Or Concrete, Add</i>		
	196.96	



<b>General Requirements</b>			<b>01</b>
Temporary Facilities and Controls			01 50
Construction Facilities			01 52

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 52 13 00-0010 MO 12' x 50' Mobile Office, With Toilet.....	412.43	
For Each Delivery And Removal, Two Round Trips, Add	1,808.41	
For Each Set-Up (Block And Level), Add	702.55	
For Each Anchoring Into Dirt, Add	131.31	
For Each Anchoring Into Asphalt Or Concrete, Add	196.96	
01 52 13 00-0011 MO 12' x 60' Mobile Office, With Toilet.....	449.36	
For Each Delivery And Removal, Two Round Trips, Add	1,808.41	
For Each Set-Up (Block And Level), Add	702.55	
For Each Anchoring Into Dirt, Add	131.31	
For Each Anchoring Into Asphalt Or Concrete, Add	196.96	
01 52 13 00-0012 MO 24' x 60' Modular Office, With Toilet.....	984.89	
For Each Delivery And Removal, Two Round Trips, Add	3,616.83	
For Each Set-Up (Block And Level), Add	1,133.15	
For Each Anchoring Into Dirt, Add	131.31	
For Each Anchoring Into Asphalt Or Concrete, Add	196.96	
01 52 13 00-0013 MO 24' x 72' Modular Office, With Toilet.....	1,181.87	
For Each Delivery And Removal, Two Round Trips, Add	3,616.83	
For Each Set-Up (Block And Level), Add	1,133.15	
For Each Anchoring Into Dirt, Add	131.31	
For Each Anchoring Into Asphalt Or Concrete, Add	196.96	
01 52 13 00-0014 MO 30' x 30' Modular Office, With Toilet.....	561.70	
For Each Delivery And Removal, Two Round Trips, Add	3,616.83	
For Each Set-Up (Block And Level), Add	1,133.15	
For Each Anchoring Into Dirt, Add	131.31	
For Each Anchoring Into Asphalt Or Concrete, Add	196.96	
<b>01 52 13 00-0015 Accessories For Field Office Trailers (01 52 13)</b>		
Note: Costs includes installation or placement in trailer.		
01 52 13 00-0016 MO Desk For Field Office Trailer.....	56.78	
01 52 13 00-0017 MO Rolling Desk Chair For Field Office Trailer.....	35.49	
01 52 13 00-0018 MO File Cabinet For Field Office Trailer.....	42.59	
01 52 13 00-0019 MO Table For Field Office Trailer.....	28.39	
01 52 13 00-0020 MO Folding Chair For Field Office Trailer.....	13.45	
01 52 13 00-0021 EA Phone Hook-Up For Field Office Trailer.....	156.15	
01 52 13 00-0022 MO Local Phone Service Per Phone Line For Field Office Trailer.....	99.37	
01 52 13 00-0023 MO Security System With Monitoring For Field Office Trailer.....	178.91	
01 52 13 00-0024 LF Perimeter Trailer Vinyl Skirting For Field Office Trailer.....	15.76	
01 52 13 00-0025 LF Insulated Perimeter Trailer Vinyl Skirting For Field Office Trailer.....	37.33	
01 52 13 00-0026 MO Steps For Field Office Trailer.....	45.96	
01 52 13 00-0027 MO Fax Machine For Field Office Trailer.....	70.98	
01 52 13 00-0028 MO Copier For Field Office Trailer.....	113.56	
<b>01 52 13 00-0029 Storage Containers (01 52 13)</b>		
01 52 13 00-0030 MO 8' x 8' x 10' Storage Container.....	252.35	
For Each Delivery And Removal, Two Round Trips, Add	185.78	
For >12 Months, Deduct	-75.71	
01 52 13 00-0031 MO 8' x 8' x 20' Storage Container.....	263.82	
For Each Delivery And Removal, Two Round Trips, Add	204.36	
For >12 Months, Deduct	-79.15	
01 52 13 00-0032 MO 8' x 8' x 40' Storage Container.....	312.00	
For Each Delivery And Removal, Two Round Trips, Add	411.58	
For >12 Months, Deduct	-93.60	
<b>01 52 19 Sanitary Facilities (01 52)</b>		
<b>01 52 19 00-0001 Portable Toilets (01 52 19)</b>		
Note: Includes set-up, servicing once per week (unless task states otherwise) and removal.		
01 52 19 00-0002 WK Portable Chemical Toilet.....	65.20	
For Each Additional Servicing Per Unit Per Week, Add	25.00	
For Each Delivery And Set-up, Add	43.86	
01 52 19 00-0003 MO Portable Chemical Toilet.....	195.61	
For Each Additional Servicing Per Unit Per Week, Add	25.00	
For Each Delivery And Set-up, Add	43.86	
01 52 19 00-0004 WK Americans With Disabilities Act Compliant Portable Chemical Toilet.....	77.77	
For Each Additional Servicing Per Unit Per Week, Add	25.00	
For Each Delivery And Set-up, Add	43.86	
01 52 19 00-0005 MO Americans With Disabilities Act Compliant Portable Chemical Toilet.....	228.21	
For Each Additional Servicing Per Unit Per Week, Add	25.00	
For Each Delivery And Set-up, Add	43.86	
01 52 19 00-0006 WK Two Station Portable Handwash.....	54.40	
For Each Delivery And Set-up, Add	43.86	
01 52 19 00-0007 MO Two Station Portable Handwash.....	165.03	
For Each Delivery And Set-up, Add	43.86	
01 52 19 00-0008 MO 6 Station, Portable Toilets, Multi Trailer.....	4,582.08	
Note: Includes women's room (3 toilets, 2 sinks) and men's room (1 toilet, 1 urinal and 1 sink). Excludes servicing.		
For Each Delivery, Set-up And Removal, Two Round Trips, Add	1,186.63	
01 52 19 00-0009 WK Service 6 Station Trailer Restrooms, 3 Times Per Week.....	2,029.66	
For One Additional Service Per Week, Add	676.56	
Note: For one less service per week, UOM to be negative one (-1)		

<b>01</b>	<b>01</b>	<b>General Requirements</b>
	<b>01 50</b>	<b>Temporary Facilities and Controls</b>
	<b>01 53</b>	<b>Temporary Construction</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**01 53 Temporary Construction** (01 50)

**01 53 16 Temporary Decking** (01 53)

**01 53 16 00-0001 Temporary Walkways And Railings** (01 53 16)

Note: Includes removal after use.

01 53 16 00-0002	SF	Temporary Wood Walkway, 3/4" Plywood On 2 x 6 Stringers .....	7.86
01 53 16 00-0003	LF	Temporary Wooden Guardrail, 42" High, Posts, Handrail, And Intermediate Rail .....	33.40
01 53 16 00-0004	LF	Temporary Wood Guardrail Base, 12" x 12" Timber Beam.....	14.95
01 53 16 00-0005	RSR	Temporary Wood Stairs, Tread And Riser On 2" x 12" Stringers.....	26.18

**01 53 23 Temporary Ramps** (01 53)

**01 53 23 00-0001 Temporary Plywood For Wheel Barrow Access** (01 53 23)

Note: Includes removal after use.

01 53 23 00-0002	SF	Temporary Plywood For Wheel Barrow Access.....	1.59	0.50
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**01 54 Construction Aids** (01 50)

**01 54 09 Personnel Protection Equipment** (01 54)

**01 54 09 00-0001 Personnel Protection Equipment** (01 54 09)

Note: Personnel Protection Equipment (PPE) for workers safety is considered as part of the Contractor's and Workers responsibility. Includes, but are not limited to; protective work gloves, hearing protection, protective clothing, reflective vests, safety glasses or face shields, dust masks, hard hats, appropriate foot protection (slip resistant, puncture-resistant soles, safety-toed), safety harnesses with lifeline, etc. Review JOC Note and specifications for requirements.

01 54 09 00-0002	NTE	Personnel Protection Equipment .....	0.00
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Note: For specification publishing. Review specifications for requirements.

**01 54 23 Temporary Scaffolding and Platforms** (01 54)

**01 54 23 00-0001 Scaffolding** (01 54 23)

Note: Additional scaffolding rental for work above the normal working height.

**01 54 23 00-0002 Scaffolding Rental - Rental Only** (01 54 23 00-0001)

Note: Monthly rental of actual scaffolding volume rented. Scaffolding is complete with bracing, 2" thick x 12" wide scaffolding planks, scaffolding stairs (where necessary in lieu of planks), standard accessories, base leveling devices, mud sills, climbing ladders and landings, brackets, clamps and building ties, etc. See CSI section 01 54 23 00-0006 for scaffolding erection and dismantling.

01 54 23 00-0003	CCF	Scaffolding With Bracing Accessories - Area Based On 5' Wide Sections (CCF / Month).....	29.48
		For Up To 25, Add	11.79
		For >25 To 50, Add	7.37
		For >50 To 150, Add	2.95
01 54 23 00-0004	CCF	Scaffolding With Bracing Accessories - Area Based On 4' Wide Sections (CCF / Month).....	33.15
		For Up To 25, Add	13.26
		For >25 To 50, Add	8.29
		For >50 To 150, Add	3.32
01 54 23 00-0005	CCF	Scaffolding With Bracing Accessories - Area Based On 3' Wide Sections (CCF / Month).....	44.22
		For Up To 25, Add	17.69
		For >25 To 50, Add	11.06
		For >50 To 150, Add	4.42

**01 54 23 00-0006 Scaffolding Erection And Dismantling - Labor Only** (01 54 23 00-0001)

Note: Includes both initial erection and final dismantling. Excludes lifting equipment. The unit of measure is the volume of scaffolding erected. See CSI section 01 54 23 00-0002 for scaffolding rental.

01 54 23 00-0007	CCF	Up To 20' Height Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories .....	45.15
01 54 23 00-0008	CCF	>20' To 40' Height Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories .....	59.20
01 54 23 00-0009	CCF	>40' To 60' Height Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories .....	79.00
01 54 23 00-0010	CCF	>60' To 80' Height Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories .....	86.91
01 54 23 00-0011	CCF	>80' Height Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories .....	100.07
01 54 23 00-0012	CCF	Up To 20' Height Scaffolding Initial Erection And Final Dismantling Set Up On Stairs, Per CCF Of Scaffolding And Accessories .....	63.21

**01 54 23 00-0013 Heavy Duty Masonry Scaffolding Rental - Rental Only** (01 54 23 00-0001)

Note: Monthly rental of actual scaffolding volume rented. For projects over 2 stories. Scaffolding is complete with bracing, 2" thick x 12" wide scaffolding planks, scaffolding stairs (where necessary in lieu of planks), standard accessories, base leveling devices, mud sills, climbing ladders and landings, brackets, clamps, flat plate, connectors and building ties, etc. See CSI section 01 54 23 00-0019 for erection.

01 54 23 00-0014	CCF	Heavy Duty Masonry Scaffolding With Bracing Accessories - Area Based On 4' Wide Sections (CCF / Month).....	67.90
01 54 23 00-0015	CCF	Heavy Duty Masonry Scaffolding With Bracing Accessories - Area Based On 2' Wide Sections (CCF / Month).....	124.49
01 54 23 00-0016	LF	Aluminum Joists (LF / Month) .....	11.04
01 54 23 00-0017	LF	Aluminum Stringers (LF / Month) .....	15.83
01 54 23 00-0018	EA	Screw Jack With U-Plate For Stringers (EA / Month).....	19.95

**01 54 23 00-0019 Heavy Duty Masonry Scaffolding Erection And Dismantling - Labor Only** (01 54 23 00-0001)

Note: Includes both initial erection and final dismantling. Excludes lifting equipment. The unit of measure is the volume of scaffolding erected. See CSI section 01 54 23 00-0013 for scaffolding rental.





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 54 23 00-0020 CCF Up To 20' Height Heavy Duty Masonry Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories.....	84.27	
01 54 23 00-0021 CCF >20' To 40' Height Heavy Duty Masonry Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories.....	105.34	
01 54 23 00-0022 CCF >40' To 60' Height Heavy Duty Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories.....	126.41	
01 54 23 00-0023 CCF >60' To 80' Height Heavy Duty Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories.....	136.94	
01 54 23 00-0024 CCF >80' Height Heavy Duty Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories.....	152.75	
<b>01 54 23 00-0025 Scaffolding Accessories (01 54 23 00-0001)</b> See CSI section 01 54 23 00-0019 for erection.		
01 54 23 00-0026 CSF Netting for Exterior Building Scaffolding ..... Note: Includes removal after use.	40.13	
<b>01 54 23 00-0027 Rolling Scaffolding (01 54 23)</b> Note: Includes moving and relocating scaffolding on site. Excludes initial erection and final dismantling of scaffold.		
01 54 23 00-0028 DAY >14' To 20', Rolling Scaffolding, Complete With Wheels, Railings, Etc., (5' Wide X 7' Long Section) .....	12.15	
01 54 23 00-0029 WK >14' To 20', Rolling Scaffolding, Complete With Wheels, Railings, Etc., (5' Wide X 7' Long Section) .....	48.69	
01 54 23 00-0030 MO >14' To 20', Rolling Scaffolding, Complete With Wheels, Railings, Etc., (5' Wide X 7' Long Section) .....	194.74	
01 54 23 00-0031 DAY >20' To 40', Rolling Scaffolding, Complete With Wheels, Railings, Etc., (5' Wide X 7' Long Section) .....	20.34	
01 54 23 00-0032 WK >20' To 40', Rolling Scaffolding, Complete With Wheels, Railings, Etc., (5' Wide X 7' Long Section) .....	81.47	
01 54 23 00-0033 MO >20' To 40', Rolling Scaffolding, Complete With Wheels, Railings, Etc., (5' Wide X 7' Long Section) .....	325.91	
01 54 23 00-0034 EA >14' To 20', Rolling Scaffolding Initial Erection And Final Dismantling For Each Scaffold.....	103.48	
01 54 23 00-0035 EA >20' To 40', Rolling Scaffolding Initial Erection And Final Dismantling For Each Scaffold.....	129.35	
<b>01 54 23 00-0036 Shoring Posts (01 54 23)</b>		
01 54 23 00-0037 DAY 6'-6" To 11' Extension, 5,000 LB Capacity, Steel Shoring Post .....	2.07	
01 54 23 00-0038 WK 6'-6" To 11' Extension, 5,000 LB Capacity, Steel Shoring Post .....	8.30	
01 54 23 00-0039 MO 6'-6" To 11' Extension, 5,000 LB Capacity, Steel Shoring Post .....	24.89	
01 54 23 00-0040 EA Initial Erection And Final Dismantling For Each Shoring Post .....	8.28	
For >20 To 50, Deduct	-1.24	
For >50 To 100, Deduct	-2.90	
For >100, Deduct	-4.55	
<b>01 54 23 00-0041 Temporary Lumber, Single Use (01 54 23)</b> Note: Includes removal after use.		
01 54 23 00-0042 SF 5/16" CD Grade Plywood, Temporary Lumber .....	2.46	
01 54 23 00-0043 SF 1/2" CD Grade Plywood, Temporary Lumber .....	2.92	
01 54 23 00-0044 SF 5/8" CD Grade Plywood, Temporary Lumber .....	3.08	
01 54 23 00-0045 SF 3/4" CD Grade Plywood, Temporary Lumber .....	3.39	
01 54 23 00-0046 SF 1" CD Grade Plywood, Temporary Lumber .....	4.95	
01 54 23 00-0047 LF 2" x 4" Temporary Lumber .....	2.92	
01 54 23 00-0048 LF 2" x 6" Temporary Lumber .....	3.65	
01 54 23 00-0049 LF 2" x 8" Temporary Lumber .....	4.37	
01 54 23 00-0050 LF 2" x 10" Temporary Lumber .....	5.12	
01 54 23 00-0051 LF 2" x 12" Temporary Lumber .....	5.84	
01 54 23 00-0052 LF 3" x 8" Temporary Lumber .....	5.84	
01 54 23 00-0053 LF 3" x 10" Temporary Lumber .....	6.93	
01 54 23 00-0054 LF 3" x 12" Temporary Lumber .....	8.03	
01 54 23 00-0055 LF 4" x 4" Temporary Lumber .....	3.81	
01 54 23 00-0056 LF 4" x 6" Temporary Lumber .....	5.37	
01 54 23 00-0057 LF 6" x 6" Temporary Lumber .....	6.94	
01 54 23 00-0058 LF 6" x 8" Temporary Lumber .....	8.96	
01 54 23 00-0059 LF 12" x 12" Temporary Lumber .....	21.17	
<b>01 54 23 00-0060 Temporary Precast Concrete Blocks (01 54 23)</b> Note: Includes removal after use.		
01 54 23 00-0061 EA 2' x 2' x 2' Temporary Precast Concrete (Ecology) Block .....	121.91	
Note: Includes removal after use.		
01 54 23 00-0062 EA 2' x 2' x 4' Temporary Precast Concrete (Ecology) Block .....	152.39	
Note: Includes removal after use.		
01 54 23 00-0063 EA 2' x 2' x 8' Temporary Precast Concrete (Ecology) Block .....	202.26	
Note: Includes removal after use.		
<b>01 54 26 Temporary Swing Staging (01 54)</b> Note: Up to one month rental. Includes connection to existing electrical outlet on roof, all necessary safety equipment for personnel and anchoring to existing roof anchors. Excludes installing roof anchors.		
<b>01 54 26 00-0001 Swing Stage (01 54 26)</b> Note: Up to one month rental. Includes connection to existing electrical outlet on roof, and all necessary safety equipment for personnel. Excludes installing roof anchors.		
01 54 26 00-0002 MO 7' Swing Stage, Electric Operated .....	2,984.71	
01 54 26 00-0003 MO 10' Swing Stage, Electric Operated .....	3,133.94	
01 54 26 00-0004 MO 14' Swing Stage, Electric Operated .....	3,283.18	

<b>01</b>	<b>General Requirements</b>
<b>01 50</b>	<b>Temporary Facilities and Controls</b>
<b>01 54</b>	<b>Construction Aids</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 54 26 00-0005 MO 20' Swing Stage, Electric Operated .....	3,432.41	
01 54 26 00-0006 MO 24' Swing Stage, Electric Operated .....	3,581.65	
01 54 26 00-0007 MO 30' Swing Stage, Electric Operated .....	3,730.88	
01 54 26 00-0008 MO 42' Swing Stage, Electric Operated .....	3,880.12	
01 54 26 00-0009 MO 12' Swing Stage, Manually Operated .....	860.69	
01 54 26 00-0010 MO 24' Swing Stage, Manually Operated .....	1,075.86	
01 54 26 00-0011 EA Swing Stage Platform From Hooks, Erection And Dismantling .....	4,411.75	
Note: Includes both initial erection and final dismantling of platform. Excludes anchors or temporary roof mounted outrigger system.		
01 54 26 00-0012 EA Swing Stage Platform And Temporary Roof Mounted Outrigger System Erection And Dismantling .....	6,130.88	
Note: Includes both initial erection and final dismantling of temporary roof mounted outrigger system.		
01 54 26 00-0013 EA Move Swing Stage Platform From Hooks To Different Location At Same Roof .....	2,319.80	
01 54 26 00-0014 EA Move Swing Stage Platform and Temporary Roof Mounted Outrigger System To Different Location At Same Roof .....	3,231.14	

## 01 55 Vehicular Access and Parking (01 50)

### 01 55 23 Temporary Roads (01 55)

#### 01 55 23 00-0001 Temporary Stabilized Construction Entrance (01 55 23)

Note: As per Caltrans detail.

01 55 23 00-0002 SF 3" To 4" Rock Temporary Stabilized Construction Entrance Assembly .....	3.08	
Note: Includes up to 12" excavation of pit, hauling and disposal of soil, filter fabric at base and sides, filled with rock, and compaction.		
01 55 23 00-0003 SF >4" To 6" Rock Temporary Stabilized Construction Entrance Assembly .....	4.04	
Note: Includes up to 12" excavation of pit, hauling and disposal of soil, filter fabric at base and sides, filled with rock, and compaction.		

#### 01 55 23 00-0004 Rumble Trench Plate (01 55 23)

01 55 23 00-0005 MO 8' x 10' Steel Rumble Trench Plate Rental .....	398.66	
01 55 23 00-0006 EA Placement And Removal Of Rumble Plate .....	92.24	
Note: If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rentals tasks, 01 71 13 00-0000 for mobilization tasks.		
01 55 23 00-0007 EA Relocate And Adjust Location Of Rumble Plate .....	23.06	
Note: If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rentals tasks, 01 71 13 00-0000 for mobilization tasks.		

#### 01 55 23 00-0008 Temporary Road Ramps (Godwin) (01 55 23)

Note: Excludes asphalt and gravel.

01 55 23 00-0009 EA 4" Pipeline, 12' Passable Vehicle Width, Temporary Road Ramp (Godwin) .....	4,870.19	207.77
01 55 23 00-0010 EA 6" Pipeline, 12' Passable Vehicle Width, Temporary Road Ramp (Godwin) .....	6,627.41	311.66
01 55 23 00-0011 EA 8" Pipeline, 12' Passable Vehicle Width, Temporary Road Ramp (Godwin) .....	9,159.34	415.55
01 55 23 00-0012 EA 12" Pipeline, 12' Passable Vehicle Width, Temporary Road Ramp (Godwin) .....	19,051.12	519.44
01 55 23 00-0013 EA 24" Pipeline, 15' Passable Vehicle Width, Temporary Road Ramp (Godwin) .....	27,974.50	623.33

### 01 55 26 Traffic Control (01 55)

#### 01 55 26 00-0001 Temporary Removable Preformed Traffic Black Line Mask (01 55 26)

Note: Includes installation and removal after use.

01 55 26 00-0002 LF 6" Removable Traffic Black Line Mask .....	5.08	
01 55 26 00-0003 LF 8" Removable Traffic Black Line Mask .....	6.16	

#### 01 55 26 00-0004 Temporary Preformed Traffic Line Tape (01 55 26)

Note: Includes installation and removal after use.

01 55 26 00-0005 LF 4" Reflective Removable Traffic Line Tape .....	5.14	
01 55 26 00-0006 LF 6" Reflective Removable Traffic Line Tape .....	7.03	
01 55 26 00-0007 LF 8" Reflective Removable Traffic Line Tape .....	8.85	

#### 01 55 26 00-0008 Temporary Painted Traffic Lines (01 55 26)

Note: Includes installation and removal after use.

01 55 26 00-0009 LF 4" Temporary Painted Traffic Lines .....	2.26	
For Not Removed, Deduct .....	-1.56	
01 55 26 00-0010 LF 6" Temporary Painted Traffic Lines .....	2.98	
For Not Removed, Deduct .....	-2.13	
01 55 26 00-0011 LF 8" Temporary Painted Traffic Lines .....	3.73	
For Not Removed, Deduct .....	-2.69	
01 55 26 00-0012 EA 2" High x 2" Wide Temporary Overlay Pavement Markers, "L" With Factory-Applied Adhesive Pad .....	3.03	
01 55 26 00-0013 EA 2" High x 4" Wide Temporary Overlay Pavement Markers, "L" With Factory-Applied Adhesive Pad .....	3.06	

#### 01 55 26 00-0014 Temporary Pedestrian Traffic Control (01 55 26)

01 55 26 00-0015 CLF 1", 4 Mil Polyethylene Printed Barricade Tape, Fluorescent Orange .....	9.61	
01 55 26 00-0016 CLF 2", 4 Mil Polyethylene Printed Barricade Tape, Fluorescent Orange .....	12.52	
01 55 26 00-0017 CLF 3/4", 4 Mil Polyethylene Printed Barricade Tape, Fluorescent Yellow .....	7.61	
01 55 26 00-0018 CLF 2", 4 Mil Polyethylene Printed Barricade Tape, Fluorescent Yellow .....	9.31	
01 55 26 00-0019 CLF 3", 4 Mil Polyethylene Printed Barricade Tape, Non-Fluorescent .....	10.09	
01 55 26 00-0020 CLF 6", 4 Mil Polyethylene Printed Barricade Tape, Non-Fluorescent .....	13.76	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 55 26 00-0021 CLF 1" Exterior Vinyl Tape (Warning Tape) .....	11.33	
01 55 26 00-0022 CLF 2" Exterior Vinyl Tape (Warning Tape) .....	15.79	
01 55 26 00-0023 CLF 3" Exterior Vinyl Tape (Warning Tape) .....	19.71	
01 55 26 00-0024 CLF 4" Exterior Vinyl Tape (Warning Tape) .....	23.05	
<b>01 55 26 00-0025 Linear Delineation System, Temporary Or Permanent</b> <small>(01 55 26)</small>		
<small>Note: High visibility reflective sheeting strips. Scotchlite as manufactured by 3M.</small>		
01 55 26 00-0026 LF 4" Linear Delineation System .....	11.15	
01 55 26 00-0027 LF 6" Linear Delineation System .....	15.14	
<b>01 55 26 00-0028 Temporary Traffic Protection</b> <small>(01 55 26)</small>		
<b>01 55 26 00-0029 Temporary Portable Traffic Control Device Usage</b> <small>(01 55 26 00-0028)</small>		
<small>Note: Excludes placing and removing devices. See CSI section 01 55 26 00-0105 for delivery, placing and removal.</small>		
01 55 26 00-0030 DAY 28" Cone With Reflective Collar .....	0.86	
01 55 26 00-0031 WK 28" Cone With Reflective Collar .....	2.57	
01 55 26 00-0032 MO 28" Cone With Reflective Collar .....	7.70	
01 55 26 00-0033 DAY Vertical Panel .....	2.59	
01 55 26 00-0034 WK Vertical Panel .....	7.76	
01 55 26 00-0035 MO Vertical Panel .....	23.27	
01 55 26 00-0036 DAY Channelizer Drum .....	2.81	
01 55 26 00-0037 WK Channelizer Drum .....	8.42	
01 55 26 00-0038 MO Channelizer Drum .....	25.26	
01 55 26 00-0039 DAY Stackable Channelizer Panel .....	1.33	
01 55 26 00-0040 WK Stackable Channelizer Panel .....	3.98	
01 55 26 00-0041 MO Stackable Channelizer Panel .....	11.95	
01 55 26 00-0042 DAY Type I Barricade, Up To 3' Wide With Reflective Rail Each Side .....	1.84	
01 55 26 00-0043 WK Type I Barricade, Up To 3' Wide With Reflective Rail Each Side .....	5.51	
01 55 26 00-0044 MO Type I Barricade, Up To 3' Wide With Reflective Rail Each Side .....	16.54	
01 55 26 00-0045 DAY Type II Barricade, Up To 3' Wide With Two Reflective Rails Each Side .....	4.07	
01 55 26 00-0046 WK Type II Barricade, Up To 3' Wide With Two Reflective Rails Each Side .....	12.22	
01 55 26 00-0047 MO Type II Barricade, Up To 3' Wide With Two Reflective Rails Each Side .....	36.66	
01 55 26 00-0048 DAY Type III Barricade, Up To 5' Wide With Three Reflective Rails .....	4.64	
01 55 26 00-0049 WK Type III Barricade, Up To 5' Wide With Three Reflective Rails .....	13.93	
01 55 26 00-0050 MO Type III Barricade, Up To 5' Wide With Three Reflective Rails .....	41.79	
01 55 26 00-0051 DAY Type III Barricade, >5' To 10' Wide With Three Reflective Rails .....	8.49	
01 55 26 00-0052 WK Type III Barricade, >5' To 10' Wide With Three Reflective Rails .....	25.48	
01 55 26 00-0053 MO Type III Barricade, >5' To 10' Wide With Three Reflective Rails .....	76.43	
01 55 26 00-0054 DAY Up To 10' Wide A Frame Barricade .....	4.66	
01 55 26 00-0055 WK Up To 10' Wide A Frame Barricade .....	13.97	
01 55 26 00-0056 MO Up To 10' Wide A Frame Barricade .....	41.92	
01 55 26 00-0057 DAY Type A Or C Flasher .....	0.95	
01 55 26 00-0058 WK Type A Or C Flasher .....	2.85	
01 55 26 00-0059 MO Type A Or C Flasher .....	8.54	
01 55 26 00-0060 DAY Type B Flasher (High Intensity) .....	5.15	
01 55 26 00-0061 WK Type B Flasher (High Intensity) .....	15.45	
01 55 26 00-0062 MO Type B Flasher (High Intensity) .....	46.35	
<b>01 55 26 00-0063 Temporary Traffic Barriers Usage</b> <small>(01 55 26 00-0028)</small>		
<small>Note: Excludes placing and removing devices. See CSI section 01 55 26 00-0105 for delivery, placing and removal.</small>		
01 55 26 00-0064 DAY 6' Long Portable Parking Curbs .....	2.22	
01 55 26 00-0065 WK 6' Long Portable Parking Curbs .....	6.65	
01 55 26 00-0066 MO 6' Long Portable Parking Curbs .....	19.96	
01 55 26 00-0067 DAY 6' Long Portable Speed Bumps .....	6.56	
01 55 26 00-0068 WK 6' Long Portable Speed Bumps .....	19.69	
01 55 26 00-0069 MO 6' Long Portable Speed Bumps .....	59.08	
01 55 26 00-0070 DAY Up To 12.5' Concrete Traffic Barrier .....	15.77	
01 55 26 00-0071 WK Up To 12.5' Concrete Traffic Barrier .....	47.31	
01 55 26 00-0072 MO Up To 12.5' Concrete Traffic Barrier .....	141.93	
01 55 26 00-0073 DAY >12.5' To 20' Concrete Traffic Barrier .....	31.54	
01 55 26 00-0074 WK >12.5' To 20' Concrete Traffic Barrier .....	94.62	
01 55 26 00-0075 MO >12.5' To 20' Concrete Traffic Barrier .....	283.86	
01 55 26 00-0076 DAY 6' x 32" Tall Plastic Water Barrier .....	18.83	
01 55 26 00-0077 WK 6' x 32" Tall Plastic Water Barrier .....	56.50	
01 55 26 00-0078 MO 6' x 32" Tall Plastic Water Barrier .....	169.49	
01 55 26 00-0079 DAY 6' x 46" Tall Plastic Water Barrier .....	26.89	
01 55 26 00-0080 WK 6' x 46" Tall Plastic Water Barrier .....	80.67	
01 55 26 00-0081 MO 6' x 46" Tall Plastic Water Barrier .....	242.01	
01 55 26 00-0082 DAY Sand Filled Crash Attenuator Barrels .....	10.53	
01 55 26 00-0083 WK Sand Filled Crash Attenuator Barrels .....	31.58	
01 55 26 00-0084 MO Sand Filled Crash Attenuator Barrels .....	94.73	
01 55 26 00-0085 MO 24" Wide x 32" High x 32' Long, Anchorless Water Filler, Non-Redirective, Bi-Directional Impact Attenuator (ABSORB 350® BARRIER) .....	1,493.60	
<small>Note: Consists of 8 bays with nose piece at the front of the system.</small>		

<b>01</b>	<b>01</b>	<b>General Requirements</b>
	<b>01 50</b>	<b>Temporary Facilities and Controls</b>
	<b>01 55</b>	<b>Vehicular Access and Parking</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>01 55 26 00-0086</b>	<b>Temporary Portable Signs And Message Displays Usage</b> <small>(01 55 26 00-0028)</small>	
	Note: Excludes placing and removing devices. See CSI section 01 55 26 00-0105 for delivery, placing and removal.	
01 55 26 00-0087	DAY Mesh Or Vinyl Roll-up Sign With Stand .....	8.26
01 55 26 00-0088	WK Mesh Or Vinyl Roll-up Sign With Stand .....	24.79
01 55 26 00-0089	MO Mesh Or Vinyl Roll-up Sign With Stand .....	74.37
01 55 26 00-0090	DAY Aluminum Sign And Post .....	4.12
01 55 26 00-0091	WK Aluminum Sign And Post .....	12.35
01 55 26 00-0092	MO Aluminum Sign And Post .....	37.06
01 55 26 00-0093	DAY Aluminum Sign And A Frame Stand .....	6.25
01 55 26 00-0094	WK Aluminum Sign And A Frame Stand .....	18.74
01 55 26 00-0095	MO Aluminum Sign And A Frame Stand .....	56.23
01 55 26 00-0096	DAY Trailer Mounted Flashing Arrow Board .....	154.67
01 55 26 00-0097	WK Trailer Mounted Flashing Arrow Board .....	428.09
01 55 26 00-0098	MO Trailer Mounted Flashing Arrow Board .....	1,132.38
01 55 26 00-0099	DAY Trailer Mounted Portable Variable Message Sign (PVMS) .....	339.99
01 55 26 00-0100	WK Trailer Mounted Portable Variable Message Sign (PVMS) .....	906.64
01 55 26 00-0101	MO Trailer Mounted Portable Variable Message Sign (PVMS) .....	1,813.28
01 55 26 00-0102	DAY Two Head, Trailer Mounted Traffic Signal System (Set Of Two) .....	1,405.67
	Note: Consists of a set of two communicating trailers. Each with two LED traffic light head, solar panels and a battery bank, mounted on a heavy-duty towable trailer.	
01 55 26 00-0103	WK Two Head, Trailer Mounted Traffic Signal System (Set Of Two) .....	4,217.01
	Note: Consists of a set of two communicating trailers. Each with two LED traffic light head, solar panels and a battery bank, mounted on a heavy-duty towable trailer.	
01 55 26 00-0104	MO Two Head, Trailer Mounted Traffic Signal System (Set Of Two) .....	12,651.03
	Note: Consists of a set of two communicating trailers. Each with two LED traffic light head, solar panels and a battery bank, mounted on a heavy-duty towable trailer.	

<b>01 55 26 00-0105</b>	<b>Place And Remove Temporary Traffic Protection Using Truck</b> <small>(01 55 26 00-0028)</small>	
	Note: Includes delivery and return up to 15 miles. See CSI section 01 74 19 00-0055 for delivery >15 miles.	
01 55 26 00-0106	EA Placement And Removal Of Up To 250 Cones Using Truck .....	3.62
01 55 26 00-0107	EA Placement And Removal Of >250 Cones Using Truck .....	3.18
01 55 26 00-0108	EA Placement And Removal Of Up To 250 Panels/Channelizers Using Truck .....	5.98
01 55 26 00-0109	EA Placement And Removal Of >250 Panels/Channelizers Using Truck .....	4.98
01 55 26 00-0110	EA Placement And Removal Of Up To 250 Barricades Using Truck .....	9.06
01 55 26 00-0111	EA Placement And Removal Of >250 Barricades Using Truck .....	7.26
01 55 26 00-0112	EA Placement And Removal Of Curbs/Speed Bumps Using Truck .....	9.06
01 55 26 00-0113	EA Placement And Removal Of Portable Sign And Stand Using Truck .....	5.44
01 55 26 00-0114	EA Placement And Removal Of Aluminum Sign And Post Using Truck .....	22.66
01 55 26 00-0115	EA Placement And Removal Of Trailer Mounted Boards And Signals Using Truck .....	67.99
01 55 26 00-0116	EA Placement And Removal Of Up To 12.5' Concrete Traffic Barrier .....	92.24
	Note: If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rentals tasks, 01 71 13 00-0000 for mobilization tasks.	
	For 1 Barrier, Add	230.60
	For 2 Barriers, Add	83.02
	For 3 Barriers, Add	27.67
01 55 26 00-0117	EA Placement And Removal Of >12.5' Concrete Traffic Barrier .....	138.37
	Note: If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rentals tasks, 01 71 13 00-0000 for mobilization tasks.	
	For 1 Barrier, Add	345.93
	For 2 Barriers, Add	124.53
	For 3 Barriers, Add	41.51
01 55 26 00-0118	EA Placement And Removal Of Plastic Water Barrier .....	53.32
	Note: Includes water. If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for Equipment Usage, 01 71 13 00-0000 for mobilization tasks.	
	For 1 Barrier, Add	115.30
	For 2 Barriers, Add	41.51
	For 3 Barriers, Add	13.84
01 55 26 00-0119	EA Placement And Removal Of Crash Attenuator Barrels .....	69.18
	Note: If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rentals tasks, 01 71 13 00-0000 for mobilization tasks.	
	For 1 Barrier, Add	172.95
	For 2 Barriers, Add	62.26
	For 3 Barriers, Add	20.75
01 55 26 00-0120	EA Placement And Removal Of 24" Wide x 32" High x 32' Long, Anchorless Water Filler, Non-Redirective, Bi-Directional Impact Attenuator (ABSORB 350® BARRIER) .....	507.35
	Note: Consists of 8 bays with nose piece at the front of the system attached and anchored in accordance with the manufactures instructions. Includes water. If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rental tasks, 01 71 13 00-0000 for mobilization.	

<b>01 55 26 00-0121</b>	<b>Place And Remove Temporary Traffic Protection From Roadside (Daily)</b> <small>(01 55 26 00-0028)</small>	
01 55 26 00-0122	EA Placement And Removal Of Up To 250 Cones By Hand From Roadside .....	2.26
01 55 26 00-0123	EA Placement And Removal Of >250 Cones By Hand From Roadside .....	1.82
01 55 26 00-0124	EA Placement And Removal Of Up To 250 Panels/Channelizers By Hand From Roadside .....	3.02
01 55 26 00-0125	EA Placement And Removal Of >250 Panels/Channelizers By Hand From Roadside .....	2.41
01 55 26 00-0126	EA Placement And Removal Of Up To 250 Barricades By Hand From Roadside .....	4.54
01 55 26 00-0127	EA Placement And Removal Of >250 Barricades By Hand From Roadside .....	3.62
01 55 26 00-0128	EA Placement And Removal Of Portable Sign And Stand From Roadside .....	2.68
01 55 26 00-0129	EA Placement And Removal Of Trailer Mounted Boards And Signals From Roadside .....	33.99



<b>General Requirements</b>		<b>01</b>
<b>Temporary Facilities and Controls</b>		<b>01 50</b>
<b>Vehicular Access and Parking</b>		<b>01 55</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 55 26 00-0130 EA Roadside Relocation Of Concrete Traffic Barrier..... Note: Excludes flatbed truck. If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rentals tasks, 01 71 13 00-0000 for mobilization tasks.	46.12	
<b>01 55 26 00-0131 Place And Remove Temporary Signs For Detours (01 55 26 00-0028)</b>		
<b>01 55 26 00-0132 Temporary Reflectorized Signs For Detours (01 55 26 00-0131)</b> Note: Excludes posts.		
<b>01 55 26 00-0133 Temporary Aluminum Engineer Grade Stop Signs For Detours (01 55 26 00-0132)</b>		
01 55 26 00-0134 EA Temporary 18" x 18" Aluminum Engineer Grade Stop Sign For Detours..... For Hi-Intensity Grade, Add For Diamond Grade, Add	79.09 6.95 13.21	
01 55 26 00-0135 EA Temporary 18" x 24" Aluminum Engineer Grade Stop Sign For Detours..... For Hi-Intensity Grade, Add For Diamond Grade, Add	89.33 9.09 17.27	
01 55 26 00-0136 EA Temporary 24" x 24" Aluminum Engineer Grade Stop Sign For Detours..... For Hi-Intensity Grade, Add For Diamond Grade, Add	96.01 13.89 22.02	
01 55 26 00-0137 EA Temporary 30" x 30" Aluminum Engineer Grade Stop Sign For Detours..... For Hi-Intensity Grade, Add For Diamond Grade, Add	108.63 5.21 28.20	
01 55 26 00-0138 EA Temporary 36" x 36" Aluminum Engineer Grade Stop Sign For Detours..... For Hi-Intensity Grade, Add For Diamond Grade, Add	137.87 15.29 47.97	
<b>01 55 26 00-0139 Other Temporary Reflectorized Traffic Signs For Detours (01 55 26 00-0132)</b> Note: Other traffic signs includes reserve, handicap, visitor, no parking, property, speed limit, tow away, ADA, parking time limit, parking exclusive area, school, traffic/caution, etc. Excludes posts.		
<b>01 55 26 00-0140 Temporary Aluminum Engineer Grade Traffic Signs For Detours (01 55 26 00-0139)</b>		
01 55 26 00-0141 EA Temporary 6" x 12" Aluminum Engineer Grade Traffic Sign For Detours ..... For Hi-Intensity Grade, Add	55.45 1.72	
01 55 26 00-0142 EA Temporary 6" x 18" Aluminum Engineer Grade Traffic Sign For Detours ..... For Hi-Intensity Grade, Add	58.32 2.58	
01 55 26 00-0143 EA Temporary 9" x 12" Aluminum Engineer Grade Traffic Sign For Detours ..... For Hi-Intensity Grade, Add	58.32 2.58	
01 55 26 00-0144 EA Temporary 9" x 15" Aluminum Engineer Grade Traffic Sign For Detours ..... For Hi-Intensity Grade, Add	60.47 3.23	
01 55 26 00-0145 EA Temporary 9" x 18" Aluminum Engineer Grade Traffic Sign For Detours ..... For Hi-Intensity Grade, Add	62.63 3.88	
01 55 26 00-0146 EA Temporary 9" x 24" Aluminum Engineer Grade Traffic Sign For Detours ..... For Hi-Intensity Grade, Add	70.04 5.17	
01 55 26 00-0147 EA Temporary 9" x 48" Aluminum Engineer Grade Traffic Sign For Detours ..... For Hi-Intensity Grade, Add	87.26 10.33	
01 55 26 00-0148 EA Temporary 12" x 12" Aluminum Engineer Grade Traffic Sign For Detours ..... For Hi-Intensity Grade, Add	61.19 3.44	
01 55 26 00-0149 EA Temporary 12" x 18" Aluminum Engineer Grade Traffic Sign For Detours ..... For Hi-Intensity Grade, Add	70.04 5.17	
01 55 26 00-0150 EA Temporary 12" x 24" Aluminum Engineer Grade Traffic Sign For Detours ..... For Hi-Intensity Grade, Add	75.78 6.89	
01 55 26 00-0151 EA Temporary 12" x 30" Aluminum Engineer Grade Traffic Sign For Detours ..... For Hi-Intensity Grade, Add	81.52 8.61	
01 55 26 00-0152 EA Temporary 12" x 36" Aluminum Engineer Grade Traffic Sign For Detours ..... For Hi-Intensity Grade, Add	87.26 10.33	
01 55 26 00-0153 EA Temporary 18" x 18" Aluminum Engineer Grade Traffic Sign For Detours ..... For Hi-Intensity Grade, Add	78.65 7.75	
01 55 26 00-0154 EA Temporary 18" x 24" Aluminum Engineer Grade Traffic Sign For Detours ..... For Hi-Intensity Grade, Add	87.26 10.33	
01 55 26 00-0155 EA Temporary 18" x 30" Aluminum Engineer Grade Traffic Sign For Detours ..... For Hi-Intensity Grade, Add	98.98 12.92	
01 55 26 00-0156 EA Temporary 18" x 36" Aluminum Engineer Grade Traffic Sign For Detours ..... For Hi-Intensity Grade, Add	107.59 15.50	
01 55 26 00-0157 EA Temporary 18" x 54" Aluminum Engineer Grade Traffic Sign For Detours ..... For Hi-Intensity Grade, Add	145.85 23.25	
01 55 26 00-0158 EA Temporary 24" x 24" Aluminum Engineer Grade Traffic Sign For Detours ..... For Hi-Intensity Grade, Add	101.85 13.78	
01 55 26 00-0159 EA Temporary 24" x 30" Aluminum Engineer Grade Traffic Sign For Detours ..... For Hi-Intensity Grade, Add	113.33 17.22	
01 55 26 00-0160 EA Temporary 24" x 36" Aluminum Engineer Grade Traffic Sign For Detours ..... For Hi-Intensity Grade, Add	124.81 20.67	
01 55 26 00-0161 EA Temporary 24" x 42" Aluminum Engineer Grade Traffic Sign For Detours ..... For Hi-Intensity Grade, Add	148.72 24.11	
01 55 26 00-0162 EA Temporary 24" x 48" Aluminum Engineer Grade Traffic Sign For Detours ..... For Hi-Intensity Grade, Add	160.20 27.56	
01 55 26 00-0163 EA Temporary 24" x 54" Aluminum Engineer Grade Traffic Sign For Detours ..... For Hi-Intensity Grade, Add	171.68 31.00	
01 55 26 00-0164 EA Temporary 30" x 30" Aluminum Engineer Grade Traffic Sign For Detours ..... For Hi-Intensity Grade, Add	127.68 21.53	
01 55 26 00-0165 EA Temporary 30" x 36" Aluminum Engineer Grade Traffic Sign For Detours ..... For Hi-Intensity Grade, Add	154.46 25.83	
01 55 26 00-0166 EA Temporary 30" x 42" Aluminum Engineer Grade Traffic Sign For Detours ..... For Hi-Intensity Grade, Add	168.81 30.14	

<b>01</b>	<b>General Requirements</b>
<b>01 50</b>	<b>Temporary Facilities and Controls</b>
<b>01 55</b>	<b>Vehicular Access and Parking</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 55 26 00-0167 EA Temporary 30" x 48" Aluminum Engineer Grade Traffic Sign For Detours ..... <i>For Hi-Intensity Grade, Add</i>	195.60 34.45	
01 55 26 00-0168 EA Temporary 30" x 60" Aluminum Engineer Grade Traffic Sign For Detours ..... <i>For Hi-Intensity Grade, Add</i>	236.72 43.06	
01 55 26 00-0169 EA Temporary 36" x 36" Aluminum Engineer Grade Traffic Sign For Detours ..... <i>For Hi-Intensity Grade, Add</i>	171.68 31.00	
01 55 26 00-0170 EA Temporary 36" x 42" Aluminum Engineer Grade Traffic Sign For Detours ..... <i>For Hi-Intensity Grade, Add</i>	201.34 36.17	
01 55 26 00-0171 EA Temporary 36" x 48" Aluminum Engineer Grade Traffic Sign For Detours ..... <i>For Hi-Intensity Grade, Add</i>	230.98 41.33	
01 55 26 00-0172 EA Temporary 36" x 54" Aluminum Engineer Grade Traffic Sign For Detours ..... <i>For Hi-Intensity Grade, Add</i>	248.20 46.50	
01 55 26 00-0173 EA Temporary 36" x 60" Aluminum Engineer Grade Traffic Sign For Detours ..... <i>For Hi-Intensity Grade, Add</i>	277.85 51.67	
01 55 26 00-0174 EA Temporary 36" x 73" Aluminum Engineer Grade Traffic Sign For Detours ..... <i>For Hi-Intensity Grade, Add</i>	327.60 62.86	
01 55 26 00-0175 EA Temporary 36" x 78" Aluminum Engineer Grade Traffic Sign For Detours ..... <i>For Hi-Intensity Grade, Add</i>	341.95 67.17	
01 55 26 00-0176 EA Temporary 36" x 108" Aluminum Engineer Grade Traffic Sign For Detours ..... <i>For Hi-Intensity Grade, Add</i>	446.70 93.00	
01 55 26 00-0177 EA Temporary 42" x 42" Aluminum Engineer Grade Traffic Sign For Detours ..... <i>For Hi-Intensity Grade, Add</i>	233.85 42.20	
01 55 26 00-0178 EA Temporary 48" x 48" Aluminum Engineer Grade Traffic Sign For Detours ..... <i>For Hi-Intensity Grade, Add</i>	289.34 55.11	
01 55 26 00-0179 EA Temporary 48" x 54" Aluminum Engineer Grade Traffic Sign For Detours ..... <i>For Hi-Intensity Grade, Add</i>	324.73 62.00	
01 55 26 00-0180 EA Temporary 48" x 60" Aluminum Engineer Grade Traffic Sign For Detours ..... <i>For Hi-Intensity Grade, Add</i>	347.69 68.89	
01 55 26 00-0181 EA Temporary 48" x 66" Aluminum Engineer Grade Traffic Sign For Detours ..... <i>For Hi-Intensity Grade, Add</i>	389.30 75.78	
01 55 26 00-0182 EA Temporary 48" x 72" Aluminum Engineer Grade Traffic Sign For Detours ..... <i>For Hi-Intensity Grade, Add</i>	412.26 82.67	
01 55 26 00-0183 EA Temporary 48" x 84" Aluminum Engineer Grade Traffic Sign For Detours ..... <i>For Hi-Intensity Grade, Add</i>	470.62 96.45	
01 55 26 00-0184 EA Temporary 48" x 96" Aluminum Engineer Grade Traffic Sign For Detours ..... <i>For Hi-Intensity Grade, Add</i>	516.54 110.22	
01 55 26 00-0185 EA Temporary 48" x 102" Aluminum Engineer Grade Traffic Sign For Detours ..... <i>For Hi-Intensity Grade, Add</i>	539.51 117.11	
01 55 26 00-0186 EA Temporary 48" x 108" Aluminum Engineer Grade Traffic Sign For Detours ..... <i>For Hi-Intensity Grade, Add</i>	568.68 124.00	
01 55 26 00-0187 EA Temporary 60" x 72" Aluminum Engineer Grade Traffic Sign For Detours ..... <i>For Hi-Intensity Grade, Add</i>	493.58 103.34	
01 55 26 00-0188 EA Temporary 78" x 96" Aluminum Engineer Grade Traffic Sign For Detours ..... <i>For Hi-Intensity Grade, Add</i>	752.39 179.12	
<b>01 55 26 00-0189 Temporary Overhead Sign Structures For Detours</b> (01 55 26 00-0131) Note: Including horizontal Z-bars.		
01 55 26 00-0190 SF From 30 To 360 SF Signs For Temporary Overhead Sign Structures For Detours ..... <i>For Over 10' High, Add</i>	22.50 13.00	
<b>01 55 26 00-0191 Temporary Sign Posts For Detours</b> (01 55 26 00-0131) Note: Excludes sign.		
<b>01 55 26 00-0192 Temporary U-Channel Sign Posts For Detours</b> (01 55 26 00-0191) Note: Excludes digging and concrete.		
<b>01 55 26 00-0193 Temporary Baked Enamel U-Channel Sign Posts For Detours</b> (01 55 26 00-0192)		
01 55 26 00-0194 EA Temporary 3' To 4' Baked Enamel U-Channel Sign Post Base For Detours .....	70.77	
01 55 26 00-0195 EA Temporary 6' Baked Enamel U-Channel Sign Post For Detours .....	91.56	
01 55 26 00-0196 EA Temporary 7' Baked Enamel U-Channel Sign Post For Detours .....	109.49	
01 55 26 00-0197 EA Temporary 8' Baked Enamel U-Channel Sign Post For Detours .....	128.06	
01 55 26 00-0198 EA Temporary 10' Baked Enamel U-Channel Sign Post For Detours .....	154.81	
01 55 26 00-0199 EA Temporary 12' Baked Enamel U-Channel Sign Post For Detours .....	164.36	
<b>01 55 26 00-0200 Temporary Galvanized Steel U-Channel Sign Posts For Detours</b> (01 55 26 00-0192)		
01 55 26 00-0201 EA Temporary 3' To 4' Galvanized Steel U-Channel Sign Post Base For Detours.....	74.86	
01 55 26 00-0202 EA Temporary 6' Galvanized Steel U-Channel Sign Post For Detours.....	98.05	
01 55 26 00-0203 EA Temporary 7' Galvanized Steel U-Channel Sign Post For Detours.....	124.15	
01 55 26 00-0204 EA Temporary 8' Galvanized Steel U-Channel Sign Post For Detours.....	144.27	
01 55 26 00-0205 EA Temporary 10' Galvanized Steel U-Channel Sign Post For Detours.....	166.61	
01 55 26 00-0206 EA Temporary 12' Galvanized Steel U-Channel Sign Post For Detours.....	174.62	
<b>01 55 26 00-0207 Temporary Fiberglass Or Composite Plastic U-Channel Sign Posts For Detours</b> (01 55 26 00-0192)		
01 55 26 00-0208 EA Temporary 3' To 4' Fiberglass Or Composite Plastic U-Channel Sign Post Base For Detours.....	69.81	
01 55 26 00-0209 EA Temporary 6' Fiberglass Or Composite Plastic U-Channel Sign Post For Detours.....	89.47	
01 55 26 00-0210 EA Temporary 7' Fiberglass Or Composite Plastic U-Channel Sign Post For Detours.....	106.96	
01 55 26 00-0211 EA Temporary 8' Fiberglass Or Composite Plastic U-Channel Sign Post For Detours.....	125.05	
01 55 26 00-0212 EA Temporary 10' Fiberglass Or Composite Plastic U-Channel Sign Post For Detours.....	149.34	



<b>General Requirements</b>	<b>01</b>	<b>10</b>
Temporary Facilities and Controls	01 50	
Vehicular Access and Parking	01 55	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 55 26 00-0213 EA Temporary 12' Fiberglass Or Composite Plastic U-Channel Sign Post For Detours .....	161.12	
<b>01 55 26 00-0214 Temporary Tubular Sign Posts For Detours (01 55 26 00-0191)</b> Note: Excludes digging and concrete.		
<b>01 55 26 00-0215 Temporary 2-3/8" Diameter, Galvanized Steel Tubular Sign Post For Detours (01 55 26 00-0214)</b>		
01 55 26 00-0216 EA Temporary 6', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post For Detours.....	98.72	
01 55 26 00-0217 EA Temporary 7', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post For Detours.....	117.49	
01 55 26 00-0218 EA Temporary 8', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post For Detours.....	138.33	
01 55 26 00-0219 EA Temporary 10', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post For Detours.....	175.48	
01 55 26 00-0220 EA Temporary 12', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post For Detours.....	188.74	
<b>01 55 26 00-0221 Temporary Square Sign Posts For Detours (01 55 26 00-0191)</b> Note: Excludes digging and concrete.		
<b>01 55 26 00-0222 Temporary Galvanized Steel Square Sign Posts For Detours (01 55 26 00-0221)</b>		
01 55 26 00-0223 EA Temporary 3' To 4' Galvanized Steel Square Sign Post Base For Detours .....	75.77	
01 55 26 00-0224 EA Temporary 6' Galvanized Steel Square Sign Post For Detours .....	113.40	
01 55 26 00-0225 EA Temporary 7' Galvanized Steel Square Sign Post For Detours .....	133.70	
01 55 26 00-0226 EA Temporary 8' Galvanized Steel Square Sign Post For Detours .....	155.96	
01 55 26 00-0227 EA Temporary 10' Galvanized Steel Square Sign Post For Detours .....	190.19	
01 55 26 00-0228 EA Temporary 12' Galvanized Steel Square Sign Post For Detours .....	204.33	
<b>01 55 26 00-0229 Temporary Breakaway Sign Posts And Bases For Detours (01 55 26 00-0131)</b> Note: For breakaway post systems, base posts are driven in, sign posts bolted to base post using lap splice hardware kit. Excludes sign.		
<b>01 55 26 00-0230 Temporary 2.5 LB/LF Breakaway Sign Posts And Base Posts For Detours (01 55 26 00-0229)</b>		
<b>01 55 26 00-0231 Temporary Base Posts, 2.5 LB/LF, For Breakaway Sign Posts For Detours (01 55 26 00-0230)</b>		
01 55 26 00-0232 EA Temporary Base Post for 2.5 LB/LF, Breakaway Sign Post For Detours.....	96.47	
01 55 26 00-0233 EA Temporary Lap Splice Hardware For 2.5 LB/LF, Breakaway Sign Post For Detours.....	61.26	
<b>01 55 26 00-0234 Temporary Breakaway Sign Posts, 2.5 LB/LF For Detours (01 55 26 00-0230)</b>		
01 55 26 00-0235 LF Temporary Breakaway Sign Post, 2.5 LB/LF For Detours .....	11.60	
<b>01 55 26 00-0236 Temporary 4 LB/LF Breakaway Sign Posts And Base Posts For Detours (01 55 26 00-0229)</b>		
<b>01 55 26 00-0237 Temporary Base Posts, 4 LB/LF, For Breakaway Sign Posts For Detours (01 55 26 00-0236)</b>		
01 55 26 00-0238 EA Temporary Base Post for 4 LB/LF, Breakaway Sign Post For Detours.....	99.83	
01 55 26 00-0239 EA Temporary Lap Splice Hardware for 4 LB/LF, Breakaway Sign Post For Detours.....	61.26	
<b>01 55 26 00-0240 Temporary Breakaway Sign Posts, 4 LB/LF For Detours (01 55 26 00-0236)</b>		
01 55 26 00-0241 LF Temporary Breakaway Sign Post, 4 LB/LF For Detours .....	13.68	
<b>01 55 26 00-0242 Temporary Driven Sign Posts For Detours (01 55 26 00-0229)</b>		
<b>01 55 26 00-0243 Temporary Driven Posts, 2.5 LB/LF For Detours (01 55 26 00-0242)</b>		
01 55 26 00-0244 LF Temporary Driven Post, 2.5 LB/LF For Detours.....	13.25	
For Each Soil Plate, Add	3.00	
<b>01 55 26 00-0245 Temporary Driven Posts, 4 LB/LF For Detours (01 55 26 00-0242)</b>		
01 55 26 00-0246 LF Temporary Driven Post, 4 LB/LF For Detours.....	16.16	
For Each Soil Plate, Add	3.00	
<b>01 55 26 00-0247 Temporary Omni-Directional Breakaway System For Sign Posts And Light Poles For Detours (01 55 26 00-0229)</b>		
<b>01 55 26 00-0248 Temporary Omni-Directional Breakaway Systems For Signs For Detours (01 55 26 00-0247)</b> Note: Break-Safe as manufactured by Transpo Industries. Organized by post type and size. Includes hinges, anchors, all associated parts and drilling.		
01 55 26 00-0249 EA Temporary Omni-Directional Breakaway System For 6" To 8" Wide Flange (Transpo B525) .....	1,135.39	
01 55 26 00-0250 EA Temporary Omni-Directional Breakaway System For 10" To 21" Wide Flange (Transpo B650) .....	1,209.92	
01 55 26 00-0251 EA Temporary Omni-Directional Breakaway System For Standard I Beam Or W6x9 Flange (Transpo A14 And A16) .....	829.48	
01 55 26 00-0252 EA Temporary Omni-Directional Breakaway System For 3" To 4.5" Outside Diameter Pipe (Transpo A3 And A4.5).....	726.50	
01 55 26 00-0253 EA Temporary Omni-Directional Breakaway System For Square Tube (Transpo AS3 And AS4).....	823.76	
01 55 26 00-0254 EA Temporary Omni-Directional Breakaway System For U-Channels (Transpo AU4 To AU6) .....	783.71	
01 55 26 00-0255 EA Temporary Omni-Directional Breakaway System For U-Channels Embedded (Transpo AUX4 To AUX6) .....	743.99	

<b>01</b>	<b>01</b>	<b>General Requirements</b>
	<b>01 50</b>	<b>Temporary Facilities and Controls</b>
	<b>01 55</b>	<b>Vehicular Access and Parking</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>01 55 26 00-0256</b>	<b>Temporary Omni-Directional Breakaway Systems For Poles For Detours</b> <small>(01 55 26 00-0247)</small>	
	Note: Pole-Safe As Manufactured By Transpo Industries. Organized by bolt size. Includes four couplings, all associated parts, drilling and can be for new or for retro-fitting existing poles.	
01 55 26 00-0257	EA Temporary Omni-Directional Breakaway System For Poles With 5/8" Couplings.....	403.59
01 55 26 00-0258	EA Temporary Omni-Directional Breakaway System For Poles With 3/4" Couplings.....	423.17
01 55 26 00-0259	EA Temporary Omni-Directional Breakaway System For Poles With 1" Couplings.....	439.42
01 55 26 00-0260	EA Temporary Omni-Directional Breakaway System For Poles With 1 1/4" Couplings.....	667.23
01 55 26 00-0261	EA Temporary Skirt For Omni-Directional Breakaway System For Poles With Bolt Circle Diameter Of 10" To Less Than 15".....	58.59
01 55 26 00-0262	EA Temporary Skirt For Omni-Directional Breakaway System For Poles With Bolt Circle Diameter Of 15" To 20".....	78.11

<b>01 55 26 00-0263</b>	<b>Temporary Rumble Strips</b> <small>(01 55 26)</small>	
	Note: Includes removal after use.	
01 55 26 00-0264	LF 1/4" High, 4" Wide, Polymer Tape Temporary Rumble Strip.....	13.34
01 55 26 00-0265	LF 1/2" High, 3-1/2" Wide, Polycarbonate Temporary Rumble Strip.....	9.55

**01 56 Temporary Barriers and Enclosures** (01 56)

Note: Includes removal after use.

**01 56 16 Temporary Dust Barriers** (01 56)

<b>01 56 16 00-0001</b>	<b>Temporary Sheeting For Protection</b> <small>(01 56 16)</small>	
	Note: Includes removal after use.	
01 56 16 00-0002	SF 6 Mil, Plastic Sheeting, Applied To Floors.....	0.36
01 56 16 00-0003	SF 6 Mil, Plastic Sheeting, Applied To Walls.....	0.46
01 56 16 00-0004	SF 6 Mil, Plastic Sheeting, Applied To Ceilings.....	0.61
01 56 16 00-0005	SF 6 Mil, Plastic Sheeting, Applied To Scaffolding.....	0.61
01 56 16 00-0006	SF 6 Mil, Fire Retardant, Plastic Sheeting, Applied To Floors.....	0.45
01 56 16 00-0007	SF 6 Mil, Fire Retardant, Plastic Sheeting, Applied To Walls.....	0.55
01 56 16 00-0008	SF 6 Mil, Fire Retardant, Plastic Sheeting, Applied To Ceilings.....	0.70
01 56 16 00-0009	SF 6 Mil, Fire Retardant, Plastic Sheeting, Applied To Scaffolding.....	0.66
01 56 16 00-0010	SF 10 Mil, Fire Retardant, Reinforced, Plastic Sheeting, Applied To Scaffolding.....	0.86
01 56 16 00-0011	SF 6 Mil, Fire Retardant, Anti-static, Plastic Sheeting, Applied To Floors.....	0.47
01 56 16 00-0012	SF 6 Mil, Fire Retardant, Anti-static, Plastic Sheeting, Applied To Walls.....	0.57
01 56 16 00-0013	SF 6 Mil, Fire Retardant, Anti-static, Plastic Sheeting, Applied To Ceilings.....	0.72
01 56 16 00-0014	SF 6 Mil, Fire Retardant, Anti-static, Plastic Sheeting, Applied To Scaffolding.....	0.68
01 56 16 00-0015	SF 6 Mil, Reinforced, Plastic Sheeting, Applied To Floors.....	0.46
01 56 16 00-0016	SF 6 Mil, Reinforced, Plastic Sheeting, Applied To Walls.....	0.56
01 56 16 00-0017	SF 6 Mil, Reinforced, Plastic Sheeting, Applied To Ceilings.....	0.71
01 56 16 00-0018	SF 6 Mil, Reinforced, Plastic Sheeting, Applied To Scaffolding.....	0.67
01 56 16 00-0019	SF 6 Mil, Fire Retardant, Reinforced, Plastic Sheeting, Applied To Floors.....	0.54
01 56 16 00-0020	SF 6 Mil, Fire Retardant, Reinforced, Plastic Sheeting, Applied To Walls.....	0.64
01 56 16 00-0021	SF 6 Mil, Fire Retardant, Reinforced, Plastic Sheeting, Applied To Ceilings.....	0.79
01 56 16 00-0022	SF 6 Mil, Fire Retardant, Reinforced, Plastic Sheeting, Applied To Scaffolding.....	0.75

<b>01 56 16 00-0023</b>	<b>Temporary Canvas For Protection</b> <small>(01 56 16)</small>	
	Note: Includes removal after use.	
01 56 16 00-0024	SF Heavy Duty Woven Water Repellant Canvas, Applied To Walls.....	0.95

<b>01 56 16 00-0025</b>	<b>Accessories For Temporary Sheeting</b> <small>(01 56 16)</small>	
	Note: Includes removal after use.	
01 56 16 00-0026	EA 7' Zipper Door For Plastic Sheeting.....	22.16
01 56 16 00-0027	LF Zip Wall Kit And ICRA Dust Control Awareness Barrier (Per LF Of Wall).....	9.18
	Note: Includes up to 12' long spring loaded poles, side clamps, foam rails and 6 mil poly barrier. Excludes zip doors.	

<b>01 56 16 00-0028</b>	<b>Temporary Critical Barriers For Protection</b> <small>(01 56 16)</small>	
	Note: Includes removal after use.	
01 56 16 00-0029	EA Up To 1 SF Individual Critical Barriers.....	11.76
	Note: For Outlets And Receptacles	
01 56 16 00-0030	EA >1 To 4 SF Individual Critical Barriers.....	17.87
	Note: For diffusers, ceiling speakers, return grilles, etc.	
01 56 16 00-0031	EA >4 To 8 SF Individual Critical Barriers.....	24.03
	Note: For diffusers, return grilles, access doors, light fixtures, etc.	
01 56 16 00-0032	EA >8 To 32 SF Individual Critical Barriers.....	37.66
	Note: For doors, windows, etc.	

**01 56 16 00-0033** Temporary Stud Wall (01 56 16)

Note: Includes removal after use.

**01 56 16 00-0034** Temporary Stud Wall With Drywall (01 56 16 00-0033)

Note: Includes 2 x 4 wood studs installed 16" on center, single bottom and top plate, appropriate fastening devices, drywall taped and finished and removal after use. Excludes paint.

**01 56 16 00-0035** Temporary Stud Wall With Drywall (01 56 16 00-0034)





<b>General Requirements</b>			<b>01</b>
Temporary Facilities and Controls			01 50
Temporary Barriers and Enclosures			01 56

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 16 00-0036 SF 3/8" Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center ..... <i>For Metal Studs 24" On Center, Add/Deduct</i>	6.31 0.47	
01 56 16 00-0037 SF 1/2" Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center ..... <i>For Metal Studs 24" On Center, Add/Deduct</i>	6.31 0.47	
01 56 16 00-0038 SF 5/8" Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center ..... <i>For Metal Studs 24" On Center, Add/Deduct</i>	6.41 0.47	
01 56 16 00-0039 SF 3/8" Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center ..... <i>For Metal Studs 24" On Center, Add/Deduct</i>	8.72 0.57	
01 56 16 00-0040 SF 1/2" Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center ..... <i>For Metal Studs 24" On Center, Add/Deduct</i>	8.72 0.57	
01 56 16 00-0041 SF 5/8" Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center ..... <i>For Metal Studs 24" On Center, Add/Deduct</i>	8.93 0.57	
<b>01 56 16 00-0042 Temporary Stud Wall With Fire Rated Drywall</b> <small>(01 56 16 00-0034)</small>		
01 56 16 00-0043 SF 1/2" Type C Fire Rated Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center ..... <i>For Metal Studs 24" On Center, Add/Deduct</i>	6.42 0.47	
01 56 16 00-0044 SF 5/8" Type C Fire Rated Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center ..... <i>For Metal Studs 24" On Center, Add/Deduct</i>	6.46 0.47	
01 56 16 00-0045 SF 5/8" Type X Fire Rated Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center ..... <i>For Metal Studs 24" On Center, Add/Deduct</i>	6.40 0.47	
01 56 16 00-0046 SF 3/4" Fire Rated (Sheetrock® Ultracode®) Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center..... <i>For Metal Studs 24" On Center, Add/Deduct</i>	7.19 0.47	
01 56 16 00-0047 SF 1/2" Type C Fire Rated Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center ..... <i>For Metal Studs 24" On Center, Add/Deduct</i>	8.96 0.57	
01 56 16 00-0048 SF 5/8" Type C Fire Rated Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center ..... <i>For Metal Studs 24" On Center, Add/Deduct</i>	9.03 0.57	
01 56 16 00-0049 SF 5/8" Type X Fire Rated Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center ..... <i>For Metal Studs 24" On Center, Add/Deduct</i>	8.91 0.57	
01 56 16 00-0050 SF 3/4" Fire Rated (Sheetrock® Ultracode®) Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center..... <i>For Metal Studs 24" On Center, Add/Deduct</i>	10.50 0.57	
<b>01 56 16 00-0051 Temporary Stud Wall With Oriented Strand Board (OSB)</b> <small>(01 56 16 00-0033)</small>		
Note: Includes 2 x 4 wood studs installed 16" on center, single bottom and top plate, appropriate fastening devices, oriented strand board (OSB) wall sheathing, and removal after use. Excludes paint.		
01 56 16 00-0052 SF 7/16" Oriented Strand Board (OSB) Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center ..... <i>For Metal Studs 24" On Center, Add/Deduct</i>	6.24 0.47	
01 56 16 00-0053 SF 1/2" Oriented Strand Board (OSB) Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center..... <i>For Metal Studs 24" On Center, Add/Deduct</i>	6.29 0.47	
01 56 16 00-0054 SF 5/8" Oriented Strand Board (OSB) Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center..... <i>For Metal Studs 24" On Center, Add/Deduct</i>	6.45 0.47	
01 56 16 00-0055 SF 3/4" Oriented Strand Board (OSB) Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center..... <i>For Metal Studs 24" On Center, Add/Deduct</i>	6.53 0.47	
01 56 16 00-0056 SF 7/16" Oriented Strand Board (OSB) Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center ..... <i>For Metal Studs 24" On Center, Add/Deduct</i>	8.59 0.57	
01 56 16 00-0057 SF 1/2" Oriented Strand Board (OSB) Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center ..... <i>For Metal Studs 24" On Center, Add/Deduct</i>	8.70 0.57	
01 56 16 00-0058 SF 5/8" Oriented Strand Board (OSB) Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center ..... <i>For Metal Studs 24" On Center, Add/Deduct</i>	9.01 0.57	
01 56 16 00-0059 SF 3/4" Oriented Strand Board (OSB) Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center ..... <i>For Metal Studs 24" On Center, Add/Deduct</i>	9.18 0.57	
<b>01 56 16 00-0060 Temporary Stud Wall With BC Plywood</b> <small>(01 56 16 00-0033)</small>		
Note: Includes 2 x 4 wood studs installed 16" on center, single bottom and top plate, appropriate fastening devices, interior/exterior BC plywood wall sheathing, and removal after use. Excludes paint.		
01 56 16 00-0061 SF 3/8" BC Plywood Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center..... <i>For Metal Studs 24" On Center, Add/Deduct</i>	6.61 0.47	
01 56 16 00-0062 SF 1/2" BC Plywood Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center..... <i>For Metal Studs 24" On Center, Add/Deduct</i>	6.81 0.47	
01 56 16 00-0063 SF 5/8" BC Plywood Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center..... <i>For Metal Studs 24" On Center, Add/Deduct</i>	6.84 0.47	
01 56 16 00-0064 SF 3/4" BC Plywood Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center..... <i>For Metal Studs 24" On Center, Add/Deduct</i>	6.98 0.47	
01 56 16 00-0065 SF 3/8" BC Plywood Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center ..... <i>For Metal Studs 24" On Center, Add/Deduct</i>	9.33 0.57	
01 56 16 00-0066 SF 1/2" BC Plywood Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center ..... <i>For Metal Studs 24" On Center, Add/Deduct</i>	9.74 0.57	
01 56 16 00-0067 SF 5/8" BC Plywood Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center ..... <i>For Metal Studs 24" On Center, Add/Deduct</i>	9.79 0.57	
01 56 16 00-0068 SF 3/4" BC Plywood Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center ..... <i>For Metal Studs 24" On Center, Add/Deduct</i>	10.08 0.57	
<b>01 56 16 00-0069 Temporary Stud Wall With Plastic Sheeting</b> <small>(01 56 16 00-0033)</small>		
Note: Includes 2 x 4 wood studs installed 16" on center, single bottom and top plate, appropriate fastening devices, 6 Mil plastic sheeting, and removal after use.		
01 56 16 00-0070 SF 6 Mil, Plastic Sheeting On One Side, Temporary Wood Stud Wall, 16" On Center ..... <i>For Metal Studs 24" On Center, Add/Deduct</i>	3.64 0.36	
01 56 16 00-0071 SF 6 Mil, Fire Retardant, Plastic Sheeting On One Side, Temporary Wood Stud Wall, 16" On Center ..... <i>For Metal Studs 24" On Center, Add/Deduct</i>	3.72 0.36	

<b>01</b>	<b>General Requirements</b>
<b>01 50</b>	<b>Temporary Facilities and Controls</b>
<b>01 56</b>	<b>Temporary Barriers and Enclosures</b>



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

01 56 16 00-0072	SF	6 Mil, Fire Retardant, Anti-static, Plastic Sheeting On One Side, Temporary Wood Stud Wall, 16" On Center	3.75	
		<i>For Metal Studs 24" On Center, Add/Deduct</i>	0.36	
01 56 16 00-0073	SF	6 Mil, Reinforced, Plastic Sheeting On One Side, Temporary Wood Stud Wall, 16" On Center	3.74	
		<i>For Metal Studs 24" On Center, Add/Deduct</i>	0.36	
01 56 16 00-0074	SF	6 Mil, Fire Retardant, Reinforced, Plastic Sheeting On One Side, Temporary Wood Stud Wall, 16" On Center	3.81	
		<i>For Metal Studs 24" On Center, Add/Deduct</i>	0.36	
<b>01 56 16 00-0075</b>		<b>Temporary Doors</b> <small>(01 56 16 00-0033)</small>		
		Note: For temporary stud walls. Includes removal after use.		
01 56 16 00-0076	EA	Temporary Metal Door And Frame	616.26	
		Note: Painted with panic hardware, lockset, threshold and smoke seals. Remove after use.		
<b>01 56 16 00-0077</b>		<b>Temporary Floor Protection</b> <small>(01 56 16)</small>		
		Note: Includes removal after use.		
01 56 16 00-0078	SF	1/8" Thick, Masonite For Temporary Floor Protection	1.63	
01 56 16 00-0079	SF	1/2" Thick, Plywood For Temporary Floor Protection	1.66	
01 56 16 00-0080	SF	3/4" Thick, Plywood For Temporary Floor Protection	1.94	
01 56 16 00-0081	LF	38" Wide, 46 Mil Fiberboard, Ram Board® For Temporary Floor Protection	1.04	
01 56 16 00-0082	LF	36" Wide, 9 Mil, Regular Weight Red Rosin Paper, For Temporary Floor Protection	0.33	
01 56 16 00-0083	CSF	3 Mil, Temporary Self-adhesive Carpet Protection Film	26.51	
01 56 16 00-0084	SF	Burlap For Temporary Floor Protection	0.68	
<b>01 56 16 00-0085</b>		<b>Sticky Mats</b> <small>(01 56 16)</small>		
		Note: Includes removal after use.		
01 56 16 00-0086	EA	18" x 36", 30 Layer Sticky Mat	37.04	
		<i>For 60 Layers Instead Of 30, Add</i>	24.67	
01 56 16 00-0087	EA	18" x 46", 30 Layer Sticky Mat	42.52	
		<i>For 60 Layers Instead Of 30, Add</i>	28.78	
01 56 16 00-0088	EA	24" x 36", 30 Layer Sticky Mat	42.52	
		<i>For 60 Layers Instead Of 30, Add</i>	28.78	
01 56 16 00-0089	EA	25" x 45", 30 Layer Sticky Mat	56.23	
		<i>For 60 Layers Instead Of 30, Add</i>	39.06	
01 56 16 00-0090	EA	36" x 36", 30 Layer Sticky Mat	61.71	
		<i>For 60 Layers Instead Of 30, Add</i>	43.17	
01 56 16 00-0091	EA	36" x 46", 30 Layer Sticky Mat	67.19	
		<i>For 60 Layers Instead Of 30, Add</i>	47.28	
01 56 16 00-0092	EA	36" x 60", 30 Layer Sticky Mat	135.71	
		<i>For 60 Layers Instead Of 30, Add</i>	98.67	
01 56 16 00-0093	EA	36" x 72", 30 Layer Sticky Mat	162.02	
<b>01 56 26</b>		<b>Temporary Fencing</b> <small>(01 56)</small>		
<b>01 56 26 00-0001</b>		<b>Temporary Fencing</b> <small>(01 56 26)</small>		
		Note: Per ASTM A392-06 Standards		
<b>01 56 26 00-0002</b>		<b>Temporary Chain Link Fence</b> <small>(01 56 26 00-0001)</small>		
		Note: Includes delivery, set-up (driving posts) and removal. Excludes auguring/drilling for posts. See CSI section 02 41 19 13-0080 for core drilling in asphalt or concrete, 32 31 13 13-0001 for augering and backfill of posts.		
<b>01 56 26 00-0003</b>		<b>Temporary Chain Link Fence, Up To 6 Months</b> <small>(01 56 26 00-0002)</small>		
01 56 26 00-0004	LF	Temporary 4' High Chain Link Fence And Posts, Up To 6 Months	6.31	
		<i>For &gt;100 To 250, Deduct</i>	-0.15	
		<i>For &gt;250 To 500, Deduct</i>	-0.30	
		<i>For &gt;500, Deduct</i>	-0.45	
		<i>For Each LF Shade Cloth, Add</i>	1.60	
01 56 26 00-0005	LF	Temporary 6' High Chain Link Fence And Posts, Up To 6 Months	7.02	
		<i>For &gt;100 To 250, Deduct</i>	-0.17	
		<i>For &gt;250 To 500, Deduct</i>	-0.34	
		<i>For &gt;500, Deduct</i>	-0.51	
		<i>For Each LF Shade Cloth, Add</i>	2.55	
01 56 26 00-0006	LF	Temporary 8' High Chain Link Fence And Posts, Up To 6 Months	9.70	
		<i>For &gt;100 To 250, Deduct</i>	-0.29	
		<i>For &gt;250 To 500, Deduct</i>	-0.57	
		<i>For &gt;500, Deduct</i>	-0.86	
		<i>For Each LF Shade Cloth, Add</i>	3.60	
01 56 26 00-0007	LF	Temporary 10' High Chain Link Fence And Posts, Up To 6 Months	21.39	
		<i>For &gt;100 To 250, Deduct</i>	-0.85	
		<i>For &gt;250 To 500, Deduct</i>	-1.70	
		<i>For &gt;500, Deduct</i>	-2.55	
		<i>For Each LF Shade Cloth, Add</i>	4.75	
<b>01 56 26 00-0008</b>		<b>Temporary Chain Link Fence, &gt;6 To 12 Months</b> <small>(01 56 26 00-0002)</small>		
01 56 26 00-0009	LF	Temporary 4' High Chain Link Fence And Posts, >6 To 12 Months	6.62	
		<i>For &gt;100 To 250, Deduct</i>	-0.17	
		<i>For &gt;250 To 500, Deduct</i>	-0.33	
		<i>For &gt;500, Deduct</i>	-0.50	
		<i>For Each LF Shade Cloth, Add</i>	1.60	



<b>General Requirements</b>	<b>01</b>	<b>10</b>
Temporary Facilities and Controls	01 50	
Temporary Barriers and Enclosures	01 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 26 00-0010 LF Temporary 6' High Chain Link Fence And Posts, >6 To 12 Months .....	7.36	
<i>For &gt;100 To 250, Deduct</i>	-0.19	
<i>For &gt;250 To 500, Deduct</i>	-0.37	
<i>For &gt;500, Deduct</i>	-0.56	
<i>For Each LF Shade Cloth, Add</i>	2.55	
01 56 26 00-0011 LF Temporary 8' High Chain Link Fence And Posts, >6 To 12 Months .....	10.26	
<i>For &gt;100 To 250, Deduct</i>	-0.31	
<i>For &gt;250 To 500, Deduct</i>	-0.63	
<i>For &gt;500, Deduct</i>	-0.94	
<i>For Each LF Shade Cloth, Add</i>	3.60	
01 56 26 00-0012 LF Temporary 10' High Chain Link Fence And Posts, >6 To 12 Months .....	23.08	
<i>For &gt;100 To 250, Deduct</i>	-0.93	
<i>For &gt;250 To 500, Deduct</i>	-1.87	
<i>For &gt;500, Deduct</i>	-2.80	
<i>For Each LF Shade Cloth, Add</i>	4.75	
<b>01 56 26 00-0013 Temporary Chain Link Fence, &gt;12 To 18 Months (01 56 26 00-0002)</b>		
01 56 26 00-0014 LF Temporary 4' High Chain Link Fence And Posts, >12 To 18 Months .....	6.95	
<i>For &gt;100 To 250, Deduct</i>	-0.18	
<i>For &gt;250 To 500, Deduct</i>	-0.36	
<i>For &gt;500, Deduct</i>	-0.55	
<i>For Each LF Shade Cloth, Add</i>	1.60	
01 56 26 00-0015 LF Temporary 6' High Chain Link Fence And Posts, >12 To 18 Months .....	7.74	
<i>For &gt;100 To 250, Deduct</i>	-0.21	
<i>For &gt;250 To 500, Deduct</i>	-0.41	
<i>For &gt;500, Deduct</i>	-0.62	
<i>For Each LF Shade Cloth, Add</i>	2.55	
01 56 26 00-0016 LF Temporary 8' High Chain Link Fence And Posts, >12 To 18 Months .....	10.90	
<i>For &gt;100 To 250, Deduct</i>	-0.35	
<i>For &gt;250 To 500, Deduct</i>	-0.69	
<i>For &gt;500, Deduct</i>	-1.04	
<i>For Each LF Shade Cloth, Add</i>	3.60	
01 56 26 00-0017 LF Temporary 10' High Chain Link Fence And Posts, >12 To 18 Months .....	24.95	
<i>For &gt;100 To 250, Deduct</i>	-1.03	
<i>For &gt;250 To 500, Deduct</i>	-2.06	
<i>For &gt;500, Deduct</i>	-3.08	
<i>For Each LF Shade Cloth, Add</i>	4.75	
<b>01 56 26 00-0018 Temporary Chain Link Fence, &gt;18 Months (01 56 26 00-0002)</b>		
01 56 26 00-0019 LF Temporary 4' High Chain Link Fence And Posts, >18 Months .....	7.31	
<i>For &gt;100 To 250, Deduct</i>	-0.20	
<i>For &gt;250 To 500, Deduct</i>	-0.40	
<i>For &gt;500, Deduct</i>	-0.60	
<i>For Each LF Shade Cloth, Add</i>	1.60	
01 56 26 00-0020 LF Temporary 6' High Chain Link Fence And Posts, >18 Months .....	8.13	
<i>For &gt;100 To 250, Deduct</i>	-0.22	
<i>For &gt;250 To 500, Deduct</i>	-0.45	
<i>For &gt;500, Deduct</i>	-0.67	
<i>For Each LF Shade Cloth, Add</i>	2.55	
01 56 26 00-0021 LF Temporary 8' High Chain Link Fence And Posts, >18 Months .....	11.58	
<i>For &gt;100 To 250, Deduct</i>	-0.38	
<i>For &gt;250 To 500, Deduct</i>	-0.76	
<i>For &gt;500, Deduct</i>	-1.14	
<i>For Each LF Shade Cloth, Add</i>	3.60	
01 56 26 00-0022 LF Temporary 10' High Chain Link Fence And Posts, >18 Months.....	27.00	
<i>For &gt;100 To 250, Deduct</i>	-1.13	
<i>For &gt;250 To 500, Deduct</i>	-2.26	
<i>For &gt;500, Deduct</i>	-3.39	
<i>For Each LF Shade Cloth, Add</i>	4.75	
<b>01 56 26 00-0023 Temporary Chain Link Fence Gates (01 56 26 00-0001)</b>		
Note: Includes delivery, set-up (driving posts) and removal. Excludes auguring/drilling for posts. See CSI section 02 41 19 13-0080 for core drilling in asphalt or concrete, 32 31 13 13-0001 for augering and backfill of posts.		
<b>01 56 26 00-0024 Temporary Chain Link Fence Gates, Up To 6 Months (01 56 26 00-0023)</b>		
<b>01 56 26 00-0025 4' High, Temporary Chain Link Fence Gates, Up To 6 Months (01 56 26 00-0024)</b>		
01 56 26 00-0026 EA 4' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	253.25	
<i>For Each LF Shade Cloth, Add</i>	14.27	
01 56 26 00-0027 EA 10' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	429.84	
<i>For Each LF Shade Cloth, Add</i>	35.67	
01 56 26 00-0028 EA 12' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	481.43	
<i>For Each LF Shade Cloth, Add</i>	42.81	
01 56 26 00-0029 EA 15' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	547.91	
<i>For Each LF Shade Cloth, Add</i>	53.51	
01 56 26 00-0030 EA 20' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	656.45	
<i>For Each LF Shade Cloth, Add</i>	71.35	
01 56 26 00-0031 EA 24' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	730.51	
<i>For Each LF Shade Cloth, Add</i>	85.62	
<b>01 56 26 00-0032 6' High, Temporary Chain Link Fence Gates, Up To 6 Months (01 56 26 00-0024)</b>		

<b>01</b>	<b>General Requirements</b>
<b>01 50</b>	<b>Temporary Facilities and Controls</b>
<b>01 56</b>	<b>Temporary Barriers and Enclosures</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 26 00-0033 EA 4' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	271.05	
<i>For Each LF Shade Cloth, Add</i>	22.74	
01 56 26 00-0034 EA 10' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	464.06	
<i>For Each LF Shade Cloth, Add</i>	56.85	
01 56 26 00-0035 EA 12' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	520.88	
<i>For Each LF Shade Cloth, Add</i>	68.23	
01 56 26 00-0036 EA 15' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	603.41	
<i>For Each LF Shade Cloth, Add</i>	85.28	
01 56 26 00-0037 EA 20' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	729.49	
<i>For Each LF Shade Cloth, Add</i>	113.71	
01 56 26 00-0038 EA 24' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	827.40	
<i>For Each LF Shade Cloth, Add</i>	136.45	
<b>01 56 26 00-0039 8' High, Temporary Chain Link Fence Gates, Up To 6 Months (01 56 26 00-0024)</b>		
01 56 26 00-0040 EA 4' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	302.62	
<i>For Each LF Shade Cloth, Add</i>	32.11	
01 56 26 00-0041 EA 10' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	531.60	
<i>For Shade Cloth, Add</i>	80.27	
01 56 26 00-0042 EA 12' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	594.68	
<i>For Shade Cloth, Add</i>	96.32	
01 56 26 00-0043 EA 15' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	680.65	
<i>For Shade Cloth, Add</i>	120.40	
01 56 26 00-0044 EA 20' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	831.85	
<i>For Shade Cloth, Add</i>	160.53	
01 56 26 00-0045 EA 24' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	964.78	
<i>For Shade Cloth, Add</i>	192.64	
<b>01 56 26 00-0046 10' High, Temporary Chain Link Fence Gates, Up To 6 Months (01 56 26 00-0024)</b>		
01 56 26 00-0047 EA 4' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	366.77	
<i>For Each LF Shade Cloth, Add</i>	42.36	
01 56 26 00-0048 EA 10' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	637.78	
<i>For Each LF Shade Cloth, Add</i>	105.91	
01 56 26 00-0049 EA 12' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	714.90	
<i>For Each LF Shade Cloth, Add</i>	127.09	
01 56 26 00-0050 EA 15' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	817.05	
<i>For Each LF Shade Cloth, Add</i>	158.86	
01 56 26 00-0051 EA 20' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	998.78	
<i>For Each LF Shade Cloth, Add</i>	211.81	
01 56 26 00-0052 EA 24' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	1,153.13	
<i>For Each LF Shade Cloth, Add</i>	254.17	
<b>01 56 26 00-0053 Temporary Chain Link Fence Gates, &gt;6 To 12 Months (01 56 26 00-0023)</b>		
<b>01 56 26 00-0054 4' High, Temporary Chain Link Fence Gates, &gt;6 To 12 Months (01 56 26 00-0053)</b>		
01 56 26 00-0055 EA 4' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....	262.80	
<i>For Each LF Shade Cloth, Add</i>	14.27	
01 56 26 00-0056 EA 10' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....	444.71	
<i>For Each LF Shade Cloth, Add</i>	35.67	
01 56 26 00-0057 EA 12' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....	498.41	
<i>For Each LF Shade Cloth, Add</i>	42.81	
01 56 26 00-0058 EA 15' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....	567.02	
<i>For Each LF Shade Cloth, Add</i>	53.51	
01 56 26 00-0059 EA 20' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....	679.81	
<i>For Each LF Shade Cloth, Add</i>	71.35	
01 56 26 00-0060 EA 24' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....	756.00	
<i>For Each LF Shade Cloth, Add</i>	85.62	
<b>01 56 26 00-0061 6' High, Temporary Chain Link Fence Gates, &gt;6 To 12 Months (01 56 26 00-0053)</b>		
01 56 26 00-0062 EA 4' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....	281.04	
<i>For Each LF Shade Cloth, Add</i>	22.74	
01 56 26 00-0063 EA 10' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....	479.60	
<i>For Each LF Shade Cloth, Add</i>	56.85	
01 56 26 00-0064 EA 12' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....	538.64	
<i>For Each LF Shade Cloth, Add</i>	68.23	
01 56 26 00-0065 EA 15' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....	623.39	
<i>For Each LF Shade Cloth, Add</i>	85.28	
01 56 26 00-0066 EA 20' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....	753.91	
<i>For Each LF Shade Cloth, Add</i>	113.71	
01 56 26 00-0067 EA 24' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....	854.04	
<i>For Each LF Shade Cloth, Add</i>	136.45	
<b>01 56 26 00-0068 8' High, Temporary Chain Link Fence Gates, &gt;6 To 12 Months (01 56 26 00-0053)</b>		
01 56 26 00-0069 EA 4' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....	313.61	
<i>For Each LF Shade Cloth, Add</i>	32.11	
01 56 26 00-0070 EA 10' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....	548.70	
<i>For Shade Cloth, Add</i>	80.27	
01 56 26 00-0071 EA 12' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....	614.22	
<i>For Shade Cloth, Add</i>	96.32	



		<b>General Requirements</b>	<b>01</b>
		<b>Temporary Facilities and Controls</b>	<b>01 50</b>
		<b>Temporary Barriers and Enclosures</b>	<b>01 56</b>

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 26 00-0072	EA	15' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months	702.63	
		<i>For Shade Cloth, Add</i>	120.40	
01 56 26 00-0073	EA	20' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months	858.71	
		<i>For Shade Cloth, Add</i>	160.53	
01 56 26 00-0074	EA	24' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months	994.08	
		<i>For Shade Cloth, Add</i>	192.64	
<b>01 56 26 00-0075</b>		<b>10' High, Temporary Chain Link Fence Gates, &gt;6 To 12 Months</b> <small>(01 56 26 00-0053)</small>		
01 56 26 00-0076	EA	4' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months	380.50	
		<i>For Each LF Shade Cloth, Add</i>	42.36	
01 56 26 00-0077	EA	10' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months	659.15	
		<i>For Each LF Shade Cloth, Add</i>	105.91	
01 56 26 00-0078	EA	12' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months	739.32	
		<i>For Each LF Shade Cloth, Add</i>	127.09	
01 56 26 00-0079	EA	15' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months	844.52	
		<i>For Each LF Shade Cloth, Add</i>	158.86	
01 56 26 00-0080	EA	20' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months	1,032.36	
		<i>For Each LF Shade Cloth, Add</i>	211.81	
01 56 26 00-0081	EA	24' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months	1,189.76	
		<i>For Each LF Shade Cloth, Add</i>	254.17	
<b>01 56 26 00-0082</b>		<b>Temporary Chain Link Fence Gates, &gt;12 To 18 Months</b> <small>(01 56 26 00-0023)</small>		
<b>01 56 26 00-0083</b>		<b>4' High, Temporary Chain Link Fence Gates, &gt;12 To 18 Months</b> <small>(01 56 26 00-0082)</small>		
01 56 26 00-0084	EA	4' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months	272.83	
		<i>For Each LF Shade Cloth, Add</i>	14.27	
01 56 26 00-0085	EA	10' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months	460.31	
		<i>For Each LF Shade Cloth, Add</i>	35.67	
01 56 26 00-0086	EA	12' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months	516.25	
		<i>For Each LF Shade Cloth, Add</i>	42.81	
01 56 26 00-0087	EA	15' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months	587.09	
		<i>For Each LF Shade Cloth, Add</i>	53.51	
01 56 26 00-0088	EA	20' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months	704.34	
		<i>For Each LF Shade Cloth, Add</i>	71.35	
01 56 26 00-0089	EA	24' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months	782.75	
		<i>For Each LF Shade Cloth, Add</i>	85.62	
<b>01 56 26 00-0090</b>		<b>6' High, Temporary Chain Link Fence Gates, &gt;12 To 18 Months</b> <small>(01 56 26 00-0082)</small>		
01 56 26 00-0091	EA	4' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months	291.53	
		<i>For Each LF Shade Cloth, Add</i>	22.74	
01 56 26 00-0092	EA	10' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months	495.91	
		<i>For Each LF Shade Cloth, Add</i>	56.85	
01 56 26 00-0093	EA	12' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months	557.29	
		<i>For Each LF Shade Cloth, Add</i>	68.23	
01 56 26 00-0094	EA	15' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months	644.37	
		<i>For Each LF Shade Cloth, Add</i>	85.28	
01 56 26 00-0095	EA	20' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months	779.55	
		<i>For Each LF Shade Cloth, Add</i>	113.71	
01 56 26 00-0096	EA	24' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months	882.01	
		<i>For Each LF Shade Cloth, Add</i>	136.45	
<b>01 56 26 00-0097</b>		<b>8' High, Temporary Chain Link Fence Gates, &gt;12 To 18 Months</b> <small>(01 56 26 00-0082)</small>		
01 56 26 00-0098	EA	4' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months	325.15	
		<i>For Each LF Shade Cloth, Add</i>	32.11	
01 56 26 00-0099	EA	10' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months	566.64	
		<i>For Shade Cloth, Add</i>	80.27	
01 56 26 00-0100	EA	12' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months	634.73	
		<i>For Shade Cloth, Add</i>	96.32	
01 56 26 00-0101	EA	15' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months	725.70	
		<i>For Shade Cloth, Add</i>	120.40	
01 56 26 00-0102	EA	20' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months	886.91	
		<i>For Shade Cloth, Add</i>	160.53	
01 56 26 00-0103	EA	24' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months	1,024.85	
		<i>For Shade Cloth, Add</i>	192.64	
<b>01 56 26 00-0104</b>		<b>10' High, Temporary Chain Link Fence Gates, &gt;12 To 18 Months</b> <small>(01 56 26 00-0082)</small>		
01 56 26 00-0105	EA	4' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months	394.93	
		<i>For Each LF Shade Cloth, Add</i>	42.36	
01 56 26 00-0106	EA	10' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months	681.58	
		<i>For Each LF Shade Cloth, Add</i>	105.91	
01 56 26 00-0107	EA	12' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months	764.96	
		<i>For Each LF Shade Cloth, Add</i>	127.09	
01 56 26 00-0108	EA	15' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months	873.36	
		<i>For Each LF Shade Cloth, Add</i>	158.86	
01 56 26 00-0109	EA	20' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months	1,067.62	
		<i>For Each LF Shade Cloth, Add</i>	211.81	
01 56 26 00-0110	EA	24' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months	1,228.22	
		<i>For Each LF Shade Cloth, Add</i>	254.17	

<b>01</b>	<b>General Requirements</b>
<b>01 50</b>	<b>Temporary Facilities and Controls</b>
<b>01 56</b>	<b>Temporary Barriers and Enclosures</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 56 26 00-0111			Temporary Chain Link Fence Gates, >18 Months (01 56 26 00-0023)		
01 56 26 00-0112			4' High, Temporary Chain Link Fence Gates, >18 Months (01 56 26 00-0111)		
01 56 26 00-0113	EA		4' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months	282.87	
			For Each LF Shade Cloth, Add	14.27	
01 56 26 00-0114	EA		10' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months	475.92	
			For Each LF Shade Cloth, Add	35.67	
01 56 26 00-0115	EA		12' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months	534.09	
			For Each LF Shade Cloth, Add	42.81	
01 56 26 00-0116	EA		15' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months	607.16	
			For Each LF Shade Cloth, Add	53.51	
01 56 26 00-0117	EA		20' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months	728.86	
			For Each LF Shade Cloth, Add	71.35	
01 56 26 00-0118	EA		24' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months	809.51	
			For Each LF Shade Cloth, Add	85.62	
01 56 26 00-0119			6' High, Temporary Chain Link Fence Gates, >18 Months (01 56 26 00-0111)		
01 56 26 00-0120	EA		4' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months	302.02	
			For Each LF Shade Cloth, Add	22.74	
01 56 26 00-0121	EA		10' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months	512.23	
			For Each LF Shade Cloth, Add	56.85	
01 56 26 00-0122	EA		12' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months	575.93	
			For Each LF Shade Cloth, Add	68.23	
01 56 26 00-0123	EA		15' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months	665.35	
			For Each LF Shade Cloth, Add	85.28	
01 56 26 00-0124	EA		20' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months	805.19	
			For Each LF Shade Cloth, Add	113.71	
01 56 26 00-0125	EA		24' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months	909.98	
			For Each LF Shade Cloth, Add	136.45	
01 56 26 00-0126			8' High, Temporary Chain Link Fence Gates, >18 Months (01 56 26 00-0111)		
01 56 26 00-0127	EA		4' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months	336.69	
			For Each LF Shade Cloth, Add	32.11	
01 56 26 00-0128	EA		10' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months	584.59	
			For Shade Cloth, Add	80.27	
01 56 26 00-0129	EA		12' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months	655.24	
			For Shade Cloth, Add	96.32	
01 56 26 00-0130	EA		15' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months	748.78	
			For Shade Cloth, Add	120.40	
01 56 26 00-0131	EA		20' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months	915.12	
			For Shade Cloth, Add	160.53	
01 56 26 00-0132	EA		24' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months	1,055.62	
			For Shade Cloth, Add	192.64	
01 56 26 00-0133			10' High, Temporary Chain Link Fence Gates, >18 Months (01 56 26 00-0111)		
01 56 26 00-0134	EA		4' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months	409.35	
			For Each LF Shade Cloth, Add	42.36	
01 56 26 00-0135	EA		10' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months	704.02	
			For Each LF Shade Cloth, Add	105.91	
01 56 26 00-0136	EA		12' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months	790.60	
			For Each LF Shade Cloth, Add	127.09	
01 56 26 00-0137	EA		15' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months	902.21	
			For Each LF Shade Cloth, Add	158.86	
01 56 26 00-0138	EA		20' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months	1,102.87	
			For Each LF Shade Cloth, Add	211.81	
01 56 26 00-0139	EA		24' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months	1,266.68	
			For Each LF Shade Cloth, Add	254.17	
01 56 26 00-0140			Temporary Chain Link Fence Panels (Portable) (01 56 26 00-0001)		
			Note: Includes delivery, set-up and removal. Excludes sandbags.		
01 56 26 00-0141			Temporary Chain Link Fence Panels (Portable), Up To 6 Months (01 56 26 00-0140)		
01 56 26 00-0142	LF		Temporary 4' High Chain Link Fence Panels (Portable), Up To 6 Months	6.90	
			For >100 To 250, Deduct	-0.18	
			For >250 To 500, Deduct	-0.36	
			For >500, Deduct	-0.54	
			For Each LF Shade Cloth, Add	1.60	
01 56 26 00-0143	LF		Temporary 6' High Chain Link Fence Panels (Portable), Up To 6 Months	7.67	
			For >100 To 250, Deduct	-0.20	
			For >250 To 500, Deduct	-0.40	
			For >500, Deduct	-0.60	
			For Each LF Shade Cloth, Add	2.55	
01 56 26 00-0144	LF		Temporary 8' High Chain Link Fence Panels (Portable), Up To 6 Months	10.47	
			For >100 To 250, Deduct	-0.32	
			For >250 To 500, Deduct	-0.65	
			For >500, Deduct	-0.97	
			For Each LF Shade Cloth, Add	3.60	



<b>General Requirements</b>	<b>01</b>	<b>10</b>
Temporary Facilities and Controls	01 50	
Temporary Barriers and Enclosures	01 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>01 56 26 00-0145 Temporary Chain Link Fence Panels (Portable), &gt;6 To 12 Months (01 56 26 00-0140)</b>		
01 56 26 00-0146 LF Temporary 4' High Chain Link Fence Panels (Portable), >6 To 12 Months.....	7.21	
For >100 To 250, Deduct	-0.20	
For >250 To 500, Deduct	-0.39	
For >500, Deduct	-0.59	
For Each LF Shade Cloth, Add	1.60	
01 56 26 00-0147 LF Temporary 6' High Chain Link Fence Panels (Portable), >6 To 12 Months.....	8.00	
For >100 To 250, Deduct	-0.22	
For >250 To 500, Deduct	-0.44	
For >500, Deduct	-0.65	
For Each LF Shade Cloth, Add	2.55	
01 56 26 00-0148 LF Temporary 8' High Chain Link Fence Panels (Portable), >6 To 12 Months.....	11.03	
For >100 To 250, Deduct	-0.35	
For >250 To 500, Deduct	-0.71	
For >500, Deduct	-1.06	
For Each LF Shade Cloth, Add	3.60	
<b>01 56 26 00-0149 Temporary Chain Link Fence Panels (Portable), &gt;12 To 18 Months (01 56 26 00-0140)</b>		
01 56 26 00-0150 LF Temporary 4' High Chain Link Fence Panels (Portable), >12 To 18 Months.....	7.51	
For >100 To 250, Deduct	-0.21	
For >250 To 500, Deduct	-0.42	
For >500, Deduct	-0.63	
For Each LF Shade Cloth, Add	1.60	
01 56 26 00-0151 LF Temporary 6' High Chain Link Fence Panels (Portable), >12 To 18 Months.....	8.38	
For >100 To 250, Deduct	-0.24	
For >250 To 500, Deduct	-0.47	
For >500, Deduct	-0.71	
For Each LF Shade Cloth, Add	2.55	
01 56 26 00-0152 LF Temporary 8' High Chain Link Fence Panels (Portable), >12 To 18 Months.....	11.67	
For >100 To 250, Deduct	-0.38	
For >250 To 500, Deduct	-0.77	
For >500, Deduct	-1.15	
For Each LF Shade Cloth, Add	3.60	
<b>01 56 26 00-0153 Temporary Chain Link Fence Panels (Portable), &gt;18 Months (01 56 26 00-0140)</b>		
01 56 26 00-0154 LF Temporary 4' High Chain Link Fence Panels (Portable), >18 Months.....	7.90	
For >100 To 250, Deduct	-0.23	
For >250 To 500, Deduct	-0.46	
For >500, Deduct	-0.69	
For Each LF Shade Cloth, Add	1.60	
01 56 26 00-0155 LF Temporary 6' High Chain Link Fence Panels (Portable), >18 Months.....	8.77	
For >100 To 250, Deduct	-0.26	
For >250 To 500, Deduct	-0.51	
For >500, Deduct	-0.77	
For Each LF Shade Cloth, Add	2.55	
01 56 26 00-0156 LF Temporary 8' High Chain Link Fence Panels (Portable), >18 Months.....	12.34	
For >100 To 250, Deduct	-0.42	
For >250 To 500, Deduct	-0.84	
For >500, Deduct	-1.25	
For Each LF Shade Cloth, Add	3.60	
<b>01 56 26 00-0157 Temporary Chain Link Fence Panels (Portable) Sandbags (01 56 26 00-0140)</b>		
01 56 26 00-0158 BAG Temporary Chain Link Fence Panels (Portable) Sandbag.....	6.41	
Note: Includes placement and removal.		
<b>01 56 26 00-0159 Relocate Chain Link Fence, Gates And Panels (01 56 26 00-0001)</b>		
Note: Excludes auguring/drilling for posts.		
<b>01 56 26 00-0160 Relocate Temporary Chain Link Fence On Site (01 56 26 00-0159)</b>		
01 56 26 00-0161 LF Relocate Temporary 4' High Chain Link Fence And Posts.....	3.52	
01 56 26 00-0162 LF Relocate Temporary 6' High Chain Link Fence And Posts.....	5.28	
01 56 26 00-0163 LF Relocate Temporary 8' High Chain Link Fence And Posts.....	7.64	
01 56 26 00-0164 LF Relocate Temporary 10' High Chain Link Fence And Posts.....	9.40	
<b>01 56 26 00-0165 Relocate Temporary Chain Link Fence Panels On Site (01 56 26 00-0159)</b>		
01 56 26 00-0166 LF Relocate Temporary 4' High Chain Link Fence Panel, Self Standing.....	0.83	
01 56 26 00-0167 LF Relocate Temporary 6' High Chain Link Fence Panel, Self Standing.....	0.99	
01 56 26 00-0168 LF Relocate Temporary 8' High Chain Link Fence Panel, Self Standing.....	1.11	
<b>01 56 26 00-0169 Relocate Temporary Chain Link Gates On Site (01 56 26 00-0159)</b>		
01 56 26 00-0170 EA Relocate Temporary 4' High Chain Link Vehicle Gate And Posts.....	107.69	
01 56 26 00-0171 EA Relocate Temporary 6' High Chain Link Vehicle Gate And Posts.....	124.25	
01 56 26 00-0172 EA Relocate Temporary 8' High Chain Link Vehicle Gate And Posts.....	153.25	
01 56 26 00-0173 EA Relocate Temporary 10' High Chain Link Vehicle Gate And Posts.....	165.68	

<b>01</b>	<b>01</b>	<b>General Requirements</b>
	<b>01 50</b>	<b>Temporary Facilities and Controls</b>
	<b>01 56</b>	<b>Temporary Barriers and Enclosures</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 56 26 00-0174	Temporary Safety Fence <small>(01 56 26)</small> Note: Includes removal after use.	
01 56 26 00-0175	LF 48" High With Posts At 8' On Center, Plastic Mesh Temporary Safety Fence .....	3.32

**01 56 29 Temporary Protective Walkways (01 56)**

01 56 29 00-0001	Temporary Sidewalk Bridge Protection <small>(01 56 29)</small>	
01 56 29 00-0002	Installation of Sidewalk Bridge <small>(01 56 29 00-0001)</small>	
01 56 29 00-0003	LF Installation of Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly ..... Note: Includes spanning openings, planking and parapet, lighting, up to 8' wide, up to 8' high, 2 post system.	168.55
	<i>For 3 Post System, Add</i>	6.00
	<i>For Each Additional Foot Over 8' Wide, Add</i>	3.00
	<i>For Each Additional Foot Over 8' High, Add</i>	2.00
01 56 29 00-0004	LF Installation of Netting for Sidewalk Bridge.....	4.29

**01 56 29 00-0005 Monthly Rental of Sidewalk Bridge (01 56 29 00-0001)**

01 56 29 00-0006	LF Monthly Rental Of Up To 8' Wide And 8' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly..... Note: Includes spanning openings, planking and parapet, lighting and maintenance.	14.94
	<i>For 3 Post System, Add</i>	2.24
01 56 29 00-0007	LF Monthly Rental Of Up To 8' Wide, 8' - 12' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly..... Note: Includes spanning openings, planking and parapet, lighting and maintenance.	16.82
	<i>For 3 Post System, Add</i>	2.52
01 56 29 00-0008	LF Monthly Rental Of Up To 8' Wide, Over 12' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly..... Note: Includes spanning openings, planking and parapet, lighting and maintenance.	18.69
	<i>For 3 Post System, Add</i>	2.80
01 56 29 00-0009	LF Monthly Rental Of 8' - 12' Wide And 8' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly..... Note: Includes spanning openings, planking and parapet, lighting and maintenance.	18.69
	<i>For 3 Post System, Add</i>	2.80
01 56 29 00-0010	LF Monthly Rental Of 8' - 12' Wide, 8' - 12' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly..... Note: Includes spanning openings, planking and parapet, lighting and maintenance.	20.54
	<i>For 3 Post System, Add</i>	3.08
01 56 29 00-0011	LF Monthly Rental Of 8' - 12' Wide, Over 12' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly..... Note: Includes spanning openings, planking and parapet, lighting and maintenance.	24.31
	<i>For 3 Post System, Add</i>	3.65
01 56 29 00-0012	LF Monthly Rental Of Over 12' Wide And 8' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly..... Note: Includes spanning openings, planking and parapet, lighting and maintenance.	22.44
	<i>For 3 Post System, Add</i>	3.37
01 56 29 00-0013	LF Monthly Rental Of Over 12' Wide, 8' - 12' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly..... Note: Includes spanning openings, planking and parapet, lighting and maintenance.	26.18
	<i>For 3 Post System, Add</i>	3.93
01 56 29 00-0014	LF Monthly Rental Of Over 12' Wide, Over 12' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly..... Note: Includes spanning openings, planking and parapet, lighting and maintenance.	28.00
	<i>For 3 Post System, Add</i>	4.20
01 56 29 00-0015	LF Monthly Rental of Netting for Sidewalk Bridge.....	2.80

**01 56 29 00-0016 Removal of Sidewalk Bridge (01 56 29 00-0001)**

01 56 29 00-0017	LF Removal Of Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly ..... Note: Includes spanning openings, planking and parapet, lighting, up to 8' wide, up to 8' high, 2 post system.	35.08
	<i>For 3 Post System, Add</i>	2.50
	<i>For Each Additional Foot Over 8' Wide, Add</i>	1.25
	<i>For Each Additional Foot Over 8' High, Add</i>	0.75
01 56 29 00-0018	LF Removal Of Netting For Sidewalk Bridge.....	2.15

**01 56 29 00-0019 Temporary Safety Nets (01 56 29)**

01 56 29 00-0020	SF Small Mesh Debris Netting ..... Note: Includes 3" molded plastic base plates, plastic cable ties, and 1/4", 7x9 aircraft cable tied off to structure, not including anchors.	2.16
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**01 56 33 Temporary Security Barriers (01 56)**

01 56 33 00-0001	Board-up Opening With Plywood <small>(01 56 33)</small> Note: For use where directed by owner for boarding up door and window openings.	
01 56 33 00-0002	OPNG Removal Of Protective Barrier To Allow Work In Building, Reseal At End Of Day, Per Opening Per Day.....	12.43
01 56 33 00-0003	SF 5/8" Thick Plywood, 2" x 4" Wood Stud Framing And Fasteners, For Board-Up Opening .....	7.83
01 56 33 00-0004	SF 3/4" Thick Plywood, 2" x 4" Wood Stud Framing And Fasteners, For Board-Up Opening .....	9.05





<b>General Requirements</b>		<b>01</b>
Temporary Facilities and Controls		01 50
Temporary Barriers and Enclosures		01 56

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>01 56 33 00-0005</b> Temporary Pedestrian Barricade <small>(01 56 33)</small> Note: Portable, interlocking galvanized steel fence with pivoting legs.		
01 56 33 00-0006 DAY 3-1/2' x 7-1/2' Galvanized Steel Pedestrian Barricade, Rental.....	13.95	
01 56 33 00-0007 WK 3-1/2' x 7-1/2' Galvanized Steel Pedestrian Barricade, Rental.....	33.89	
01 56 33 00-0008 MO 3-1/2' x 7-1/2' Galvanized Steel Pedestrian Barricade, Rental.....	101.66	
<b>01 56 39 Temporary Tree and Plant Protection</b> <small>(01 56)</small>		
<b>01 56 39 00-0001</b> Temporary Tree Guards <small>(01 56 39)</small> Note: Includes digging holes and removal after use.		
01 56 39 00-0002 EA Up To 4' x 4' Temporary Tree Guard, 2" x 4" Wood Stud Framing Construction, 4 Uprights Set In Earth 2' Deep, With Double Rail.....	187.00	
01 56 39 00-0003 EA 4' x 4' Temporary Tree Guard, 2" x 4" Wood Stud Framing Construction, 4 Uprights Set In Earth 2' Deep, With Double Rail.....	223.46	
01 56 39 00-0004 EA 6' x 6' Temporary Tree Guard, 2" x 4" Wood Stud Framing Construction, 4 Uprights Set In Earth 2' Deep, With Double Rail.....	243.25	
<b>01 57 Temporary Controls</b> <small>(01 50)</small>		
<b>01 57 13 Temporary Erosion and Sediment Control</b> <small>(01 57)</small> See CSI section 31 25 00 00-0000 for temporary erosion and sediment control.		
<b>01 57 23 Temporary Storm Water Pollution Control</b> <small>(01 57)</small> See CSI section 31 25 00 00-0000 for temporary storm water pollution control.		
<b>01 57 23 00-0001</b> Temporary Drain Guard <small>(01 57 23)</small> Note: Includes removal after use.		
01 57 23 00-0002 EA 36" x 48" x 18" Non-Woven Polypropylene Trash and Debris Drain Guard (Ultra-Drain Guard® 9227).....	105.68	
01 57 23 00-0003 EA 36" x 48" x 18" Non-Woven Polypropylene Oil and Sediment Drain Guard (Ultra-Drain Guard® 9217)..... Note: Up to 0.87 gallons oil, up to 40 lbs sediment.	103.62	
01 57 23 00-0004 EA 36" x 48" x 18" Non-Woven Polypropylene Oil and Sediment Drain Guard (Ultra-Drain Guard® 9219)..... Note: Up to 1.38 gallons oil, up to 40 lbs sediment.	132.51	
01 57 23 00-0005 EA 60" x 60" x 18" Non-Woven Polypropylene Oil and Sediment Drain Guard (Ultra-Drain Guard® 9356)..... Note: Up to 1.55 gallons oil, up to 40 lbs sediment.	130.43	
01 57 23 00-0006 EA 60" x 60" x 18" Non-Woven Polypropylene Oil and Sediment Drain Guard (Ultra-Drain Guard® 9358)..... Note: Up to 2.06 gallons oil, up to 40 lbs sediment.	161.39	
<b>01 58 Project Identification</b> <small>(01 50)</small> Note: Includes removal after use.		
<b>01 58 13 Temporary Project Signage</b> <small>(01 58)</small>		
<b>01 58 13 00-0001</b> Project Sign <small>(01 58 13)</small>		
<b>01 58 13 00-0002</b> MDO Plywood Signs <small>(01 58 13 00-0001)</small> Note: Excludes posts.		
<b>01 58 13 00-0003</b> Reflectorized, MDO Plywood Signs <small>(01 58 13 00-0002)</small>		
<b>01 58 13 00-0004</b> Engineer Grade, Reflectorized, MDO Plywood Signs <small>(01 58 13 00-0003)</small>		
01 58 13 00-0005 EA Up To 8 SF, One Or Two Color Design, Engineer Grade, Reflectorized, MDO Plywood Sign..... For High-Intensity Grade, Add 43.24 For Diamond Grade, Add 83.40	169.11	22.79
01 58 13 00-0006 EA >8 To 16 SF, One Or Two Color Design, Engineer Grade, Reflectorized, MDO Plywood Sign..... For High-Intensity Grade, Add 86.49 For Diamond Grade, Add 166.79	294.74	23.82
01 58 13 00-0007 EA >16 To 24 SF, One Or Two Color Design, Engineer Grade, Reflectorized, MDO Plywood Sign..... For High-Intensity Grade, Add 129.73 For Diamond Grade, Add 250.19	420.36	24.85
01 58 13 00-0008 EA >24 To 32 SF, One Or Two Color Design, Engineer Grade, Reflectorized, MDO Plywood Sign..... For High-Intensity Grade, Add 172.97 For Diamond Grade, Add 333.59	545.98	25.89
01 58 13 00-0009 SF >32 SF, One Or Two Color Design, Engineer Grade, Reflectorized, MDO Plywood Sign..... For High-Intensity Grade, Add 5.40 For Diamond Grade, Add 10.42	17.10	0.83
<b>01 58 13 00-0010</b> Non-Reflectorized, MDO Plywood Signs <small>(01 58 13 00-0002)</small>		
<b>01 58 13 00-0011</b> One Or Two Color Design, Non-Reflectorized, MDO Plywood Signs <small>(01 58 13 00-0010)</small>		
01 58 13 00-0012 EA Up To 8 SF, One Or Two Color Design, Non-Reflectorized, MDO Plywood Sign.....	213.19	22.79
01 58 13 00-0013 EA >8 To 16 SF, One Or Two Color Design, Non-Reflectorized, MDO Plywood Sign.....	255.27	23.82
01 58 13 00-0014 EA >16 To 24 SF, One Or Two Color Design, Non-Reflectorized, MDO Plywood Sign.....	321.15	24.85
01 58 13 00-0015 EA >24 To 32 SF, One Or Two Color Design, Non-Reflectorized, MDO Plywood Sign.....	383.34	25.89
01 58 13 00-0016 SF >32 SF, One Or Two Color Design, Non-Reflectorized, MDO Plywood Sign.....	12.02	0.83
<b>01 58 13 00-0017</b> Full Color Design, Non-Reflectorized, MDO Plywood Signs <small>(01 58 13 00-0010)</small>		
01 58 13 00-0018 EA Up To 8 SF, Full Color Design, Non-Reflectorized, MDO Plywood Sign.....	217.90	22.79
01 58 13 00-0019 EA >8 To 16 SF, Full Color Design, Non-Reflectorized, MDO Plywood Sign.....	280.72	23.82
01 58 13 00-0020 EA >16 To 24 SF, Full Color Design, Non-Reflectorized, MDO Plywood Sign.....	347.00	24.85

<b>01</b>	<b>01</b>	<b>General Requirements</b>
	<b>01 50</b>	<b>Temporary Facilities and Controls</b>
	<b>01 58</b>	<b>Project Identification</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 58 13 00-0021 EA >24 To 32 SF, Full Color Design, Non-Reflectorized, MDO Plywood Sign .....	405.50	25.89
01 58 13 00-0022 SF >32 SF, Full Color Design, Non-Reflectorized, MDO Plywood Sign .....	12.71	0.83
<b>01 58 13 00-0023 Fabricate And Install New Posts</b> <small>(01 58 13 00-0001)</small> Note: Includes excavation, backfill and compaction. Excludes core drilling.		
01 58 13 00-0024 LF Galvanized Metal Channel Sign Posts.....	17.71	
01 58 13 00-0025 LF 4" x 4" Pressure Treated Wood Sign Posts .....	12.98	
01 58 13 00-0026 LF 4" x 6" Pressure Treated Wood Sign Posts .....	15.87	
<b>01 58 13 00-0027 Owner Supplied Signs</b> <small>(01 58 13 00-0001)</small>		
01 58 13 00-0028 EA Installation And Removal Of Owner Supplied Project Sign .....	82.85	

**01 60 Product Requirements** (01)

**01 66 Product Storage and Handling Requirements** (01 60)

**01 66 19 Product Handling Requirements** (01 66)

Note: Not for use in conjunction with other tasks when the distance is less than 2 stories or less than 125'.

<b>01 66 19 00-0001 Transfer Delivered Materials Between Floors</b> <small>(01 66 19)</small> Note: For moving delivered, owner supplied or existing materials in a building.		
01 66 19 00-0002 CY Transfer Delivered Material Between Floors Via Stairs, Per Floor .....	15.93	
Note: Quantity equals volume of materials multiplied by number of floors traveled.		
01 66 19 00-0003 CY Transfer Delivered Material Between Floors Via Elevator, Per Trip .....	10.36	
Note: Quantity is not multiplied by number of floors traveled. Includes transfer of materials between elevators, if more than one bank of elevators is required.		
<b>01 66 19 00-0004 Transfer Delivered Materials Distances Greater Than 125'</b> <small>(01 66 19)</small> Note: For moving delivered, owner supplied or existing materials in a building.		
01 66 19 00-0005 CY Transfer Delivered Materials Distances Greater Than 125', Per CY Of Material Per 125' .....	6.47	
<b>01 66 19 00-0006 Transfer Demolition Debris Between Floors</b> <small>(01 66 19)</small> Note: Only for use with demolition tasks.		
01 66 19 00-0007 CY Transfer Demolition Debris Between Floors Via Stairs, Per Floor .....	15.93	
Note: Quantity equals material volume times bulk factor times number of floors traveled.		
01 66 19 00-0008 CY Transfer Demolition Debris Between Floors Via Elevator, Per Trip .....	10.36	
Note: Quantity is not multiplied by number of floors traveled. Includes transfer of materials between elevators, if more than one bank of elevators is required.		
<b>01 66 19 00-0009 Transfer Demolition Debris Distances Greater Than 125'</b> <small>(01 66 19)</small> Note: Only for use with demolition tasks.		
01 66 19 00-0010 CY Transfer Demolition Debris Distances Greater Than 125', Per CY Of Material Per 125' .....	6.47	
<b>01 66 19 00-0011 Moving Furniture And Furnishings</b> <small>(01 66 19)</small> Note: To be used when contractor is required to move furniture and furnishings occupying 55% or more of the total floor space.		
01 66 19 00-0012 SF Removal, Transportation, Return And Reinstallation Of Office Furniture And Furnishings .....	1.03	
Note: Includes desks, tables, file cabinets, chairs, storage boxes, bookshelves, office equipment, computers, and other furniture and furnishings. Quantity equals total floor space.		

**01 70 Execution and Closeout Requirements** (01)

**01 71 Examination and Preparation** (01 70)

**01 71 13 Mobilization** (01 71)

<b>01 71 13 00-0001 Equipment Delivery, Pickup, Mobilization And Demobilization</b> <small>(01 71 13)</small> Note: Excludes flagman for traffic control where necessary. Per each mobilization delivery. See CSI section 01 22 23 00-0830 for cranes.		
01 71 13 00-0002 EA Equipment Delivery, Pickup, Mobilization And Demobilization Using A Rollback Flatbed Truck .....	475.57	
Note: Includes loading, tie-down of equipment, delivery of equipment, off loading on site, rigging, dismantling, loading for return and transporting away. For equipment such as trenchers, skid-steer loaders (bobcats), industrial warehouse forklifts, sweepers, scissor platform lifts, telescoping and articulating boom man lifts with up to 40' boom lengths, etc.		
01 71 13 00-0003 EA Equipment Delivery, Pickup, Mobilization And Demobilization Using A Tractor Trailer With Up To 53' Bed .....	1,532.71	
Note: Includes loading, tie-down of equipment, delivery of equipment, off loading on site, rigging, dismantling, loading for return and transporting away. For equipment such as bulldozers, motor scrapers, hydraulic excavators, gradalls, road graders, loader-backhoes, heavy duty construction loaders, tractors, pavers, rollers, bridge finishers, straight mast construction forklifts, telescoping boom rough terrain construction forklifts, telescoping and articulating boom man lifts with >40' boom lengths, etc.		
<b>01 71 13 00-0004 Crane Delivery, Pickup, Mobilization And Demobilization</b> <small>(01 71 13)</small> Note: Includes delivery of equipment, off loading on site and rigging. Pick-up (return) includes dismantling, loading and transporting away. Excludes flagman for traffic control where necessary.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 71 13 00-0005 EA Up To 20 Ton Lift Move On/Off Cost, Hydraulic Crane.....	507.27	
Note: Includes delivery and pickup.		
<i>For &gt;30 To 60 Miles Radius, Add</i>	126.82	
<i>For &gt;60 To 100 Miles Radius, Add</i>	202.91	
01 71 13 00-0006 EA >20 To 40 Ton Lift Move On/Off Cost, Hydraulic Crane .....	824.32	
Note: Includes delivery and pickup.		
<i>For &gt;30 To 60 Miles Radius, Add</i>	206.08	
<i>For &gt;60 To 100 Miles Radius, Add</i>	329.73	
01 71 13 00-0007 EA >40 To 70 Ton Lift Move On/Off Cost, Hydraulic Crane .....	1,141.36	
Note: Includes delivery and pickup.		
<i>For &gt;30 To 60 Miles Radius, Add</i>	285.34	
<i>For &gt;60 To 100 Miles Radius, Add</i>	456.54	
01 71 13 00-0008 EA >70 To 110 Ton Lift Move On/Off Cost, Hydraulic Crane .....	1,838.85	
Note: Includes delivery and pickup.		
<i>For &gt;30 To 60 Miles Radius, Add</i>	459.71	
<i>For &gt;60 To 100 Miles Radius, Add</i>	735.54	
01 71 13 00-0009 EA >110 To 125 Ton Lift Move On/Off Cost, Hydraulic Crane .....	2,308.08	
Note: Includes delivery and pickup.		
<i>For &gt;30 To 60 Miles Radius, Add</i>	577.02	
<i>For &gt;60 To 100 Miles Radius, Add</i>	923.23	
01 71 13 00-0010 EA >125 To 150 Ton Lift Move On/Off Cost, Hydraulic Crane .....	2,872.42	
Note: Includes delivery and pickup.		
<i>For &gt;30 To 60 Miles Radius, Add</i>	718.11	
<i>For &gt;60 To 100 Miles Radius, Add</i>	1,148.97	
01 71 13 00-0011 EA >150 To 185 Ton Lift Move On/Off Cost, Hydraulic Crane .....	3,309.94	
Note: Includes delivery and pickup.		
<i>For &gt;30 To 60 Miles Radius, Add</i>	827.49	
<i>For &gt;60 To 100 Miles Radius, Add</i>	1,323.98	
01 71 13 00-0012 EA >185 To 210 Ton Lift Move On/Off Cost, Hydraulic Crane .....	3,703.08	
Note: Includes delivery and pickup.		
<i>For &gt;30 To 60 Miles Radius, Add</i>	925.77	
<i>For &gt;60 To 100 Miles Radius, Add</i>	1,481.23	
01 71 13 00-0013 EA 75 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane.....	1,965.67	
Note: Includes delivery, rigging and pickup.		
<i>For &gt;30 To 60 Miles Radius, Add</i>	491.42	
<i>For &gt;60 To 100 Miles Radius, Add</i>	786.27	
01 71 13 00-0014 EA 100 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane.....	3,107.04	
Note: Includes delivery, rigging and pickup.		
<i>For &gt;30 To 60 Miles Radius, Add</i>	776.76	
<i>For &gt;60 To 100 Miles Radius, Add</i>	1,242.82	
01 71 13 00-0015 EA 125 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane.....	3,931.35	
Note: Includes delivery, rigging and pickup.		
<i>For &gt;30 To 60 Miles Radius, Add</i>	982.84	
<i>For &gt;60 To 100 Miles Radius, Add</i>	1,572.54	
01 71 13 00-0016 EA 150 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane.....	4,882.48	
Note: Includes delivery, rigging and pickup.		
<i>For &gt;30 To 60 Miles Radius, Add</i>	1,220.62	
<i>For &gt;60 To 100 Miles Radius, Add</i>	1,952.99	
01 71 13 00-0017 EA 200 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane.....	6,087.25	
Note: Includes delivery, rigging and pickup.		
<i>For &gt;30 To 60 Miles Radius, Add</i>	1,521.81	
<i>For &gt;60 To 100 Miles Radius, Add</i>	2,434.90	
01 71 13 00-0018 EA 250 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane.....	7,101.79	
Note: Includes delivery, rigging and pickup.		
<i>For &gt;30 To 60 Miles Radius, Add</i>	1,775.45	
<i>For &gt;60 To 100 Miles Radius, Add</i>	2,840.72	
01 71 13 00-0019 EA 300 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane.....	10,145.42	
Note: Includes delivery, rigging and pickup.		
<i>For &gt;30 To 60 Miles Radius, Add</i>	2,536.36	
<i>For &gt;60 To 100 Miles Radius, Add</i>	4,058.17	
01 71 13 00-0020 EA 500 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane.....	13,911.90	
Note: Includes delivery, rigging and pickup.		
<i>For &gt;30 To 60 Miles Radius, Add</i>	3,477.98	
<i>For &gt;60 To 100 Miles Radius, Add</i>	5,564.76	

**01 71 23 Field Engineering** (01 71)

**01 71 23 16 Construction Surveying** (01 71 23)

**01 71 23 16-0001 Conventional Topographic Survey** (01 71 23 16)

Note: The professional services include AutoCAD drafting and certification. The survey includes location of structures, walks, drives, parking, significant vegetation, utilities, etc. The area within building footprint is not to be considered as part of the acreage.

01 71 23 16-0002	ACR Conventional Topographic Survey Of Clear Area With Few To No Obstacles .....	1,228.55
01 71 23 16-0003	ACR Conventional Topographic Survey Of Clear Area With Medium Height Vegetation, Few Trees (<5% Buildings).....	3,406.17
01 71 23 16-0004	ACR Conventional Topographic Survey Of Clear Area With Few Structures, And/or Wooded (5-25% Buildings).....	4,894.98
01 71 23 16-0005	ACR Conventional Topographic Survey Of Developed Areas With Several Structures (25-65% Buildings).....	7,332.58
01 71 23 16-0006	ACR Conventional Topographic Survey Of Highly Developed Areas, Sidewalks, Etcetera (>65% Buildings) .....	9,169.54

**01 71 23 16-0007 Property Lines Survey** (01 71 23 16)

Note: Not to be added to tasks in the "Conventional Topographic Survey" section.

01 71 23 16-0008	LF Survey Property Lines On Cleared Land .....	2.68
01 71 23 16-0009	LF Survey Property Lines On Slightly Wooded Land .....	3.10
01 71 23 16-0010	LF Survey Property Lines On Wooded Land .....	3.63

<b>01</b>	<b>01</b>	<b>General Requirements</b>
	<b>01 70</b>	<b>Execution and Closeout Requirements</b>
	<b>01 71</b>	<b>Examination and Preparation</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>01 71 23 16-0011</b>	<b>Survey Monument</b> <small>(01 71 23 16)</small>		
01 71 23 16-0012	EA 3' Precast Survey Monument.....	196.69	
	<i>For Owner Furnished Monument, Deduct</i>	-75.66	
01 71 23 16-0013	EA Precast Survey Monument Box With Cast Iron Frame And Cover.....	295.41	
01 71 23 16-0014	EA Riser Ring For Survey Monument.....	153.14	
01 71 23 16-0015	EA Adjust Survey Monument Cover To Grade.....	227.00	

<b>01 71 23 16-0016</b>	<b>Facade Surveying</b> <small>(01 71 23 16)</small>		
01 71 23 16-0017	LF Facade Survey And Reports (LF Of Facade x Number Of Floors).....	7.36	

<b>01 71 23 16-0018</b>	<b>Utility Survey</b> <small>(01 71 23 16)</small>		
	<i>Note: This survey is only for the location of underground utilities.</i>		
01 71 23 16-0019	ACR Survey Clear Area For Underground Utilities.....	6,222.69	

**01 71 36 Non-Destructive Concrete Examination** (01 71)

<b>01 71 36 00-0001</b>	<b>Electromagnetic Survey</b> <small>(01 71 36)</small>		
	<i>Note: To locate voids, prior to moving heavy machinery to an area of concern, to locate reinforcing bars, conduits, pipes, etc., prior to core drilling or cutting existing concrete, masonry or asphalt, to locate underground utilities, underground storage tanks, etc. Electromagnetic survey includes Subsurface Interface Radar (SIR) and/or Ground Penetrating Radar (GPR).</i>		

<b>01 71 36 00-0002</b>	<b>Electromagnetic (SIR/GPR) Survey</b> <small>(01 71 36 00-0001)</small>		
01 71 36 00-0003	EA Up To 1 Hour On Site, Electromagnetic (SIR/GPR) Survey, Earth, Concrete, Masonry Or Asphalt.....	1,120.20	
01 71 36 00-0004	EA >1 To 4 Hours On Site, Electromagnetic (SIR/GPR) Survey, Earth, Concrete, Masonry Or Asphalt.....	1,680.30	
01 71 36 00-0005	EA >4 To 8 Hours On Site, Electromagnetic (SIR/GPR) Survey, Earth, Concrete, Masonry Or Asphalt.....	3,360.60	

<b>01 71 36 00-0006</b>	<b>Reports And Mapping For Electromagnetic (SIR/GPR) Surveys</b> <small>(01 71 36 00-0001)</small>		
01 71 36 00-0007	EA Standard Report For Electromagnetic (SIR/GPR) Survey, Earth, Concrete, Masonry Or Asphalt.....	373.40	
	<i>Note: Includes a detailed description of the scope of work, inspection methods, and equipment used. Also includes visuals such as site locations, images of data, and site photos.</i>		
01 71 36 00-0008	EA GPS Mapping Of Located Utilities/Items For Electromagnetic (SIR/GPR) Survey, Earth, Concrete, Masonry Or Asphalt.....	746.80	
	<i>Note: Includes GPS coordinates of located items and reference items.</i>		
01 71 36 00-0009	EA CAD Mapping Of Located Utilities/Items For Electromagnetic (SIR/GPR) Survey, Earth, Concrete, Masonry Or Asphalt.....	1,680.30	
	<i>Note: Includes additions to the owner provided CAD drawing.</i>		

**01 74 Cleaning and Waste Management** (01 70)

<b>01 74 13</b>	<b>Progress Cleaning</b> <small>(01 74)</small>		
	<i>Note: For use on existing areas other than where actual work is to be performed where ordered by the owner. Daily cleanup and final cleanup is included in the contractor's adjustment factor.</i>		

<b>01 74 13 00-0001</b>	<b>General</b> <small>(01 74 13)</small>		
01 74 13 00-0002	CSF Clean Miscellaneous Surfaces, Wipe Down With Mild Detergent.....	20.74	
01 74 13 00-0003	CY Collect Existing Debris And Load Into Truck Or Dumpster.....	24.29	
	<i>Note: Per CY of debris removed.</i>		

**01 74 16 Site Maintenance** (01 74)

<b>01 74 16 00-0001</b>	<b>Parking Lot, Roads And Pathway Maintenance</b> <small>(01 74 16)</small>		
	<i>Note: These tasks shall be used for maintenance of existing roads and walks only as requested by the owner. Tasks not to be used in conjunction with related installation/demolition tasks in the Construction Task Catalog®.</i>		
<b>01 74 16 00-0002</b>	<b>Parking Lot, Road, And Street Sweeping</b> <small>(01 74 16 00-0001)</small>		
01 74 16 00-0003	MSF Sweep Parking Lot, With Street Sweeper.....	22.67	
01 74 16 00-0004	MSF Sweeper/Vacuum/Sprayer For Parking Lots, Streets And Roads.....	27.21	

<b>01 74 16 00-0005</b>	<b>Runway Sweeping</b> <small>(01 74 16 00-0001)</small>		
01 74 16 00-0006	MSF Sweep Runway, With Street Sweep.....	34.01	

**01 74 19 Construction Waste Management and Disposal** (01 74)

	<i>Note: Tasks in this section shall be used as directed by owner.</i>		
<b>01 74 19 00-0001</b>	<b>Debris Chutes</b> <small>(01 74 19)</small>		
	<i>Note: Includes hopper sections and entry sections. Used as required for buildings of all heights.</i>		
<b>01 74 19 00-0002</b>	<b>Steel Temporary Debris Chutes</b> <small>(01 74 19 00-0001)</small>		
01 74 19 00-0003	LF 18" Diameter, Steel Temporary Debris Chute.....	40.07	
01 74 19 00-0004	LF 30" Diameter, Steel Temporary Debris Chute.....	61.11	

<b>01 74 19 00-0005</b>	<b>Plastic Temporary Debris Chutes</b> <small>(01 74 19 00-0001)</small>		
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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 74 19 00-0006 LF 24" Diameter, Plastic Temporary Debris Chute ..... <i>For Steel Liner, Add</i>	15.88 3.16	
01 74 19 00-0007 LF 30" Diameter, Plastic Temporary Debris Chute ..... <i>For Steel Liner, Add</i>	18.20 3.62	
01 74 19 00-0008 LF 36" Diameter, Plastic Temporary Debris Chute ..... <i>For Steel Liner, Add</i>	20.51 4.08	
<b>01 74 19 00-0009 Wood Temporary Debris Chutes</b> (01 74 19 00-0001)		
01 74 19 00-0010 LF 4' x 4', Wood Temporary Debris Chute ..... Note: Includes fabrication and installation.	31.75	
<b>01 74 19 00-0011 Construction Dumpsters Rental</b> (01 74 19)		
Note: Includes service to delivery and pick-up of dumpster, hauling of debris, rental of dumpster and all applicable non-hazardous disposal fees. Cost of "each" is based on each pick-up. Use modifier for excess tons up to legal state limit. Unacceptable materials include: aerosol cans, all liquids, animals, antifreeze, appliances, asbestos, barrels, batteries, chemical products, computers, contaminated oils (mixed with solvents, gasoline, etc.), dirt, fluorescent tubes, hazardous waste, herbicides and pesticides, industrial waste, lubricating/hydraulic oil, mattresses, medical waste, microwaves, monitors, motor oil, oil filters, other flammable liquids, paint (except completely dried latex paint cans, no liquids), petroleum-contaminated soil/lead paint chips, propane tanks, radioactive material, railroad ties, solvents, televisions, tires, and transmission oil.		
01 74 19 00-0012 EA 10 CY Dumpster (1.5 Ton) "Construction Debris" ..... Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material. <i>For Each Ton Over Indicated Amount, Add</i>	478.94 87.17	
01 74 19 00-0013 EA 15 CY Dumpster (2 Ton) "Construction Debris" ..... Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material. <i>For Each Ton Over Indicated Amount, Add</i>	541.37 87.17	
01 74 19 00-0014 EA 20 CY Dumpster (3 Ton) "Construction Debris" ..... Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material. <i>For Each Ton Over Indicated Amount, Add</i>	650.48 87.17	
01 74 19 00-0015 EA 30 CY Dumpster (4 Ton) "Construction Debris" ..... Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material. <i>For Each Ton Over Indicated Amount, Add</i>	810.47 87.17	
01 74 19 00-0016 EA 40 CY Dumpster (5 Ton) "Construction Debris" ..... Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material. <i>For Each Ton Over Indicated Amount, Add</i>	875.04 87.17	
01 74 19 00-0017 EA 10 CY Low-Boy Dumpster "Concrete Or Asphalt Only" ..... Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Concrete or asphalt only.	767.53	
01 74 19 00-0018 EA 15 CY Low-Boy Dumpster Clean Recyclable ..... Note: For clean dirt, rock, concrete brick or asphalt with no trash or organics. Includes service to deliver and pick-up dumpster, hauling, rental and disposal fee.	837.53	
01 74 19 00-0019 EA 15 CY Low-Boy Dumpster Mixed Recyclable ..... Note: For mixed dirt, rock, concrete brick or asphalt with no trash or organics. Includes service to deliver and pick-up dumpster, hauling, rental and disposal fee.	900.04	
<b>01 74 19 00-0020 Concrete Washout Service</b> (01 74 19)		
01 74 19 00-0021 MO Ramplless Concrete Washout Bin ..... Note: Includes delivery.	559.79	
01 74 19 00-0022 MO Ramped Concrete Washout Bin ..... Note: Includes delivery.	671.75	
01 74 19 00-0023 EA Interim Vacuum Service, Concrete Washout Bin ..... Note: Includes vacuum and recycle excess clear liquid from the unfilled bin to allow additional space for washout material.	617.19	
01 74 19 00-0024 EA Vacuum, Pickup, Swap And Dump, Concrete Washout Bin ..... Note: Includes vacuum the liquid from the full bin and pick up the bin, and recycle all material. An empty bin will be left at the site if the project is not completed.	1,337.24	
<b>01 74 19 00-0025 Debris Processing Fee</b> (01 74 19)		
<b>01 74 19 00-0026 Material Recycling Fees</b> (01 74 19 00-0025)		
Note: Not to be used with Dumpster Tasks which includes the Landfill Dump Fee. Excludes hauling.		
01 74 19 00-0027 CY Drop-Off Asphalt At Recycling Center .....	19.67	
01 74 19 00-0028 CY Drop-Off Non-Reinforced Concrete At Recycling Center .....	26.35	
01 74 19 00-0029 CY Drop-Off Reinforced Concrete At Recycling Center .....	39.52	
01 74 19 00-0030 CY Drop-Off Brick Or Block At Recycling Center .....	34.25	
01 74 19 00-0031 CY Drop-Off Dirt At Recycling Center .....	38.20	
01 74 19 00-0032 CY Drop-Off Dimensional Lumber At Recycling Center .....	36.89	
<b>01 74 19 00-0033 Landfill Dump Fees</b> (01 74 19 00-0025)		
Note: Does not apply when material is transferred to owner's site or facility, or with use of dumpsters. Excludes hauling. See CSI section 01 74 19 00-0055 for hauling.		
01 74 19 00-0034 TRK Dump Fee, Min. Load (Up To 640 Lbs) .....	22.95	
01 74 19 00-0035 CY Traditional Building Construction Materials Landfill Dump Fee .....	17.53	
01 74 19 00-0036 TON Traditional Building Construction Materials, Landfill Dump Fee .....	76.41	
01 74 19 00-0037 CY Trees, Stumps And Brush, Landfill Dump Fee .....	21.10	
01 74 19 00-0038 CY Hazardous Materials And Rubbish Landfill Dump Fee ..... Note: Includes regulated waste such as paint cans, refrigerators/freezers, air conditioners, smoke detectors, batteries, etc.	50.33	
01 74 19 00-0039 CY Asphalt, Concrete, Gravel And Subgrade Material, Landfill Dump Fee .....	35.76	
01 74 19 00-0040 CY Non-Reinforced Concrete And/Or Rock, 2" Minus .....	4.20	

<b>01</b>	<b>General Requirements</b>
<b>01 70</b>	<b>Execution and Closeout Requirements</b>
<b>01 74</b>	<b>Cleaning and Waste Management</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 74 19 00-0041 CY Reinforced Concrete And/Or Rock, 2" Minus, Rebar Trimmed To 1".....	5.85	
01 74 19 00-0042 CY Reinforced Concrete not trimmed, 2" Minus .....	10.40	
01 74 19 00-0043 CY Mixed Asphalt And Concrete, Sized And Trimmed .....	7.68	
01 74 19 00-0044 CY Asphalt Or Asphalt And Dirt, Sized To 2" Minus .....	5.85	
01 74 19 00-0045 CY Reinforced Concrete And Asphalt, Not Trimmed, 2" Minus .....	12.50	
01 74 19 00-0046 CY Clean Dirt (No Grass, Weeds, Roots, Plants, Trash).....	51.20	
01 74 19 00-0047 CY Clay Loads, Expansive Materials.....	64.00	
01 74 19 00-0048 CY Clean Asphalt, Sized 2" Minus, No Dirt.....	9.14	
01 74 19 00-0049 TON General Refuse.....	96.38	
<i>For Hard To Handle Materials, Add</i>	<i>10.00</i>	
01 74 19 00-0050 EA Disposal Of Tires - Passenger .....	2.29	
Note: Up to 10 car tires. Use bulk rate for quantities over 10.		
01 74 19 00-0051 EA Disposal Of Tires - Truck .....	11.47	
Note: Up to 5 truck tires. Use bulk rate for quantities over 5.		
01 74 19 00-0052 EA Disposal Of Tires - Tractor.....	17.21	
Note: Up to 4 tractor tires. Use bulk rate for quantities over 4.		
01 74 19 00-0053 TON Disposal Of Tires - Bulk .....	218.01	
Note: Includes cut tires and tire strips.		
01 74 19 00-0054 TON Certified Pesticide Containers.....	119.54	
<b>01 74 19 00-0055 Hauling</b> <small>(01 74 19)</small>		
Note: Includes driver and equipment, ten (10) to fifteen (15) minutes load time, time for travel, dump time and return (roundtrip). The task quantity is the number of miles to the disposal site/transfer station (one way mileage) times the number of cubic yards being transported. For example, to haul 8 CY to a site 14 miles away, the quantity is calculated as follows: 14 miles x 8 CY = 112 CYM. Use both hauling tasks for distances greater than 15 miles. To haul 28 CY to a site 32 miles away, the quantity for the task to haul the first 15 miles is calculated: 15 miles x 28 CY = 420 CYM. The quantity for the additional hauling task over the first 15 miles is calculated: 32 total miles less 15 initial miles equals 17 miles x 28 CY = 476 CYM.		
01 74 19 00-0056 CYM Hauling On Paved Roads, First 15 Miles .....	0.99	
01 74 19 00-0057 CYM Hauling On Paved Roads, Miles Over Initial 15 Miles.....	0.66	
01 74 19 00-0058 CYM Hauling On Unimproved Roads, First 15 Miles .....	1.52	
01 74 19 00-0059 CYM Hauling On Unimproved Roads, Miles Over Initial 15 Miles.....	1.19	
<b>01 74 23 Final Cleaning</b> <small>(01 74)</small>		
<b>01 74 23 00-0001 Cleaning Of Glass</b> <small>(01 74 23)</small>		
01 74 23 00-0002 CSF Cleaning Of Existing Glass Surfaces .....	28.57	

**END OF SECTION 01**



<b>Existing Conditions</b>	<b>02</b>	<b>02</b>
Assessment	02 20	
Existing Material Assessment	02 25	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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## 02 Existing Conditions

### 02 20 Assessment <sup>(02)</sup>

#### 02 25 Existing Material Assessment <sup>(02 20)</sup>

##### 02 25 16 Existing Concrete, Masonry or Asphalt Assessment <sup>(02 25)</sup>

See CSI section 01 71 36 00-0000 for non-destructive concrete examination.

##### 02 25 16 13 Concrete Assessment Drilling <sup>(02 25 16)</sup>

See CSI section 01 71 36 00-0000 for non-destructive concrete examination.

### 02 30 Subsurface Investigation <sup>(02)</sup>

#### 02 32 Geotechnical Investigations <sup>(02 30)</sup>

##### 02 32 13 Subsurface Drilling and Sampling <sup>(02 32)</sup>

See CSI section 01 45 23 00-0000 for testing and lab reports.

##### 02 32 13 00-0001 Mobilization Of Drilling Crew <sup>(02 32 13)</sup>

02 32 13 00-0002 EA Mobilization Of Drilling Crew ..... 1,157.48

##### 02 32 13 00-0003 Auger Borings <sup>(02 32 13)</sup>

02 32 13 00-0004 LF Standard Auger Hole With Split Spoon Sample At 5' Intervals ..... 34.86

##### 02 32 13 00-0005 Cased Borings In Earth, With Samples <sup>(02 32 13)</sup>

Note: All types of soils.

02 32 13 00-0006 LF 2-1/2" Diameter Cased Borings In Earth, With Samples ..... 91.99

02 32 13 00-0007 LF 4" Diameter Cased Borings In Earth, With Samples ..... 157.33

##### 02 32 13 00-0008 Drilling In Rock, BW Core (2.125") <sup>(02 32 13)</sup>

02 32 13 00-0009 LF Drill In Rock, BW Core, With Casing ..... 96.94

Note: Includes sampling.

02 32 13 00-0010 EA Drill In Rock, With BW Core Boxes ..... 9.29

##### 02 32 13 00-0011 Drilling In Rock, NW Core (2.98") <sup>(02 32 13)</sup>

02 32 13 00-0012 LF Drill In Rock, NW Core, With Casing ..... 125.44

Note: Includes sampling.

02 32 13 00-0013 EA Drill In Rock, With NW Core Boxes ..... 10.68

##### 02 32 13 00-0014 Test Pits For Boring Activities <sup>(02 32 13)</sup>

Note: Excludes backfill. See CSI section 31 23 16 36-0016 for backfill.

##### 02 32 13 00-0015 Backhoe Dug Test Pits <sup>(02 32 13 00-0014)</sup>

02 32 13 00-0016 CY Excavation For Test Pit, Light Material, Backhoe Excavation ..... 67.73

02 32 13 00-0017 CY Excavation For Test Pits, Medium Material, Backhoe Excavation ..... 79.03

02 32 13 00-0018 CY Excavation For Test Pit, Heavy Material, Backhoe Excavation ..... 105.38

##### 02 32 13 00-0019 Hand-Dug Test Pits <sup>(02 32 13 00-0014)</sup>

02 32 13 00-0020 CY Excavation For Test Pit, Light Soil, Hand Excavation ..... 184.08

02 32 13 00-0021 CY Excavation For Test Pit, Heavy Soil, Hand Excavation ..... 331.35

##### 02 32 13 00-0022 Shelby Tube Sampling <sup>(02 32 13)</sup>

02 32 13 00-0023 EA Shelby Tube Sampling ..... 53.94

02 32 13 00-0024 EA Penetration Test ..... 43.95

##### 02 32 13 00-0025 Grouting <sup>(02 32 13)</sup>

02 32 13 00-0026 VLF Boreholes ..... 10.23

#### 02 32 19 Exploratory Excavations <sup>(02 32)</sup>

##### 02 32 19 00-0001 Hydro Excavation <sup>(02 32 19)</sup>

Note: Assumes on-site disposal.

02 32 19 00-0002 EA Hydro Excavation, Mobilization/Demobilization ..... 167.73

02 32 19 00-0003 EA Hydro Excavation, Minimum Charge ..... 670.90

Note: For projects where the total charge is less than the "Hydro Excavation Minimum" cost, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.

02 32 19 00-0004 CY Hydro Excavation, Normal Soil Conditions (Hydro-Vac Truck) ..... 37.27

Note: Normal soil conditions consist of silt, sand and gravel.

<b>02</b>	<b>02 Existing Conditions</b>
	<b>02 30 Subsurface Investigation</b>
	<b>02 32 Geotechnical Investigations</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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02 32 19 00-0005 CY Hydro Excavation, Adverse Soil Conditions (Hydro-Vac Truck).....59.63  
 Note: Adverse soil conditions consist of clay, glacial till and rocks.

**02 40 Demolition and Structure Moving** (02)

**02 41 Demolition** (02 40)

**02 41 13 Selective Site Demolition** (02 41)

**02 41 13 13 Paving Removal** (02 41 13)

**02 41 13 13-0001 By Machine, Break-up And Leave In Place Bituminous And Concrete Paving** (02 41 13 13)

Note: Includes slabs, pavements, sidewalks and base courses. Includes work around obstacles. These tasks are not to be used in conjunction with any other loading activities or other break-up tasks. Excludes saw cutting (where required) and disposal. See CSI section 02 41 13 13-0017 for breaking-up, removal and loading as a combined operation, 02 41 19 13-0057 for saw cutting.

02 41 13 13-0002	SY	Up To 3" By Machine, Break-up And Leave In Place Bituminous Paving .....	7.25
		<i>For &gt;500 To 1,000, Deduct</i>	-0.73
		<i>For &gt;1,000 To 2,500, Deduct</i>	-1.31
		<i>For &gt;2,500 To 5,000, Deduct</i>	-1.89
		<i>For &gt;5,000 To 10,000, Deduct</i>	-2.47
		<i>For &gt;10,000, Deduct</i>	-3.05
02 41 13 13-0003	SY	>3" To 6" By Machine, Break-up And Leave In Place Bituminous Paving .....	10.88
		<i>For &gt;500 To 1,000, Deduct</i>	-1.09
		<i>For &gt;1,000 To 2,500, Deduct</i>	-1.96
		<i>For &gt;2,500 To 5,000, Deduct</i>	-2.83
		<i>For &gt;5,000 To 10,000, Deduct</i>	-3.70
		<i>For &gt;10,000, Deduct</i>	-4.57
02 41 13 13-0004	SY	Up To 3" By Machine, Break-up And Leave In Place Concrete Paving .....	14.03
		<i>For &gt;500 To 1,000, Deduct</i>	-1.40
		<i>For &gt;1,000 To 2,500, Deduct</i>	-2.53
		<i>For &gt;2,500 To 5,000, Deduct</i>	-3.65
		<i>For &gt;5,000 To 10,000, Deduct</i>	-4.77
		<i>For &gt;10,000, Deduct</i>	-5.89
02 41 13 13-0005	SY	>3" To 6" By Machine, Break-up And Leave In Place Concrete Paving .....	19.80
		<i>For &gt;500 To 1,000, Deduct</i>	-1.98
		<i>For &gt;1,000 To 2,500, Deduct</i>	-3.56
		<i>For &gt;2,500 To 5,000, Deduct</i>	-5.15
		<i>For &gt;5,000 To 10,000, Deduct</i>	-6.73
		<i>For &gt;10,000, Deduct</i>	-8.32
02 41 13 13-0006	SY	>6" To 9" By Machine, Break-up And Leave In Place Concrete Paving .....	28.05
		<i>For &gt;500 To 1,000, Deduct</i>	-2.81
		<i>For &gt;1,000 To 2,500, Deduct</i>	-5.05
		<i>For &gt;2,500 To 5,000, Deduct</i>	-7.29
		<i>For &gt;5,000 To 10,000, Deduct</i>	-9.54
		<i>For &gt;10,000, Deduct</i>	-11.78
02 41 13 13-0007	SY	>9" To 14" By Machine, Break-up And Leave In Place Concrete Paving .....	39.60
		<i>For &gt;500 To 1,000, Deduct</i>	-3.96
		<i>For &gt;1,000 To 2,500, Deduct</i>	-7.13
		<i>For &gt;2,500 To 5,000, Deduct</i>	-10.30
		<i>For &gt;5,000 To 10,000, Deduct</i>	-13.46
		<i>For &gt;10,000, Deduct</i>	-16.63
02 41 13 13-0008	SY	>14" To 19" By Machine, Break-up And Leave In Place Concrete Paving .....	51.79
		<i>For &gt;500 To 1,000, Deduct</i>	-5.18
		<i>For &gt;1,000 To 2,500, Deduct</i>	-9.32
		<i>For &gt;2,500 To 5,000, Deduct</i>	-13.47
		<i>For &gt;5,000 To 10,000, Deduct</i>	-17.61
		<i>For &gt;10,000, Deduct</i>	-21.75
02 41 13 13-0009	SY	>19" To 24" By Machine, Break-up And Leave In Place Concrete Paving .....	67.33
		<i>For &gt;500 To 1,000, Deduct</i>	-6.73
		<i>For &gt;1,000 To 2,500, Deduct</i>	-12.12
		<i>For &gt;2,500 To 5,000, Deduct</i>	-17.51
		<i>For &gt;5,000 To 10,000, Deduct</i>	-22.89
		<i>For &gt;10,000, Deduct</i>	-28.28

**02 41 13 13-0010 By Hand, Break-up And Leave In Place Bituminous And Concrete Paving** (02 41 13 13)

Note: Includes slabs, pavements, sidewalks and base courses. Includes work around obstacles with jackhammer and hand tools. For individual work areas where conventional equipment access is limited or prohibited. Task is only to be used when requested by owner. These tasks are not to be used in conjunction with any other loading activities or other break-up tasks. Excludes saw cutting (where required) and disposal. See CSI section 02 41 13 13-0017 for breaking-up, removal and loading as a combined operation, 02 41 19 13-0057 for saw cutting.

02 41 13 13-0011	SF	Up To 3" By Hand, Break-up And Leave In Place Bituminous Paving .....	1.72
02 41 13 13-0012	SF	>3" To 6" By Hand, Break-up And Leave In Place Bituminous Paving .....	2.19
02 41 13 13-0013	SF	>6" To 9" By Hand, Break-up And Leave In Place Bituminous Paving .....	2.90
02 41 13 13-0014	SF	Up To 3" By Hand, Break-up And Leave In Place Concrete Paving .....	2.17
02 41 13 13-0015	SF	>3" To 6" By Hand, Break-up And Leave In Place Concrete Paving .....	2.75
02 41 13 13-0016	SF	>6" To 9" By Hand, Break-up And Leave In Place Concrete Paving .....	3.62





<b>Existing Conditions</b>	<b>02</b>
<b>Demolition and Structure Moving</b>	<b>02 40</b>
<b>Demolition</b>	<b>02 41</b>

02

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 13 13-0017 <b>By Machine, Break-up And Remove Bituminous And Concrete Paving</b> <small>(02 41 13 13)</small>		
<small>Note: Includes slabs, pavements, sidewalks and base courses. Includes work around obstacles, breaking into manageable sizes by machine and loading into truck, dumpster or moving material to stockpile. Removal depth to include base aggregate. Excludes saw cutting (where required) and disposal. See CSI section 02 41 19 13-0057 for saw cutting.</small>		
02 41 13 13-0018 SY Up To 3" By Machine, Break-up And Remove Bituminous Paving .....	15.66	
For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add	4.70	
For Elevated Slab, Add	7.83	
For >500 To 1,000, Deduct	-1.57	
For >1,000 To 2,500, Deduct	-2.82	
For >2,500 To 5,000, Deduct	-4.07	
For >5,000 To 10,000, Deduct	-5.32	
For >10,000, Deduct	-6.58	
02 41 13 13-0019 SY >3" To 6" By Machine, Break-up And Remove Bituminous Paving .....	21.37	
For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add	6.41	
For Elevated Slab, Add	10.69	
For >500 To 1,000, Deduct	-2.14	
For >1,000 To 2,500, Deduct	-3.85	
For >2,500 To 5,000, Deduct	-5.56	
For >5,000 To 10,000, Deduct	-7.27	
For >10,000, Deduct	-8.98	
02 41 13 13-0020 SY >6" To 9" By Machine, Break-up And Remove Bituminous Paving .....	29.65	
For Elevated Slab, Add	14.83	
For >500 To 1,000, Deduct	-2.97	
For >1,000 To 2,500, Deduct	-5.34	
For >2,500 To 5,000, Deduct	-7.71	
For >5,000 To 10,000, Deduct	-10.08	
For >10,000, Deduct	-12.45	
02 41 13 13-0021 SY >9" To 12" By Machine, Break-up And Remove Bituminous Paving .....	38.70	
For Elevated Slab, Add	19.35	
For >500 To 1,000, Deduct	-3.87	
For >1,000 To 2,500, Deduct	-6.97	
For >2,500 To 5,000, Deduct	-10.06	
For >5,000 To 10,000, Deduct	-13.16	
For >10,000, Deduct	-16.25	
02 41 13 13-0022 SY >12" To 15" By Machine, Break-up And Remove Bituminous Paving .....	53.86	
For Elevated Slab, Add	26.93	
For >500 To 1,000, Deduct	-5.39	
For >1,000 To 2,500, Deduct	-9.69	
For >2,500 To 5,000, Deduct	-14.00	
For >5,000 To 10,000, Deduct	-18.31	
For >10,000, Deduct	-22.62	
02 41 13 13-0023 SY Up To 3" By Machine, Break-up And Remove Non-Reinforced Concrete Paving .....	18.01	
For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add	5.40	
For Elevated Slab, Add	9.01	
For >500 To 1,000, Deduct	-1.80	
For >1,000 To 2,500, Deduct	-3.24	
For >2,500 To 5,000, Deduct	-4.68	
For >5,000 To 10,000, Deduct	-6.12	
For >10,000, Deduct	-7.56	
02 41 13 13-0024 SY >3" To 6" By Machine, Break-up And Remove Non-Reinforced Concrete Paving .....	23.57	
For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add	7.07	
For Elevated Slab, Add	11.79	
For >500 To 1,000, Deduct	-2.36	
For >1,000 To 2,500, Deduct	-4.24	
For >2,500 To 5,000, Deduct	-6.13	
For >5,000 To 10,000, Deduct	-8.01	
For >10,000, Deduct	-9.90	
02 41 13 13-0025 SY >6" To 9" By Machine, Break-up And Remove Non-Reinforced Concrete Paving .....	42.08	
For Elevated Slab, Add	21.04	
For >500 To 1,000, Deduct	-4.21	
For >1,000 To 2,500, Deduct	-7.57	
For >2,500 To 5,000, Deduct	-10.94	
For >5,000 To 10,000, Deduct	-14.31	
For >10,000, Deduct	-17.67	
02 41 13 13-0026 SY >9" To 14" By Machine, Break-up And Remove Non-Reinforced Concrete Paving .....	54.98	
For Elevated Slab, Add	27.49	
For >500 To 1,000, Deduct	-5.50	
For >1,000 To 2,500, Deduct	-9.90	
For >2,500 To 5,000, Deduct	-14.29	
For >5,000 To 10,000, Deduct	-18.69	
For >10,000, Deduct	-23.09	
02 41 13 13-0027 SY Up To 3" By Machine, Break-up And Remove Welded Wire Reinforced Concrete Paving .....	23.90	
For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add	7.17	
For Elevated Slab, Add	11.95	
For >500 To 1,000, Deduct	-2.39	
For >1,000 To 2,500, Deduct	-4.30	
For >2,500 To 5,000, Deduct	-6.21	
For >5,000 To 10,000, Deduct	-8.13	
For >10,000, Deduct	-10.04	

<b>02</b>	<b>Existing Conditions</b>
<b>02 40</b>	<b>Demolition and Structure Moving</b>
<b>02 41</b>	<b>Demolition</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 13 13-0028 SY >3" To 6" By Machine, Break-up And Remove Welded Wire Reinforced Concrete Paving .....	30.97	
For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add	9.29	
For Elevated Slab, Add	15.49	
For >500 To 1,000, Deduct	-3.10	
For >1,000 To 2,500, Deduct	-5.57	
For >2,500 To 5,000, Deduct	-8.05	
For >5,000 To 10,000, Deduct	-10.53	
For >10,000, Deduct	-13.01	
02 41 13 13-0029 SY >6" To 9" By Machine, Break-up And Remove Welded Wire Reinforced Concrete Paving .....	51.34	
For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add	15.40	
For Elevated Slab, Add	25.67	
For >500 To 1,000, Deduct	-5.13	
For >1,000 To 2,500, Deduct	-9.24	
For >2,500 To 5,000, Deduct	-13.35	
For >5,000 To 10,000, Deduct	-17.46	
For >10,000, Deduct	-21.56	
02 41 13 13-0030 SY Up To 3" By Machine, Break-up And Remove Rod Reinforced Concrete Paving .....	25.93	
For Elevated Slab, Add	12.97	
For >500 To 1,000, Deduct	-2.59	
For >1,000 To 2,500, Deduct	-4.67	
For >2,500 To 5,000, Deduct	-6.74	
For >5,000 To 10,000, Deduct	-8.82	
For >10,000, Deduct	-10.89	
02 41 13 13-0031 SY >3" To 6" By Machine, Break-up And Remove Rod Reinforced Concrete Paving .....	33.32	
For Elevated Slab, Add	16.66	
For >500 To 1,000, Deduct	-3.33	
For >1,000 To 2,500, Deduct	-6.00	
For >2,500 To 5,000, Deduct	-8.66	
For >5,000 To 10,000, Deduct	-11.33	
For >10,000, Deduct	-13.99	
02 41 13 13-0032 SY >6" To 9" By Machine, Break-up And Remove Rod Reinforced Concrete Paving .....	59.59	
For Elevated Slab, Add	29.80	
For >500 To 1,000, Deduct	-5.96	
For >1,000 To 2,500, Deduct	-10.73	
For >2,500 To 5,000, Deduct	-15.49	
For >5,000 To 10,000, Deduct	-20.26	
For >10,000, Deduct	-25.03	
02 41 13 13-0033 SY >9" To 14" By Machine, Break-up And Remove Rod Reinforced Concrete Paving .....	77.77	
For Elevated Slab, Add	38.89	
For >500 To 1,000, Deduct	-7.78	
For >1,000 To 2,500, Deduct	-14.00	
For >2,500 To 5,000, Deduct	-20.22	
For >5,000 To 10,000, Deduct	-26.44	
For >10,000, Deduct	-32.66	
02 41 13 13-0034 SY >14" To 19" By Machine, Break-up And Remove Rod Reinforced Concrete Paving .....	101.67	
For Elevated Slab, Add	50.84	
For >500 To 1,000, Deduct	-10.17	
For >1,000 To 2,500, Deduct	-18.30	
For >2,500 To 5,000, Deduct	-26.43	
For >5,000 To 10,000, Deduct	-34.57	
For >10,000, Deduct	-42.70	
02 41 13 13-0035 SY >19" To 24" By Machine, Break-up And Remove Rod Reinforced Concrete Paving .....	123.38	
For Elevated Slab, Add	61.69	
For >500 To 1,000, Deduct	-12.34	
For >1,000 To 2,500, Deduct	-22.21	
For >2,500 To 5,000, Deduct	-32.08	
For >5,000 To 10,000, Deduct	-41.95	
For >10,000, Deduct	-51.82	
<b>02 41 13 13-0036 By Hand, Break-up And Remove Bituminous And Concrete Paving</b> <small>(02 41 13 13)</small>		
Note: Includes slabs, pavements, sidewalks and base courses. Includes work around obstacles. Work includes breaking into manageable size with jackhammer and hand tools, removal and loading onto a truck or dumpster. For individual work areas where conventional equipment access is limited or prohibited. Task is only to be used when requested by owner. Removal depth to include base aggregate. Excludes saw cutting (where required) and disposal. See CSI section 02 41 19 13-0057 for saw cutting.		
02 41 13 13-0037 SF >6" To 9" By Hand, Break-up And Remove Bituminous Paving .....	6.60	
02 41 13 13-0038 SF Up To 3" By Hand, Break-up And Remove Concrete Paving .....	4.82	
02 41 13 13-0039 SF >3" To 6" By Hand, Break-up And Remove Concrete Paving .....	6.66	
02 41 13 13-0040 SF >6" To 9" By Hand, Break-up And Remove Concrete Paving .....	8.52	
02 41 13 13-0041 SF Up To 3" By Hand, Break-up And Remove Welded Wire Reinforced Concrete Paving .....	6.76	
02 41 13 13-0042 SF >3" To 6" By Hand, Break-up And Remove Welded Wire Reinforced Concrete Paving .....	9.32	
02 41 13 13-0043 SF >6" To 9" By Hand, Break-up And Remove Welded Wire Reinforced Concrete Paving .....	11.94	
<b>02 41 13 13-0044 Grind Concrete</b> <small>(02 41 13 13)</small>		



<b>Existing Conditions</b>	<b>02</b>
<b>Demolition and Structure Moving</b>	<b>02 40</b>
<b>Demolition</b>	<b>02 41</b>

02

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 13 13-0045 EA Grind Existing Sidewalks, Up To 1/2" Depth, To Remove Ridges (Tripping Hazard).....	229.20	
Note: For each location up to 5' wide, feather up to 12" each direction.		
For >1/2" To 1" Depth Of Grinding, Add	34.38	
For >1" To 1-1/2" Depth Of Grinding, Add	57.30	
For Up To 5, Add	45.84	
For >5 To 10, Add	22.92	
For >25 To 50, Deduct	-22.92	
For >50 To 250, Deduct	-34.38	
For >250, Deduct	-45.84	
For Sidewalks >5', Add	22.92	
For Up To 12" Additional Feathering Per Side, Add	22.92	
02 41 13 13-0046 Repair Uneven Sidewalks (02 41 13 13)		
Note: (1 inch foot = 1 inch high X 1 linear foot long). Example for sample trip hazard: 1/2" high on one side, Zero on the other side, 4 linear foot long. Calculation for height would be: (1/2 + 0)/2=1/4 inch average. Calculation for length would be: 1/4 inch average X 4 feet = 1 inch foot.		
02 41 13 13-0047 IF Up To 2000 Inch Feet Repair Uneven Sidewalks.....	78.77	
02 41 13 13-0048 IF 2000 To 3000 Inch Feet Repair Uneven Sidewalks.....	74.73	
02 41 13 13-0049 IF 3000 And Up Inch Feet Repair Uneven Sidewalks.....	70.69	
<b>02 41 13 15 Hydro Demolition (02 41 13)</b>		
02 41 13 15-0001 Hydro Demolition Of Concrete Pavement (02 41 13 15)		
Note: Includes removal but excludes disposal of concrete.		
02 41 13 15-0002 SF Up To 2" Depth, Hydro Demolition, Using 40,000 PSI Water Jet.....	7.57	
02 41 13 15-0003 SF >2" To 4" Depth, Hydro Demolition, Using 40,000 PSI Water Jet.....	9.46	
02 41 13 15-0004 SF >4" To 6" Depth, Hydro Demolition, Using 40,000 PSI Water Jet.....	12.66	
02 41 13 15-0005 SF >6" To 8" Depth, Hydro Demolition, Using 40,000 PSI Water Jet.....	25.20	
<b>02 41 19 Selective Demolition (02 41)</b>		
<b>02 41 19 13 Selective Building Demolition (02 41 19)</b>		
02 41 19 13-0001 Exterior Masonry Removal (02 41 19 13)		
02 41 19 13-0002 Masonry Columns Removal (Interior And Exterior) (02 41 19 13-0001)		
02 41 19 13-0003 VLF 8" x 8" Masonry Column Removal.....	13.94	
02 41 19 13-0004 VLF 10" x 10" Masonry Column Removal.....	21.80	
02 41 19 13-0005 VLF 12" x 12" Masonry Column Removal.....	27.92	
02 41 19 13-0006 VLF 14" x 14" Masonry Column Removal.....	34.95	
02 41 19 13-0007 VLF 16" x 16" Masonry Column Removal.....	42.93	
02 41 19 13-0008 CF Masonry Column Removal, Per CF Of Masonry Removed; For Other Sizes Over 16" Square.....	24.11	
02 41 19 13-0009 Masonry Chimney Removal (02 41 19 13-0001)		
02 41 19 13-0010 CF Up To 3 CF/VLF Chimney Removal, Per CF Of Masonry Removed.....	28.28	
02 41 19 13-0011 CF >3 To 10 CF/VLF Chimney Removal, Per CF Of Masonry Removed.....	21.23	
02 41 19 13-0012 CF >10 To 20 CF/VLF Chimney Removal, Per CF Of Masonry Removed.....	16.25	
02 41 19 13-0013 CF >20 CF/VLF Chimney Removal, Per CF Of Masonry Removed.....	11.26	
02 41 19 13-0014 Remove And Reset Precast, Stone Or Masonry Coping (02 41 19 13-0001)		
Note: Includes removing, cleaning, and resetting coping with new ties and mortar. Excludes finished edge saw cutting at the intersection between demolition and undisturbed areas. See CSI section 02 41 19 13-0057 for saw cutting.		
02 41 19 13-0015 LF Up To 8" Wide, Remove And Reset Precast, Stone Or Masonry Coping.....	20.00	
02 41 19 13-0016 LF >8" To 12" Wide, Remove And Reset Precast, Stone Or Masonry Coping.....	29.59	
02 41 19 13-0017 LF >12" To 24" Wide, Remove And Reset Precast, Stone Or Masonry Coping.....	55.97	
02 41 19 13-0018 Facade Removal (02 41 19 13-0001)		
Note: Includes any saw cutting that may be required for size reduction into manageable pieces for handling and disposal. Excludes finished edge saw cutting at the intersection between demolition and undisturbed areas. See CSI section 02 41 19 13-0057 for saw cutting.		
02 41 19 13-0019 SF Stone Or Brick Veneer Facade Removal.....	5.31	
For Cleaning and Storage For Reuse, Add	7.97	
For Reinforcing, Add	0.80	
02 41 19 13-0020 Exterior Masonry Removal (02 41 19 13-0001)		
Note: Includes any saw cutting that may be required for size reduction into manageable pieces for handling and disposal. Salvage modifier includes removing mortar, scraping, cleaning, placement on pallets and storage on site. Excludes finished edge saw cutting at the intersection between demolition and undisturbed areas. See CSI section 02 41 19 13-0057 for saw cutting.		
02 41 19 13-0021 SF Demolish 4" Thick Non-Reinforced Concrete Block Exterior Wall.....	4.67	
02 41 19 13-0022 SF Demolish 6" Thick Non-Reinforced Concrete Block Exterior Wall.....	5.27	
02 41 19 13-0023 SF Demolish 8" Thick Non-Reinforced Concrete Block Exterior Wall.....	6.37	
02 41 19 13-0024 SF Demolish 10" Thick Non-Reinforced Concrete Block Exterior Wall.....	6.97	
02 41 19 13-0025 SF Demolish 12" Thick Non-Reinforced Concrete Block Exterior Wall.....	7.65	
02 41 19 13-0026 SF Demolish 16" Thick Non-Reinforced Concrete Block Exterior Wall.....	9.56	
02 41 19 13-0027 SF Demolish 4" Thick Reinforced Concrete Block Exterior Wall.....	5.52	

<b>02</b>	<b>Existing Conditions</b>
<b>02 40</b>	<b>Demolition and Structure Moving</b>
<b>02 41</b>	<b>Demolition</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0028 SF Demolish 6" Thick Reinforced Concrete Block Exterior Wall .....	6.32	
02 41 19 13-0029 SF Demolish 8" Thick Reinforced Concrete Block Exterior Wall .....	7.65	
02 41 19 13-0030 SF Demolish 10" Thick Reinforced Concrete Block Exterior Wall .....	8.36	
02 41 19 13-0031 SF Demolish 12" Thick Reinforced Concrete Block Exterior Wall .....	9.17	
02 41 19 13-0032 SF Demolish 16" Thick Reinforced Concrete Block Exterior Wall .....	11.47	
02 41 19 13-0033 SF Demolish 4" Thick Brick Exterior Wall .....	4.67	
For Cleaning and Storage For Reuse, Add	7.01	
02 41 19 13-0034 SF Demolish 6" Thick Brick Exterior Wall .....	5.27	
For Cleaning and Storage For Reuse, Add	7.91	
02 41 19 13-0035 SF Demolish 8" Thick Brick Exterior Wall .....	6.37	
For Cleaning and Storage For Reuse, Add	9.56	
02 41 19 13-0036 SF Demolish 10" Thick Brick Exterior Wall .....	6.97	
For Cleaning and Storage For Reuse, Add	10.46	
02 41 19 13-0037 SF Demolish 12" Thick Brick Exterior Wall .....	7.65	
For Cleaning and Storage For Reuse, Add	11.48	
02 41 19 13-0038 SF Demolish 16" Thick Brick Exterior Wall .....	9.56	
For Cleaning and Storage For Reuse, Add	14.34	
02 41 19 13-0039 CF Exterior Brick, Concrete Block Or Composite Removal .....	13.59	
For Cleaning and Storage For Reuse, Add	20.39	
For Reinforcing, Add	2.04	
<b>02 41 19 13-0040 Lintel Removal</b> <small>(02 41 19 13-0001)</small>		
Note: Includes any saw cutting that may be required for size reduction into manageable pieces for handling and disposal. Excludes finished edge saw cutting at the intersection between demolition and undisturbed areas. See CSI section 02 41 19 13-0057 for saw cutting.		
02 41 19 13-0041 LF Demolish Steel Lintel .....	12.61	
02 41 19 13-0042 LF Demolish Concrete Or Stone Lintel .....	16.82	
02 41 19 13-0043 LF Demolish Steel Shelf Angle .....	13.31	
<b>02 41 19 13-0044 Reinstall Lintel</b> <small>(02 41 19 13-0001)</small>		
Note: Excludes finished edge saw cutting at the intersection between demolition and undisturbed areas. See CSI section 02 41 19 13-0057 for saw cutting.		
02 41 19 13-0045 LF Clean, Prime And Paint Steel Shelf Angle Or Lintel .....	6.45	
02 41 19 13-0046 LF Reinstall Existing Concrete Or Stone Lintel .....	16.82	
02 41 19 13-0047 LF Reinstall Existing Steel Shelf Angle .....	48.53	
Note: Includes fasteners.		
02 41 19 13-0048 LF Reinstall Existing Steel Lintel .....	18.69	
02 41 19 13-0049 LF Removal And Replacement Of Steel Shelf Angle Over Window Openings At Cavity Walls .....	83.09	
02 41 19 13-0050 LF Removal And Replacement Of Steel Lintel Over Window Openings .....	161.43	
<b>02 41 19 13-0051 Exterior Concrete Wall Removal</b> <small>(02 41 19 13)</small>		
02 41 19 13-0052 SF Demolish 4" Thick Reinforced Concrete Exterior Wall .....	6.47	
02 41 19 13-0053 SF Demolish 6" Thick Reinforced Concrete Exterior Wall .....	11.74	
02 41 19 13-0054 SF Demolish 8" Thick Reinforced Concrete Exterior Wall .....	14.75	
02 41 19 13-0055 SF Demolish 10" Thick Reinforced Concrete Exterior Wall .....	17.40	
02 41 19 13-0056 SF Demolish 12" Thick Reinforced Concrete Exterior Wall .....	20.57	
<b>02 41 19 13-0057 Saw Cutting</b> <small>(02 41 19 13)</small>		
Note: Includes blade wear, water, taping off area, layout, clean-up and mist spray with wet vacuuming for dust control where necessary. For projects where the total saw cutting charge is less than the minimum charge, use task "Saw Cut Minimum Charge" exclusively. Task "Saw Cut Minimum Charge" should not be used in conjunction with any other tasks in this section.		
02 41 19 13-0058 LF Bituminous Paving Up To 4" Depth, Saw Cut .....	2.27	
For Each Additional Pass (Depth To 3"), Add	0.88	
For >250, Deduct	-0.22	
02 41 19 13-0059 LF Brick Masonry Up To 4" Depth, Saw Cut .....	8.57	
For Each Additional Pass (Depth To 3"), Add	3.40	
For >250, Deduct	-0.85	
02 41 19 13-0060 LF Concrete Block Up To 4" Depth, Saw Cut .....	7.75	
For Each Additional Pass (Depth To 3"), Add	3.07	
For >250, Deduct	-0.76	
02 41 19 13-0061 LF Non-Reinforced Concrete Slab Or Paving Up To 4" Depth, Saw Cut .....	2.60	
For Each Additional Pass (Depth To 3"), Add	1.00	
For >250, Deduct	-0.25	
02 41 19 13-0062 LF Welded Wire Reinforced Concrete Slab Up To 4" Depth, Saw Cut .....	3.43	
For Each Additional Pass (Depth To 3"), Add	1.33	
For >250, Deduct	-0.33	
02 41 19 13-0063 LF Rod Reinforced Concrete Slab Up To 4" Depth, Saw Cut .....	5.69	
For Each Additional Pass (Depth To 3"), Add	2.23	
For >250, Deduct	-0.55	
02 41 19 13-0064 LF Plain Concrete Walls Up To 4" Depth, Saw Cut .....	10.97	
For Each Additional Pass (Depth To 3"), Add	4.35	
For >250, Deduct	-1.08	
02 41 19 13-0065 LF Saw Cut Rod Reinforced Concrete Walls Up To 4" Depth .....	14.73	
For Each Additional Pass (Depth To 3"), Add	5.84	
For >250, Deduct	-1.46	
02 41 19 13-0066 LF Concrete And Asphalt Up To 4" Depth, Saw Cut In Streets .....	3.02	
For Each Additional Pass (Depth To 3"), Add	1.09	
For >250, Deduct	-0.26	



<b>Existing Conditions</b>	<b>02</b>
<b>Demolition and Structure Moving</b>	<b>02 40</b>
<b>Demolition</b>	<b>02 41</b>

02

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0067 LF Igneous Stone Pavements Up To 4" Depth, Saw Cut.....	7.77	
For Each Additional Pass (Depth To 3"), Add	3.07	
For >250, Deduct	-0.76	
02 41 19 13-0068 LF Sedimentary Stone Pavements Up To 4" Depth, Saw Cut.....	7.77	
For Each Additional Pass (Depth To 3"), Add	3.07	
For >250, Deduct	-0.76	
02 41 19 13-0069 LF Metamorphic Stone Pavements Up To 4" Depth, Saw Cut.....	7.77	
For Each Additional Pass (Depth To 3"), Add	3.07	
For >250, Deduct	-0.76	
02 41 19 13-0070 LF Terrazzo Stone Pavements Up To 4" Depth, Saw Cut.....	7.77	
For Each Additional Pass (Depth To 3"), Add	3.07	
For >250, Deduct	-0.76	
02 41 19 13-0071 EA Saw Cut Minimum Set-up Charge, One Per Project.....	1,080.54	
Note: For projects where the total saw cutting charge is less than the minimum charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		
<b>02 41 19 13-0072 Torch Cutting (02 41 19 13)</b>		
Note: Includes grinding edge		
02 41 19 13-0073 LF Up To 1/2", Torch Cut Steel Plate.....	2.98	
02 41 19 13-0074 LF >1/2" To 1" Thick, Torch Cut Steel Plate.....	5.95	
02 41 19 13-0075 LF >1" To 1-1/2" Thick, Torch Cut Steel Plate.....	8.94	
02 41 19 13-0076 LF >1-1/2" To 2" Thick, Torch Cut Steel Plate.....	11.92	
02 41 19 13-0077 LF >2" To 2-1/2" Thick, Torch Cut Steel Plate.....	14.89	
02 41 19 13-0078 LF >2-1/2" To 3" Thick, Torch Cut Steel Plate.....	17.87	
02 41 19 13-0079 EA Torch Cutting Minimum Charge.....	985.56	
Note: For projects where the total torch cutting charge is less than the minimum charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		
<b>02 41 19 13-0080 Drilling In Existing Materials (02 41 19 13)</b>		
Note: Includes drill bit wear, water, layout, set-up and clean-up.		
<b>02 41 19 13-0081 Concrete Core Drilling (02 41 19 13-0080)</b>		
<b>02 41 19 13-0082 Up To 4" Thick Concrete Core Drilling (02 41 19 13-0081)</b>		
02 41 19 13-0083 EA Drill 1" Diameter Core In Up To 4" Concrete.....	42.01	
For Horizontal Cores, Add	8.30	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	16.60	
02 41 19 13-0084 EA Drill 1-1/2" Diameter Core In Up To 4" Concrete.....	46.61	
For Horizontal Cores, Add	9.22	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	18.44	
02 41 19 13-0085 EA Drill 2" Diameter Core In Up To 4" Concrete.....	51.75	
For Horizontal Cores, Add	10.25	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	20.50	
02 41 19 13-0086 EA Drill 3" Diameter Core In Up To 4" Concrete.....	73.89	
For Horizontal Cores, Add	14.64	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	29.28	
02 41 19 13-0087 EA Drill 4" Diameter Core In Up To 4" Concrete.....	99.00	
For Horizontal Cores, Add	19.62	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	39.24	
02 41 19 13-0088 EA Drill 6" Diameter Core In Up To 4" Concrete.....	110.96	
For Horizontal Cores, Add	21.96	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	43.92	
02 41 19 13-0089 EA Drill 8" Diameter Core In Up To 4" Concrete.....	177.27	
For Horizontal Cores, Add	35.14	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	70.28	
02 41 19 13-0090 EA Drill 10" Diameter Core In Up To 4" Concrete.....	221.77	
For Horizontal Cores, Add	43.92	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	87.85	
02 41 19 13-0091 EA Drill 12" Diameter Core In Up To 4" Concrete.....	258.81	
For Horizontal Cores, Add	51.25	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	102.50	
02 41 19 13-0092 EA Drill 14" Diameter Core In Up To 4" Concrete.....	295.86	
For Horizontal Cores, Add	58.56	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	117.12	
02 41 19 13-0093 EA Drill 18" Diameter Core In Up To 4" Concrete.....	333.32	
For Horizontal Cores, Add	65.88	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	131.76	
<b>02 41 19 13-0094 &gt;4" To 6" Thick Concrete Core Drilling (02 41 19 13-0081)</b>		
02 41 19 13-0095 EA Drill 1" Diameter Core In >4" To 6" Concrete.....	60.06	
For Horizontal Cores, Add	11.86	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	23.72	
02 41 19 13-0096 EA Drill 1-1/2" Diameter Core In >4" To 6" Concrete.....	66.64	
For Horizontal Cores, Add	13.17	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	26.35	
02 41 19 13-0097 EA Drill 2" Diameter Core In >4" To 6" Concrete.....	73.96	
For Horizontal Cores, Add	14.64	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	29.28	
02 41 19 13-0098 EA Drill 3" Diameter Core In >4" To 6" Concrete.....	88.91	
For Horizontal Cores, Add	17.57	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	35.14	

**02 Existing Conditions****02 40 Demolition and Structure Moving****02 41 Demolition**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0099 EA Drill 4" Diameter Core In >4" To 6" Concrete.....	111.21	
For Horizontal Cores, Add	21.96	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	43.92	
02 41 19 13-0100 EA Drill 6" Diameter Core In >4" To 6" Concrete.....	148.15	
For Horizontal Cores, Add	29.28	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	58.56	
02 41 19 13-0101 EA Drill 8" Diameter Core In >4" To 6" Concrete.....	222.00	
For Horizontal Cores, Add	43.92	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	87.85	
02 41 19 13-0102 EA Drill 10" Diameter Core In >4" To 6" Concrete.....	259.45	
For Horizontal Cores, Add	51.25	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	102.50	
02 41 19 13-0103 EA Drill 12" Diameter Core In >4" To 6" Concrete.....	296.65	
For Horizontal Cores, Add	58.56	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	117.12	
02 41 19 13-0104 EA Drill 14" Diameter Core In >4" To 6" Concrete.....	334.07	
For Horizontal Cores, Add	65.88	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	131.76	
02 41 19 13-0105 EA Drill 18" Diameter Core In >4" To 6" Concrete.....	372.08	
For Horizontal Cores, Add	73.20	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	146.41	
<b>02 41 19 13-0106 &gt;6" To 8" Thick Concrete Core Drilling (02 41 19 13-0081)</b>		
02 41 19 13-0107 EA Drill 1" Diameter Core In >6" To 8" Concrete.....	66.28	
For Horizontal Cores, Add	13.05	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	26.09	
02 41 19 13-0108 EA Drill 1-1/2" Diameter Core In >6" To 8" Concrete.....	73.53	
For Horizontal Cores, Add	14.50	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	28.99	
02 41 19 13-0109 EA Drill 2" Diameter Core In >6" To 8" Concrete.....	81.58	
For Horizontal Cores, Add	16.11	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	32.21	
02 41 19 13-0110 EA Drill 3" Diameter Core In >6" To 8" Concrete.....	96.61	
For Horizontal Cores, Add	19.03	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	38.07	
02 41 19 13-0111 EA Drill 4" Diameter Core In >6" To 8" Concrete.....	126.33	
For Horizontal Cores, Add	24.89	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	49.78	
02 41 19 13-0112 EA Drill 6" Diameter Core In >6" To 8" Concrete.....	178.04	
For Horizontal Cores, Add	35.14	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	70.28	
02 41 19 13-0113 EA Drill 8" Diameter Core In >6" To 8" Concrete.....	295.99	
For Horizontal Cores, Add	58.56	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	117.12	
02 41 19 13-0114 EA Drill 10" Diameter Core In >6" To 8" Concrete.....	333.66	
For Horizontal Cores, Add	65.88	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	131.76	
02 41 19 13-0115 EA Drill 12" Diameter Core In >6" To 8" Concrete.....	371.14	
For Horizontal Cores, Add	73.20	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	146.41	
02 41 19 13-0116 EA Drill 14" Diameter Core In >6" To 8" Concrete.....	408.84	
For Horizontal Cores, Add	80.51	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	161.02	
02 41 19 13-0117 EA Drill 18" Diameter Core In >6" To 8" Concrete.....	447.42	
For Horizontal Cores, Add	87.85	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	175.70	
<b>02 41 19 13-0118 &gt;8" To 10" Thick Concrete Core Drilling (02 41 19 13-0081)</b>		
02 41 19 13-0119 EA Drill 1" Diameter Core In >8" To 10" Concrete.....	78.40	
For Horizontal Cores, Add	15.42	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	30.83	
02 41 19 13-0120 EA Drill 1-1/2" Diameter Core In >8" To 10" Concrete.....	86.97	
For Horizontal Cores, Add	17.13	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	34.26	
02 41 19 13-0121 EA Drill 2" Diameter Core In >8" To 10" Concrete.....	96.49	
For Horizontal Cores, Add	19.03	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	38.07	
02 41 19 13-0122 EA Drill 3" Diameter Core In >8" To 10" Concrete.....	111.63	
For Horizontal Cores, Add	21.96	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	43.92	
02 41 19 13-0123 EA Drill 4" Diameter Core In >8" To 10" Concrete.....	126.82	
For Horizontal Cores, Add	24.89	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	49.78	
02 41 19 13-0124 EA Drill 6" Diameter Core In >8" To 10" Concrete.....	178.63	
For Horizontal Cores, Add	35.14	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	70.28	
02 41 19 13-0125 EA Drill 8" Diameter Core In >8" To 10" Concrete.....	296.80	
For Horizontal Cores, Add	58.56	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	117.12	
02 41 19 13-0126 EA Drill 10" Diameter Core In >8" To 10" Concrete.....	334.72	
For Horizontal Cores, Add	65.88	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	131.76	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0127 EA Drill 12" Diameter Core In >8" To 10" Concrete.....	372.35	
<i>For Horizontal Cores, Add</i>	73.19	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	146.38	
02 41 19 13-0128 EA Drill 14" Diameter Core In >8" To 10" Concrete.....	410.45	
<i>For Horizontal Cores, Add</i>	80.51	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	161.02	
02 41 19 13-0129 EA Drill 18" Diameter Core In >8" To 10" Concrete.....	449.44	
<i>For Horizontal Cores, Add</i>	87.83	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	175.65	
<b>02 41 19 13-0130 &gt;10" To 12" Thick Concrete Core Drilling (02 41 19 13-0081)</b>		
02 41 19 13-0131 EA Drill 1" Diameter Core In >10" To 12" Concrete.....	84.62	
<i>For Horizontal Cores, Add</i>	16.60	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	33.21	
02 41 19 13-0132 EA Drill 1-1/2" Diameter Core In >10" To 12" Concrete.....	93.84	
<i>For Horizontal Cores, Add</i>	18.45	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	36.90	
02 41 19 13-0133 EA Drill 2" Diameter Core In >10" To 12" Concrete.....	104.10	
<i>For Horizontal Cores, Add</i>	20.50	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	41.00	
02 41 19 13-0134 EA Drill 3" Diameter Core In >10" To 12" Concrete.....	112.02	
<i>For Horizontal Cores, Add</i>	21.96	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	43.92	
02 41 19 13-0135 EA Drill 4" Diameter Core In >10" To 12" Concrete.....	149.28	
<i>For Horizontal Cores, Add</i>	29.28	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	58.56	
02 41 19 13-0136 EA Drill 6" Diameter Core In >10" To 12" Concrete.....	193.88	
<i>For Horizontal Cores, Add</i>	38.07	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	76.14	
02 41 19 13-0137 EA Drill 8" Diameter Core In >10" To 12" Concrete.....	312.26	
<i>For Horizontal Cores, Add</i>	61.49	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	122.98	
02 41 19 13-0138 EA Drill 10" Diameter Core In >10" To 12" Concrete.....	335.79	
<i>For Horizontal Cores, Add</i>	65.88	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	131.76	
02 41 19 13-0139 EA Drill 12" Diameter Core In >10" To 12" Concrete.....	388.37	
<i>For Horizontal Cores, Add</i>	76.14	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	152.28	
<b>02 41 19 13-0140 &gt;12" Thick Concrete Core Drilling (02 41 19 13-0081)</b>		
02 41 19 13-0141 IN Drill 1" Diameter Core In >12" Concrete.....	10.28	
<i>For Horizontal Cores, Add</i>	2.03	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	4.06	
02 41 19 13-0142 IN Drill 1-1/2" Diameter Core In >12" Concrete.....	11.41	
<i>For Horizontal Cores, Add</i>	2.26	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	4.51	
02 41 19 13-0143 IN Drill 2" Diameter Core In >12" Concrete.....	12.66	
<i>For Horizontal Cores, Add</i>	2.51	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	5.01	
02 41 19 13-0144 IN Drill 3" Diameter Core In >12" Concrete.....	13.90	
<i>For Horizontal Cores, Add</i>	2.74	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	5.49	
02 41 19 13-0145 IN Drill 4" Diameter Core In >12" Concrete.....	18.54	
<i>For Horizontal Cores, Add</i>	3.66	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	7.32	
02 41 19 13-0146 IN Drill 6" Diameter Core In >12" Concrete.....	24.10	
<i>For Horizontal Cores, Add</i>	4.76	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	9.52	
02 41 19 13-0147 IN Drill 8" Diameter Core In >12" Concrete.....	38.87	
<i>For Horizontal Cores, Add</i>	7.69	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	15.39	
02 41 19 13-0148 IN Drill 10" Diameter Core In >12" Concrete.....	41.88	
<i>For Horizontal Cores, Add</i>	8.27	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	16.54	
02 41 19 13-0149 IN Drill 12" Diameter Core In >12" Concrete.....	48.25	
<i>For Horizontal Cores, Add</i>	9.52	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	19.04	
<b>02 41 19 13-0150 Brick/Concrete Block Core Drilling (02 41 19 13-0080)</b>		
<b>02 41 19 13-0151 Up To 4" Thick Brick/Concrete Block Core Drilling (02 41 19 13-0150)</b>		
02 41 19 13-0152 EA Drill 1" Diameter Core In Up To 4" Brick/Concrete Block.....	33.71	
<i>For Horizontal Cores, Add</i>	6.64	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	13.28	
02 41 19 13-0153 EA Drill 1-1/2" Diameter Core In Up To 4" Brick/Concrete Block.....	37.38	
<i>For Horizontal Cores, Add</i>	7.38	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	14.75	
02 41 19 13-0154 EA Drill 2" Diameter Core In Up To 4" Brick/Concrete Block.....	41.50	
<i>For Horizontal Cores, Add</i>	8.20	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	16.40	

**02 Existing Conditions****02 40 Demolition and Structure Moving****02 41 Demolition**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0155 EA Drill 3" Diameter Core In Up To 4" Brick/Concrete Block.....	59.25	
For Horizontal Cores, Add	11.71	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	23.43	
02 41 19 13-0156 EA Drill 4" Diameter Core In Up To 4" Brick/Concrete Block.....	79.39	
For Horizontal Cores, Add	15.70	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	31.39	
02 41 19 13-0157 EA Drill 6" Diameter Core In Up To 4" Brick/Concrete Block.....	89.00	
For Horizontal Cores, Add	17.57	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	35.14	
02 41 19 13-0158 EA Drill 8" Diameter Core In Up To 4" Brick/Concrete Block.....	142.13	
For Horizontal Cores, Add	28.11	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	56.22	
02 41 19 13-0159 EA Drill 10" Diameter Core In Up To 4" Brick/Concrete Block.....	177.84	
For Horizontal Cores, Add	35.14	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	70.28	
02 41 19 13-0160 EA Drill 12" Diameter Core In Up To 4" Brick/Concrete Block.....	207.56	
For Horizontal Cores, Add	41.00	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	82.00	
02 41 19 13-0161 EA Drill 14" Diameter Core In Up To 4" Brick/Concrete Block.....	237.31	
For Horizontal Cores, Add	46.85	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	93.70	
02 41 19 13-0162 EA Drill 18" Diameter Core In Up To 4" Brick/Concrete Block.....	267.44	
For Horizontal Cores, Add	52.70	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	105.40	
<b>02 41 19 13-0163 &gt;4" To 6" Thick Brick/Concrete Block Core Drilling (02 41 19 13-0150)</b>		
02 41 19 13-0164 EA Drill 1" Diameter Core In >4" To 6" Brick/Concrete Block.....	48.20	
For Horizontal Cores, Add	9.49	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	18.97	
02 41 19 13-0165 EA Drill 1-1/2" Diameter Core In >4" To 6" Brick/Concrete Block.....	53.47	
For Horizontal Cores, Add	10.54	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	21.08	
02 41 19 13-0166 EA Drill 2" Diameter Core In >4" To 6" Brick/Concrete Block.....	59.33	
For Horizontal Cores, Add	11.71	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	23.42	
02 41 19 13-0167 EA Drill 3" Diameter Core In >4" To 6" Brick/Concrete Block.....	71.34	
For Horizontal Cores, Add	14.06	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	28.11	
02 41 19 13-0168 EA Drill 4" Diameter Core In >4" To 6" Brick/Concrete Block.....	89.25	
For Horizontal Cores, Add	17.57	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	35.14	
02 41 19 13-0169 EA Drill 6" Diameter Core In >4" To 6" Brick/Concrete Block.....	118.88	
For Horizontal Cores, Add	23.43	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	46.86	
02 41 19 13-0170 EA Drill 8" Diameter Core In >4" To 6" Brick/Concrete Block.....	178.07	
For Horizontal Cores, Add	35.14	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	70.28	
02 41 19 13-0171 EA Drill 10" Diameter Core In >4" To 6" Brick/Concrete Block.....	208.20	
For Horizontal Cores, Add	41.00	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	82.00	
02 41 19 13-0172 EA Drill 12" Diameter Core In >4" To 6" Brick/Concrete Block.....	238.10	
For Horizontal Cores, Add	46.85	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	93.70	
02 41 19 13-0173 EA Drill 14" Diameter Core In >4" To 6" Brick/Concrete Block.....	268.19	
For Horizontal Cores, Add	52.70	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	105.40	
02 41 19 13-0174 EA Drill 18" Diameter Core In >4" To 6" Brick/Concrete Block.....	298.88	
For Horizontal Cores, Add	58.56	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	117.13	
<b>02 41 19 13-0175 &gt;6" To 8" Thick Brick/Concrete Block Core Drilling (02 41 19 13-0150)</b>		
02 41 19 13-0176 EA Drill 1" Diameter Core In >6" To 8" Brick/Concrete Block.....	53.23	
For Horizontal Cores, Add	10.44	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	20.87	
02 41 19 13-0177 EA Drill 1-1/2" Diameter Core In >6" To 8" Brick/Concrete Block.....	59.03	
For Horizontal Cores, Add	11.60	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	23.19	
02 41 19 13-0178 EA Drill 2" Diameter Core In >6" To 8" Brick/Concrete Block.....	65.47	
For Horizontal Cores, Add	12.88	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	25.77	
02 41 19 13-0179 EA Drill 3" Diameter Core In >6" To 8" Brick/Concrete Block.....	77.58	
For Horizontal Cores, Add	15.23	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	30.46	
02 41 19 13-0180 EA Drill 4" Diameter Core In >6" To 8" Brick/Concrete Block.....	101.45	
For Horizontal Cores, Add	19.91	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	39.82	
02 41 19 13-0181 EA Drill 6" Diameter Core In >6" To 8" Brick/Concrete Block.....	142.90	
For Horizontal Cores, Add	28.11	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	56.22	
02 41 19 13-0182 EA Drill 8" Diameter Core In >6" To 8" Brick/Concrete Block.....	237.44	
For Horizontal Cores, Add	46.85	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	93.70	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0183 EA Drill 10" Diameter Core In >6" To 8" Brick/Concrete Block .....	267.78	
<i>For Horizontal Cores, Add</i>	52.70	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	105.40	
02 41 19 13-0184 EA Drill 12" Diameter Core In >6" To 8" Brick/Concrete Block .....	297.94	
<i>For Horizontal Cores, Add</i>	58.56	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	117.13	
02 41 19 13-0185 EA Drill 14" Diameter Core In >6" To 8" Brick/Concrete Block .....	328.33	
<i>For Horizontal Cores, Add</i>	64.41	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	128.82	
02 41 19 13-0186 EA Drill 18" Diameter Core In >6" To 8" Brick/Concrete Block .....	359.58	
<i>For Horizontal Cores, Add</i>	70.28	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	140.56	
<b>02 41 19 13-0187 &gt;8" To 10" Thick Brick/Concrete Block Core Drilling (02 41 19 13-0150)</b>		
02 41 19 13-0188 EA Drill 1" Diameter Core In >8" To 10" Brick/Concrete Block .....	62.99	
<i>For Horizontal Cores, Add</i>	12.33	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	24.67	
02 41 19 13-0189 EA Drill 1-1/2" Diameter Core In >8" To 10" Brick/Concrete Block .....	69.84	
<i>For Horizontal Cores, Add</i>	13.70	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	27.41	
02 41 19 13-0190 EA Drill 2" Diameter Core In >8" To 10" Brick/Concrete Block .....	77.45	
<i>For Horizontal Cores, Add</i>	15.23	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	30.45	
02 41 19 13-0191 EA Drill 3" Diameter Core In >8" To 10" Brick/Concrete Block .....	89.67	
<i>For Horizontal Cores, Add</i>	17.57	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	35.14	
02 41 19 13-0192 EA Drill 4" Diameter Core In >8" To 10" Brick/Concrete Block .....	101.94	
<i>For Horizontal Cores, Add</i>	19.91	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	39.82	
02 41 19 13-0193 EA Drill 6" Diameter Core In >8" To 10" Brick/Concrete Block .....	143.49	
<i>For Horizontal Cores, Add</i>	28.11	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	56.22	
02 41 19 13-0194 EA Drill 8" Diameter Core In >8" To 10" Brick/Concrete Block .....	238.25	
<i>For Horizontal Cores, Add</i>	46.85	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	93.70	
02 41 19 13-0195 EA Drill 10" Diameter Core In >8" To 10" Brick/Concrete Block .....	268.84	
<i>For Horizontal Cores, Add</i>	52.70	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	105.40	
02 41 19 13-0196 EA Drill 12" Diameter Core In >8" To 10" Brick/Concrete Block .....	299.16	
<i>For Horizontal Cores, Add</i>	58.55	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	117.10	
02 41 19 13-0197 EA Drill 14" Diameter Core In >8" To 10" Brick/Concrete Block .....	329.94	
<i>For Horizontal Cores, Add</i>	64.41	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	128.82	
02 41 19 13-0198 EA Drill 18" Diameter Core In >8" To 10" Brick/Concrete Block .....	361.62	
<i>For Horizontal Cores, Add</i>	70.26	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	140.52	
<b>02 41 19 13-0199 &gt;10" To 12" Thick Brick/Concrete Block Core Drilling (02 41 19 13-0150)</b>		
02 41 19 13-0200 EA Drill 1" Diameter Core In >10" To 12" Brick/Concrete Block .....	68.02	
<i>For Horizontal Cores, Add</i>	13.28	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	26.57	
02 41 19 13-0201 EA Drill 1-1/2" Diameter Core In >10" To 12" Brick/Concrete Block .....	75.39	
<i>For Horizontal Cores, Add</i>	14.76	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	29.52	
02 41 19 13-0202 EA Drill 2" Diameter Core In >10" To 12" Brick/Concrete Block .....	83.59	
<i>For Horizontal Cores, Add</i>	16.40	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	32.80	
02 41 19 13-0203 EA Drill 3" Diameter Core In >10" To 12" Brick/Concrete Block .....	90.06	
<i>For Horizontal Cores, Add</i>	17.57	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	35.14	
02 41 19 13-0204 EA Drill 4" Diameter Core In >10" To 12" Brick/Concrete Block .....	120.01	
<i>For Horizontal Cores, Add</i>	23.43	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	46.86	
02 41 19 13-0205 EA Drill 6" Diameter Core In >10" To 12" Brick/Concrete Block .....	155.81	
<i>For Horizontal Cores, Add</i>	30.46	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	60.91	
02 41 19 13-0206 EA Drill 8" Diameter Core In >10" To 12" Brick/Concrete Block .....	250.77	
<i>For Horizontal Cores, Add</i>	49.19	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	98.39	
02 41 19 13-0207 EA Drill 10" Diameter Core In >10" To 12" Brick/Concrete Block .....	269.91	
<i>For Horizontal Cores, Add</i>	52.70	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	105.40	
02 41 19 13-0208 EA Drill 12" Diameter Core In >10" To 12" Brick/Concrete Block .....	312.23	
<i>For Horizontal Cores, Add</i>	60.91	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	121.82	
<b>02 41 19 13-0209 &gt;12" Thick Brick/Concrete Block Core Drilling (02 41 19 13-0150)</b>		
02 41 19 13-0210 IN Drill 1" Diameter Core In >12" Brick/Concrete Block .....	8.24	
<i>For Horizontal Cores, Add</i>	1.62	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	3.24	

**02 Existing Conditions****02 40 Demolition and Structure Moving****02 41 Demolition**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0211 IN Drill 1-1/2" Diameter Core In >12" Brick/Concrete Block .....	9.15	
For Horizontal Cores, Add	1.80	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	3.61	
02 41 19 13-0212 IN Drill 2" Diameter Core In >12" Brick/Concrete Block .....	10.15	
For Horizontal Cores, Add	2.00	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	4.01	
02 41 19 13-0213 IN Drill 3" Diameter Core In >12" Brick/Concrete Block .....	11.16	
For Horizontal Cores, Add	2.20	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	4.39	
02 41 19 13-0214 IN Drill 4" Diameter Core In >12" Brick/Concrete Block .....	14.88	
For Horizontal Cores, Add	2.93	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	5.86	
02 41 19 13-0215 IN Drill 6" Diameter Core In >12" Brick/Concrete Block .....	19.33	
For Horizontal Cores, Add	3.81	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	7.62	
02 41 19 13-0216 IN Drill 8" Diameter Core In >12" Brick/Concrete Block .....	31.18	
For Horizontal Cores, Add	6.16	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	12.31	
02 41 19 13-0217 IN Drill 10" Diameter Core In >12" Brick/Concrete Block .....	33.61	
For Horizontal Cores, Add	6.62	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	13.23	
02 41 19 13-0218 IN Drill 12" Diameter Core In >12" Brick/Concrete Block .....	38.73	
For Horizontal Cores, Add	7.62	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	15.24	
<b>02 41 19 13-0219 Asphalt Core Drilling (02 41 19 13-0080)</b>		
<b>02 41 19 13-0220 Up To 2" Thick Asphalt Core Drilling (02 41 19 13-0219)</b>		
02 41 19 13-0221 EA Drill 1" Diameter Core In Up To 2" Asphalt .....	20.15	
02 41 19 13-0222 EA Drill 1-1/2" Diameter Core In Up To 2" Asphalt .....	25.19	
02 41 19 13-0223 EA Drill 2" Diameter Core In Up To 2" Asphalt .....	31.49	
02 41 19 13-0224 EA Drill 3" Diameter Core In Up To 2" Asphalt .....	39.05	
02 41 19 13-0225 EA Drill 4" Diameter Core In Up To 2" Asphalt .....	49.15	
02 41 19 13-0226 EA Drill 6" Diameter Core In Up To 2" Asphalt .....	61.75	
02 41 19 13-0227 EA Drill 8" Diameter Core In Up To 2" Asphalt .....	76.91	
02 41 19 13-0228 EA Drill 10" Diameter Core In Up To 2" Asphalt .....	95.78	
02 41 19 13-0229 EA Drill 12" Diameter Core In Up To 2" Asphalt .....	119.69	
<b>02 41 19 13-0230 &gt;2" To 3" Thick Asphalt Core Drilling (02 41 19 13-0219)</b>		
02 41 19 13-0231 EA Drill 1" Diameter Core In >2" To 3" Asphalt .....	25.18	
02 41 19 13-0232 EA Drill 1-1/2" Diameter Core In >2" To 3" Asphalt .....	32.73	
02 41 19 13-0233 EA Drill 2" Diameter Core In >2" To 3" Asphalt .....	40.28	
02 41 19 13-0234 EA Drill 3" Diameter Core In >2" To 3" Asphalt .....	50.36	
02 41 19 13-0235 EA Drill 4" Diameter Core In >2" To 3" Asphalt .....	62.97	
02 41 19 13-0236 EA Drill 6" Diameter Core In >2" To 3" Asphalt .....	79.34	
02 41 19 13-0237 EA Drill 8" Diameter Core In >2" To 3" Asphalt .....	98.28	
02 41 19 13-0238 EA Drill 10" Diameter Core In >2" To 3" Asphalt .....	123.43	
02 41 19 13-0239 EA Drill 12" Diameter Core In >2" To 3" Asphalt .....	153.64	
<b>02 41 19 13-0240 &gt;3" To 4" Thick Asphalt Core Drilling (02 41 19 13-0219)</b>		
02 41 19 13-0241 EA Drill 1" Diameter Core In >3" To 4" Asphalt .....	32.74	
02 41 19 13-0242 EA Drill 1-1/2" Diameter Core In >3" To 4" Asphalt .....	41.56	
02 41 19 13-0243 EA Drill 2" Diameter Core In >3" To 4" Asphalt .....	51.63	
02 41 19 13-0244 EA Drill 3" Diameter Core In >3" To 4" Asphalt .....	64.24	
02 41 19 13-0245 EA Drill 4" Diameter Core In >3" To 4" Asphalt .....	80.65	
02 41 19 13-0246 EA Drill 6" Diameter Core In >3" To 4" Asphalt .....	100.81	
02 41 19 13-0247 EA Drill 8" Diameter Core In >3" To 4" Asphalt .....	126.09	
02 41 19 13-0248 EA Drill 10" Diameter Core In >3" To 4" Asphalt .....	157.53	
02 41 19 13-0249 EA Drill 12" Diameter Core In >3" To 4" Asphalt .....	196.56	
<b>02 41 19 13-0250 &gt;4" To 6" Thick Asphalt Core Drilling (02 41 19 13-0219)</b>		
02 41 19 13-0251 EA Drill 1" Diameter Core In >4" To 6" Asphalt .....	42.84	
02 41 19 13-0252 EA Drill 1-1/2" Diameter Core In >4" To 6" Asphalt .....	52.95	
02 41 19 13-0253 EA Drill 2" Diameter Core In >4" To 6" Asphalt .....	65.54	
02 41 19 13-0254 EA Drill 3" Diameter Core In >4" To 6" Asphalt .....	83.23	
02 41 19 13-0255 EA Drill 4" Diameter Core In >4" To 6" Asphalt .....	103.45	
02 41 19 13-0256 EA Drill 6" Diameter Core In >4" To 6" Asphalt .....	128.68	
02 41 19 13-0257 EA Drill 8" Diameter Core In >4" To 6" Asphalt .....	161.57	
02 41 19 13-0258 EA Drill 10" Diameter Core In >4" To 6" Asphalt .....	201.85	
02 41 19 13-0259 EA Drill 12" Diameter Core In >4" To 6" Asphalt .....	252.25	
<b>02 41 19 13-0260 Manhole Core Drilling (02 41 19 13-0080)</b>		
02 41 19 13-0261 EA Drill 4" Diameter Core In 6" Brick Manhole .....	220.57	
02 41 19 13-0262 EA Drill 5" Diameter Core In 6" Brick Manhole .....	252.07	
02 41 19 13-0263 EA Drill 6" Diameter Core In 6" Brick Manhole .....	293.97	
02 41 19 13-0264 EA Drill 8" Diameter Core In 6" Brick Manhole .....	440.83	
02 41 19 13-0265 EA Drill 2" Diameter Core In 8" Concrete Manhole .....	295.50	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0266 EA Drill 3" Diameter Core In 8" Concrete Manhole.....	314.69	
02 41 19 13-0267 EA Drill 4" Diameter Core In 8" Concrete Manhole.....	346.46	
02 41 19 13-0268 EA Drill 5" Diameter Core In 8" Concrete Manhole.....	371.74	
02 41 19 13-0269 EA Drill 6" Diameter Core In 8" Concrete Manhole.....	440.89	
02 41 19 13-0270 EA Drill 8" Diameter Core In 8" Concrete Manhole.....	629.69	
02 41 19 13-0271 EA Drill 2" Diameter Core In Fiberglass Manhole.....	29.30	
02 41 19 13-0272 EA Drill 3" Diameter Core In Fiberglass Manhole.....	33.83	
02 41 19 13-0273 EA Drill 4" Diameter Core In Fiberglass Manhole.....	36.65	
02 41 19 13-0274 EA Drill 5" Diameter Core In Fiberglass Manhole.....	39.99	
02 41 19 13-0275 EA Drill 6" Diameter Core In Fiberglass Manhole.....	43.99	
02 41 19 13-0276 EA Drill 8" Diameter Core In Fiberglass Manhole.....	48.88	
<b>02 41 19 13-0277</b>	<b>Drilling In Concrete Per Inch Of Depth (02 41 19 13-0080)</b>	
	Note: Includes layout.	
02 41 19 13-0278 IN 1/4" Diameter Drilling In Concrete Per Inch Of Depth.....	2.01	
02 41 19 13-0279 IN 5/16" Diameter Drilling In Concrete Per Inch Of Depth.....	2.13	
02 41 19 13-0280 IN 3/8" Diameter Drilling In Concrete Per Inch Of Depth.....	2.24	
02 41 19 13-0281 IN 1/2" Diameter Drilling In Concrete Per Inch Of Depth.....	2.41	
02 41 19 13-0282 IN 5/8" Diameter Drilling In Concrete Per Inch Of Depth.....	2.56	
02 41 19 13-0283 IN 3/4" Diameter Drilling In Concrete Per Inch Of Depth.....	2.81	
02 41 19 13-0284 IN 7/8" Diameter Drilling In Concrete Per Inch Of Depth.....	3.05	
02 41 19 13-0285 IN 1" Diameter Drilling In Concrete Per Inch Of Depth.....	3.20	
02 41 19 13-0286 IN 1-1/8" Diameter Drilling In Concrete Per Inch Of Depth.....	3.77	
02 41 19 13-0287 IN 1-1/4" Diameter Drilling In Concrete Per Inch Of Depth.....	3.54	
02 41 19 13-0288 IN 1-3/8" Diameter Drilling In Concrete Per Inch Of Depth.....	3.77	
02 41 19 13-0289 IN 1-1/2" Diameter Drilling In Concrete Per Inch Of Depth.....	4.00	
02 41 19 13-0290 IN 1-3/4" Diameter Drilling In Concrete Per Inch Of Depth.....	4.43	
02 41 19 13-0291 IN 2" Diameter Drilling In Concrete Per Inch Of Depth.....	5.17	
<b>02 41 19 13-0292</b>	<b>Drilling In Brick/Concrete Block Per Inch Of Depth (02 41 19 13-0080)</b>	
	Note: Includes layout.	
02 41 19 13-0293 IN 1/4" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth.....	1.68	
02 41 19 13-0294 IN 5/16" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth.....	1.77	
02 41 19 13-0295 IN 3/8" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth.....	1.87	
02 41 19 13-0296 IN 1/2" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth.....	2.01	
02 41 19 13-0297 IN 5/8" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth.....	2.13	
02 41 19 13-0298 IN 3/4" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth.....	2.35	
02 41 19 13-0299 IN 7/8" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth.....	2.53	
02 41 19 13-0300 IN 1" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth.....	2.67	
02 41 19 13-0301 IN 1-1/8" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth.....	2.81	
02 41 19 13-0302 IN 1-1/4" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth.....	2.95	
02 41 19 13-0303 IN 1-3/8" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth.....	3.15	
02 41 19 13-0304 IN 1-1/2" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth.....	3.33	
02 41 19 13-0305 IN 1-3/4" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth.....	3.72	
02 41 19 13-0306 IN 2" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth.....	4.31	
<b>02 41 19 13-0307</b>	<b>Drilling In Wood Or Plastic Per Inch Of Depth (02 41 19 13-0080)</b>	
	Note: Includes layout.	
02 41 19 13-0308 IN 1/4" Diameter Drilling In Wood Or Plastic Per Inch Of Depth.....	0.83	
02 41 19 13-0309 IN 5/16" Diameter Drilling In Wood Or Plastic Per Inch Of Depth.....	0.88	
02 41 19 13-0310 IN 3/8" Diameter Drilling In Wood Or Plastic Per Inch Of Depth.....	0.93	
02 41 19 13-0311 IN 1/2" Diameter Drilling In Wood Or Plastic Per Inch Of Depth.....	1.00	
02 41 19 13-0312 IN 5/8" Diameter Drilling In Wood Or Plastic Per Inch Of Depth.....	1.06	
02 41 19 13-0313 IN 3/4" Diameter Drilling In Wood Or Plastic Per Inch Of Depth.....	1.16	
02 41 19 13-0314 IN 7/8" Diameter Drilling In Wood Or Plastic Per Inch Of Depth.....	1.27	
02 41 19 13-0315 IN 1" Diameter Drilling In Wood Or Plastic Per Inch Of Depth.....	1.33	
02 41 19 13-0316 IN 1-1/8" Diameter Drilling In Wood Or Plastic Per Inch Of Depth.....	1.40	
02 41 19 13-0317 IN 1-1/4" Diameter Drilling In Wood Or Plastic Per Inch Of Depth.....	1.46	
02 41 19 13-0318 IN 1-3/8" Diameter Drilling In Wood Or Plastic Per Inch Of Depth.....	1.56	
02 41 19 13-0319 IN 1-1/2" Diameter Drilling In Wood Or Plastic Per Inch Of Depth.....	1.66	
02 41 19 13-0320 IN 1-3/4" Diameter Drilling In Wood Or Plastic Per Inch Of Depth.....	1.85	
02 41 19 13-0321 IN 2" Diameter Drilling In Wood Or Plastic Per Inch Of Depth.....	2.15	
<b>02 41 19 13-0322</b>	<b>Limestone Core Drilling (02 41 19 13-0080)</b>	
<b>02 41 19 13-0323</b>	<b>10" To 14" Thick Limestone Core Drilling (02 41 19 13-0322)</b>	
02 41 19 13-0324 EA Drill 1" Diameter Core In 10" To 14" Limestone.....	63.31	
02 41 19 13-0325 EA Drill 1-1/2" Diameter Core In 10" To 14" Limestone.....	76.04	
02 41 19 13-0326 EA Drill 2" Diameter Core In 10" To 14" Limestone.....	82.49	
02 41 19 13-0327 EA Drill 3" Diameter Core In 10" To 14" Limestone.....	95.43	
02 41 19 13-0328 EA Drill 4" Diameter Core In 10" To 14" Limestone.....	108.39	
02 41 19 13-0329 EA Drill 6" Diameter Core In 10" To 14" Limestone.....	152.71	
02 41 19 13-0330 EA Drill 8" Diameter Core In 10" To 14" Limestone.....	253.80	
<b>02 41 19 13-0331</b>	<b>15" To 18" Thick Limestone Core Drilling (02 41 19 13-0322)</b>	
02 41 19 13-0332 EA Drill 1" Diameter Core In 15" To 18" Limestone.....	69.73	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0333 EA Drill 1-1/2" Diameter Core In 15" To 18" Limestone.....	82.47	
02 41 19 13-0334 EA Drill 2" Diameter Core In 15" To 18" Limestone.....	88.99	
02 41 19 13-0335 EA Drill 3" Diameter Core In 15" To 18" Limestone.....	95.73	
02 41 19 13-0336 EA Drill 4" Diameter Core In 15" To 18" Limestone.....	127.59	
02 41 19 13-0337 EA Drill 6" Diameter Core In 15" To 18" Limestone.....	165.69	
02 41 19 13-0338 EA Drill 8" Diameter Core In 15" To 18" Limestone.....	267.08	
<b>02 41 19 13-0339 19" To 24" Thick Limestone Core Drilling</b> (02 41 19 13-0322)		
02 41 19 13-0340 EA Drill 1" Diameter Core In 19" To 24" Limestone.....	76.10	
02 41 19 13-0341 EA Drill 1-1/2" Diameter Core In 19" To 24" Limestone.....	88.90	
02 41 19 13-0342 EA Drill 2" Diameter Core In 19" To 24" Limestone.....	95.44	
02 41 19 13-0343 EA Drill 3" Diameter Core In 19" To 24" Limestone.....	108.52	
02 41 19 13-0344 EA Drill 4" Diameter Core In 19" To 24" Limestone.....	153.00	
02 41 19 13-0345 EA Drill 6" Diameter Core In 19" To 24" Limestone.....	191.20	
02 41 19 13-0346 EA Drill 8" Diameter Core In 19" To 24" Limestone.....	286.63	
<b>02 41 19 13-0347 Minimum Charge For Core Drilling</b> (02 41 19 13-0080)		
02 41 19 13-0348 EA Core Drill Minimum Charge.....	868.62	
Note: For projects where the total core drilling charge is less than the minimum charge, use task "Minimum Charge For Core Drilling" exclusively. Task "Minimum Charge For Core Drilling" should not be used in conjunction with any other tasks in this section. Does not apply to sections "Drilling In Concrete Per Inch Of Depth" or "Drilling In Brick Or Block Per Inch Of Depth" or "Drilling In Wood Or Plastic Per Inch Of Depth".		
<b>02 41 19 13-0349 Cutouts</b> (02 41 19 13)		
Note: Includes saw cutting and removal of material. Not to be used for openings greater than 24 SF.		
<b>02 41 19 13-0350 Reinforced Concrete Slab On Grade Cutouts</b> (02 41 19 13-0349)		
02 41 19 13-0351 SF 4" Thick Reinforced Concrete Slab On Grade Cutouts, <24 SF.....	47.70	
02 41 19 13-0352 SF 6" Thick Reinforced Concrete Slab On Grade Cutouts, <24 SF.....	50.59	
02 41 19 13-0353 SF 8" Thick Reinforced Concrete Slab On Grade Cutouts, <24 SF.....	53.48	
02 41 19 13-0354 SF 10" Thick Reinforced Concrete Slab On Grade Cutouts, <24 SF.....	56.37	
02 41 19 13-0355 SF 12" Thick Reinforced Concrete Slab On Grade Cutouts, <24 SF.....	57.82	
<b>02 41 19 13-0356 Reinforced Concrete Elevated Slab Cutouts</b> (02 41 19 13-0349)		
Note: Includes cutting and removing steel decking.		
02 41 19 13-0357 SF 4" Thick Reinforced Concrete Elevated Slab Cutouts, <24 SF.....	58.13	
02 41 19 13-0358 SF 6" Thick Reinforced Concrete Elevated Slab Cutouts, <24 SF.....	61.66	
02 41 19 13-0359 SF 8" Thick Reinforced Concrete Elevated Slab Cutouts, <24 SF.....	65.18	
02 41 19 13-0360 SF 10" Thick Reinforced Concrete Elevated Slab Cutouts, <24 SF.....	68.71	
02 41 19 13-0361 SF 12" Thick Reinforced Concrete Elevated Slab Cutouts, <24 SF.....	70.47	
<b>02 41 19 13-0362 Reinforced Concrete Wall Cutouts</b> (02 41 19 13-0349)		
02 41 19 13-0363 SF 4" Thick Reinforced Concrete Wall Cutouts, <24 SF.....	59.62	
02 41 19 13-0364 SF 6" Thick Reinforced Concrete Wall Cutouts, <24 SF.....	63.23	
02 41 19 13-0365 SF 8" Thick Reinforced Concrete Wall Cutouts, <24 SF.....	66.86	
02 41 19 13-0366 SF 10" Thick Reinforced Concrete Wall Cutouts, <24 SF.....	70.47	
02 41 19 13-0367 SF 12" Thick Reinforced Concrete Wall Cutouts, <24 SF.....	72.27	
<b>02 41 19 13-0368 Brick Wall Cutouts</b> (02 41 19 13-0349)		
Note: Excludes toothing.		
02 41 19 13-0369 SF 4" Thick Brick Wall Cutouts, <24 SF.....	18.07	
02 41 19 13-0370 SF 6" Thick Brick Wall Cutouts, <24 SF.....	29.82	
02 41 19 13-0371 SF 8" Thick Brick Wall Cutouts, <24 SF.....	41.52	
02 41 19 13-0372 SF 10" Thick Brick Wall Cutouts, <24 SF.....	50.59	
02 41 19 13-0373 SF 12" Thick Brick Wall Cutouts, <24 SF.....	60.53	
02 41 19 13-0374 SF 16" Thick Brick Wall Cutouts, <24 SF.....	71.37	
<b>02 41 19 13-0375 Concrete Block Wall Cutouts</b> (02 41 19 13-0349)		
Note: Excludes toothing.		
02 41 19 13-0376 SF 4" Thick Concrete Block Wall Cutouts, <24 SF.....	29.88	
02 41 19 13-0377 SF 6" Thick Concrete Block Wall Cutouts, <24 SF.....	31.65	
02 41 19 13-0378 SF 8" Thick Concrete Block Wall Cutouts, <24 SF.....	33.43	
02 41 19 13-0379 SF 10" Thick Concrete Block Wall Cutouts, <24 SF.....	35.23	
02 41 19 13-0380 SF 12" Thick Concrete Block Wall Cutouts, <24 SF.....	36.13	
02 41 19 13-0381 SF 16" Thick Concrete Block Wall Cutouts, <24 SF.....	37.94	
<b>02 41 19 13-0382 Limestone Cutouts</b> (02 41 19 13-0349)		
02 41 19 13-0383 SF 2" Thick Limestone Cutouts, <24 SF.....	50.59	
02 41 19 13-0384 SF 4" Thick Limestone Cutouts, <24 SF.....	61.43	
02 41 19 13-0385 SF 6" Thick Limestone Cutouts, <24 SF.....	65.05	
02 41 19 13-0386 SF 8" Thick Limestone Cutouts, <24 SF.....	68.66	
02 41 19 13-0387 SF 10" Thick Limestone Cutouts, <24 SF.....	72.27	
02 41 19 13-0388 SF 12" Thick Limestone Cutouts, <24 SF.....	75.89	



<b>Existing Conditions</b>	<b>02</b>
<b>Demolition and Structure Moving</b>	<b>02 40</b>
<b>Demolition</b>	<b>02 41</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**02 41 19 13-0389 Tothing Masonry Cutouts** (02 41 19 13-0349)  
 Note: For use where existing masonry must be removed in a tothing pattern along horizontal and vertical mortar joints. VLF measurement includes all horizontal cutting.

02 41 19 13-0390	VLF	Brick, Soft Old Mortar, Tothing Masonry Cutouts.....	18.07
02 41 19 13-0391	VLF	Brick, Hard Mortar, Tothing Masonry Cutouts.....	24.39
02 41 19 13-0392	VLF	Concrete Block, Soft Old Mortar, Tothing Masonry Cutouts.....	10.84
02 41 19 13-0393	VLF	Concrete Block, Hard Mortar, Tothing Masonry Cutouts.....	14.46

**02 41 19 13-0394 Minimum Charge For Cutouts** (02 41 19 13-0349)  
 Note: For projects where the total cutouts charge is less than the minimum charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.

02 41 19 13-0395	EA	Cutouts Minimum Charge.....	361.36
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**02 43 Structure Moving** (02 40)

**02 43 13 Structure Relocation** (02 43)  
 Note: Includes disconnection of utilities, moving of structure, one day move (excludes travel expenses and lodging), up to 24' wide. Reset on new foundations and hook up to utilities.

**02 43 13 13 Building Relocation** (02 43 13)

**02 43 13 13-0001 Move Relocatable Structures (Trailer, Mobile Facilities, etc.), Complete** (02 43 13 13)  
 Note: Includes disconnect portable from foundation, separate relocatable unit and attachments as needed for transport, secure all relocatable attachments (awnings, steps, ramps, railing, etc.) for transport, transport relocatable and attachments to new location, including permits and police escort, connect to foundation per approved specifications/details, including welding and/or hurricane anchoring as needed.

02 43 13 13-0002	SF	Up To 800 SF, Move Relocatable Metal Frame Building.....	35.22
02 43 13 13-0003	SF	>800 To 920 SF, Move Relocatable Metal Frame Building.....	33.29
02 43 13 13-0004	SF	>920 SF, Move Relocatable Metal Frame Building.....	31.15
02 43 13 13-0005	SF	Up To 800 SF, Move Relocatable Wood Frame Building.....	28.26
02 43 13 13-0006	SF	>800 To 920 SF, Move Relocatable Wood Frame Building.....	26.41
02 43 13 13-0007	SF	>920 SF, Move Relocatable Wood Frame Building.....	23.37
02 43 13 13-0008	SF	Up To 800 SF, Move Relocatable Wood/Metal Frame Building.....	34.23
02 43 13 13-0009	SF	>800 To 920 SF, Move Relocatable Wood/Metal Frame Building.....	31.15
02 43 13 13-0010	SF	>920 SF, Move Relocatable Wood/Metal Frame Building.....	26.41

**02 60 Contaminated Site Material Removal** (02)

**02 61 Removal and Disposal of Contaminated Soils** (02 60)

**02 61 13 Excavation and Handling of Contaminated Material** (02 61)

See CSI section 31 23 16 00-0000 for excavation.

**02 61 13 00-0001 Excavation Of Non-Petroleum Contaminated Soil** (02 61 13)  
 See CSI section 02 65 00 00-0001 for testing, 02 65 00 00-0006 for testing, 31 23 16 00-0000 for excavation of non-contaminated soil, 31 23 16 33-0019 for loading non-petroleum contaminated material onto trucks for removal.

**02 61 13 00-0002 Excavate Non-Petroleum Contaminated Soil** (02 61 13 00-0001)

02 61 13 00-0003	CY	Excavate Non-Petroleum Contaminated Soil.....	9.12
Note: Includes excavation, making a determination if the soil is reusable or contaminated, and stockpiling as per determination.			
02 61 13 00-0004	CY	Load Excavated Non-Petroleum Contaminated Soil.....	8.10
02 61 13 00-0005	CY	Disposal Fees Of Non-Petroleum Contaminated Soil.....	50.33

**02 61 13 00-0006 Excavate Petroleum Contaminated Soil** (02 61 13)

02 61 13 00-0007	CY	Excavate Petroleum Contaminated Soil.....	13.67
Note: Includes excavation, making a determination if the soil is reusable or contaminated, and stockpiling as per determination.			
02 61 13 00-0008	CY	Load Excavated Petroleum Contaminated Soil.....	8.10
02 61 13 00-0009	CY	Disposal Fees Of Petroleum Contaminated Soil.....	80.63

**02 61 13 00-0010 Accessories For Contaminated Soil Stockpile** (02 61 13)  
 See CSI section 31 25 14 23-0001 for sand bags.

02 61 13 00-0011	SF	30 Mil Liner For Contaminated Soil Storage.....	1.46
Note: 9.93 SF of liner per 1 ton of petroleum contaminated soil.			
02 61 13 00-0012	SF	10 Mil Liner For Contaminated Soil Storage.....	0.87
Note: 9.93 SF of liner per 1 ton of petroleum contaminated soil.			

**02 61 26 Removal and Disposal of Asbestos Contaminated Soils** (02 61)

Note: Includes materials, equipment, mobilization, preparation, signage, removal, transportation for up to 25 miles, disposal of waste at transfer facility or final destination, personnel health monitoring, negative air, documentation and other associated costs necessary for the complete abatement and disposal of the ACM in accordance with EPA, OSHA, and local regulations. Where types of ACM are listed by quantity, the quantity of the entire project, not a particular work area, is to be used in determining which task applies. For certain types of work, there is a task with a unit of measure of CF for a quantity of less

**02 Existing Conditions****02 60 Contaminated Site Material Removal****02 61 Removal and Disposal of Contaminated Soils**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

than 10 CF, followed by a series of tasks for other quantities. For those tasks the contractor will be paid the first task with a unit of measure of EA, plus an additional task to arrive at the appropriate quantity for the project.

<b>02 61 26 00-0001</b>	<b>Removal and Disposal of Asbestos Contaminated Soils</b> <small>(02 61 26)</small>	
	Note: Includes materials, equipment, mobilization, preparation, signage, removal, transportation for up to 25 miles, disposal of waste at transfer facility or final destination, personnel health monitoring, negative air, documentation and other associated costs necessary for the complete abatement and disposal of the ACM in accordance with EPA, OSHA, and local regulations. Where types of ACM are listed by quantity, the quantity of the entire project, not a particular work area, is to be used in determining which task applies. For certain types of work, there is a task with a unit of measure of CF for a quantity of less than 10 CF, followed by a series of tasks for other quantities. For those tasks the contractor will be paid the first task with a unit of measure of EA, plus an additional task to arrive at the appropriate quantity for the project.	
02 61 26 00-0002	EA Up To 10 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal .....	1,100.08
	<i>For Work In Restricted Working Space, Add</i>	330.02
02 61 26 00-0003	CF >10 To 100 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal .....	72.92
	<i>For Work In Restricted Working Space, Add</i>	21.88
02 61 26 00-0004	CF >100 To 250 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal .....	48.62
	<i>For Work In Restricted Working Space, Add</i>	14.59
02 61 26 00-0005	CF >250 To 500 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal .....	36.52
	<i>For Work In Restricted Working Space, Add</i>	10.96
02 61 26 00-0006	CF >500 To 2,500 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal .....	29.17
	<i>For Work In Restricted Working Space, Add</i>	8.75
02 61 26 00-0007	CF >2,500 To 10,000 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal .....	24.79
	<i>For Work In Restricted Working Space, Add</i>	7.44
02 61 26 00-0008	CF >10,000 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal .....	22.31
	<i>For Work In Restricted Working Space, Add</i>	6.69

**02 65 Underground Storage Tank Removal** (02 60)

Note: Petroleum gasoline is classified as a hazardous material; fuel oil is considered a non-hazardous material. See CSI section 01 74 19 00-0055 for hauling, 31 20 00 00-0000 for non-contaminated soil excavation, 31 23 16 00-0000 for excavation, 31 41 00 00-0000 for shoring.

<b>02 65 00 00-0001</b>	<b>Monitoring, Sampling, Testing And Analysis</b> <small>(02 65)</small>	
<b>02 65 00 00-0002</b>	<b>Field Samples For Testing Underground Storage Tank</b> <small>(02 65 00 00-0001)</small>	
02 65 00 00-0003	EA Collection Of Sludge Sample For Underground Storage Tank .....	23.50
02 65 00 00-0004	EA Collection Of Pumpable Liquids Sample For Underground Storage Tank .....	23.50
02 65 00 00-0005	EA Collection Of Contaminated Soil Sample .....	23.50
<b>02 65 00 00-0006</b>	<b>Lab Tests For Underground Storage Tank Removal</b> <small>(02 65 00 00-0001)</small>	
	Note: Includes lab test fees, reports, shipping, handling, chain of custody documents and disposal of sample.	
02 65 00 00-0007	EA Benzene, Toluene, Ethylbenzene, Xylene 8020, Lab Test .....	201.28
	Note: The cost is for the in-lab test for Benzene, Toluene, Ethylbenzene, And Xylene using procedure 8020 as detailed in EPA SW-846.	
02 65 00 00-0008	EA Flashpoint, Lab Test .....	78.27
	Note: The cost is for the in-lab test for the flashpoint using procedure 40CFR 261.21 as detailed in EPA SW-846.	
02 65 00 00-0009	EA TOX 9020, Lab Test .....	188.30
	Note: The cost is for the in-lab test for total organic halides using procedure 9020 as detailed in EPA SW-846.	
02 65 00 00-0010	EA TPH 8015 Modified, Lab Test .....	201.28
	Note: The cost is for the in-lab test for total petroleum hydrocarbons by gas chromatography using procedure 8015 Mod. as detailed in EPA SW-846.	
02 65 00 00-0011	EA TRPH 418.1, Lab Test .....	156.55
	Note: The cost is for the in-lab test for total recoverable petroleum hydrocarbons using procedure 418.1 as detailed in EPA SW-846.	
02 65 00 00-0012	EA VOC, Lab Test .....	424.92
	Note: The cost is for the in-lab test for volatile organics using procedure 8240 as detailed in EPA SW-846.	
02 65 00 00-0013	EA Semi-Volatile Organic, Lab Test .....	782.74
	Note: The cost is for the in-lab test for semi-volatile organics using procedure 8270 as detailed in EPA SW-846.	
02 65 00 00-0014	EA Oil And Grease 413.1, Lab Test .....	94.15
	Note: The cost is for the in-lab test for oil and grease using procedure 413.1 as detailed in EPA SW-846.	
02 65 00 00-0015	EA TCLP (Extraction) - Metals, Lab Test .....	167.73
	Note: The cost is for the in-lab test for toxicity characteristics leaching procedures using procedure 1311 as detailed in EPA SW-846.	
02 65 00 00-0016	EA TCLP (Extraction) - Semi-Volatile Organic, Lab Test .....	223.64
	Note: The cost is for the in-lab test for toxicity characteristics leaching procedures using procedure 1311 as detailed in EPA SW-846.	
02 65 00 00-0017	EA Metals 6010 RCRA, Lab Test .....	250.48
	Note: The cost is for the in-lab test for metals using procedure 6010 RCRA as detailed in EPA SW-846.	
02 65 00 00-0018	EA Metals (Arsenic) 7060, Lab Test .....	33.55
	Note: The cost is for the in-lab test for the metal arsenic using procedure 7060 as detailed in EPA SW-846.	
02 65 00 00-0019	EA Metals (Selenium) 7740, Lab Test .....	33.55
	Note: The cost is for the in-lab test for the metal selenium (SE) using procedure 7740 as detailed in EPA SW-846.	
02 65 00 00-0020	EA Metals (Lead) 7421, Lab Test .....	33.55
	Note: The cost is for the in-lab test for the metal lead using procedure 7421 as detailed in EPA SW-846.	
02 65 00 00-0021	EA Metals (Mercury) 7470, Lab Test .....	62.62
	Note: The cost is for the in-lab test for the metal mercury using procedure 7470 as detailed in EPA SW-846.	
02 65 00 00-0022	EA PNA/PAH 8100, Lab Test .....	357.82
	Note: The cost is for the in-lab test for polynuclear aromatic hydrocarbons using procedure 8100 as detailed in EPA SW-846.	
02 65 00 00-0023	EA Fuel Id ASTM D3328-78, Lab Test .....	129.45
	Note: The cost is for the in-lab test to determine the constituents of fuel using the procedure as detailed in ASTM D3328-78.	



<b>Existing Conditions</b>		<b>02</b>
<b>Contaminated Site Material Removal</b>		<b>02 60</b>
<b>Underground Storage Tank Removal</b>		<b>02 65</b>

02

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 65 00 00-0024 EA pH, Lab Test.....	26.84	
02 65 00 00-0025 EA Lab Test - Polychlorinated Biphenyl (PCB) In Wastewater.....	335.46	
02 65 00 00-0026 EA Methyl Tertiary Butyl Ether (MTBE), Lab Test.....	201.28	
<b>02 65 00 00-0027 Tests, Surveys And Maintenance For Underground Storage Tank (02 65 00 00-0001)</b>		
02 65 00 00-0028 EA Site Survey For AST/UST Location By Certified Tank Installer..... Note: Includes testing Pump output both tank and dispenser, Calibrate pump dispenser if needed, Check all sumps both tank and dispenser, check all fitting connections for leaks and check wiring connection for possible malfunction or safety hazard, check seals on caps for fill tube, check overflow performance for safety shutdown, check all hoses and pump handle, check break-away couplings, complete written report on all data found.	1,064.62	
02 65 00 00-0029 EA Check Cathodic Protection - Impressed Current Systems And Sacrificial Anode Systems..... Note: By Certified Technician. Write report of findings for action if needed	189.11	
02 65 00 00-0030 EA Check And Report On Monitor Probes..... Note: By Certified Technician	43.54	
02 65 00 00-0031 EA Tank Monitoring System: Check System Per Manufacturer's Specification By Certified Technician With Written Report..... Note: Including pass / fail; paper feed operational paper installed etc.; and status of inspection repairs needed etc.	303.42	
02 65 00 00-0032 EA Removal And Replacement Of Anode On Impressed System.....	151.32	
02 65 00 00-0033 EA Removal And Replacement Of Power Converter On Impressed System On Underground Storage Tank.....	216.38	
02 65 00 00-0034 EA Removal And Replacement Of Monitor Probes On Underground Storage Tank.....	328.93	
02 65 00 00-0035 EA Ultrasonic Test On Underground Storage Tank.....	187.91	
<b>02 65 00 00-0036 Tests And Sampling Labor Hours (02 65 00 00-0001)</b>		
02 65 00 00-0037 HR Certified Tank Installer For Underground Storage Tank.....	109.39	
02 65 00 00-0038 HR Certified Geologist/Environmentalist.....	114.40	
02 65 00 00-0039 HR Hourly Office Work For Reports Required For EPA On Underground Storage Tank..... Note: Includes title searches, well survey data, site drawings, submitting preliminary work, etc. Hours not to be used in association with other tasks performed.	123.37	
<b>02 65 00 00-0040 Remove Tank Contents (02 65)</b>		
<b>02 65 00 00-0041 Transfer Liquid (02 65 00 00-0040)</b>		
Note: For use to transfer liquids from one tank to another.		
02 65 00 00-0042 GAL Transfer Reusable Liquid To Different Tank..... Note: Per gallon of material transferred.	0.63	
<b>02 65 00 00-0043 Pump Contaminated Liquids And Rinse Material (02 65 00 00-0040)</b>		
02 65 00 00-0044 GAL Removal and Disposal Of Hazardous Liquids From Tank.....	1.93	
02 65 00 00-0045 GAL Removal and Disposal Of Non-Hazardous Liquid From Tank.....	0.86	
<b>02 65 00 00-0046 Sludge (02 65 00 00-0040)</b>		
Note: Includes scraping and solidifying agent.		
02 65 00 00-0047 GAL Removal and Disposal Of Hazardous Solids Or Sludge From Tank.....	6.40	
02 65 00 00-0048 GAL Removal and Disposal Of Non-Hazardous Solids Or Sludge From Tank.....	1.48	
<b>02 65 00 00-0049 Purge Vapors, Open And Clean Tank (02 65)</b>		
<b>02 65 00 00-0050 Purge Vapors (02 65 00 00-0049)</b>		
02 65 00 00-0051 LB Purge Tank Using Dry Ice..... Note: Approximately 1.5 To 3.0 LBS of dry ice per 100 Gals of tank volume.	4.62	
<b>02 65 00 00-0052 High Pressure Water Wash And Rinse Of Tank Interior (02 65 00 00-0049)</b>		
Note: Includes removal and disposal of rinse water.		
02 65 00 00-0053 EA Up To 275 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior.....	345.06	
02 65 00 00-0054 EA >275 To 550 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior.....	453.42	
02 65 00 00-0055 EA >550 To 1,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior.....	589.43	
02 65 00 00-0056 EA >1,000 To 2,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior.....	800.17	
02 65 00 00-0057 EA >2,000 To 5,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior.....	1,555.43	
02 65 00 00-0058 EA >5,000 To 6,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior.....	1,870.32	
02 65 00 00-0059 EA >6,000 To 8,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior.....	2,149.77	
02 65 00 00-0060 EA >8,000 To 10,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior.....	2,599.64	
02 65 00 00-0061 EA >10,000 To 15,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior.....	3,359.81	
02 65 00 00-0062 EA >15,000 To 20,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior.....	4,039.34	
02 65 00 00-0063 EA >20,000 To 30,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior.....	5,123.86	
02 65 00 00-0064 EA >30,000 To 40,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior.....	6,305.71	
02 65 00 00-0065 EA >40,000 To 50,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior.....	7,706.96	
<b>02 65 00 00-0066 Scrape Clean Tank Exterior (02 65 00 00-0049)</b>		
02 65 00 00-0067 EA Up To 275 Gallon Tank, Scrape Clean Tank Exterior.....	231.81	
02 65 00 00-0068 EA >275 To 550 Gallon Tank, Scrape Clean Tank Exterior.....	308.69	
02 65 00 00-0069 EA >550 To 1,000 Gallon Tank, Scrape Clean Tank Exterior.....	404.48	
02 65 00 00-0070 EA >1,000 To 2,000 Gallon Tank, Scrape Clean Tank Exterior.....	560.13	
02 65 00 00-0071 EA >2,000 To 5,000 Gallon Tank, Scrape Clean Tank Exterior.....	1,240.43	

<b>02</b>	<b>Existing Conditions</b>
<b>02 60</b>	<b>Contaminated Site Material Removal</b>
<b>02 65</b>	<b>Underground Storage Tank Removal</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 65 00 00-0072 EA >5,000 To 6,000 Gallon Tank, Scrape Clean Tank Exterior .....	1,570.64	
02 65 00 00-0073 EA >6,000 To 8,000 Gallon Tank, Scrape Clean Tank Exterior .....	1,837.93	
02 65 00 00-0074 EA >8,000 To 10,000 Gallon Tank, Scrape Clean Tank Exterior .....	2,310.53	
02 65 00 00-0075 EA >10,000 To 15,000 Gallon Tank, Scrape Clean Tank Exterior .....	3,003.13	
02 65 00 00-0076 EA >15,000 To 20,000 Gallon Tank, Scrape Clean Tank Exterior .....	3,769.52	
02 65 00 00-0077 EA >20,000 To 30,000 Gallon Tank, Scrape Clean Tank Exterior .....	4,908.23	
02 65 00 00-0078 EA >30,000 To 40,000 Gallon Tank, Scrape Clean Tank Exterior .....	5,889.88	
02 65 00 00-0079 EA >40,000 To 50,000 Gallon Tank, Scrape Clean Tank Exterior .....	7,362.36	
<b>02 65 00 00-0080 Tank And Piping Removal (02 65)</b>		
Note: Excludes excavation. See CSI section 02 61 13 00-0001 for excavation.		
<b>02 65 00 00-0081 Removal And Disposal Of Piping (02 65 00 00-0080)</b>		
Note: Includes removal, inspection, loading, transporting pipe to disposal facility or transfer station within 15 miles and disposal fees.		
02 65 00 00-0082 LF Up To 4", Removal And Disposal Of Piping .....	18.65	
02 65 00 00-0083 LF >4" To 8", Removal And Disposal Of Piping .....	24.87	
<b>02 65 00 00-0084 Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement (02 65 00 00-0080)</b>		
Note: Excludes excavation or backfill.		
02 65 00 00-0085 EA Up To 275 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement .....	655.89	
02 65 00 00-0086 EA >275 To 550 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement .....	796.43	
02 65 00 00-0087 EA >550 To 1,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement .....	936.99	
02 65 00 00-0088 EA >1,000 To 2,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement .....	1,171.23	
02 65 00 00-0089 EA >2,000 To 5,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement .....	1,639.71	
02 65 00 00-0090 EA >5,000 To 6,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement .....	2,061.35	
02 65 00 00-0091 EA >6,000 To 8,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement .....	2,342.45	
02 65 00 00-0092 EA >8,000 To 10,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement .....	2,810.93	
02 65 00 00-0093 EA >10,000 To 15,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement .....	3,747.91	
02 65 00 00-0094 EA >15,000 To 20,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement .....	4,492.91	
02 65 00 00-0095 EA >20,000 To 30,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement .....	5,264.77	
02 65 00 00-0096 EA >30,000 To 40,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement .....	6,159.33	
02 65 00 00-0097 EA >40,000 To 50,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement .....	7,699.16	
<b>02 65 00 00-0098 Cut Tank Into Sections That Can Easily Be Transported And Disposed Of When Necessary (02 65 00 00-0080)</b>		
Note: Includes 1 lengthwise at every 4' on-center height wise.		
02 65 00 00-0099 EA >1,000 To 2,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of .....	827.40	
02 65 00 00-0100 EA >2,000 To 5,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of .....	1,543.00	
02 65 00 00-0101 EA >5,000 To 6,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of .....	1,856.07	
02 65 00 00-0102 EA >6,000 To 8,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of .....	2,068.51	
02 65 00 00-0103 EA >8,000 To 10,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of .....	2,482.21	
02 65 00 00-0104 EA >10,000 To 15,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of .....	3,085.98	
02 65 00 00-0105 EA >15,000 To 20,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of .....	3,712.13	
02 65 00 00-0106 EA >20,000 To 30,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of .....	4,640.16	
02 65 00 00-0107 EA >30,000 To 40,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of .....	5,800.21	
02 65 00 00-0108 EA >40,000 To 50,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of .....	7,250.25	
<b>02 65 00 00-0109 Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station (02 65 00 00-0080)</b>		
Note: Includes disposal fee.		
02 65 00 00-0110 EA Up To 275 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station .....	306.99	
For Each Additional Mile >15 Miles, Add	4.43	
02 65 00 00-0111 EA >275 To 550 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station .....	418.52	
For Each Additional Mile >15 Miles, Add	5.59	
02 65 00 00-0112 EA >550 To 1,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station .....	660.26	
For Each Additional Mile >15 Miles, Add	8.39	
02 65 00 00-0113 EA >1,000 To 2,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station .....	1,040.86	
For Each Additional Mile >15 Miles, Add	9.79	
02 65 00 00-0114 EA >2,000 To 5,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station .....	1,837.01	
For Each Additional Mile >15 Miles, Add	17.25	
02 65 00 00-0115 EA >5,000 To 6,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station .....	1,892.93	
For Each Additional Mile >15 Miles, Add	18.64	
02 65 00 00-0116 EA >6,000 To 8,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station .....	1,986.16	
For Each Additional Mile >15 Miles, Add	20.97	
02 65 00 00-0117 EA >8,000 To 10,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station .....	2,893.52	
For Each Additional Mile >15 Miles, Add	27.96	
02 65 00 00-0118 EA >10,000 To 15,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station .....	3,950.67	
For Each Additional Mile >15 Miles, Add	41.95	
02 65 00 00-0119 EA >15,000 To 20,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station .....	4,634.94	
For Each Additional Mile >15 Miles, Add	46.61	
02 65 00 00-0120 EA >20,000 To 30,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station .....	5,743.75	
For Each Additional Mile >15 Miles, Add	55.93	
02 65 00 00-0121 EA >30,000 To 40,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station .....	8,096.00	
For Each Additional Mile >15 Miles, Add	67.12	
02 65 00 00-0122 EA >40,000 To 50,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station .....	9,797.42	
For Each Additional Mile >15 Miles, Add	77.18	





<b>Existing Conditions</b>		<b>02</b>
<b>Contaminated Site Material Removal</b>		<b>02 60</b>
<b>Underground Storage Tank Removal</b>		<b>02 65</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>02 65 00 00-0123 Other Storage Tank Removals (02 65 00 00-0080)</b>		
02 65 00 00-0124	GAL Removal Of Cement Lining.....	0.57
02 65 00 00-0125	GAL Sandblast Tank In Prep For Lining Or Welding; Remove Sand, Vacuum Walls And Seams.....	0.20
02 65 00 00-0126	GAL Install Epoxy For Interior Corrosion Protection .....	1.20
<b>02 65 00 00-0127 Tank Closure Report (02 65 00 00-0080)</b>		
Note: Excludes soils tests. See CSI section 02 65 00 00-0006 for soil tests.		
02 65 00 00-0128	EA Prepare Tank Closure Report.....	3,106.92
<b>02 65 00 00-0129 Temporary Tanks (02 65)</b>		
<b>02 65 00 00-0130 Temporary Holding Tanks (02 65 00 00-0129)</b>		
<b>02 65 00 00-0131 Above Ground Temporary Holding Tanks, Monthly Rental (02 65 00 00-0130)</b>		
02 65 00 00-0132	MO 550 Gallon, Stainless Steel, DOT Approved, Above Ground Temporary Holding Tanks, Monthly Rental .....	930.62
02 65 00 00-0133	MO 630 Gallon, Polyethylene, DOT Approved, Above Ground Temporary Holding Tanks, Monthly Rental .....	930.62
02 65 00 00-0134	MO 630 Gallon, Polyethylene, Stackable, Above Ground Temporary Holding Tanks, Monthly Rental .....	1,861.24
02 65 00 00-0135	MO 4,000 Gallon, Polyethylene, Stackable, Above Ground Temporary Holding Tanks, Monthly Rental .....	1,395.93
02 65 00 00-0136	MO 4,000 Gallon, Polyethylene, Trailer Mounted, Above Ground Temporary Holding Tanks, Monthly Rental .....	3,257.17
02 65 00 00-0137	MO 6,000 Gallon, Polyethylene, Total Drain, Above Ground Temporary Holding Tanks, Monthly Rental.....	2,326.55
02 65 00 00-0138	MO 21,000 Gallon (500 BBL), Steel, Open, Stationary, Above Ground Temporary Holding Tanks, Monthly Rental .....	5,549.86
02 65 00 00-0139	MO 21,000 Gallon (500 BBL), Steel, Closed, Stationary, Above Ground Temporary Holding Tanks, Monthly Rental .....	6,651.02
02 65 00 00-0140	MO 21,000 Gallon (500 BBL), Steel, Vapor Proof, Above Ground Temporary Holding Tanks, Monthly Rental .....	11,231.86
<b>02 65 00 00-0141 Secondary Containment Berm (02 65 00 00-0129)</b>		
02 65 00 00-0142	MO Secondary Containment Berm Monthly Rental.....	2,016.34

**02 80 Facility Remediation (02)****02 81 Transportation and Disposal of Hazardous Materials (02 80)**

<b>02 81 00 00-0001 Hazardous Material Disposal (02 81)</b>		
02 81 00 00-0002	EA RCRA (Direct Landfill) Drums.....	493.40
Note: Excludes stabilization. See CSI section 02 81 00 00-0003 for Stabilization (>5 ppm).		
02 81 00 00-0003	EA Stabilization (>5 ppm).....	657.47
02 81 00 00-0004	TON Bulk Hazardous Material Landfill Cost.....	416.23
<b>02 81 00 00-0005 Equipment Oil Drain And Disposal (02 81)</b>		
02 81 00 00-0006	TRIP Drain Oil Filled Equipment, Place In Approved Container And Transport To Disposal Site.....	653.45
Note: Excludes Disposal Cost.		
02 81 00 00-0007	DRM Disposal Of Non-Polychlorinated Biphenyl (PCB) Oil In Normal Landfill, Per Partial Or Full 55-Gallon Drum.....	102.68
Note: Excludes draining, placing in approved container, and transporting to disposal site.		
02 81 00 00-0008	DRM Disposal Of Non-Toxic Polychlorinated Biphenyl (PCB) Oil Into A Lined Landfill, Per Partial Or Full 55-Gallon Drum.....	466.75
Note: Excludes draining, placing in approved container, and transporting to disposal site.		
02 81 00 00-0009	DRM Disposal Of Toxic Polychlorinated Biphenyl (PCB) Oil By Incineration, Per Partial Or Full 55-Gallon Drum.....	840.15
Note: Excludes draining, placing in approved container, and transporting to disposal site.		
02 81 00 00-0010	CF Hazardous Polychlorinated Biphenyl (PCB) Oil Filled Equipment Disposal At Approved Site.....	112.07
Note: Includes handling of equipment and disposal at approved site. Excludes draining of PCB contaminated oil prior to disposal.		

**02 82 Asbestos Remediation (02 80)**

See CSI section 01 56 16 00-0033 for temporary stud walls, 01 74 19 00-0055 for hauling in excess of 25 miles to transfer or disposal site, 02 89 00 00-0002 for plastic sheeting for containment construction, 02 89 00 00-0009 for decontamination chambers.

**02 82 13 Asbestos Abatement (02 82)**

<b>02 82 13 00-0001 Air Monitoring And Bulk Sampling, Asbestos Testing (02 82 13)</b>		
Note: Includes packaging of sample for shipping, shipping to testing lab, chain of custody documentation, analysis of sample, lab report, and sample disposal. Polarizing Light Microscope (PLM), Phase Contrast Microscope (PCM), and Transmission Electron Microscope (TEM). Excludes sampling time.		
02 82 13 00-0002	HR Certified Asbestos Air Sampling Technician For Bulk Sampling Or Air Monitoring .....	88.38
02 82 13 00-0003	EA 48 Hours Or Longer Turnaround, (Bulk Point Counting) PLM Test, Asbestos Testing .....	60.79
02 82 13 00-0004	EA Next Day Turnaround, (Bulk Point Counting) PLM Test, Asbestos Testing .....	71.27
02 82 13 00-0005	EA Same Day Turnaround, (Bulk Point Counting) PLM Test, Asbestos Testing .....	113.20
02 82 13 00-0006	EA 48 Hours Or Longer Turnaround, (Bulk) TEM Test, Asbestos Testing .....	194.96
02 82 13 00-0007	EA Next Day Turnaround, (Bulk) TEM Test, Asbestos Testing .....	236.88
02 82 13 00-0008	EA 48 Hours Or Longer Turnaround, (Air) PCM Test, Asbestos Testing.....	48.21
02 82 13 00-0009	EA Next Day Turnaround, (Air) PCM Test, Asbestos Testing .....	58.70
02 82 13 00-0010	EA Same Day Turnaround, (Air) PCM Test, Asbestos Testing .....	79.66
02 82 13 00-0011	EA 48 Hours Or Longer Turnaround, (Air Point Counting) PLM Test.....	60.79
02 82 13 00-0012	EA Next Day Turnaround, (Air Point Counting) PLM Test.....	71.27
02 82 13 00-0013	EA Same Day Turnaround, (Air Point Counting) PLM Test.....	113.20
02 82 13 00-0014	EA 48 Hours Or Longer Turnaround, (Air) TEM Test, Asbestos Testing.....	194.96

**02 Existing Conditions****02 80 Facility Remediation****02 82 Asbestos Remediation**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 82 13 00-0015	EA		Next Day Turnaround, (Air) TEM Test, Asbestos Testing.....	224.30	
02 82 13 00-0016	EA		Same Day Turnaround, (Air) TEM Test, Asbestos Testing.....	312.35	
<b>02 82 16 Engineering Control of Asbestos Containing Materials (02 82)</b>					
<b>02 82 16 00-0001 Asbestos Encapsulation (Lock-Down) (02 82 16)</b>					
02 82 16 00-0002	SF		Asbestos Encapsulant Spray Adhesive (Lock-Down), Per Coat.....	1.59	
02 82 16 00-0003	SF		Asbestos Binding Compound Encapsulant/Sealant, Per Coat Required (Fiberlock® ABC® Asbestos Binding Compound).....	2.18	
02 82 16 00-0004	SF		Asbestos Fiberspray Encapsulation (Fiberlock® ABC Fiberspray®).....	2.40	
02 82 16 00-0005	SF		Asbestos Acrylic Encasement/Encapsulation (Fiberlock® Lag-Kote®).....	2.58	
02 82 16 00-0006	SF		Water Activated Repair Cloth Encapsulant (Fiberlock® Lag-Kwik®).....	8.12	
02 82 16 00-0007	SF		Water Activated Repair Cloth Encapsulant (Fiberlock® Lag-Kloth®).....	9.23	
<b>02 82 33 Removal and Disposal of Asbestos Containing Materials (02 82)</b>					
Note: Includes materials, equipment, mobilization, preparation, critical barriers (e.g. electrical outlets, registers, windows, etc.), signage, removal, lockdown encapsulant applied to surfaces, bagging, clean-up, vacuuming, transportation for up to 25 miles, disposal of waste at transfer facility or final destination, personnel health monitoring, negative air, documentation and other associated costs necessary for the complete abatement and disposal of the ACM in accordance with EPA, OSHA, and local regulations. Where types of ACM are listed by quantity, the quantity of the entire project, not a particular work area, is to be used in determining which task applies. For certain types of work, there is a task with a unit of measure of SET for a quantity of less than 10 LF or SF (10 LF to 20 LF for ACM pipe insulation), followed by a series of tasks for other quantities. For those tasks the contractor will be paid the first task with a unit of measure of EA, plus an additional task to arrive at the appropriate quantity for the project.					
<b>02 82 33 00-0001 Pipe And Pipe Fittings Insulation, Asbestos Abatement And Disposal (02 82 33)</b>					
<b>02 82 33 00-0002 Pipe Insulation, Asbestos Abatement And Disposal (02 82 33 00-0001)</b>					
Note: Diameter is outer size of insulation. Treat fittings as additional linear feet of insulation.					
<b>02 82 33 00-0003 Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal (02 82 33 00-0002)</b>					
See CSI section 02 82 33 00-0031 for projects with less than 10 LF.					
02 82 33 00-0004	SET		Up To 20 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal.....	1,118.72	
			<i>For Work In Restricted Working Space, Add</i>	330.02	
02 82 33 00-0005	LF		>20 To 250 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal.....	38.43	
			<i>For Work In Restricted Working Space, Add</i>	11.25	
02 82 33 00-0006	LF		>250 To 500 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal.....	29.06	
			<i>For Work In Restricted Working Space, Add</i>	8.44	
02 82 33 00-0007	LF		>500 To 2,500 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal.....	22.02	
			<i>For Work In Restricted Working Space, Add</i>	6.33	
02 82 33 00-0008	LF		>2,500 To 10,000 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal.....	16.75	
			<i>For Work In Restricted Working Space, Add</i>	4.75	
02 82 33 00-0009	LF		>10,000 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal.....	14.69	
			<i>For Work In Restricted Working Space, Add</i>	4.13	
<b>02 82 33 00-0010 &gt;6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal (02 82 33 00-0002)</b>					
See CSI section 02 82 33 00-0031 for projects with less than 10 LF.					
02 82 33 00-0011	SET		Up To 20 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal.....	1,137.36	
			<i>For Work In Restricted Working Space, Add</i>	330.02	
02 82 33 00-0012	LF		>20 To 250 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal.....	44.99	
			<i>For Work In Restricted Working Space, Add</i>	12.94	
02 82 33 00-0013	LF		>250 To 500 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal.....	34.20	
			<i>For Work In Restricted Working Space, Add</i>	9.70	
02 82 33 00-0014	LF		>500 To 2,500 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal.....	26.12	
			<i>For Work In Restricted Working Space, Add</i>	7.28	
02 82 33 00-0015	LF		>2,500 To 10,000 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal.....	20.05	
			<i>For Work In Restricted Working Space, Add</i>	5.46	
02 82 33 00-0016	LF		>10,000 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal.....	17.69	
			<i>For Work In Restricted Working Space, Add</i>	4.75	
<b>02 82 33 00-0017 &gt;12" To 18" Diameter Pipe Insulation, Asbestos Abatement And Disposal (02 82 33 00-0002)</b>					
See CSI section 02 82 33 00-0031 for projects with less than 10 LF.					
02 82 33 00-0018	SET		Up To 20 LF, >12" To 18" Diameter Pipe Insulation, Asbestos Abatement And Disposal.....	1,156.00	
			<i>For Work In Restricted Working Space, Add</i>	330.02	
02 82 33 00-0019	LF		>20 To 250 LF, >12" To 18" Diameter Pipe Insulation, Asbestos Abatement And Disposal.....	60.00	
			<i>For Work In Restricted Working Space, Add</i>	17.25	
02 82 33 00-0020	LF		>250 To 500 LF, >12" To 18" Diameter Pipe Insulation, Asbestos Abatement And Disposal.....	45.61	
			<i>For Work In Restricted Working Space, Add</i>	12.94	
02 82 33 00-0021	LF		>500 To 2,500 LF, >12" To 18" Diameter Pipe Insulation, Asbestos Abatement And Disposal.....	34.83	
			<i>For Work In Restricted Working Space, Add</i>	9.70	
02 82 33 00-0022	LF		>2,500 To 10,000 LF, >12" To 18" Diameter Pipe Insulation, Asbestos Abatement And Disposal.....	26.74	
			<i>For Work In Restricted Working Space, Add</i>	7.28	
02 82 33 00-0023	LF		>10,000 LF, >12" To 18" Diameter Pipe Insulation, Asbestos Abatement And Disposal.....	23.58	
			<i>For Work In Restricted Working Space, Add</i>	6.33	
<b>02 82 33 00-0024 &gt;18" To 24" Diameter Pipe Insulation, Asbestos Abatement And Disposal (02 82 33 00-0002)</b>					
See CSI section 02 82 33 00-0031 for projects with less than 10 LF.					



<b>Existing Conditions</b>	<b>02</b>	<b>02</b>
<b>Facility Remediation</b>	<b>02 80</b>	
<b>Asbestos Remediation</b>	<b>02 82</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 82 33 00-0025 SET Up To 20 LF, >18" To 24" Diameter Pipe Insulation, Asbestos Abatement And Disposal ..... <i>For Work In Restricted Working Space, Add</i>	1,174.64 330.02	
02 82 33 00-0026 LF >20 To 250 LF, >18" To 24" Diameter Pipe Insulation, Asbestos Abatement And Disposal..... <i>For Work In Restricted Working Space, Add</i>	82.49 23.72	
02 82 33 00-0027 LF >250 To 500 LF, >18" To 24" Diameter Pipe Insulation, Asbestos Abatement And Disposal..... <i>For Work In Restricted Working Space, Add</i>	62.71 17.79	
02 82 33 00-0028 LF >500 To 2,500 LF, >18" To 24" Diameter Pipe Insulation, Asbestos Abatement And Disposal..... <i>For Work In Restricted Working Space, Add</i>	47.89 13.34	
02 82 33 00-0029 LF >2,500 To 10,000 LF, >18" To 24" Diameter Pipe Insulation, Asbestos Abatement And Disposal..... <i>For Work In Restricted Working Space, Add</i>	36.76 10.00	
02 82 33 00-0030 LF >10,000 LF, >18" To 24" Diameter Pipe Insulation, Asbestos Abatement And Disposal..... <i>For Work In Restricted Working Space, Add</i>	32.42 8.70	
<b>02 82 33 00-0031 Glove Bag Method, Pipe Insulation, Asbestos Abatement And Disposal</b> (02 82 33 00-0002) Note: Solid isolation barriers and plastic sheeting for containment construction (except on floor) are not required for glove bag projects unless required by local codes.		
02 82 33 00-0032 SET Glove Bag For First 3 LF Pipe Insulation, Asbestos Abatement And Disposal ..... <i>For Work In Restricted Working Space, Add</i>	712.66 212.12	
02 82 33 00-0033 LF >3 To 20 LF Additional Glove Bag Work for Pipe Insulation..... <i>For Work In Restricted Working Space, Add</i>	119.71 35.36	
02 82 33 00-0034 LF >20 To 250 LF Additional Glove Bag Work for Pipe Insulation..... <i>For Work In Restricted Working Space, Add</i>	47.61 13.73	
02 82 33 00-0035 LF >250 To 500 LF Additional Glove Bag Work for Pipe Insulation..... <i>For Work In Restricted Working Space, Add</i>	36.16 10.29	
02 82 33 00-0036 LF >500 LF Additional Glove Bag Work for Pipe Insulation..... <i>For Work In Restricted Working Space, Add</i>	27.59 7.72	
<b>02 82 33 00-0037 Thermal Insulation, Asbestos Abatement And Disposal</b> (02 82 33)		
<b>02 82 33 00-0038 Calcium Block Insulation, Asbestos Abatement And Disposal</b> (02 82 33 00-0037)		
02 82 33 00-0039 SET Up To 10 SF, Calcium Block Insulation, Asbestos Abatement And Disposal ..... 02 82 33 00-0040 SF >10 To 500 SF, Calcium Block Insulation, Asbestos Abatement And Disposal..... 02 82 33 00-0041 SF >500 To 2,500 SF, Calcium Block Insulation, Asbestos Abatement And Disposal..... 02 82 33 00-0042 SF >2,500 To 10,000 SF, Calcium Block Insulation, Asbestos Abatement And Disposal..... 02 82 33 00-0043 SF >10,000 SF, Calcium Block Insulation, Asbestos Abatement And Disposal.....	1,109.40 45.76 37.79 30.39 24.86	
<b>02 82 33 00-0044 Fibrous Glass Blanket Insulation, Asbestos Abatement And Disposal</b> (02 82 33 00-0037)		
02 82 33 00-0045 SET Up To 10 SF, Fibrous Glass Blanket Insulation, Asbestos Abatement And Disposal ..... 02 82 33 00-0046 SF >10 To 500 SF, Fibrous Glass Blanket Insulation, Asbestos Abatement And Disposal..... 02 82 33 00-0047 SF >500 To 2,500 SF, Fibrous Glass Blanket Insulation, Asbestos Abatement And Disposal..... 02 82 33 00-0048 SF >2,500 To 10,000 SF, Fibrous Glass Blanket Insulation, Asbestos Abatement And Disposal..... 02 82 33 00-0049 SF >10,000 SF, Fibrous Glass Blanket Insulation, Asbestos Abatement And Disposal.....	1,104.74 40.18 32.21 24.82 19.28	
<b>02 82 33 00-0050 Fibrous Glass Board Insulation, Asbestos Abatement And Disposal</b> (02 82 33 00-0037)		
02 82 33 00-0051 SET Up To 10 SF, Fibrous Glass Board Insulation, Asbestos Abatement And Disposal..... 02 82 33 00-0052 SF >10 To 500 SF, Fibrous Glass Board Insulation, Asbestos Abatement And Disposal..... 02 82 33 00-0053 SF >500 To 2,500 SF, Fibrous Glass Board Insulation, Asbestos Abatement And Disposal..... 02 82 33 00-0054 SF >2,500 To 10,000 SF, Fibrous Glass Board Insulation, Asbestos Abatement And Disposal..... 02 82 33 00-0055 SF >10,000 SF, Fibrous Glass Board Insulation, Asbestos Abatement And Disposal.....	1,103.19 35.61 27.65 20.25 14.71	
<b>02 82 33 00-0056 Other Thermal Insulation, Up To 3" Thickness, Asbestos Abatement And Disposal</b> (02 82 33 00-0037) Note: e.g., duct, boiler, tank, etc.		
02 82 33 00-0057 SET Up To 25 SF, Up To 3" Thickness Thermal Insulation, Asbestos Abatement And Disposal..... 02 82 33 00-0058 SF >25 To 500 SF, Up To 3" Thickness Thermal Insulation, Asbestos Abatement And Disposal..... 02 82 33 00-0059 SF >500 To 2,500 SF, Up To 3" Thickness Thermal Insulation, Asbestos Abatement And Disposal..... 02 82 33 00-0060 SF >2,500 To 10,000 SF, Up To 3" Thickness Thermal Insulation, Asbestos Abatement And Disposal..... 02 82 33 00-0061 SF >10,000 SF, Up To 3" Thickness Thermal Insulation, Asbestos Abatement And Disposal.....	1,111.73 37.97 30.01 22.62 17.08	
<b>02 82 33 00-0062 Surfacing Material, Asbestos Abatement And Disposal</b> (02 82 33)		
<b>02 82 33 00-0063 Fireproofing For Small Areas, Asbestos Abatement And Disposal</b> (02 82 33 00-0062) Note: For asbestos abatement for up to 1 SF sections to expose area for attachments. See CSI section 02 82 33 00-0065 for areas > 1 SF see CSI section.		
02 82 33 00-0064 EA Up To 1 SF, Fireproofing For Small Areas, Asbestos Abatement And Disposal..... Note: For asbestos abatement for up to 1 SF sections to expose steel area for welding attachments.	183.82	
<b>02 82 33 00-0065 Fireproofing, Asbestos Abatement And Disposal</b> (02 82 33 00-0062) Note: Exposed surface area, includes associated overspray.		
02 82 33 00-0066 SET Up To 25 SF, Fireproofing, Asbestos Abatement And Disposal ..... 02 82 33 00-0067 SF >25 To 500 SF, Fireproofing, Asbestos Abatement And Disposal..... 02 82 33 00-0068 SF >500 To 2,500 SF, Fireproofing, Asbestos Abatement And Disposal..... 02 82 33 00-0069 SF >2,500 To 10,000 SF, Fireproofing, Asbestos Abatement And Disposal.....	1,111.73 45.47 34.21 25.78	

**02 Existing Conditions****02 80 Facility Remediation****02 82 Asbestos Remediation**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 82 33 00-0070 SF >10,000 SF, Fireproofing, Asbestos Abatement And Disposal.....	19.44	
<b>02 82 33 00-0071 Acoustical Plaster, Asbestos Abatement And Disposal</b> (02 82 33 00-0062) Note: Remove surface coat from brown coat or remove entire assembly, including lathe and finish materials.		
02 82 33 00-0072 SET Up To 25 SF, Acoustical Plaster, Asbestos Abatement And Disposal.....	1,107.85	
02 82 33 00-0073 SF >25 To 500 SF, Acoustical Plaster, Asbestos Abatement And Disposal.....	19.10	
02 82 33 00-0074 SF >500 To 2,500 SF, Acoustical Plaster, Asbestos Abatement And Disposal.....	14.52	
02 82 33 00-0075 SF >2,500 To 10,000 SF, Acoustical Plaster, Asbestos Abatement And Disposal.....	10.86	
02 82 33 00-0076 SF >10,000 SF, Acoustical Plaster, Asbestos Abatement And Disposal.....	8.10	
<b>02 82 33 00-0077 Plywood, Asbestos Abatement And Disposal</b> (02 82 33 00-0062)		
02 82 33 00-0078 SET Up To 40 SF, Plywood, Asbestos Abatement And Disposal.....	1,112.51	
02 82 33 00-0079 SF >50 To 500 SF, Plywood, Asbestos Abatement And Disposal.....	15.90	
02 82 33 00-0080 SF >500 To 2,500 SF, Plywood, Asbestos Abatement And Disposal.....	7.81	
02 82 33 00-0081 SF >2,500 To 10,000 SF, Plywood, Asbestos Abatement And Disposal.....	5.37	
02 82 33 00-0082 SF >10,000 SF, Plywood, Asbestos Abatement And Disposal.....	4.62	
<b>02 82 33 00-0083 Asbestos-Cement Products, Asbestos Abatement And Disposal</b> (02 82 33)		
<b>02 82 33 00-0084 Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal</b> (02 82 33 00-0083)		
02 82 33 00-0085 SET Up To 100 SF, Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal.....	1,115.61	
02 82 33 00-0086 SF >100 To 500 SF, Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal.....	6.67	
02 82 33 00-0087 SF >500 To 2,500 SF, Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal.....	3.50	
02 82 33 00-0088 SF >2,500 To 10,000 SF, Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal.....	2.83	
02 82 33 00-0089 SF >10,000 SF, Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal.....	2.48	
<b>02 82 33 00-0090 Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal</b> (02 82 33 00-0083)		
02 82 33 00-0091 SET Up To 10 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal.....	935.38	
02 82 33 00-0092 LF >10 To 100 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal.....	39.36	
02 82 33 00-0093 LF >100 To 250 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal.....	29.99	
02 82 33 00-0094 LF >250 To 500 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal.....	22.95	
02 82 33 00-0095 LF >500 To 2,500 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal.....	17.69	
02 82 33 00-0096 LF >2,500 To 10,000 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal.....	13.72	
02 82 33 00-0097 LF >10,000 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal.....	13.45	
<b>02 82 33 00-0098 Exterior Transite Siding, Asbestos Abatement And Disposal</b> (02 82 33 00-0083)		
02 82 33 00-0099 SET Up To 125 SF, Exterior Transite Siding, Asbestos Abatement And Disposal.....	1,126.41	
Note: Single or first of multiple layers.		
02 82 33 00-0100 SF >125 To 1,000 SF, Exterior Transite Siding, Asbestos Abatement And Disposal.....	6.02	
Note: Single or first of multiple layers.		
02 82 33 00-0101 SF >1,000 To 5,000 SF, Exterior Transite Siding, Asbestos Abatement And Disposal.....	4.85	
Note: Single or first of multiple layers.		
02 82 33 00-0102 SF >5,000 To 10,000 SF, Exterior Transite Siding, Asbestos Abatement And Disposal.....	3.91	
Note: Single or first of multiple layers.		
02 82 33 00-0103 SF >10,000 To 20,000 SF, Exterior Transite Siding, Asbestos Abatement And Disposal.....	2.97	
Note: Single or first of multiple layers.		
02 82 33 00-0104 SF >20,000 SF, Exterior Transite Siding, Asbestos Abatement And Disposal.....	2.27	
Note: Single or first of multiple layers.		
<b>02 82 33 00-0105 Asbestos Contaminated Debris, Asbestos Abatement And Disposal</b> (02 82 33)		
<b>02 82 33 00-0106 Asbestos Contaminated Debris, Asbestos Abatement And Disposal</b> (02 82 33 00-0105)		
02 82 33 00-0107 SET Up To 10 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal.....	752.03	
For Work In Restricted Working Space, Add	220.02	
02 82 33 00-0108 CF >10 To 100 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal.....	74.78	
For Work In Restricted Working Space, Add	21.88	
02 82 33 00-0109 CF >100 To 250 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal.....	50.48	
For Work In Restricted Working Space, Add	14.59	
02 82 33 00-0110 CF >250 To 500 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal.....	38.38	
For Work In Restricted Working Space, Add	10.96	
02 82 33 00-0111 CF >500 To 2,500 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal.....	31.03	
For Work In Restricted Working Space, Add	8.75	
02 82 33 00-0112 CF >2,500 To 10,000 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal.....	26.65	
For Work In Restricted Working Space, Add	7.44	
02 82 33 00-0113 CF >10,000 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal.....	24.17	
For Work In Restricted Working Space, Add	6.69	
<b>02 82 33 00-0114 Other Asbestos Containing Materials, Asbestos Abatement And Disposal</b> (02 82 33)		
<b>02 82 33 00-0115 30" To 36" Fire Door, Asbestos Abatement And Disposal</b> (02 82 33 00-0114)		
02 82 33 00-0116 SET Up To 1 EA, 30" To 36" Fire Door, Asbestos Abatement And Disposal.....	375.08	
02 82 33 00-0117 EA >1 To 20 EA, 30" To 36" Fire Door, Asbestos Abatement And Disposal.....	140.40	



<b>Existing Conditions</b>	<b>02</b>	<b>02</b>
<b>Facility Remediation</b>	<b>02 80</b>	
<b>Asbestos Remediation</b>	<b>02 82</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 82 33 00-0118 EA >20 EA, 30" To 36" Fire Door, Asbestos Abatement And Disposal .....	127.19	
<b>02 82 33 00-0119 Grout, Asbestos Abatement And Disposal</b> (02 82 33 00-0114)		
Note: e.g. flue grout.		
02 82 33 00-0120 SET Up To 10 LF, Grout, Asbestos Abatement And Disposal .....	366.95	
02 82 33 00-0121 LF >10 To 50 LF, Grout, Asbestos Abatement And Disposal .....	14.47	
02 82 33 00-0122 LF >50 To 100 LF, Grout, Asbestos Abatement And Disposal .....	9.97	
02 82 33 00-0123 LF >100 To 250 LF, Grout, Asbestos Abatement And Disposal .....	8.54	
02 82 33 00-0124 LF >250 To 1,000 LF, Grout, Asbestos Abatement And Disposal .....	7.34	
02 82 33 00-0125 LF >1,000 To 2,500 LF, Grout, Asbestos Abatement And Disposal .....	6.33	
02 82 33 00-0126 LF >2,500 LF, Grout, Asbestos Abatement And Disposal .....	5.43	
<b>02 82 33 00-0127 Gaskets, Asbestos Abatement And Disposal</b> (02 82 33 00-0114)		
Note: e.g. rope, web cloth, flat.		
02 82 33 00-0128 SET Up To 10 LF, Gaskets, Asbestos Abatement And Disposal .....	367.08	
02 82 33 00-0129 LF >10 To 50 LF, Gaskets, Asbestos Abatement And Disposal .....	19.49	
02 82 33 00-0130 LF >50 To 250 LF, Gaskets, Asbestos Abatement And Disposal .....	14.63	
02 82 33 00-0131 LF >250 To 500 LF, Gaskets, Asbestos Abatement And Disposal .....	12.46	
02 82 33 00-0132 LF >500 To 1,500 LF, Gaskets, Asbestos Abatement And Disposal .....	11.22	
02 82 33 00-0133 LF >1,500 To 2,500 LF, Gaskets, Asbestos Abatement And Disposal .....	10.09	
02 82 33 00-0134 LF >2,500 LF, Gaskets, Asbestos Abatement And Disposal .....	9.61	
<b>02 82 33 00-0135 Caulking, Asbestos Abatement And Disposal</b> (02 82 33 00-0114)		
<b>02 82 33 00-0136 Non-Friable Caulking, Asbestos Abatement And Disposal</b> (02 82 33 00-0135)		
02 82 33 00-0137 SET Up To 10 LF, Non-Friable Asbestos Contaminated Caulking, Asbestos Abatement And Disposal .....	366.95	
02 82 33 00-0138 LF >10 To 50 LF, Non-Friable Asbestos Contaminated Caulking, Asbestos Abatement And Disposal .....	10.85	
02 82 33 00-0139 LF >50 To 100 LF, Non-Friable Asbestos Contaminated Caulking, Asbestos Abatement And Disposal .....	7.66	
02 82 33 00-0140 LF >100 To 250 LF, Non-Friable Asbestos Contaminated Caulking, Asbestos Abatement And Disposal .....	5.71	
02 82 33 00-0141 LF >250 To 1,000 LF, Non-Friable Asbestos Contaminated Caulking, Asbestos Abatement And Disposal .....	4.30	
02 82 33 00-0142 LF >1,000 To 2,500 LF, Non-Friable Asbestos Contaminated Caulking, Asbestos Abatement And Disposal .....	3.40	
02 82 33 00-0143 LF >2,500 LF, Non-Friable Asbestos Contaminated Caulking, Asbestos Abatement And Disposal .....	2.95	
<b>02 82 33 00-0144 Window Putty, Asbestos Abatement And Disposal</b> (02 82 33 00-0114)		
02 82 33 00-0145 SET Up To 10 LF, Window Putty, Asbestos Abatement And Disposal .....	366.95	
02 82 33 00-0146 LF >10 To 50 LF, Window Putty, Asbestos Abatement And Disposal .....	14.47	
02 82 33 00-0147 LF >50 To 100 LF, Window Putty, Asbestos Abatement And Disposal .....	9.97	
02 82 33 00-0148 LF >100 To 250 LF, Window Putty, Asbestos Abatement And Disposal .....	8.54	
02 82 33 00-0149 LF >250 To 1,000 LF, Window Putty, Asbestos Abatement And Disposal .....	7.34	
02 82 33 00-0150 LF >1,000 LF, Window Putty, Asbestos Abatement And Disposal .....	6.33	
<b>02 82 33 00-0151 Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal</b> (02 82 33 00-0114)		
02 82 33 00-0152 SET Up To 4 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal .....	769.18	
02 82 33 00-0153 EA >4 To 40 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal .....	74.58	
02 82 33 00-0154 EA >40 To 60 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal .....	52.71	
02 82 33 00-0155 EA >60 To 125 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal .....	41.82	
02 82 33 00-0156 EA >125 To 625 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal .....	35.20	
02 82 33 00-0157 EA >625 To 1,500 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal .....	31.26	
02 82 33 00-0158 EA >1,500 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal .....	29.03	
<b>02 83 Lead Remediation</b> (02 80)		
See CSI section 01 56 16 00-0033 for temporary stud walls, 01 74 19 00-0055 for hauling in excess of 25 miles to transfer or disposal site, 02 89 00 00-0002 for plastic sheeting for containment construction, 02 89 00 00-0009 for decontamination chambers.		
<b>02 83 19 Lead-Based Paint Remediation</b> (02 83)		
<b>02 83 19 13 Lead-Based Paint Abatement</b> (02 83 19)		
Note: Includes materials, equipment, mobilization, preparation, critical barriers (e.g. electrical outlets, registers, windows, etc.), signage, removal, bagging, clean-up, vacuuming, transportation for up to 25 miles, disposal, personnel health monitoring, negative air, documentation and other associated costs necessary for the complete removal and disposal of lead contaminated materials in accordance with EPA and local regulations. Where types of Lead are listed by quantity, the quantity of the entire project, not a particular work area, is to be used in determining which task applies. See CSI section 01 56 16 00-0033 for temporary stud walls, 01 74 19 00-0055 for hauling in excess of 25 miles to transfer or disposal site, 02 89 00 00-0002 for plastic sheeting.		
<b>02 83 19 13-0001 Minimum Charge For Lead-Based Paint Remediation</b> (02 83 19 13)		
02 83 19 13-0002 EA Lead-Based Paint Remediation Minimum Show Up Charge .....	1,194.16	
Note: For projects where the total lead-based paint remediation charge is less than the minimum charge, use task "Minimum Charge For Lead-Based Paint Remediation" exclusively. Task "Minimum Charge For Lead-Based Paint Remediation" should not be used in conjunction with any other tasks in this section. Includes air sample and personal air monitoring.		
<b>02 83 19 13-0003 Lead Sampling And Testing</b> (02 83 19 13)		
Note: Includes packaging of sample for shipping, shipping to testing lab, chain of custody documentation, analysis of sample, lab report, and sample disposal. Excludes sampling time.		

**02 Existing Conditions****02 80 Facility Remediation****02 83 Lead Remediation**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

02 83 19 13-0004	HR	Certified Lead Sampling Technician For Bulk Sampling Or Air Monitoring .....	86.33
02 83 19 13-0005	EA	X-Ray Fluorescence (XRF) Lead Testing .....	72.26
		Note: Including Technician, 3 Readings Per Surface And Lab Fee .....	
02 83 19 13-0006	EA	5 Day Turnaround Toxicity Characteristic Leaching Procedure (TCLP) Lead Test And Lab Fee .....	69.18
02 83 19 13-0007	EA	48 Hour Turnaround Toxicity Characteristic Leaching Procedure (TCLP) Lead Test And Lab Fee .....	104.82
02 83 19 13-0008	EA	24 Hour Turnaround Toxicity Characteristic Leaching Procedure (TCLP) Lead Test And Lab Fee .....	146.74
02 83 19 13-0009	EA	5 Day Turnaround Total Threshold Leaching Concentration (TTLC) Lead Test And Lab Fee .....	27.25
02 83 19 13-0010	EA	24 Hour Turnaround Total Threshold Leaching Concentration (TTLC) Lead Test And Lab Fee .....	41.93
02 83 19 13-0011	EA	8 Hour Turnaround Total Threshold Leaching Concentration (TTLC) Lead Test And Lab Fee .....	52.41
02 83 19 13-0012	EA	5 Day Turnaround Soluble Threshold Limit Concentration (STLC) Lead Test And Lab Fee .....	69.18
02 83 19 13-0013	EA	3 Day Turnaround Soluble Threshold Limit Concentration (STLC) Lead Test And Lab Fee .....	104.82
02 83 19 13-0014	EA	5 Day Turnaround Lead Wipe Samples And Lab Fee .....	11.53
02 83 19 13-0015	EA	24 Hour Turnaround Lead Wipe Samples And Lab Fee .....	15.72
02 83 19 13-0016	EA	8 Hour Turnaround Lead Wipe Samples And Lab Fee .....	23.06
02 83 19 13-0017	EA	5 Day Turnaround Lead Air Samples And Lab Fee .....	11.53
02 83 19 13-0018	EA	24 Hour Turnaround Lead Air Samples And Lab Fee .....	15.72
02 83 19 13-0019	EA	8 Hour Turnaround Lead Air Samples And Lab Fee .....	23.06
02 83 19 13-0020	EA	5 Day Turnaround Lead Water Test and Lab Fee .....	41.93
02 83 19 13-0021	EA	24 Hour Turnaround Lead Water Test and Lab Fee .....	62.89
02 83 19 13-0022	EA	8 Hour Turnaround Lead Water Test and Lab Fee .....	83.85
02 83 19 13-0023	EA	5 Day Turnaround Lead Paint Chip Test and Lab Fee .....	43.36
02 83 19 13-0024	EA	5 Day Turnaround Lead Soil Test and Lab Fee .....	86.72

**02 83 19 13-0025****Chemical Stripping Of Lead Contaminated Material** (02 83 19 13)

Note: Per 0.02" (20 mils) application. Manufacture recommended operating temperatures not to be below 50 degrees. Includes heat gun (where required) for follow up, waste handling, packing and all personnel blood work, lab test fees and monitoring. Industrial coatings often contain other hazardous ingredients in addition to or in place of lead. These might include, but are not limited to, chromium, cadmium and mercury.

02 83 19 13-0026	SF	Balustrades, Chemical Stripping Of Lead Contaminated Material .....	33.22
		For 0.025" (25 mil) Application, Add .....	1.91
		For 0.03" (30 mil) Application, Add .....	3.02
02 83 19 13-0027	SF	Balustrades, Ormate, Chemical Stripping Of Lead Contaminated Material .....	49.21
		For 0.025" (25 mil) Application, Add .....	2.71
		For 0.03" (30 mil) Application, Add .....	4.22
02 83 19 13-0028	SF	Wood Floors, Chemical Stripping Of Lead Contaminated Material .....	7.95
		For 0.025" (25 mil) Application, Add .....	0.60
		For 0.03" (30 mil) Application, Add .....	1.02
02 83 19 13-0029	SF	HVAC Grilles, Chemical Stripping Of Lead Contaminated Material .....	29.67
		For 0.025" (25 mil) Application, Add .....	1.68
		For 0.03" (30 mil) Application, Add .....	2.65
02 83 19 13-0030	SF	HVAC Grilles, Ormate, Chemical Stripping Of Lead Contaminated Material .....	35.36
		For 0.025" (25 mil) Application, Add .....	1.97
		For 0.03" (30 mil) Application, Add .....	3.08
02 83 19 13-0031	EA	Up To 6" Diameter Hangers, Chemical Stripping Of Lead Contaminated Material .....	22.97
		For 0.025" (25 mil) Application, Add .....	1.45
		For 0.03" (30 mil) Application, Add .....	2.36
		For 0.125" (125 mil) Application, Add .....	14.74
02 83 19 13-0032	LF	>2" To 4" Diameter Pipes and Conduit, Chemical Stripping Of Lead Contaminated Material .....	10.31
		For 0.025" (25 mil) Application, Add .....	0.67
		For 0.03" (30 mil) Application, Add .....	1.09
		For 0.125" (125 mil) Application, Add .....	7.08
02 83 19 13-0033	LF	>4" To 8" Diameter Pipes and Conduit, Chemical Stripping Of Lead Contaminated Material .....	18.43
		For 0.025" (25 mil) Application, Add .....	1.17
		For 0.03" (30 mil) Application, Add .....	1.91
		For 0.125" (125 mil) Application, Add .....	12.11
02 83 19 13-0034	LF	>8" To 12" Diameter Pipes and Conduit, Chemical Stripping Of Lead Contaminated Material .....	25.24
		For 0.025" (25 mil) Application, Add .....	1.56
		For 0.03" (30 mil) Application, Add .....	2.53
		For 0.125" (125 mil) Application, Add .....	15.31
02 83 19 13-0035	LF	>12" To 16" Diameter Pipes and Conduit, Chemical Stripping Of Lead Contaminated Material .....	45.20
		For 0.025" (25 mil) Application, Add .....	2.71
		For 0.03" (30 mil) Application, Add .....	4.35
		For 0.125" (125 mil) Application, Add .....	24.80
02 83 19 13-0036	SF	>16" Diameter Pipes, Chemical Stripping Of Lead Contaminated Material, SF Of Surface Area .....	13.49
		For 0.025" (25 mil) Application, Add .....	0.78
		For 0.03" (30 mil) Application, Add .....	1.24
		For 0.125" (125 mil) Application, Add .....	6.61
02 83 19 13-0037	EA	Up To 12 SF Radiators, Chemical Stripping Of Lead Contaminated Material .....	267.87
		For 0.025" (25 mil) Application, Add .....	14.85
		For 0.03" (30 mil) Application, Add .....	23.18
02 83 19 13-0038	SF	Flat Steel Surfaces, Chemical Stripping Of Lead Contaminated Material .....	10.40
		For 0.025" (25 mil) Application, Add .....	0.72
		For 0.03" (30 mil) Application, Add .....	1.21
		For 0.125" (125 mil) Application, Add .....	8.60
02 83 19 13-0039	SF	Corrugated Steel, Chemical Stripping Of Lead Contaminated Material .....	11.79
		For 0.025" (25 mil) Application, Add .....	0.79
		For 0.03" (30 mil) Application, Add .....	1.31
		For 0.125" (125 mil) Application, Add .....	8.95
02 83 19 13-0040	SF	Steel Beams and Columns, Chemical Stripping Of Lead Contaminated Material .....	11.76
		For 0.025" (25 mil) Application, Add .....	0.79
		For 0.03" (30 mil) Application, Add .....	1.31
		For 0.125" (125 mil) Application, Add .....	8.94



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 83 19 13-0041 SF Metal Stairs, Chemical Stripping Of Lead Contaminated Material .....53.81 <i>For 0.025" (25 mil) Application, Add</i> 3.09 <i>For 0.03" (30 mil) Application, Add</i> 4.89 <i>For 0.125" (125 mil) Application, Add</i> 25.45		
02 83 19 13-0042 LF Metal Single Hand Rail, Chemical Stripping Of Lead Contaminated Material.....9.39 <i>For 0.025" (25 mil) Application, Add</i> 0.62 <i>For 0.03" (30 mil) Application, Add</i> 1.02 <i>For 0.125" (125 mil) Application, Add</i> 6.85		
02 83 19 13-0043 SF Metal Railing And Posts, Chemical Stripping Of Lead Contaminated Material .....27.41 Note: The unit of measure "SF" is measured for 'Length x Height'. Work includes both sides of railing. <i>For 0.025" (25 mil) Application, Add</i> 1.67 <i>For 0.03" (30 mil) Application, Add</i> 2.69 <i>For 0.125" (125 mil) Application, Add</i> 15.85		
02 83 19 13-0044 SF Metal Picket Fence, Chemical Stripping Of Lead Contaminated Material.....29.92 <i>For 0.025" (25 mil) Application, Add</i> 1.75 <i>For 0.03" (30 mil) Application, Add</i> 2.78 <i>For 0.125" (125 mil) Application, Add</i> 14.98		
<b>02 83 19 13-0045 Demolish Lead Contaminated Material</b> <small>(02 83 19 13)</small> Note: Includes waste handling, packing, all personnel blood work, lab test fees and monitoring. Industrial coatings often contain other hazardous ingredients in addition to or in place of lead. These might include, but are not be limited to, chromium, cadmium and mercury.		
02 83 19 13-0046 SF Demolish Brick, Lead Contaminated Material .....4.11		
02 83 19 13-0047 SF Demolish Concrete Block, Lead Contaminated Material.....5.28		
02 83 19 13-0048 SF Demolish Up To 6" Concrete, Lead Contaminated Material .....5.99		
02 83 19 13-0049 IN Drilling, Up To 1/2" Diameter In Lead Paint/Asbestos Material Per Inch Of Depth .....4.67		
02 83 19 13-0050 IN Drilling, >1/2" To 1" Diameter In Lead Paint/Asbestos Material Per Inch Of Depth .....6.23		
02 83 19 13-0051 LF Demolish Wood Balustrades And Railings, Lead Contaminated Material.....6.82		
02 83 19 13-0052 SF Demolish Concrete, Lead Contaminated Material .....13.56		
02 83 19 13-0053 LF Demolish Cabinets, Lead Contaminated Material .....31.59		
02 83 19 13-0054 SF Demolish Grilles, Lead Contaminated Material.....3.80		
02 83 19 13-0055 EA Demolish Up To 6" Diameter Hangers, Lead Contaminated Material.....16.42		
02 83 19 13-0056 LF Demolish Up To 2" Diameter Pipes, Lead Contaminated Material .....6.73		
02 83 19 13-0057 LF Demolish >2" To 4" Diameter Pipes, Lead Contaminated Material.....9.82		
02 83 19 13-0058 LF Demolish >4" To 8" Diameter Pipes, Lead Contaminated Material.....14.84		
02 83 19 13-0059 LF Demolish >8" To 12" Diameter Pipes, Lead Contaminated Material.....27.38		
02 83 19 13-0060 EA Demolish Radiators, Lead Contaminated Material.....118.26		
02 83 19 13-0061 SF Demolish Siding, Lead Contaminated Material.....1.83		
02 83 19 13-0062 SF Demolish Flat Steel Surfaces, Lead Contaminated Material.....4.26		
02 83 19 13-0063 SF Demolish Steel Beams, Lead Contaminated Material.....5.02		
02 83 19 13-0064 SF Demolish Trusses, Lead Contaminated Material .....6.58		
02 83 19 13-0065 SF Demolish Metal Stair, Lead Contaminated Material.....7.83		
02 83 19 13-0066 LF Demolish Single Metal Hand Rail, Lead Contaminated Material .....5.76		
02 83 19 13-0067 LF Demolish Metal Railing And Posts, Lead Contaminated Material .....9.40		
02 83 19 13-0068 SF Demolish Metal Picket Fence, Lead Contaminated Material .....2.58		
02 83 19 13-0069 SF Demolish Plywood, Lead Contaminated Material .....7.07		
02 83 19 13-0070 SF Demolish Planks (Various Sizes), Lead Contaminated Material.....3.45		
02 83 19 13-0071 EA Demolish Metal Brackets Or Other Small Metal Shapes, Lead Contaminated Material.....21.58		
02 83 19 13-0072 LF Demolish Metal Guard Rails, Lead Contaminated Material .....12.95		
<b>02 83 19 13-0073 Wet Sanding/Light Scraping Of Lead Contaminated Material</b> <small>(02 83 19 13)</small> Note: Remove loose, flaking lead-based paint to prepare for painting.		
02 83 19 13-0074 SF Wet Sand/Scrape Of Lead Contaminated Material To Prepare For Painting.....3.29		
<b>02 83 19 13-0075 Lead Abatement Encapsulation</b> <small>(02 83 19 13)</small> Note: Can also be used for asbestos contaminated encapsulation. Spray applied application unless task described otherwise.		
02 83 19 13-0076 SF Balustrades, Lead Abatement Encapsulation .....6.02		
02 83 19 13-0077 SF Brick, Concrete Block, Concrete, Lead Abatement Encapsulation .....3.89		
02 83 19 13-0078 SF Columns, Lead Abatement Encapsulation .....4.69		
02 83 19 13-0079 SF Picket Fence (Brush), Lead Abatement Encapsulation.....2.82		
02 83 19 13-0080 SF Wood Floors (Roller), Lead Abatement Encapsulation .....2.36		
02 83 19 13-0081 SF Grilles, Vents, Lead Abatement Encapsulation .....6.49		
02 83 19 13-0082 EA Hangers, Lead Abatement Encapsulation .....50.87		
02 83 19 13-0083 LF Up To 4" Diameter Pipe (Brush), Lead Abatement Encapsulation.....3.66		
02 83 19 13-0084 LF >4" To 8" Diameter Pipe (Brush), Lead Abatement Encapsulation .....5.30		
02 83 19 13-0085 LF >8" To 12" Diameter Pipe (Brush), Lead Abatement Encapsulation .....8.24		
02 83 19 13-0086 LF >12" To 16" Diameter Pipe (Brush), Lead Abatement Encapsulation .....12.17		
02 83 19 13-0087 SF Siding, Lead Abatement Encapsulation .....3.36		
02 83 19 13-0088 SF Steel, Flat Surfaces And Tanks Up To 12', Lead Abatement Encapsulation .....3.89		
02 83 19 13-0089 SF Steel Beams And Metal Decks, Lead Abatement Encapsulation.....5.07		
02 83 19 13-0090 SF Trusses, Lead Abatement Encapsulation .....5.07		
<b>02 83 33 Removal and Disposal of Material Containing Lead</b> <small>(02 83)</small>		
<b>02 83 33 13 Lead-Based Paint Removal and Disposal</b> <small>(02 83 33)</small>		
02 83 33 13-0001 Remove Loose Dirt And Debris Containing Lead <small>(02 83 33 13)</small>		

**02 Existing Conditions****02 80 Facility Remediation****02 83 Lead Remediation**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 83 33 13-0002 SF High Efficiency Particulate Air (HEPA) Vacuum And Wet Cleaning Of Lead Contaminated Area With Mild Detergent.....	0.28	
02 83 33 13-0003 SF High Efficiency Particulate Air (HEPA) Vacuum And Wet Cleaning Of Lead Contaminated Area With Tri-Sodium Phosphate .....	0.29	
02 83 33 13-0004 SF High Efficiency Particulate Air (HEPA) Vacuum And Shampoo Cleaning Of Lead Contaminated Carpeting .....	1.37	

**02 86 Hazardous Waste Drum Handling (02 80)**

02 86 00 00-0001	Hazardous Waste Packaging (02 86)	
02 86 00 00-0002	Overpacks (02 86 00 00-0001)	
02 86 00 00-0003	Steel Salvage Drums, 16 Gauge (02 86 00 00-0002)	
02 86 00 00-0004 EA	110 Gallon, 30" Diameter X 41" High.....	543.97
02 86 00 00-0005 EA	85 Gallon, 26" Diameter X 38" High.....	309.65
02 86 00 00-0006 EA	83 Gallon, 26" Diameter X 36" High.....	298.86
02 86 00 00-0007 EA	55 Gallon, DOT 17C, 18" Diameter X 34" High.....	186.98
02 86 00 00-0008 EA	30 Gallon, DOT 17C, 18" Diameter X 28" High.....	147.29
02 86 00 00-0009 EA	22 Gallon, 16" Diameter X 25" High.....	99.24
02 86 00 00-0010 EA	15 Gallon, DOT 17C, 14" Diameter X 24" High.....	89.72
02 86 00 00-0011 EA	10 Gallon, 13.8" Diameter X 15" High.....	79.06
02 86 00 00-0012	Polyethylene Overpacks (02 86 00 00-0002)	
02 86 00 00-0013 EA	95 Gallon, DOT E9618, Twist On Lid 31" Diameter X 41" High .....	614.45
02 86 00 00-0014 EA	20 Gallon, Labpack, Twist On Lid 21" Diameter X 7.5" High .....	113.55
02 86 00 00-0015 EA	85 Gallon, DOT E9775, Clamp Ring Lid, 27" Diameter X 41" High .....	556.00
02 86 00 00-0016	Composite Overpacks (02 86 00 00-0002)	
02 86 00 00-0017 EA	55 Gal, DOT 17C, Steel Drum Nested With 2-20 Gallon Fiber Drums.....	301.72
02 86 00 00-0018 EA	55 Gal, DOT 17C, Steel Drum Nested With 4-10 Gallon Fiber Drums.....	414.04
02 86 00 00-0019 EA	85 Gal, 16 Gauge Salvage Drum Nested With 3-20 Gallon Fiber Drums .....	561.59
02 86 00 00-0020	DOT E-9168 Exempt Packaging (02 86 00 00-0002)	
02 86 00 00-0021 EA	32 Oz Bottle, Carton, Insert, Can, Poly Bag And Tape -E9168.....	59.26
02 86 00 00-0022 EA	950 cc Bottle, Carton, Insert, Can, Poly Bag And Tape -E9168.....	62.51
02 86 00 00-0023 EA	500 cc Bottle, Carton, Insert, Can, Poly Bag And Tape -E9168.....	61.12
02 86 00 00-0024 EA	250 cc Bottle, Carton, Insert, Can, Poly Bag And Tape -E9168.....	30.26
02 86 00 00-0025 EA	Can, Carton, Insert, Tape - Corrosive And Flammable - UPS .....	16.17
02 86 00 00-0026 EA	16 Oz Bottle, Carton, Insert And Tape, Sludge/Viscous, UPS .....	15.15
02 86 00 00-0027 EA	32 Oz Bottle, Carton, Insert And Tape, Sludge/Viscous, UPS .....	19.70
02 86 00 00-0028	Steel Drums (02 86 00 00-0001)	
02 86 00 00-0029	UN Rated Steel Drums (02 86 00 00-0028)	
02 86 00 00-0030 EA	UN 1A2/X 320/S 55 Gallon, Open, 16 Gauge, Steel Drum .....	253.52
02 86 00 00-0031 EA	55 Gallon Stainless Steel DOT 5C Seamless Oh Drum 16-Gauge (25-49) .....	1,380.00
02 86 00 00-0032 EA	8 Gallon, 17C, Open, Steel Drum .....	101.31
02 86 00 00-0033 EA	55 Gallon Stainless Steel DOT 17E Ch 18-Gauge Drum (10-24) .....	1,113.58
02 86 00 00-0034 EA	55 Gallon Reconditioned Steel 17h Drum (50+) .....	99.10
02 86 00 00-0035 EA	55 Gallon Stainless Steel DOT 17E Ch 18-Gauge Drum (25-49) .....	1,092.62
02 86 00 00-0036 EA	55 Gallon Stainless Steel DOT 5C Ch Seamless Drum 16-Gauge (10-24) .....	1,598.52
02 86 00 00-0037 EA	55 Gallon Stainless Steel DOT 5C Seamless Oh Drum 16-Gauge (50+) .....	1,308.15
02 86 00 00-0038 EA	UN 1A2/X 320/S 55 Gallon, Closed, 16 Gauge, Steel Drum .....	239.62
02 86 00 00-0039 EA	UN 1A2/Y 1.4/100 55 Gallon, Open, 16 Gauge, Steel Drum .....	194.30
02 86 00 00-0040 EA	55 Gallon Stainless Steel DOT 5C Oh 16-Gauge Drum (1-9).....	1,445.85
02 86 00 00-0041 EA	55 Gallon Stainless Steel DOT 5C Ch Seamless Drum 16-Gauge (25-49) .....	1,568.59
02 86 00 00-0042 EA	55 Gallon Stainless Steel DOT 17E Ch 18-Gauge Drum (50+) .....	984.86
02 86 00 00-0043 EA	55 Gallon Stainless Steel DOT 5C Ch Seamless Drum 16-Gauge (50+) .....	1,412.93
02 86 00 00-0044 EA	UN 1A2/Y 1.4/100 55 Gallon, Closed, 16 Gauge, Steel Drum .....	153.12
02 86 00 00-0045 EA	55 Gallon Stainless Steel DOT 5C Oh 16-Gauge Drum (10-24).....	1,418.91
02 86 00 00-0046 EA	30 Gallon Stainless Steel DOT 5C Ch 16-Gauge Drum (1-9).....	927.98
02 86 00 00-0047 EA	30 Gallon Stainless Steel DOT 5C Ch 16-Gauge Drum (10-24).....	892.06
02 86 00 00-0048 EA	55 Gallon Stainless Steel DOT 5C Ch 16-Gauge Drum (1-9).....	1,508.72
02 86 00 00-0049 EA	55 Gallon Stainless Steel DOT 5C Oh 16-Gauge Drum (25-49).....	1,278.22
02 86 00 00-0050 EA	UN 1A2/X 160/S 30 Gallon, Open, 18 Gauge, Steel Drum .....	177.49
02 86 00 00-0051 EA	55 Gallon Stainless Steel DOT 5C Oh 16-Gauge Drum (50+) .....	1,212.36
02 86 00 00-0052 EA	UN 1A2/Y 1.4/100 30 Gallon, Open, 18 Gauge, Steel Drum .....	150.87
02 86 00 00-0053 EA	55 Gallon Stainless Steel DOT 5C Ch 16-Gauge Drum (10-24).....	1,472.80
02 86 00 00-0054 EA	30 Gallon Stainless Steel DOT 5C Ch 16-Gauge Drum (25-49).....	853.14
02 86 00 00-0055 EA	30 Gallon Stainless Steel DOT 5C Ch 16-Gauge Drum (50+).....	823.21
02 86 00 00-0056 EA	55 Gallon Stainless Steel DOT 5C Ch 16-Gauge Drum (25-49).....	1,445.85
02 86 00 00-0057 EA	30 Gallon, 17E, Open, Steel Drum .....	109.46
02 86 00 00-0058 EA	55 Gallon Reconditioned Steel 17h Drum (1-9) .....	145.35
02 86 00 00-0059 EA	20 Gallon, 17C, Open, Steel Drum .....	153.83
02 86 00 00-0060 EA	55 Gallon Stainless Steel DOT 5C Ch 16-Gauge Drum (50+).....	1,302.17
02 86 00 00-0061 EA	55 Gallon Stainless Steel DOT 5C Seamless Oh Drum 16-Gauge (1-9).....	1,559.61





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 86 00 00-0062 EA 55 Gallon Reconditioned Steel 17h Drum (10-24) .....	128.84	
02 86 00 00-0063 EA 55 Gallon Reconditioned Steel 17h Drum (25-49) .....	112.32	
02 86 00 00-0064 EA 55 Gallon Stainless Steel DOT 17E Ch 18-Gauge Drum (1-9) .....	1,140.52	
02 86 00 00-0065 EA 55 Gallon Stainless Steel DOT 5C Seamless Oh Drum 16-Gauge (10-24) .....	1,529.67	
02 86 00 00-0066 EA 20 Gallon, 17E, Open, Steel Drum .....	103.54	
<b>02 86 00 00-0067 Plastic Drums (02 86 00 00-0001)</b>		
<b>02 86 00 00-0068 Polyethylene Closed Head Drums (02 86 00 00-0067)</b>		
Note: Closed head drums have standard NPS (National Pipe Standard) plug and drain vents. Primarily for liquids.		
02 86 00 00-0069 EA 55 Gallon Polyethylene Closed Head Drums .....	159.15	
02 86 00 00-0070 EA 35 Gallon Polyethylene Closed Head Drums .....	122.18	
02 86 00 00-0071 EA 30 Gallon Polyethylene Closed Head Drums .....	110.93	
02 86 00 00-0072 EA 20 Gallon Polyethylene Closed Head Drums .....	77.51	
02 86 00 00-0073 EA 15 Gallon Polyethylene Closed Head Drums .....	76.03	
<b>02 86 00 00-0074 Polyethylene Open Head Drums (02 86 00 00-0067)</b>		
Note: Open head drums are primarily used for solids and sludge.		
02 86 00 00-0075 EA 55 Gallon Polyethylene Open Head Drums .....	201.16	
02 86 00 00-0076 EA 35 Gallon Polyethylene Open Head Drums .....	147.91	
02 86 00 00-0077 EA 30 Gallon Polyethylene Open Head Drums .....	140.52	
02 86 00 00-0078 EA 20 Gallon Polyethylene Open Head Drums .....	103.54	
02 86 00 00-0079 EA 15 Gallon Polyethylene Open Head Drums .....	88.75	
<b>02 86 00 00-0080 Fiber Drums (02 86 00 00-0001)</b>		
<b>02 86 00 00-0081 Steel Top/Fiber Bottom Drums, Hazardous (02 86 00 00-0080)</b>		
Note: Waste fiber drums have tubular rubber gaskets and caulked bottom seams.		
02 86 00 00-0082 EA 30 Gallon Fiber Drum DOT-21C (1-9) .....	121.88	
02 86 00 00-0083 EA 30 Gallon Fiber Drum DOT-21C (10-24) .....	114.19	
02 86 00 00-0084 EA 30 Gallon Fiber Drum DOT-21C (25-49) .....	104.13	
02 86 00 00-0085 EA 30 Gallon Fiber Drum DOT-21C (50+) .....	102.95	
02 86 00 00-0086 EA 55 Gallon Fiber Drum DOT-21C (1-9) .....	125.43	
02 86 00 00-0087 EA 55 Gallon Fiber Drum DOT-21C (10-24) .....	118.33	
02 86 00 00-0088 EA 55 Gallon Fiber Drum DOT-21C (25-49) .....	109.46	
02 86 00 00-0089 EA 55 Gallon Fiber Drum DOT-21C (50-99) .....	105.91	
02 86 00 00-0090 EA 55 Gallon Fiber Drum DOT-21C (100+) .....	91.71	
02 86 00 00-0091 EA 10 Gallon, 20" Diameter, DOT 21C-250 Polyethylene/Polyester Lined .....	78.10	
02 86 00 00-0092 EA 20 Gallon, 20" Diameter, DOT 21C-250 Polyethylene/Polyester Lined .....	85.20	
02 86 00 00-0093 EA 20 Gallon, 23" Diameter, DOT 21C-250 Polyethylene/Polyester Lined .....	99.40	
<b>02 86 00 00-0094 Loading Hazardous Waste For Shipment (02 86 00 00-0001)</b>		
02 86 00 00-0095 EA Load Drums On Disposal Truck .....	11.31	
02 86 00 00-0096 EA Load Liquid Or Sludge Into 5,000 Gallon Bulk Tank Truck .....	1,190.79	
<b>02 86 00 00-0097 Transport Drums To Landfill (02 86 00 00-0001)</b>		
Note: Includes transportation for up to 25 miles.		
02 86 00 00-0098 EA Transport Drum To Landfill .....	98.62	
Note: Includes transportation for up to 25 miles.		

**02 87 Bio-Hazard Material Remediation (02 80)**

**02 87 13 Mold Remediation (02 87)**

Note: All unit pricing in this section includes: materials, equipment, mobilization, preparation, removal, clean-up, vacuuming, transportation for up to 25 miles, disposal, monitoring (personnel and air), sampling/testing, fees, documentation and other associated costs necessary for the complete removal and disposal of mold in accordance with EPA, OSHA, IICRC standards and local regulations. Where types of Mold are listed by quantity, the quantity of the entire project, not a particular work area of building, is to be used in determining which tasks apply. For certain types of work, there is a task with a unit of measure of SET for a quantity of less than 100 LF or SF (Up to 25 LF for Mold Abatement pipe insulation), followed by a series of tasks for other quantities. For those tasks the contractor will be paid the first task with a unit of measure of EA, plus an additional task to arrive at the appropriate quantity for the project. See CSI section 01 56 16 00-0033 for temporary stud walls, 01 74 19 00-0055 for hauling in excess of 25 miles to transfer or disposal site, 02 89 00 00-0002 for plastic sheeting for containment construction, 02 89 00 00-0009 for decontamination chambers.

**02 87 13 33 Removal and Disposal of Materials with Mold (02 87 13)**

02 87 13 33-0001 Pipe And Pipe Fittings Insulation, Mold Abatement And Disposal (02 87 13 33)

Note: Treat fittings as additional lf of insulation.

02 87 13 33-0002 Pipe Insulation, Mold Abatement And Disposal (02 87 13 33-0001)

Note: Diameter is outer size of insulation.

02 87 13 33-0003 Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal (02 87 13 33-0002)

Note: Excludes encased fittings.

02 87 13 33-0004 SET Up To 20 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal .....	742.71
02 87 13 33-0005 LF >20 To 250 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal .....	28.83
02 87 13 33-0006 LF >250 To 500 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal .....	21.74
02 87 13 33-0007 LF >500 To 2,500 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal .....	16.42



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 87 13 33-0008 LF >2,500 To 10,000 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal.....	12.43	
02 87 13 33-0009 LF >10,000 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal.....	10.88	
<b>02 87 13 33-0010 &gt;6" Diameter Pipe Insulation, Mold Abatement And Disposal (02 87 13 33-0002)</b>		
02 87 13 33-0011 SET Up To 20 LF, >6" Diameter Pipe Insulation, Mold Abatement And Disposal.....	770.67	
02 87 13 33-0012 LF >20 To 250 LF, >6" Diameter Pipe Insulation, Mold Abatement And Disposal.....	34.47	
02 87 13 33-0013 LF >250 To 500 LF, >6" Diameter Pipe Insulation, Mold Abatement And Disposal.....	26.32	
02 87 13 33-0014 LF >500 To 2,500 LF, >6" Diameter Pipe Insulation, Mold Abatement And Disposal.....	20.21	
02 87 13 33-0015 LF >2,500 To 10,000 LF, >6" Diameter Pipe Insulation, Mold Abatement And Disposal.....	15.62	
02 87 13 33-0016 LF >10,000 LF, >6" Diameter Pipe Insulation, Mold Abatement And Disposal.....	13.83	
<b>02 87 13 33-0017 Thermal Insulation, Mold Abatement And Disposal (02 87 13 33)</b>		
<b>02 87 13 33-0018 Other Thermal Insulation, Up To 3" Thick, Mold Abatement And Disposal (02 87 13 33-0017)</b>		
02 87 13 33-0019 SET Up To 50 SF, Up To 3" Thick Thermal Insulation, Mold Abatement And Disposal.....	756.69	
02 87 13 33-0020 SF >50 To 500 SF, Up To 3" Thick Thermal Insulation, Mold Abatement And Disposal.....	16.77	
02 87 13 33-0021 SF >500 To 2,500 SF, Up To 3" Thick Thermal Insulation, Mold Abatement And Disposal.....	12.70	
02 87 13 33-0022 SF >2,500 To 10,000 SF, Up To 3" Thick Other Thermal Insulation, Mold Abatement And Disposal.....	9.64	
02 87 13 33-0023 SF >10,000 SF, Up To 3" Thick Thermal Insulation, Mold Abatement And Disposal.....	7.49	
<b>02 87 13 33-0024 Surfacing Material, Mold Abatement And Disposal (02 87 13 33)</b>		
Note: e.g. fireproofing, acoustical plaster, etc.		
<b>02 87 13 33-0025 Stucco, Mold Abatement And Disposal (02 87 13 33-0024)</b>		
Note: Remove surface coat from brown coat or remove entire assembly, including lath.		
02 87 13 33-0026 SET Up To 50 SF, Stucco, Mold Abatement And Disposal.....	748.93	
02 87 13 33-0027 SF >50 To 500 SF, Stucco, Mold Abatement And Disposal.....	16.61	
02 87 13 33-0028 SF >500 To 2,500 SF, Stucco, Mold Abatement And Disposal.....	12.54	
02 87 13 33-0029 SF >2,500 To 10,000 SF, Stucco, Mold Abatement And Disposal.....	9.48	
02 87 13 33-0030 SF >10,000 SF, Stucco, Mold Abatement And Disposal.....	7.20	
<b>02 87 13 33-0031 Fireproofing, Mold Abatement And Disposal (02 87 13 33-0024)</b>		
Note: Exposed surface area, includes associated overspray.		
02 87 13 33-0032 SET Up To 50 SF, Fireproofing, Mold Abatement And Disposal.....	756.69	
02 87 13 33-0033 SF >50 To 500 SF, Fireproofing, Mold Abatement And Disposal.....	22.93	
02 87 13 33-0034 SF >500 To 2,500 SF, Fireproofing, Mold Abatement And Disposal.....	17.34	
02 87 13 33-0035 SF >2,500 To 10,000 SF, Fireproofing, Mold Abatement And Disposal.....	13.12	
02 87 13 33-0036 SF >10,000 SF, Fireproofing, Mold Abatement And Disposal.....	9.96	
<b>02 87 13 33-0037 Siding, Mold Abatement And Disposal (02 87 13 33)</b>		
<b>02 87 13 33-0038 Exterior Siding, Mold Abatement And Disposal (02 87 13 33-0037)</b>		
02 87 13 33-0039 SET Up To 100 SF, Exterior Siding Board, Mold Abatement And Disposal.....	764.46	
02 87 13 33-0040 SF >100 To 500 SF, Exterior Siding Board, Mold Abatement And Disposal.....	6.86	
02 87 13 33-0041 SF >500 To 2,500 SF, Exterior Siding Board, Mold Abatement And Disposal.....	4.78	
02 87 13 33-0042 SF >2,500 To 10,000 SF, Exterior Siding Board, Mold Abatement And Disposal.....	3.24	
02 87 13 33-0043 SF >10,000 SF, Exterior Siding Board, Mold Abatement And Disposal.....	2.93	
<b>02 87 13 33-0044 Contaminated Debris, Mold Abatement And Disposal (02 87 13 33)</b>		
<b>02 87 13 33-0045 Contaminated Debris, Mold Abatement And Disposal (02 87 13 33-0044)</b>		
02 87 13 33-0046 SET Up To 20 CF, Contaminated Debris, Mold Abatement And Disposal.....	770.67	
02 87 13 33-0047 CF >20 To 100 CF, Contaminated Debris, Mold Abatement And Disposal.....	27.22	
02 87 13 33-0048 CF >100 To 250 CF, Contaminated Debris, Mold Abatement And Disposal.....	18.77	
02 87 13 33-0049 CF >250 To 500 CF, Contaminated Debris, Mold Abatement And Disposal.....	14.54	
02 87 13 33-0050 CF >500 To 2,500 CF, Contaminated Debris, Mold Abatement And Disposal.....	12.01	
02 87 13 33-0051 CF >2,500 To 10,000 CF, Contaminated Debris, Mold Abatement And Disposal.....	7.40	
02 87 13 33-0052 CF >10,000 CF, Contaminated Debris, Mold Abatement And Disposal.....	6.84	
<b>02 87 13 33-0053 Other Mold Containing Materials, Mold Abatement And Disposal (02 87 13 33)</b>		
<b>02 87 13 33-0054 Caulking, Mold Abatement And Disposal (02 87 13 33-0053)</b>		
02 87 13 33-0055 SET Up To 20 LF, Caulking, Mold Abatement And Disposal.....	183.86	
02 87 13 33-0056 LF >20 To 50 LF, Caulking, Mold Abatement And Disposal.....	3.69	
02 87 13 33-0057 LF >50 To 100 LF, Caulking, Mold Abatement And Disposal.....	2.65	
02 87 13 33-0058 LF >100 To 250 LF, Caulking, Mold Abatement And Disposal.....	2.01	
02 87 13 33-0059 LF >250 To 1,000 LF, Caulking, Mold Abatement And Disposal.....	1.50	
02 87 13 33-0060 LF >1,000 To 2,500 LF, Caulking, Mold Abatement And Disposal.....	1.21	
02 87 13 33-0061 LF >2,500 LF, Caulking, Mold Abatement And Disposal.....	1.05	
<b>02 87 13 33-0062 Wipe Down Walls, Ceilings And Floors (02 87 13 33-0053)</b>		



<b>Existing Conditions</b>	<b>02</b>	<b>02</b>
<b>Facility Remediation</b>	<b>02 80</b>	
<b>Bio-Hazard Material Remediation</b>	<b>02 87</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 87 13 33-0063 CSF Wipe Down Floors With Mild Bleach Solution .....	20.39	
<i>For &gt;25 To 50, Deduct</i>	-2.04	
<i>For &gt;50 To 200, Deduct</i>	-5.09	
<i>For &gt;200, Deduct</i>	-8.15	
02 87 13 33-0064 CSF Wipe Down Walls With Mild Bleach Solution .....	23.99	
<i>For &gt;25 To 50, Deduct</i>	-2.40	
<i>For &gt;50 To 200, Deduct</i>	-5.99	
<i>For &gt;200, Deduct</i>	-9.59	
02 87 13 33-0065 CSF Wipe Down Ceilings With Mild Bleach Solution .....	27.29	
<i>For &gt;25 To 50, Deduct</i>	-2.73	
<i>For &gt;50 To 200, Deduct</i>	-6.82	
<i>For &gt;200, Deduct</i>	-10.91	
02 87 13 33-0066 CSF Wipe Down Countertops With Mild Bleach Solution .....	22.24	
<i>For &gt;25 To 50, Deduct</i>	-2.22	
02 87 13 33-0067 CSF Wipe Down Other Surfaces With Mild Bleach Solution .....	28.22	
<i>For &gt;25 To 50, Deduct</i>	-2.82	
<i>For &gt;50 To 200, Deduct</i>	-7.05	
<i>For &gt;200, Deduct</i>	-11.28	

**02 87 16 Excrement Removal (02 87)**

Note: Includes materials, equipment, mobilization, preparation, critical barriers (e.g. electrical outlets, registers, windows, etc.), signage, removal, clean-up, vacuuming, disposal, personnel health monitoring, documentation and other associated costs necessary for the complete removal and disposal of the contaminated material in accordance with EPA and local regulations. The quantity of the entire project, not a particular work area, is to be used in determining which tasks apply. There is a task with a unit of measure of EA for a quantity of less than 10 SF, followed by a series of tasks for additional quantities. For those tasks, the contractor will be paid the first task with a unit of measure of EA, plus each additional task in sequence to arrive at the total quantity for the entire project, not a particular work area.

**02 87 16 13 Bird Excrement Removal (02 87 16)**

**02 87 16 13-0001 Bird Waste Removal (02 87 16 13)**

Note: In addition to items listed the Bio-Hazard Material Remediation note above, includes wetting agents and disinfection of contaminated surfaces.

02 87 16 13-0002 EA Up To 10 SF Bird Waste Removal, Up To 3" Thickness .....	733.39	
<i>For Work In Restricted Working Space, Add</i>	220.02	
02 87 16 13-0003 SF >10 To 500 SF Bird Waste Removal, Up To 3" Thickness .....	12.23	
<i>For Work In Restricted Working Space, Add</i>	3.67	
02 87 16 13-0004 SF >500 To 2,500 SF Bird Waste Removal, Up To 3" Thickness .....	11.11	
<i>For Work In Restricted Working Space, Add</i>	3.33	
02 87 16 13-0005 SF >2,500 To 10,000 SF Bird Waste Removal, Up To 3" Thickness .....	11.10	
<i>For Work In Restricted Working Space, Add</i>	3.03	
02 87 16 13-0006 SF >10,000 SF Bird Waste Removal, Up To 3" Thickness .....	9.18	
<i>For Work In Restricted Working Space, Add</i>	2.75	

**02 89 Hazmat Ancillary Tasks and Support (02 89)**

**02 89 00 00-0001 Barriers And Protection (02 89)**

Note: Includes removal and disposal after use.

**02 89 00 00-0002 Hazmat Containment Construction Plastic Sheeting (02 89 00 00-0001)**

02 89 00 00-0003 SF 6 Mil Plastic Sheeting, Applied To Floors, Hazmat Containment Construction .....	0.45	
02 89 00 00-0004 SF 6 Mil Plastic Sheeting, Applied To Walls, Hazmat Containment Construction .....	0.59	
02 89 00 00-0005 SF 6 Mil Plastic Sheeting, Applied To Ceilings, Hazmat Containment Construction .....	0.79	
02 89 00 00-0006 SF 6 Mil Plastic Fire Retardant, Anti-static Sheeting, Applied To Floors, Hazmat Containment Construction .....	0.68	
02 89 00 00-0007 SF 6 Mil Plastic Fire Retardant, Anti-static Retardant Sheeting, Applied To Walls, Hazmat Containment Construction .....	0.86	
02 89 00 00-0008 SF 6 Mil Plastic Fire Retardant, Anti-static Retardant Sheeting, Applied To Ceilings, Hazmat Containment Construction .....	1.12	

**02 89 00 00-0009 Decontamination Chambers (02 89)**

Note: Includes removal after use.

02 89 00 00-0010 EA 3 Stage Portable Personnel Decontamination Wash Facility .....	997.50	
<i>Note: Includes connection to negative air system.</i>		
02 89 00 00-0011 EA 5 Stage Portable Personnel Decontamination Wash Facility .....	1,175.50	
<i>Note: Includes connection to negative air system.</i>		
02 89 00 00-0012 EA Portable Waste Decontamination Unit .....	607.48	
<i>Note: Includes connection to negative air system.</i>		
<i>For Dismantling And Relocation To A Different Area, Add</i>	385.21	

**END OF SECTION 02**

<b>02</b>	<b>02</b>	<b>Existing Conditions</b>
	<b>02 80</b>	<b>Facility Remediation</b>
	<b>02 89</b>	<b>Hazmat Ancillary Tasks and Support</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>Concrete</b>	<b>03</b>	<b>03</b>	
<b>Maintenance of Concrete</b>			<b>03 01</b>
<b>Maintenance of Cast-In-Place Concrete</b>			<b>03 01 30</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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### 03 Concrete

#### 03 01 Maintenance of Concrete <sup>(03)</sup>

#### 03 01 30 Maintenance of Cast-In-Place Concrete <sup>(03 01)</sup>

#### 03 01 30 51 Cleaning of Cast-In-Place Concrete <sup>(03 01 30)</sup>

03 01 30 51-0001	Abrasive Blasting <sup>(03 01 30 51)</sup>	
	Note: Includes containment and clean-up of all material. Includes steel ball media.	
03 01 30 51-0002	SF Concrete Floors, Abrasive Shot (Bead) Blasting.....	3.72
	For Up To 100, Add	3.06
	For >100 To 250, Add	0.77
	For >250 To 500, Add	0.38
	For >5,000 To 10,000, Deduct	-0.08
	For >10,000, Deduct	-0.15
03 01 30 51-0003	SF Concrete Walls, Abrasive Shot (Bead) Blasting.....	5.24
	For Up To 100, Add	6.10
	For >100 To 250, Add	1.53
	For >250 To 500, Add	0.76
	For >5,000 To 10,000, Deduct	-0.15
	For >10,000, Deduct	-0.31

#### 03 01 30 71 Rehabilitation of Cast-In-Place Concrete <sup>(03 01 30)</sup>

03 01 30 71-0001	Concrete Resurfacing/Repair <sup>(03 01 30 71)</sup>	
	See CSI section 09 01 90 52-0002 for surface preparation as required.	
03 01 30 71-0002	Concrete Repair <sup>(03 01 30 71-0001)</sup>	
03 01 30 71-0003	Decks Or Floors <sup>(03 01 30 71-0002)</sup>	
	Note: Includes bonding agent and sealant. Excludes saw cutting, sand blasting and forming.	
03 01 30 71-0004	SF Patch Decks Or Floors With 1/8" To 1/4" Thick Cementitious Mortar .....	6.83
03 01 30 71-0005	SF Patch Decks Or Floors With 1/8" To 1/4" Thick Epoxy Cementitious Mortar .....	22.84
03 01 30 71-0006	SF Patch Decks Or Floors With White Aluminum Oxide Grit (Non-Slip Aggregate).....	0.62
03 01 30 71-0007	Concrete Grinding <sup>(03 01 30 71-0002)</sup>	
03 01 30 71-0008	SF Grinding Cured, Warped, Or Rough Concrete Slabs .....	1.07
	Note: Up to 1/8" of material per pass	
03 01 30 71-0009	Verticals Or Overheads <sup>(03 01 30 71-0002)</sup>	
	Note: Includes bonding agent and sealant. Excludes saw cutting, sand blasting and forming.	
03 01 30 71-0010	SF Patch Verticals Or Overheads With 1/8" To 1/4" Thick Cementitious Mortar .....	10.14
03 01 30 71-0011	SF Patch Verticals Or Overheads With 1/8" To 1/4" Thick Epoxy Cementitious Mortar .....	30.43
03 01 30 71-0012	SF Patch Verticals Or Overheads With 1/8" To 1/4" Thick Latex Cementitious Mortar .....	34.48
03 01 30 71-0013	SF Patch Verticals Or Overheads With 1/8" To 1/4" Thick Elastomeric Compound .....	8.88
03 01 30 71-0014	SF Patch Verticals Or Overheads With 1/8" To 1/4" Thick Copolymer Cementitious Compound .....	15.74
	Note: Rapid Set - WunderFixx	
03 01 30 71-0015	Circular Piers <sup>(03 01 30 71-0002)</sup>	
03 01 30 71-0016	SF Patch Circular Piers With 1/8" To 1/4" Elastomeric Patching Compound .....	12.29
03 01 30 71-0017	SF Patch Circular Piers With 1/8" To 1/4" Copolymer Cementitious Compound.....	21.20
	Note: Rapid Set - WunderFixx	
03 01 30 71-0018	Bridge Deck Treatment <sup>(03 01 30 71-0002)</sup>	
03 01 30 71-0019	SF Sweep Bridge Deck .....	0.02
03 01 30 71-0020	SF Clean Bridge Deck.....	0.03
03 01 30 71-0021	SF Treat Bridge Deck With Methacrylate Resin Sealant.....	2.22
03 01 30 71-0022	Concrete Finishes <sup>(03 01 30 71-0001)</sup>	
03 01 30 71-0023	Concrete Patching <sup>(03 01 30 71-0022)</sup>	
03 01 30 71-0024	Walls <sup>(03 01 30 71-0023)</sup>	
03 01 30 71-0025	BAG Sika Top 111 Plus.....	172.40
	Note: SikaTop 111 PLUS is a two-component, polymer-modified, portland-cement, fast-setting, screed mortar.	
	Yield: Approximately 0.5 cu. ft./unit. Approximately 0.75 cu. ft./unit (SikaTop 111 + 42 lbs. of 3/8" pea gravel).	
	For Up To 10, Add	63.45
	For >10 To 25, Add	38.07
	For >25 To 50, Add	25.38
	For >50 To 75, Add	12.69

**03 Concrete****03 01 Maintenance of Concrete****03 01 30 Maintenance of Cast-In-Place Concrete**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 01 30 71-0026 BAG Sika Grout 212, 50 LB Bag.....	118.27	
Note: SikaGrout 212 is a non-shrink, cementitious grout with a unique 2-stage shrinkage compensating mechanism. It is non-metallic and contains no chloride. Coverage: Approximately 0.44 cu. ft./bag at high flow.		
For Up To 10, Add	40.17	
For >10 To 25, Add	24.10	
For >25 To 50, Add	16.07	
For >50 To 75, Add	8.03	
03 01 30 71-0027 EA Sika Flex 1A, 10.3 Ounce Tube.....	39.74	
Note: Sikaflex-1a is a premium-grade, high-performance, moisture-cured, 1-component, polyurethane-based, non-sag elastomeric sealant. Coverage: 10.3 fl. oz. cartridge seals 12.4 lineal ft. of 1/2 x 1/4 in. joint. 20 fl. oz. uni-pac sausage seals 24 lineal ft. of 1/2 x 1/4 in. joint.		
03 01 30 71-0028 BAG Pea Gravel.....	30.25	
<b>03 01 30 71-0029 Crack Repair For Concrete (03 01 30 71-0001)</b>		
<b>03 01 30 71-0030 Non-Structural Crack Repair For Concrete (03 01 30 71-0029)</b>		
<b>03 01 30 71-0031 Surface Applied, Non-Structural Crack Repair For Concrete (03 01 30 71-0030)</b>		
Note: Includes removing all debris and contaminants accessible within the crack using hand tools, water blasting, compressed air or vacuuming. Includes installing sealer with caulk gun, cartridge gun, squeeze bottle, etc. Excludes backer rod and sanding.		
03 01 30 71-0032 LF Up To 1/4" Wide, Latex Emulsion, Gravity Fed Non-Structural Crack Repair For Concrete, Surface Applied With Squeeze Tube (Quikrete® Concrete Crack Seal).....	6.00	
For V-Grooving Crack With Grinder, Add	4.78	
03 01 30 71-0033 LF >1/4" To 1/2" Wide, Latex Emulsion, Gravity Fed Non-Structural Crack Repair For Concrete, Surface Applied With Squeeze Tube (Quikrete® Concrete Crack Seal).....	7.87	
For V-Grooving Crack With Grinder, Add	4.66	
03 01 30 71-0034 LF Up To 1/4" Wide, Sanded Acrylic Latex, Gravity Fed Non-Structural Crack Repair For Concrete, Surface Applied With Caulk Gun (Quikrete® Concrete Repair).....	6.14	
For V-Grooving Crack With Grinder, Add	4.78	
03 01 30 71-0035 LF >1/4" To 1/2" Wide, Sanded Acrylic Latex, Gravity Fed Non-Structural Crack Repair For Concrete, Surface Applied With Caulk Gun (Quikrete® Concrete Repair).....	8.14	
For V-Grooving Crack With Grinder, Add	4.66	
03 01 30 71-0036 LF Up To 1/4" Wide, Self Leveling Polyurethane Sealant, Gravity Fed Non-Structural Crack Repair For Concrete, Surface Applied With Cartridge Tool (Sikaflex® Self-Leveling Sealant).....	6.64	
For V-Grooving Crack With Grinder, Add	4.78	
03 01 30 71-0037 LF >1/4" To 1/2" Wide, Self Leveling Polyurethane Sealant, Gravity Fed Non-Structural Crack Repair For Concrete, Surface Applied With Cartridge Tool (Sikaflex® Self-Leveling Sealant).....	9.15	
For V-Grooving Crack With Grinder, Add	4.66	
03 01 30 71-0038 LF Up To 1/4" Wide, Non-Sag Elastomeric Polyurethane Sealant, Gravity Fed Non Structural Crack Repair For Concrete, Surface Applied With Cartridge Tool (Sikaflex® Concrete Fix).....	7.01	
For V-Grooving Crack With Grinder, Add	4.78	
03 01 30 71-0039 LF >1/4" To 1/2" Wide, Non-Sag Elastomeric Polyurethane Sealant, Gravity Fed Non Structural Crack Repair For Concrete, Surface Applied With Cartridge Tool (Sikaflex® Concrete Fix).....	9.88	
For V-Grooving Crack With Grinder, Add	4.66	
<b>03 01 30 71-0040 Pressure Injected, Non-Structural Crack Repair For Concrete (03 01 30 71-0030)</b>		
Note: Includes removing all debris and contaminants accessible within the crack using hand tools, water blasting, compressed air or vacuuming. Includes installing injection ports, sealing the crack opening (one side only), injecting the crack with polyurethane and restoring the sealed surface to flush conditions. Excludes disposal.		
03 01 30 71-0041 LF Up To 1/4" Wide, Water Activated Polyurethane Foam Grout, Non-Structural Crack Repair For Concrete, Installed With Automated Injection Equipment (SealBoss 1570).....	28.51	
For Cracks Accessible From Both Sides, Add	5.81	
<b>03 01 30 71-0042 Structural Crack Repair For Concrete (03 01 30 71-0029)</b>		
<b>03 01 30 71-0043 Surface Applied, Structural Crack Repair For Concrete (03 01 30 71-0042)</b>		
Note: Includes removing all debris and contaminants accessible within the crack using hand tools, water blasting, compressed air or vacuuming. Excludes disposal.		
03 01 30 71-0044 LF Up To 1/4" Wide, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Concrete, Surface Applied With Trowel (Sikadur® 35).....	7.10	
For V-Grooving Crack With Grinder, Add	4.78	
03 01 30 71-0045 LF >1/4" To 1/2" Wide, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Concrete, Surface Applied With Trowel (Sikadur® 35).....	10.07	
For V-Grooving Crack With Grinder, Add	4.66	
03 01 30 71-0046 LF Up To 1/4" Wide, Moisture Tolerant, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Concrete, Surface Applied Trowel (Sikadur® 52).....	6.91	
For V-Grooving Crack With Grinder, Add	4.78	
03 01 30 71-0047 LF >1/4" To 1/2" Wide, Moisture Tolerant, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Concrete, Surface Applied With Trowel (Sikadur® 52).....	9.68	
For V-Grooving Crack With Grinder, Add	4.66	
03 01 30 71-0048 LF Up To 1/4" Wide, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Concrete, Surface Applied With Caulk Gun (Sikadur® Crack Fix).....	8.54	
For V-Grooving Crack With Grinder, Add	4.78	
03 01 30 71-0049 LF >1/4" To 1/2" Wide, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Concrete, Surface Applied With Caulk Gun (Sikadur® Crack Fix).....	12.96	
For V-Grooving Crack With Grinder, Add	4.66	
<b>03 01 30 71-0050 Pressure Injected, Structural Crack Repair For Concrete (03 01 30 71-0042)</b>		
Note: Includes removing all debris and contaminants accessible within the crack using hand tools, water blasting, compressed air or vacuuming. Includes installing injection ports, sealing the crack opening (one side only), injecting the crack with epoxy and restoring the sealed surface to flush conditions. Excludes disposal.		



<b>Concrete</b>	<b>03</b>	<b>03</b>
<b>Maintenance of Concrete</b>	<b>03 01</b>	
<b>Maintenance of Cast-In-Place Concrete</b>	<b>03 01 30</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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03 01 30 71-0051	LF	Up To 1/4" Wide, Low Viscosity, High Strength Epoxy Resin, Structural Crack Repair For Concrete, Installed With Automated Injection Equipment (Sikadur® 35).....	24.57
		<i>For Cracks Accessible From Both Sides, Add</i>	5.81
03 01 30 71-0052	LF	Up To 1/4" Wide, Moisture Tolerant, Low Viscosity, High Strength Epoxy Resin, Structural Crack Repair For Concrete, Installed With Automated Injection Equipment (Sikadur® 52).....	24.38
		<i>For Cracks Accessible From Both Sides, Add</i>	5.81

**03 01 30 71-0053**

**Carbon Fiber Strengthening System** (03 01 30 71-0001)  
 Note: Includes preparing surface, dust and debris removal by hand, clean and protect adjacent area, fill voids, primer, fabric substrate layers, final coat of epoxy and finish. Excludes disposal.

03 01 30 71-0054	SF	Carbon Fiber Strengthening System For Concrete Beams, Per Layer .....	83.21
		Note: Includes carbon fabric epoxy saturant, primer, filler for voids, anchors, finish.	
03 01 30 71-0055	SF	Carbon Fiber Strengthening System For Concrete Columns, Per Layer .....	73.85
		Note: Includes carbon fabric epoxy saturant, primer, filler for voids, anchors, finish.	
03 01 30 71-0056	SF	Carbon Fiber Strengthening System For Concrete Ceiling Slabs, Per Layer .....	68.60
		Note: Includes carbon fabric epoxy saturant, primer, filler for voids, anchors, finish.	
03 01 30 71-0057	SF	Carbon Fiber Strengthening System For Concrete Walls, Per Layer.....	65.67
		Note: Includes carbon fabric epoxy saturant, primer, filler for voids, anchors, finish.	
03 01 30 71-0058	SF	Carbon Fiber Strengthening System For Concrete Slab, Per Layer .....	61.59
		Note: Includes carbon fabric epoxy saturant, primer, filler for voids, anchors, finish.	

**03 01 30 72 Strengthening Of Cast-in-Place Concrete** (03 01 30)

03 01 30 72-0001		Concrete Surface Repairs <small>(03 01 30 72)</small>	
03 01 30 72-0002	SF	Sound The Concrete Surface To Locate Delaminated Areas .....	0.37

**03 05 Common Work Results For Concrete** (03)

**03 05 13 Concrete Admixtures** (03 05)

03 05 13 00-0001		Concrete Admixtures <small>(03 05 13)</small>	
03 05 13 00-0002	CY	Low Range Water Reducing (LRWR), Type A Concrete Admixture .....	8.60
03 05 13 00-0003	CY	Set Retarding, Type B Concrete Admixture .....	5.95
03 05 13 00-0004	CY	1% Calcium Chloride Accelerating, Type C Concrete Admixture.....	9.26
03 05 13 00-0005	CY	2% Calcium Chloride Accelerating, Type C Concrete Admixture.....	18.52
03 05 13 00-0006	CY	1% Non-Chloride Accelerating, Type C Concrete Admixture.....	16.53
03 05 13 00-0007	CY	2% Non-Chloride Accelerating, Type C Concrete Admixture.....	33.07
03 05 13 00-0008	CY	1% Water Reducing and Retarding (Hydration Stabilizer), Type D Concrete Admixture .....	7.14
03 05 13 00-0009	CY	2% Water Reducing and Retarding (Hydration Stabilizer), Type D Concrete Admixture .....	13.93
03 05 13 00-0010	CY	1% Water Reducing and Accelerating (High Early Strength), Type E Concrete Admixture .....	9.92
03 05 13 00-0011	CY	2% Water Reducing and Accelerating (High Early Strength), Type E Concrete Admixture .....	19.84
03 05 13 00-0012	CY	Mid Range Water Reducing (MRWR) Superplasticizer, Type A Or E Concrete Admixture .....	6.61
03 05 13 00-0013	CY	High Range Water Reducing (HRWR) Superplasticizer, Type F Concrete Admixture.....	15.87
03 05 13 00-0014	CY	1 LB/CY Polyethylene, Polypropylene, Nylon, Synthetic Plastic Fibers, Concrete Admixture .....	14.11
03 05 13 00-0015	CY	1-1/2 LB/CY Polyethylene, Polypropylene, Nylon, Synthetic Plastic Fibers, Concrete Admixture .....	21.16
03 05 13 00-0016	CY	25 LB/CY Steel Fibers, Concrete Admixture.....	42.43
03 05 13 00-0017	CY	10% Microsilica (Silica Fume), Concrete Admixture .....	105.82
03 05 13 00-0018	CY	Corrosion Inhibiting Concrete Admixture .....	39.68
03 05 13 00-0019	CY	Winter Service Or Heat, Concrete Add.....	21.16
03 05 13 00-0020	CY	Chilled Water, Concrete Add .....	21.16
03 05 13 00-0021	CY	Subtle Color (See Davis Colors Color Card), Concrete Admixture .....	37.77
03 05 13 00-0022	CY	Standard Color (See Davis Colors Color Card), Concrete Admixture.....	62.95
03 05 13 00-0023	CY	Premium Color (See Davis Colors Color Card), Concrete Admixture .....	120.86
03 05 13 00-0024	CY	Ultra Premium Color (See Davis Colors Color Card), Concrete Admixture .....	167.86

**03 10 Concrete Forming and Accessories** (03)

**03 11 Concrete Forming** (03 10)

**03 11 13 Structural Cast-In-Place Concrete Forming** (03 11)

Note: Per square foot of formwork.

03 11 13 00-0001		Wood Formwork <small>(03 11 13)</small> Note: For job built wood and/or plywood form systems where metal framed formwork cannot be used. Includes erecting, stripping, stacking, plywood, framing lumber, oiling, studs/walers, strongbacks, deadmen, supporting braces, turnbuckles, ties, and clips.	
03 11 13 00-0002		Foundation Wood Formwork <small>(03 11 13 00-0001)</small> Note: For foundation work below or at grade.	
03 11 13 00-0003	SF	Continuous Footings Foundation Wood Formwork.....	8.33
		<i>For &lt;1,000, Add</i>	1.55
		<i>For Foundations &gt;8' Below Grade, Add</i>	1.49
		<i>For Curved Formwork, Add</i>	2.98
03 11 13 00-0004	SF	Pile Cap, Pier Or Spread Footings Foundation Wood Formwork.....	9.90
		<i>For &lt;1,000, Add</i>	1.86
		<i>For Foundations &gt;8' Below Grade, Add</i>	1.80
		<i>For Curved Formwork, Add</i>	3.59

**03 Concrete****03 10 Concrete Forming and Accessories****03 11 Concrete Forming**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 11 13 00-0005 SF Mat Foundation Wood Formwork.....	11.36	
For <1,000, Add	2.17	
For Foundations >8' Below Grade, Add	2.11	
For Curved Formwork, Add	4.23	
03 11 13 00-0006 SF Grade Beams Or Duct Bank Foundation Wood Formwork .....	9.48	
For <1,000, Add	1.79	
For Foundations >8' Below Grade, Add	1.74	
For Curved Formwork, Add	3.48	
03 11 13 00-0007 SF Below Grade Walls Foundation Wood Formwork .....	13.49	
Note: Excludes footing		
For <1,000, Add	2.54	
For Foundations >8' Below Grade, Add	2.46	
For Curved Formwork, Add	4.92	
<b>03 11 13 00-0008 Slab Edge And Block-Out Wood Formwork</b> (03 11 13 00-0001)		
03 11 13 00-0009 LF Up To 6" High Slab Edge and Block-Out Wood Formwork .....	6.41	
For Foundations >8' Below Grade, Add	1.19	
For Curved Formwork, Add	2.38	
For Up To 250, Add	1.22	
03 11 13 00-0010 LF >6" To 12" High Slab Edge and Block-Out Wood Formwork .....	9.20	
For Foundations >8' Below Grade, Add	1.66	
For Curved Formwork, Add	3.31	
For Up To 250, Add	1.72	
03 11 13 00-0011 SF >12" High Slab Edge and Block-Out Wood Formwork.....	11.73	
For Foundations >8' Below Grade, Add	2.14	
For Curved Formwork, Add	4.28	
For <1,000, Add	2.21	
<b>03 11 13 00-0012 Column Wood Formwork</b> (03 11 13 00-0001)		
03 11 13 00-0013 LF Up To 8" Square Column Wood Formwork.....	49.67	
03 11 13 00-0014 LF >8" To 12" Square Column Wood Formwork.....	72.14	
03 11 13 00-0015 LF >12" To 18" Square Column Wood Formwork.....	90.47	
03 11 13 00-0016 LF >18" To 24" Square Column Wood Formwork.....	129.52	
03 11 13 00-0017 LF >24" To 36" Square Column Wood Formwork.....	185.73	
03 11 13 00-0018 LF >36" To 48" Square Column Wood Formwork.....	245.13	
<b>03 11 13 00-0019 Above Grade Wall Wood Formwork</b> (03 11 13 00-0001)		
03 11 13 00-0020 SF Up To 8' High Above Grade Wall Wood Formwork.....	15.07	
For Curved Formwork, Add	5.55	
For <1,000, Add	2.86	
03 11 13 00-0021 SF >8' High Above Grade Wall Wood Formwork .....	17.86	
For Curved Formwork, Add	6.59	
For <1,000, Add	3.39	
<b>03 11 13 00-0022 Elevated Beam Wood Formwork</b> (03 11 13 00-0001)		
Note: Includes adjustable shores and column supports and bracing lumber up to 14' for bottom of elevated beam.		
03 11 13 00-0023 SF Bottom of Elevated Beam Wood Formwork.....	19.80	
For Curved Formwork, Add	7.25	
For <1,000, Add	3.74	
03 11 13 00-0024 SF Vertical Sides of Elevated Beam Wood Formwork .....	12.48	
For Curved Formwork, Add	4.62	
For <1,000, Add	2.37	
<b>03 11 13 00-0025 Elevated Slab Wood Formwork</b> (03 11 13 00-0001)		
Note: Includes adjustable shores and column supports and bracing lumber up to 14' for bottom of elevated slab.		
03 11 13 00-0026 SF Elevated Slab Wood Formwork .....	11.75	
For <1,000, Add	2.15	
<b>03 11 13 00-0027 Metal Framed Formwork</b> (03 11 13)		
Note: For all metal framed and metal form systems. Includes erecting, stripping, stacking, oiling, studs/walers, strongbacks, deadmen, supporting braces, tumbuckles, ties, and clips.		
<b>03 11 13 00-0028 Foundation Metal Framed Formwork</b> (03 11 13 00-0027)		
Note: For foundation work below or at grade.		
03 11 13 00-0029 SF Continuous Footings Foundation Metal Framed Formwork .....	7.61	
For <1,000, Add	1.40	
For Foundations >8' Below Grade, Add	1.34	
For Curved Formwork, Add	2.68	
03 11 13 00-0030 SF Pile Cap, Pier Or Spread Footings Foundation Metal Framed Formwork .....	8.44	
For <1,000, Add	1.57	
For Foundations >8' Below Grade, Add	1.50	
For Curved Formwork, Add	3.01	
03 11 13 00-0031 SF Mat Foundation Metal Framed Formwork .....	9.44	
For <1,000, Add	1.73	
For Foundations >8' Below Grade, Add	1.66	
For Curved Formwork, Add	3.31	





<b>Concrete</b>	<b>03</b>	<b>03</b>
<b>Concrete Forming and Accessories</b>	<b>03 10</b>	
<b>Concrete Forming</b>	<b>03 11</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 11 13 00-0032 SF Grade Beams Or Duct Bank Foundation Metal Framed Formwork ..... 7.97 <i>For &lt;1,000, Add</i> 1.46 <i>For Foundations &gt;8' Below Grade, Add</i> 1.39 <i>For Curved Formwork, Add</i> 2.79		
03 11 13 00-0033 SF Below Grade Walls Foundation Metal Framed Formwork ..... 12.16 <i>Note: Excludes footing.</i> <i>For &lt;1,000, Add</i> 2.27 <i>For Foundations &gt;8' Below Grade, Add</i> 2.18 <i>For Curved Formwork, Add</i> 4.37		
<b>03 11 13 00-0034 Slab Edge And Block-Out Metal Framed Formwork (03 11 13 00-0027)</b>		
03 11 13 00-0035 LF Up To 6" High Slab Edge and Block-Out Metal Framed Formwork ..... 5.45 <i>For Foundations &gt;8' Below Grade, Add</i> 1.06 <i>For Curved Formwork, Add</i> 2.13 <i>For &lt;250, Add</i> 1.07		
03 11 13 00-0036 LF >6" To 12" High Slab Edge and Block-Out Metal Framed Formwork ..... 6.82 <i>For Foundations &gt;8' Below Grade, Add</i> 1.32 <i>For Curved Formwork, Add</i> 2.64 <i>For &lt;250, Add</i> 1.34		
03 11 13 00-0037 SF >12" High Slab Edge and Block-Out Metal Framed Formwork ..... 7.55 <i>For Foundations &gt;8' Below Grade, Add</i> 1.46 <i>For Curved Formwork, Add</i> 2.92 <i>For &lt;1,000, Add</i> 1.48		
<b>03 11 13 00-0038 Column Metal Framed Formwork (03 11 13 00-0027)</b>		
<b>03 11 13 00-0039 Square Columns (03 11 13 00-0038)</b>		
03 11 13 00-0040 LF Up To 12" Square Column Metal Framed Formwork ..... 46.44		
03 11 13 00-0041 LF >12" To 16" Square Column Metal Framed Formwork ..... 56.11		
03 11 13 00-0042 LF >16" To 20" Square Column Metal Framed Formwork ..... 65.81		
03 11 13 00-0043 LF >20" To 24" Square Column Metal Framed Formwork ..... 78.65		
03 11 13 00-0044 LF >24" To 30" Square Column Metal Framed Formwork ..... 94.74		
03 11 13 00-0045 LF >30" To 36" Square Column Metal Framed Formwork ..... 113.74		
03 11 13 00-0046 LF >36" To 48" Square Column Metal Framed Formwork ..... 145.94		
03 11 13 00-0047 LF >48" To 60" Square Column Metal Framed Formwork ..... 179.99		
<b>03 11 13 00-0048 Round Columns (03 11 13 00-0038)</b>		
03 11 13 00-0049 LF Up To 12" Diameter Column Metal Formwork ..... 45.36		
03 11 13 00-0050 LF >12" To 16" Diameter Column Metal Formwork ..... 50.47		
03 11 13 00-0051 LF >16" To 20" Diameter Column Metal Formwork ..... 57.97		
03 11 13 00-0052 LF >20" To 24" Diameter Column Metal Formwork ..... 67.62		
03 11 13 00-0053 LF >24" To 30" Diameter Column Metal Formwork ..... 79.87		
03 11 13 00-0054 LF >30" To 36" Diameter Column Metal Formwork ..... 91.49		
03 11 13 00-0055 LF >36" To 48" Diameter Column Metal Formwork ..... 118.49		
03 11 13 00-0056 LF >48" To 60" Diameter Column Metal Formwork ..... 154.36		
<b>03 11 13 00-0057 Above Grade Wall Metal Framed Formwork (03 11 13 00-0027)</b>		
03 11 13 00-0058 SF Up to 8' High Above Grade Wall Metal Framed Formwork ..... 7.46 <i>For Curved Formwork, Add</i> 2.49 <i>For &lt;1,000, Add</i> 1.33		
03 11 13 00-0059 SF >8' High Above Grade Wall Metal Framed Formwork ..... 9.09 <i>For Curved Formwork, Add</i> 2.99 <i>For &lt;1,000, Add</i> 1.60		
<b>03 11 13 00-0060 Elevated Beam Metal Framed Formwork (03 11 13 00-0027)</b>		
<i>Note: Includes adjustable shores and column supports and bracing lumber up to 14' for bottom of elevated beam.</i>		
03 11 13 00-0061 SF Bottom of Elevated Beam Metal Framed Formwork ..... 7.54 <i>For Curved Formwork, Add</i> 2.34 <i>For &lt;1,000, Add</i> 1.28		
03 11 13 00-0062 SF Vertical Sides of Elevated Beam Metal Framed Formwork ..... 5.56 <i>For Curved Formwork, Add</i> 1.82 <i>For &lt;1,000, Add</i> 0.98		
<b>03 11 13 00-0063 Elevated Slab Metal Framed Formwork (03 11 13 00-0027)</b>		
<i>Note: Includes adjustable shores and column supports and bracing lumber up to 14' for bottom of elevated slab.</i>		
03 11 13 00-0064 SF Elevated Slab Metal Framed Formwork ..... 10.49 <i>For &lt;1,000, Add</i> 1.58		
<b>03 11 13 00-0065 Fiber Tube Formwork (03 11 13)</b>		
<i>Note: Includes all supporting braces, erecting, aligning, stripping, turnbuckles, ties and clips.</i>		
<b>03 11 13 00-0066 Round Column Fiber Tube Formwork (03 11 13 00-0065)</b>		
03 11 13 00-0067 LF 6" Diameter Round Fiber Tube Formwork ..... 19.41 <i>For Plastic Lined, Add</i> 0.77 <i>For Columns &gt;12' In Length, Add</i> 1.94		

<b>03</b>	<b>Concrete</b>
<b>03 10</b>	<b>Concrete Forming and Accessories</b>
<b>03 11</b>	<b>Concrete Forming</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 11 13 00-0068 LF 8" Diameter Round Fiber Tube Formwork .....	20.52	
For Plastic Lined, Add	0.91	
For Columns >12' In Length, Add	2.05	
03 11 13 00-0069 LF 10" Diameter Round Fiber Tube Formwork .....	22.81	
For Plastic Lined, Add	1.09	
For Columns >12' In Length, Add	2.28	
03 11 13 00-0070 LF 12" Diameter Round Fiber Tube Formwork .....	28.27	
For Plastic Lined, Add	1.94	
For Columns >12' In Length, Add	2.83	
03 11 13 00-0071 LF 14" Diameter Round Fiber Tube Formwork .....	31.78	
For Plastic Lined, Add	2.45	
For Columns >12' In Length, Add	3.18	
03 11 13 00-0072 LF 16" Diameter Round Fiber Tube Formwork .....	34.65	
For Plastic Lined, Add	3.06	
For Columns >12' In Length, Add	3.47	
03 11 13 00-0073 LF 18" Diameter Round Fiber Tube Formwork .....	37.32	
For Plastic Lined, Add	3.58	
For Columns >12' In Length, Add	3.73	
03 11 13 00-0074 LF 20" Diameter Round Fiber Tube Formwork .....	42.56	
For Plastic Lined, Add	4.86	
For Columns >12' In Length, Add	4.26	
03 11 13 00-0075 LF 22" Diameter Round Fiber Tube Formwork .....	44.53	
For Plastic Lined, Add	5.06	
For Columns >12' In Length, Add	4.45	
03 11 13 00-0076 LF 24" Diameter Round Fiber Tube Formwork .....	46.78	
For Plastic Lined, Add	5.34	
For Columns >12' In Length, Add	4.68	
03 11 13 00-0077 LF 26" Diameter Round Fiber Tube Formwork .....	48.71	
For Plastic Lined, Add	5.76	
For Columns >12' In Length, Add	4.87	
03 11 13 00-0078 LF 28" Diameter Round Fiber Tube Formwork .....	50.64	
For Plastic Lined, Add	6.18	
For Columns >12' In Length, Add	5.06	
03 11 13 00-0079 LF 30" Diameter Round Fiber Tube Formwork .....	52.57	
For Plastic Lined, Add	6.61	
For Columns >12' In Length, Add	5.26	
03 11 13 00-0080 LF 36" Diameter Round Fiber Tube Formwork .....	60.79	
For Plastic Lined, Add	8.50	
For Columns >12' In Length, Add	6.08	
03 11 13 00-0081 LF 42" Diameter Round Fiber Tube Formwork .....	95.94	
For Plastic Lined, Add	18.63	
For Columns >12' In Length, Add	9.59	
03 11 13 00-0082 LF 48" Diameter Round Fiber Tube Formwork .....	116.93	
For Plastic Lined, Add	24.52	
For Columns >12' In Length, Add	11.69	
03 11 13 00-0083 LF 54" Diameter Round Fiber Tube Formwork .....	211.17	
For Plastic Lined, Add	52.13	
For Columns >12' In Length, Add	21.12	
03 11 13 00-0084 LF 60" Diameter Round Fiber Tube Formwork .....	235.20	
For Plastic Lined, Add	58.83	
For Columns >12' In Length, Add	23.52	
<b>03 11 13 00-0085 Accessories For Formwork (03 11 13)</b>		
<b>03 11 13 00-0086 Keyway Forms, All Materials (03 11 13 00-0085)</b>		
03 11 13 00-0087 LF 2" x 4" To 2" x 6" Keyway Forms for Concrete Formwork, All Materials .....	2.32	
<b>03 11 13 00-0088 Chamfer Strips, All Materials (03 11 13 00-0085)</b>		
03 11 13 00-0089 LF 1/2" Wide Chamfer Strips for Concrete Formwork, All Materials.....	2.47	
03 11 13 00-0090 LF 3/4" Wide Chamfer Strips for Concrete Formwork, All Materials.....	2.85	
03 11 13 00-0091 LF 1" Wide Chamfer Strips for Concrete Formwork, All Materials.....	3.29	
<b>03 11 13 00-0092 Strip Out Reglets For Concrete Formwork (03 11 13 00-0085)</b>		
03 11 13 00-0093 LF 24 To 26 Gauge Galvanized Steel, Strip Out Reglets For Concrete Formwork .....	12.38	
<b>03 11 13 00-0094 Sleeves And Chases, Plastic Or Sheet Metal (03 11 13 00-0085)</b>		
03 11 13 00-0095 EA 2" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal .....	16.47	
03 11 13 00-0096 EA 4" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal .....	21.15	
03 11 13 00-0097 EA 6" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal .....	25.70	
03 11 13 00-0098 EA 8" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal .....	31.43	
03 11 13 00-0099 EA 12" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal .....	41.14	
03 11 13 00-0100 EA 18" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal .....	108.17	
<b>03 11 16 Architectural Cast-In-Place Concrete Forming (03 11 16)</b>		
<b>03 11 16 13 Concrete Form Liners (03 11 16 13)</b>		
<b>03 11 16 13-0001 Concrete Form Liners (03 11 16 13)</b>		
03 11 16 13-0002 SF Various Patterns And Textures, 1 Use, Concrete Form Liner, Add To Formwork.....	5.91	



<b>Concrete</b>	<b>03</b>	<b>03</b>	
<b>Concrete Forming and Accessories</b>			<b>03 10</b>
<b>Concrete Forming</b>			<b>03 11</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 11 16 13-0003 SF Beveled Edge, Rusticated Concrete Finish, 1 Use, Concrete Form Liner, Add To Formwork .....	7.63	
03 11 16 13-0004 SF Square Edge, Rusticated Concrete Finish, 1 Use, Concrete Form Liner, Add To Formwork .....	10.01	
<b>03 11 23 Permanent Stair Forming (03 11)</b>		
<b>03 11 23 00-0001 Stairway Wood Formwork (03 11 23)</b>		
03 11 23 00-0002 SF Cast On Grade Stairway Wood Formwork .....	19.11	
For Curved Formwork, Add	7.34	
For <1,000, Add	3.72	
03 11 23 00-0003 SF Elevated Stairway Wood Formwork .....	37.83	
Note: Includes adjustable column supports and bracing lumber up to 14' for bottom of elevated stair.		
For Curved Formwork, Add	14.34	
For <1,000, Add	7.30	
<b>03 11 23 00-0004 Stairway Metal Framed Formwork (03 11 23)</b>		
03 11 23 00-0005 SF Cast On Grade Stairway Metal Framed Formwork .....	15.89	
For Curved Formwork, Add	6.02	
For <1,000, Add	3.07	
03 11 23 00-0006 SF Elevated Stairway Metal Framed Formwork .....	29.52	
Note: Includes adjustable column supports and bracing lumber up to 14' for bottom of elevated stair.		
For Curved Formwork, Add	11.18	
For <1,000, Add	5.69	
<b>03 15 Concrete Accessories (03 10)</b>		
<b>03 15 13 Waterstops (03 15)</b>		
<b>03 15 13 13 Non-Expanding Waterstops (03 15 13)</b>		
<b>03 15 13 13-0001 Polyvinyl Chloride (PVC) Waterstops (03 15 13 13)</b>		
03 15 13 13-0002 LF 3/16" Thick x 4" Wide Ribbed Polyvinyl Chloride (PVC) Waterstop .....	10.66	
03 15 13 13-0003 LF 3/16" Thick x 6" Wide Ribbed Polyvinyl Chloride (PVC) Waterstop .....	12.36	
03 15 13 13-0004 LF 3/16" Thick x 9" Wide Ribbed Polyvinyl Chloride (PVC) Waterstop With Center Bulb .....	15.80	
03 15 13 13-0005 LF 3/8" Thick x 9" Wide Ribbed Polyvinyl Chloride (PVC) Waterstop With Center Bulb .....	17.81	
03 15 13 13-0006 LF 1/2" Thick x 9" Wide Ribbed Polyvinyl Chloride (PVC) Waterstop .....	30.73	
03 15 13 13-0007 LF 3/16" Thick x 6" Wide Dumbbell Polyvinyl Chloride (PVC) Waterstop .....	13.90	
03 15 13 13-0008 LF 3/8" Thick x 6" Wide Dumbbell Polyvinyl Chloride (PVC) Waterstop .....	16.72	
03 15 13 13-0009 LF 3/8" Thick x 9" Wide Plain Polyvinyl Chloride (PVC) Waterstop .....	34.30	
03 15 13 13-0010 LF 3/8" Thick x 9" Wide Plain Polyvinyl Chloride (PVC) Waterstop With Center Bulb .....	25.42	
<b>03 15 13 13-0011 Rubber Waterstops (03 15 13 13)</b>		
03 15 13 13-0012 LF 3/8" Thick x 6" Wide Rubber Dumbbell Waterstop .....	10.16	
03 15 13 13-0013 LF 3/8" Thick x 9" Wide Rubber Dumbbell Waterstop .....	11.63	
03 15 13 13-0014 LF 1/4" Thick x 6" Wide Rubber Waterstop, With Center Bulb .....	10.56	
03 15 13 13-0015 LF 1/4" Thick x 9" Wide Rubber Waterstop, With Center Bulb .....	14.41	
03 15 13 13-0016 LF 3/8" Thick x 6" Wide Rubber Waterstop, With Center Bulb .....	12.03	
03 15 13 13-0017 LF 3/8" Thick x 9" Wide Rubber Waterstop, With Center Bulb .....	15.33	
<b>03 15 13 16 Expanding Waterstops (03 15 13)</b>		
<b>03 15 13 16-0001 Bentonite Waterstops (03 15 13 16)</b>		
03 15 13 16-0002 LF 3/4" x 3/8" Bentonite Waterstop .....	10.19	
03 15 13 16-0003 LF 1-1/4" x 1/2" Bentonite Waterstop .....	16.83	
03 15 13 16-0004 LF 1" x 3/4" Bentonite Waterstop .....	19.22	
03 15 13 16-0005 LF 1" x 1" Bentonite Waterstop .....	22.41	
<b>03 15 16 Concrete Construction Joints (03 15)</b>		
<b>03 15 16 00-0001 Poured Expansion Joint (03 15 16)</b>		
03 15 16 00-0002 LF 1/2" x 1" Plain Asphalt Expansion Joint, Poured .....	3.07	0.83
For Installation In Walls, Add	1.38	
03 15 16 00-0003 LF 1" x 2" Plain Asphalt Expansion Joint, Poured .....	7.04	0.83
For Installation In Walls, Add	1.55	
03 15 16 00-0004 LF 1/2" x 1" Liquid Neoprene Expansion Joint, Poured, Cold Applied .....	2.94	0.83
For Installation In Walls, Add	1.38	
03 15 16 00-0005 LF 1" x 2" Liquid Neoprene Expansion Joint, Poured, Cold Applied .....	6.49	0.83
For Installation In Walls, Add	1.55	
03 15 16 00-0006 LF 1/2" x 1" Polyurethane Expansion Joint, Poured, 2 Parts .....	4.11	0.83
For Installation In Walls, Add	1.55	
03 15 16 00-0007 LF 1" x 2" Polyurethane Expansion Joint, Poured, 2 Parts .....	7.42	0.83
For Installation In Walls, Add	2.52	
03 15 16 00-0008 LF 1/2" x 1" Rubberized Asphalt Expansion Joint, Poured, Hot Or Cold Applied .....	3.43	0.83
For Installation In Walls, Add	1.38	
03 15 16 00-0009 LF 1/2" x 1" Rubberized Asphalt Expansion Joint, Poured, Hot Applied Fuel Resistant .....	4.25	0.83
For Installation In Walls, Add	1.38	
03 15 16 00-0010 LF 1" x 2" Rubberized Asphalt Expansion Joint, Poured, Hot Applied Fuel Resistant .....	11.28	0.83
For Installation In Walls, Add	1.55	

**03 Concrete****03 10 Concrete Forming and Accessories****03 15 Concrete Accessories**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 16 00-0011			Premolded Expansion Joints <small>(03 15 16)</small>		
03 15 16 00-0012			Asphalt Saturated Fiber, Premolded Expansion Joints <small>(03 15 16 00-0011)</small>		
03 15 16 00-0013	LF		1/4" x 3" Asphalt Saturated Fiber, Premolded Expansion Joint .....	2.52	1.16
03 15 16 00-0014	LF		1/4" x 4" Asphalt Saturated Fiber, Premolded Expansion Joint .....	2.90	1.22
03 15 16 00-0015	LF		1/4" x 5" Asphalt Saturated Fiber, Premolded Expansion Joint .....	3.13	1.28
03 15 16 00-0016	LF		1/4" x 6" Asphalt Saturated Fiber, Premolded Expansion Joint .....	3.37	1.34
03 15 16 00-0017	LF		3/8" x 3" Asphalt Saturated Fiber, Premolded Expansion Joint .....	2.76	1.16
03 15 16 00-0018	LF		3/8" x 4" Asphalt Saturated Fiber, Premolded Expansion Joint .....	3.08	1.22
03 15 16 00-0019	LF		3/8" x 5" Asphalt Saturated Fiber, Premolded Expansion Joint .....	3.48	1.28
03 15 16 00-0020	LF		3/8" x 6" Asphalt Saturated Fiber, Premolded Expansion Joint .....	4.03	1.34
03 15 16 00-0021	LF		1/2" x 2" Asphalt Saturated Fiber, Premolded Expansion Joint .....	2.49	1.10
03 15 16 00-0022	LF		1/2" x 3" Asphalt Saturated Fiber, Premolded Expansion Joint .....	2.72	1.16
03 15 16 00-0023	LF		1/2" x 4" Asphalt Saturated Fiber, Premolded Expansion Joint .....	2.99	1.22
03 15 16 00-0024	LF		1/2" x 5" Asphalt Saturated Fiber, Premolded Expansion Joint .....	3.22	1.28
03 15 16 00-0025	LF		1/2" x 6" Asphalt Saturated Fiber, Premolded Expansion Joint .....	3.49	1.34
03 15 16 00-0026	LF		1/2" x 8" Asphalt Saturated Fiber, Premolded Expansion Joint .....	3.89	1.39
03 15 16 00-0027	LF		1/2" x 10" Asphalt Saturated Fiber, Premolded Expansion Joint .....	4.18	1.45
03 15 16 00-0028	LF		1/2" x 12" Asphalt Saturated Fiber, Premolded Expansion Joint .....	4.71	1.51
03 15 16 00-0029	LF		3/4" x 4" Asphalt Saturated Fiber, Premolded Expansion Joint .....	3.01	1.22
03 15 16 00-0030	LF		3/4" x 5" Asphalt Saturated Fiber, Premolded Expansion Joint .....	3.46	1.28
03 15 16 00-0031	LF		3/4" x 8" Asphalt Saturated Fiber, Premolded Expansion Joint .....	4.24	1.39
03 15 16 00-0032	SF		1" Asphalt Saturated Fiber, Premolded Expansion Joint .....	7.36	1.91
03 15 16 00-0033			Cork, Premolded Expansion Joints <small>(03 15 16 00-0011)</small>		
03 15 16 00-0034	LF		1/2" x 4" Cork, Premolded Expansion Joint .....	4.35	1.22
03 15 16 00-0035	LF		1/2" x 6" Cork, Premolded Expansion Joint .....	4.89	1.34
03 15 16 00-0036	LF		1/2" x 8" Cork, Premolded Expansion Joint .....	5.32	1.39
03 15 16 00-0037	LF		1/2" x 10" Cork, Premolded Expansion Joint .....	7.48	1.45
03 15 16 00-0038	LF		1/2" x 12" Cork, Premolded Expansion Joint .....	7.97	1.51
03 15 16 00-0039	SF		1/2" Cork, Premolded Expansion Joint .....	8.78	1.91
03 15 16 00-0040	SF		3/4" Cork, Premolded Expansion Joint .....	10.20	1.91
03 15 16 00-0041	SF		1" Cork, Premolded Expansion Joint .....	10.85	1.91
03 15 16 00-0042			Flexible Polyethylene Foam, Premolded Expansion Joints <small>(03 15 16 00-0011)</small>		
03 15 16 00-0043	LF		1/4" x 4" Flexible Polyethylene Foam, Premolded Expansion Joint .....	2.74	1.22
03 15 16 00-0044	LF		1/4" x 5" Flexible Polyethylene Foam, Premolded Expansion Joint .....	2.86	1.28
03 15 16 00-0045	LF		1/4" x 6" Flexible Polyethylene Foam, Premolded Expansion Joint .....	3.01	1.34
03 15 16 00-0046	LF		1/4" x 8" Flexible Polyethylene Foam, Premolded Expansion Joint .....	3.51	1.39
03 15 16 00-0047	LF		1/2" x 4" Flexible Polyethylene Foam, Premolded Expansion Joint .....	2.82	1.22
03 15 16 00-0048	LF		1/2" x 5" Flexible Polyethylene Foam, Premolded Expansion Joint .....	2.95	1.28
03 15 16 00-0049	LF		1/2" x 6" Flexible Polyethylene Foam, Premolded Expansion Joint .....	3.07	1.34
03 15 16 00-0050	LF		1/2" x 8" Flexible Polyethylene Foam, Premolded Expansion Joint .....	3.38	1.39
03 15 16 00-0051			Zip Strip, Premolded Expansion Joints <small>(03 15 16 00-0011)</small>		
03 15 16 00-0052	LF		1" Zip Strip, Premolded Expansion Joint.....	2.77	1.22
03 15 16 00-0053	LF		1-1/2" Zip Strip, Premolded Expansion Joint .....	3.03	1.28
03 15 16 00-0054	LF		2" Zip Strip, Premolded Expansion Joint.....	3.37	1.39
03 15 16 00-0055			Sponge Rubber, Premolded Expansion Joints <small>(03 15 16 00-0011)</small>		
03 15 16 00-0056	LF		1/2" x 4" Sponge Rubber, Premolded Expansion Joint.....	4.65	1.16
03 15 16 00-0057	LF		1/2" x 6" Sponge Rubber, Premolded Expansion Joint.....	5.57	1.16
03 15 16 00-0058			Asphalt Felt Control Joints Or Bond Breaker <small>(03 15 16)</small>		
03 15 16 00-0059	SF		Asphalt Felt Control Joint, 30 LB Felt Bond Breaker.....	1.32	0.87
			>1,250, Deduct .....	-0.07	
03 15 16 00-0060	SF		Asphalt Felt Control Joint, 15 LB Felt Bond Breaker.....	1.24	0.87
			>1,250, Deduct .....	-0.06	
03 15 16 00-0061			Keyed Cold Expansion And Control Joints <small>(03 15 16)</small>		
03 15 16 00-0062			24 Gauge Galvanized Steel With Stakes <small>(03 15 16 00-0061)</small>		
03 15 16 00-0063	LF		24 Gauge Galvanized Steel Keyed Joint, 3-1/2" Cold Expansion Or Control Joint .....	6.67	
03 15 16 00-0064	LF		24 Gauge Galvanized Steel Keyed Joint, 4-1/2" Cold Expansion Or Control Joint .....	6.80	
03 15 16 00-0065	LF		24 Gauge Galvanized Steel Keyed Joint, 5-1/2" Cold Expansion Or Control Joint .....	7.05	
03 15 16 00-0066	LF		24 Gauge Galvanized Steel Keyed Joint, 7-1/2" Cold Expansion Or Control Joint .....	7.50	
03 15 16 00-0067	LF		24 Gauge Galvanized Steel Keyed Joint, 9-1/2" Cold Expansion Or Control Joint .....	9.43	
03 15 19			<b>Cast-In Concrete Anchors <small>(03 15)</small></b>		
03 15 19 00-0001			Cast In Place Anchors <small>(03 15 19)</small> Note: For cast in place installations. Includes nut and washer.		



<b>Concrete</b>	<b>03</b>	<b>03</b>
<b>Concrete Forming and Accessories</b>	<b>03 10</b>	
<b>Concrete Accessories</b>	<b>03 15</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>03 15 19 00-0002 J-Type Anchor Bolts</b> <small>(03 15 19 00-0001)</small> See CSI section 03 11 13 00-0002 for template.		
<b>03 15 19 00-0003 1/2" And 5/8" Diameter</b> <small>(03 15 19 00-0002)</small>		
03 15 19 00-0004 EA 1/2" Diameter x 6" Length, Plain Steel, J-Type Cast In Place Anchor Bolt ..... 13.53 <i>For Galvanized, Add</i> 3.47 <i>For Stainless Steel, Add</i> 24.29 <i>For &gt;10 To 50, Deduct</i> -0.33 <i>For &gt;50 To 100, Deduct</i> -0.83 <i>For &gt;100, Deduct</i> -1.67		
03 15 19 00-0005 EA 1/2" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt ..... 15.94 <i>For Galvanized, Add</i> 4.42 <i>For Stainless Steel, Add</i> 30.94 <i>For &gt;10 To 50, Deduct</i> -0.36 <i>For &gt;50 To 100, Deduct</i> -0.93 <i>For &gt;100, Deduct</i> -1.86		
03 15 19 00-0006 EA 1/2" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt ..... 19.87 <i>For Galvanized, Add</i> 6.09 <i>For Stainless Steel, Add</i> 42.63 <i>For &gt;10 To 50, Deduct</i> -0.38 <i>For &gt;50 To 100, Deduct</i> -1.07 <i>For &gt;100, Deduct</i> -2.15		
03 15 19 00-0007 EA 5/8" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt ..... 23.60 <i>For Galvanized, Add</i> 7.96 <i>For Stainless Steel, Add</i> 55.69 <i>For &gt;10 To 50, Deduct</i> -0.38 <i>For &gt;50 To 100, Deduct</i> -1.17 <i>For &gt;100, Deduct</i> -2.33		
03 15 19 00-0008 EA 5/8" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt ..... 29.64 <i>For Galvanized, Add</i> 10.62 <i>For Stainless Steel, Add</i> 74.34 <i>For &gt;10 To 50, Deduct</i> -0.42 <i>For &gt;50 To 100, Deduct</i> -1.37 <i>For &gt;100, Deduct</i> -2.74		
03 15 19 00-0009 EA 5/8" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt ..... 33.50 <i>For Galvanized, Add</i> 12.14 <i>For Stainless Steel, Add</i> 84.95 <i>For &gt;10 To 50, Deduct</i> -0.46 <i>For &gt;50 To 100, Deduct</i> -1.53 <i>For &gt;100, Deduct</i> -3.06		
<b>03 15 19 00-0010 3/4" And 7/8" Diameter</b> <small>(03 15 19 00-0002)</small>		
03 15 19 00-0011 EA 3/4" Diameter x 8" Length, Plain Steel, J-Type Cast In Place Anchor Bolt ..... 33.33 <i>For Galvanized, Add</i> 12.05 <i>For Stainless Steel, Add</i> 84.35 <i>For &gt;10 To 50, Deduct</i> -0.46 <i>For &gt;50 To 100, Deduct</i> -1.53 <i>For &gt;100, Deduct</i> -3.05		
03 15 19 00-0012 EA 3/4" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt ..... 38.35 <i>For Galvanized, Add</i> 14.05 <i>For Stainless Steel, Add</i> 98.32 <i>For &gt;10 To 50, Deduct</i> -0.51 <i>For &gt;50 To 100, Deduct</i> -1.73 <i>For &gt;100, Deduct</i> -3.46		
03 15 19 00-0013 EA 3/4" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt ..... 47.52 <i>For Galvanized, Add</i> 17.99 <i>For Stainless Steel, Add</i> 125.93 <i>For &gt;10 To 50, Deduct</i> -0.58 <i>For &gt;50 To 100, Deduct</i> -2.05 <i>For &gt;100, Deduct</i> -4.11		
03 15 19 00-0014 EA 3/4" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt ..... 58.27 <i>For Galvanized, Add</i> 22.67 <i>For Stainless Steel, Add</i> 158.69 <i>For &gt;10 To 50, Deduct</i> -0.65 <i>For &gt;50 To 100, Deduct</i> -2.43 <i>For &gt;100, Deduct</i> -4.85		
03 15 19 00-0015 EA 7/8" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt ..... 44.48 <i>For Galvanized, Add</i> 16.47 <i>For Stainless Steel, Add</i> 115.29 <i>For &gt;10 To 50, Deduct</i> -0.58 <i>For &gt;50 To 100, Deduct</i> -1.98 <i>For &gt;100, Deduct</i> -3.96		
03 15 19 00-0016 EA 7/8" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt ..... 52.63 <i>For Galvanized, Add</i> 19.72 <i>For Stainless Steel, Add</i> 138.04 <i>For &gt;10 To 50, Deduct</i> -0.66 <i>For &gt;50 To 100, Deduct</i> -2.31 <i>For &gt;100, Deduct</i> -4.61		
03 15 19 00-0017 EA 7/8" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt ..... 67.96 <i>For Galvanized, Add</i> 26.29 <i>For Stainless Steel, Add</i> 184.03 <i>For &gt;10 To 50, Deduct</i> -0.77 <i>For &gt;50 To 100, Deduct</i> -2.85 <i>For &gt;100, Deduct</i> -5.71		

**03 Concrete****03 10 Concrete Forming and Accessories****03 15 Concrete Accessories**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

03 15 19 00-0018		1" And 1-1/8" Diameter	(03 15 19 00-0002)	
03 15 19 00-0019	EA	1" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	55.80	
		<i>For Galvanized, Add</i>	21.31	
		<i>For Stainless Steel, Add</i>	149.14	
		<i>For &gt;10 To 50, Deduct</i>	-0.66	
		<i>For &gt;50 To 100, Deduct</i>	-2.38	
		<i>For &gt;100, Deduct</i>	-4.77	
03 15 19 00-0020	EA	1" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	66.66	
		<i>For Galvanized, Add</i>	25.64	
		<i>For Stainless Steel, Add</i>	179.48	
		<i>For &gt;10 To 50, Deduct</i>	-0.77	
		<i>For &gt;50 To 100, Deduct</i>	-2.82	
		<i>For &gt;100, Deduct</i>	-5.64	
03 15 19 00-0021	EA	1" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	82.74	
		<i>For Galvanized, Add</i>	32.14	
		<i>For Stainless Steel, Add</i>	224.98	
		<i>For &gt;10 To 50, Deduct</i>	-0.92	
		<i>For &gt;50 To 100, Deduct</i>	-3.45	
		<i>For &gt;100, Deduct</i>	-6.91	
03 15 19 00-0022	EA	1" Diameter x 36" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	101.61	
		<i>For Galvanized, Add</i>	39.27	
		<i>For Stainless Steel, Add</i>	274.89	
		<i>For &gt;10 To 50, Deduct</i>	-1.15	
		<i>For &gt;50 To 100, Deduct</i>	-4.27	
		<i>For &gt;100, Deduct</i>	-8.54	
03 15 19 00-0023	EA	1-1/8" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	67.75	
		<i>For Galvanized, Add</i>	26.64	
		<i>For Stainless Steel, Add</i>	186.45	
		<i>For &gt;10 To 50, Deduct</i>	-0.72	
		<i>For &gt;50 To 100, Deduct</i>	-2.78	
		<i>For &gt;100, Deduct</i>	-5.56	
03 15 19 00-0024	EA	1-1/8" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	80.99	
		<i>For Galvanized, Add</i>	32.06	
		<i>For Stainless Steel, Add</i>	224.39	
		<i>For &gt;10 To 50, Deduct</i>	-0.84	
		<i>For &gt;50 To 100, Deduct</i>	-3.29	
		<i>For &gt;100, Deduct</i>	-6.58	
03 15 19 00-0025	EA	1-1/8" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	100.63	
		<i>For Galvanized, Add</i>	40.18	
		<i>For Stainless Steel, Add</i>	281.26	
		<i>For &gt;10 To 50, Deduct</i>	-1.01	
		<i>For &gt;50 To 100, Deduct</i>	-4.04	
		<i>For &gt;100, Deduct</i>	-8.07	
03 15 19 00-0026	EA	1-1/8" Diameter x 36" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	123.52	
		<i>For Galvanized, Add</i>	49.09	
		<i>For Stainless Steel, Add</i>	343.63	
		<i>For &gt;10 To 50, Deduct</i>	-1.27	
		<i>For &gt;50 To 100, Deduct</i>	-4.99	
		<i>For &gt;100, Deduct</i>	-9.98	
03 15 19 00-0027		1-1/4" And 1-1/2" Diameter	(03 15 19 00-0002)	
03 15 19 00-0028	EA	1-1/4" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	82.62	
		<i>For Galvanized, Add</i>	33.29	
		<i>For Stainless Steel, Add</i>	233.03	
		<i>For &gt;10 To 50, Deduct</i>	-0.80	
		<i>For &gt;50 To 100, Deduct</i>	-3.27	
		<i>For &gt;100, Deduct</i>	-6.54	
03 15 19 00-0029	EA	1-1/4" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	98.85	
		<i>For Galvanized, Add</i>	40.08	
		<i>For Stainless Steel, Add</i>	280.53	
		<i>For &gt;10 To 50, Deduct</i>	-0.94	
		<i>For &gt;50 To 100, Deduct</i>	-3.87	
		<i>For &gt;100, Deduct</i>	-7.75	
03 15 19 00-0030	EA	1-1/4" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	122.93	
		<i>For Galvanized, Add</i>	50.24	
		<i>For Stainless Steel, Add</i>	351.68	
		<i>For &gt;10 To 50, Deduct</i>	-1.12	
		<i>For &gt;50 To 100, Deduct</i>	-4.76	
		<i>For &gt;100, Deduct</i>	-9.51	
03 15 19 00-0031	EA	1-1/4" Diameter x 36" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	150.77	
		<i>For Galvanized, Add</i>	61.36	
		<i>For Stainless Steel, Add</i>	429.49	
		<i>For &gt;10 To 50, Deduct</i>	-1.40	
		<i>For &gt;50 To 100, Deduct</i>	-5.87	
		<i>For &gt;100, Deduct</i>	-11.75	
03 15 19 00-0032	EA	1-1/2" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	101.20	
		<i>For Galvanized, Add</i>	41.61	
		<i>For Stainless Steel, Add</i>	291.27	
		<i>For &gt;10 To 50, Deduct</i>	-0.90	
		<i>For &gt;50 To 100, Deduct</i>	-3.88	
		<i>For &gt;100, Deduct</i>	-7.76	



<b>Concrete</b>	<b>03</b>	<b>CS</b>
<b>Concrete Forming and Accessories</b>	<b>03 10</b>	
<b>Concrete Accessories</b>	<b>03 15</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 19 00-0033 EA 1-1/2" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt .....	121.15	
For Galvanized, Add	50.09	
For Stainless Steel, Add	350.60	
For >10 To 50, Deduct	-1.05	
For >50 To 100, Deduct	-4.60	
For >100, Deduct	-9.20	
03 15 19 00-0034 EA 1-1/2" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt .....	150.80	
For Galvanized, Add	62.81	
For Stainless Steel, Add	439.67	
For >10 To 50, Deduct	-1.26	
For >50 To 100, Deduct	-5.66	
For >100, Deduct	-11.32	
03 15 19 00-0035 EA 1-1/2" Diameter x 36" Length, Plain Steel, J-Type Cast In Place Anchor Bolt .....	184.86	
For Galvanized, Add	76.70	
For Stainless Steel, Add	536.90	
For >10 To 50, Deduct	-1.57	
For >50 To 100, Deduct	-6.98	
For >100, Deduct	-13.96	
<b>03 15 19 00-0036 L-Type Anchor Bolts</b> <small>(03 15 19 00-0001)</small>		
See CSI section 03 11 13 00-0002 for template.		
<b>03 15 19 00-0037 3/4" And 7/8" Diameter</b> <small>(03 15 19 00-0036)</small>		
03 15 19 00-0038 EA 3/4" Diameter x 12" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	28.68	
For Galvanized, Add	9.21	
For Stainless Steel, Add	64.47	
For >10 To 50, Deduct	-0.51	
For >50 To 100, Deduct	-1.49	
For >100, Deduct	-2.97	
03 15 19 00-0039 EA 3/4" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	34.30	
For Galvanized, Add	11.38	
For Stainless Steel, Add	79.66	
For >10 To 50, Deduct	-0.58	
For >50 To 100, Deduct	-1.72	
For >100, Deduct	-3.45	
03 15 19 00-0040 EA 3/4" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	39.28	
For Galvanized, Add	13.05	
For Stainless Steel, Add	91.32	
For >10 To 50, Deduct	-0.66	
For >50 To 100, Deduct	-1.97	
For >100, Deduct	-3.94	
03 15 19 00-0041 EA 3/4" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	42.47	
For Galvanized, Add	13.55	
For Stainless Steel, Add	94.82	
For >10 To 50, Deduct	-0.77	
For >50 To 100, Deduct	-2.22	
For >100, Deduct	-4.43	
03 15 19 00-0042 EA 3/4" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	46.90	
For Galvanized, Add	14.22	
For Stainless Steel, Add	99.54	
For >10 To 50, Deduct	-0.92	
For >50 To 100, Deduct	-2.56	
For >100, Deduct	-5.11	
03 15 19 00-0043 EA 7/8" Diameter x 12" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	34.38	
For Galvanized, Add	11.42	
For Stainless Steel, Add	79.94	
For >10 To 50, Deduct	-0.58	
For >50 To 100, Deduct	-1.73	
For >100, Deduct	-3.45	
03 15 19 00-0044 EA 7/8" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	39.80	
For Galvanized, Add	13.31	
For Stainless Steel, Add	93.14	
For >10 To 50, Deduct	-0.66	
For >50 To 100, Deduct	-1.98	
For >100, Deduct	-3.97	
03 15 19 00-0045 EA 7/8" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	45.90	
For Galvanized, Add	15.26	
For Stainless Steel, Add	106.82	
For >10 To 50, Deduct	-0.77	
For >50 To 100, Deduct	-2.30	
For >100, Deduct	-4.60	
03 15 19 00-0046 EA 7/8" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	50.15	
For Galvanized, Add	15.85	
For Stainless Steel, Add	110.92	
For >10 To 50, Deduct	-0.92	
For >50 To 100, Deduct	-2.64	
For >100, Deduct	-5.28	
03 15 19 00-0047 EA 7/8" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	56.36	
For Galvanized, Add	16.65	
For Stainless Steel, Add	116.52	
For >10 To 50, Deduct	-1.15	
For >50 To 100, Deduct	-3.14	
For >100, Deduct	-6.28	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 19 00-0048			<b>1" And 1-1/8" Diameter</b> <small>(03 15 19 00-0036)</small>		
03 15 19 00-0049	EA		1" Diameter x 12" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	42.49	
			<i>For Galvanized, Add</i>	14.65	
			<i>For Stainless Steel, Add</i>	102.55	
			<i>For &gt;10 To 50, Deduct</i>	-0.66	
			<i>For &gt;50 To 100, Deduct</i>	-2.05	
			<i>For &gt;100, Deduct</i>	-4.10	
03 15 19 00-0050	EA		1" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	48.32	
			<i>For Galvanized, Add</i>	16.47	
			<i>For Stainless Steel, Add</i>	115.29	
			<i>For &gt;10 To 50, Deduct</i>	-0.77	
			<i>For &gt;50 To 100, Deduct</i>	-2.36	
			<i>For &gt;100, Deduct</i>	-4.72	
03 15 19 00-0051	EA		1" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	55.30	
			<i>For Galvanized, Add</i>	18.42	
			<i>For Stainless Steel, Add</i>	128.94	
			<i>For &gt;10 To 50, Deduct</i>	-0.92	
			<i>For &gt;50 To 100, Deduct</i>	-2.77	
			<i>For &gt;100, Deduct</i>	-5.53	
03 15 19 00-0052	EA		1" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	58.64	
			<i>For Galvanized, Add</i>	19.29	
			<i>For Stainless Steel, Add</i>	135.03	
			<i>For &gt;10 To 50, Deduct</i>	-1.00	
			<i>For &gt;50 To 100, Deduct</i>	-2.97	
			<i>For &gt;100, Deduct</i>	-5.94	
03 15 19 00-0053	EA		1" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	63.47	
			<i>For Galvanized, Add</i>	20.20	
			<i>For Stainless Steel, Add</i>	141.40	
			<i>For &gt;10 To 50, Deduct</i>	-1.15	
			<i>For &gt;50 To 100, Deduct</i>	-3.32	
			<i>For &gt;100, Deduct</i>	-6.63	
03 15 19 00-0054	EA		1" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	72.45	
			<i>For Galvanized, Add</i>	23.41	
			<i>For Stainless Steel, Add</i>	163.84	
			<i>For &gt;10 To 50, Deduct</i>	-1.28	
			<i>For &gt;50 To 100, Deduct</i>	-3.73	
			<i>For &gt;100, Deduct</i>	-7.47	
03 15 19 00-0055	EA		1" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	85.55	
			<i>For Galvanized, Add</i>	27.40	
			<i>For Stainless Steel, Add</i>	191.77	
			<i>For &gt;10 To 50, Deduct</i>	-1.54	
			<i>For &gt;50 To 100, Deduct</i>	-4.45	
			<i>For &gt;100, Deduct</i>	-8.89	
03 15 19 00-0056	EA		1-1/8" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	53.91	
			<i>For Galvanized, Add</i>	19.27	
			<i>For Stainless Steel, Add</i>	134.86	
			<i>For &gt;10 To 50, Deduct</i>	-0.77	
			<i>For &gt;50 To 100, Deduct</i>	-2.50	
			<i>For &gt;100, Deduct</i>	-5.00	
03 15 19 00-0057	EA		1-1/8" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	61.59	
			<i>For Galvanized, Add</i>	21.57	
			<i>For Stainless Steel, Add</i>	150.96	
			<i>For &gt;10 To 50, Deduct</i>	-0.92	
			<i>For &gt;50 To 100, Deduct</i>	-2.92	
			<i>For &gt;100, Deduct</i>	-5.85	
03 15 19 00-0058	EA		1-1/8" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	65.18	
			<i>For Galvanized, Add</i>	22.56	
			<i>For Stainless Steel, Add</i>	157.92	
			<i>For &gt;10 To 50, Deduct</i>	-1.00	
			<i>For &gt;50 To 100, Deduct</i>	-3.13	
			<i>For &gt;100, Deduct</i>	-6.27	
03 15 19 00-0059			<b>1-1/4" And 1-3/8" Diameter</b> <small>(03 15 19 00-0036)</small>		
03 15 19 00-0060	EA		1-1/4" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	65.06	
			<i>For Galvanized, Add</i>	23.30	
			<i>For Stainless Steel, Add</i>	163.10	
			<i>For &gt;10 To 50, Deduct</i>	-0.92	
			<i>For &gt;50 To 100, Deduct</i>	-3.01	
			<i>For &gt;100, Deduct</i>	-6.02	
03 15 19 00-0061	EA		1-1/4" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	77.60	
			<i>For Galvanized, Add</i>	27.27	
			<i>For Stainless Steel, Add</i>	190.86	
			<i>For &gt;10 To 50, Deduct</i>	-1.15	
			<i>For &gt;50 To 100, Deduct</i>	-3.67	
			<i>For &gt;100, Deduct</i>	-7.34	
03 15 19 00-0062	EA		1-1/4" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	86.06	
			<i>For Galvanized, Add</i>	30.89	
			<i>For Stainless Steel, Add</i>	216.20	
			<i>For &gt;10 To 50, Deduct</i>	-1.21	
			<i>For &gt;50 To 100, Deduct</i>	-3.97	
			<i>For &gt;100, Deduct</i>	-7.95	





<b>Concrete</b>	<b>03</b>	<b>CS</b>
<b>Concrete Forming and Accessories</b>	<b>03 10</b>	
<b>Concrete Accessories</b>	<b>03 15</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 19 00-0063 EA 1-1/4" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	95.38	
For Galvanized, Add	34.87	
For Stainless Steel, Add	244.09	
For >10 To 50, Deduct	-1.28	
For >50 To 100, Deduct	-4.31	
For >100, Deduct	-8.62	
03 15 19 00-0064 EA 1-1/4" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	104.70	
For Galvanized, Add	37.93	
For Stainless Steel, Add	265.51	
For >10 To 50, Deduct	-1.44	
For >50 To 100, Deduct	-4.78	
For >100, Deduct	-9.56	
03 15 19 00-0065 EA 1-1/4" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	114.20	
For Galvanized, Add	40.62	
For Stainless Steel, Add	284.31	
For >10 To 50, Deduct	-1.65	
For >50 To 100, Deduct	-5.33	
For >100, Deduct	-10.66	
03 15 19 00-0066 EA 1-1/4" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	125.40	
For Galvanized, Add	43.48	
For Stainless Steel, Add	304.33	
For >10 To 50, Deduct	-1.92	
For >50 To 100, Deduct	-6.02	
For >100, Deduct	-12.04	
03 15 19 00-0067 EA 1-1/4" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	142.30	
For Galvanized, Add	48.07	
For Stainless Steel, Add	336.49	
For >10 To 50, Deduct	-2.31	
For >50 To 100, Deduct	-7.02	
For >100, Deduct	-14.04	
03 15 19 00-0068 EA 1-3/8" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	76.72	
For Galvanized, Add	29.13	
For Stainless Steel, Add	203.91	
For >10 To 50, Deduct	-0.92	
For >50 To 100, Deduct	-3.30	
For >100, Deduct	-6.61	
03 15 19 00-0069 EA 1-3/8" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	91.25	
For Galvanized, Add	34.09	
For Stainless Steel, Add	238.63	
For >10 To 50, Deduct	-1.15	
For >50 To 100, Deduct	-4.01	
For >100, Deduct	-8.02	
03 15 19 00-0070 EA 1-3/8" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	101.49	
For Galvanized, Add	38.60	
For Stainless Steel, Add	270.20	
For >10 To 50, Deduct	-1.21	
For >50 To 100, Deduct	-4.36	
For >100, Deduct	-8.72	
03 15 19 00-0071 EA 1-3/8" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	112.81	
For Galvanized, Add	43.59	
For Stainless Steel, Add	305.10	
For >10 To 50, Deduct	-1.28	
For >50 To 100, Deduct	-4.74	
For >100, Deduct	-9.49	
03 15 19 00-0072 EA 1-3/8" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	123.68	
For Galvanized, Add	47.42	
For Stainless Steel, Add	331.94	
For >10 To 50, Deduct	-1.44	
For >50 To 100, Deduct	-5.26	
For >100, Deduct	-10.51	
03 15 19 00-0073 EA 1-3/8" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	134.53	
For Galvanized, Add	50.78	
For Stainless Steel, Add	355.46	
For >10 To 50, Deduct	-1.65	
For >50 To 100, Deduct	-5.84	
For >100, Deduct	-11.67	
03 15 19 00-0074 EA 1-3/8" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	148.03	
For Galvanized, Add	54.79	
For Stainless Steel, Add	383.53	
For >10 To 50, Deduct	-1.92	
For >50 To 100, Deduct	-6.58	
For >100, Deduct	-13.17	
03 15 19 00-0075 EA 1-3/8" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	166.36	
For Galvanized, Add	60.10	
For Stainless Steel, Add	420.70	
For >10 To 50, Deduct	-2.31	
For >50 To 100, Deduct	-7.62	
For >100, Deduct	-15.24	

03 15 19 00-0076 1-1/2", 1-3/4", And 2" Diameter (03 15 19 00-0036)

**03 Concrete****03 10 Concrete Forming and Accessories****03 15 Concrete Accessories**

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

03 15 19 00-0077	EA	1-1/2" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	101.73	
		<i>For Galvanized, Add</i>	40.38	
		<i>For Stainless Steel, Add</i>	282.63	
		<i>For &gt;10 To 50, Deduct</i>	-1.05	
		<i>For &gt;50 To 100, Deduct</i>	-4.12	
		<i>For &gt;100, Deduct</i>	-8.23	
03 15 19 00-0078	EA	1-1/2" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	108.99	
		<i>For Galvanized, Add</i>	42.35	
		<i>For Stainless Steel, Add</i>	296.45	
		<i>For &gt;10 To 50, Deduct</i>	-1.21	
		<i>For &gt;50 To 100, Deduct</i>	-4.55	
		<i>For &gt;100, Deduct</i>	-9.09	
03 15 19 00-0079	EA	1-1/2" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	120.34	
		<i>For Galvanized, Add</i>	46.60	
		<i>For Stainless Steel, Add</i>	326.17	
		<i>For &gt;10 To 50, Deduct</i>	-1.36	
		<i>For &gt;50 To 100, Deduct</i>	-5.04	
		<i>For &gt;100, Deduct</i>	-10.09	
03 15 19 00-0080	EA	1-1/2" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	130.66	
		<i>For Galvanized, Add</i>	50.91	
		<i>For Stainless Steel, Add</i>	356.37	
		<i>For &gt;10 To 50, Deduct</i>	-1.44	
		<i>For &gt;50 To 100, Deduct</i>	-5.43	
		<i>For &gt;100, Deduct</i>	-10.86	
03 15 19 00-0081	EA	1-1/2" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	141.21	
		<i>For Galvanized, Add</i>	55.23	
		<i>For Stainless Steel, Add</i>	386.58	
		<i>For &gt;10 To 50, Deduct</i>	-1.54	
		<i>For &gt;50 To 100, Deduct</i>	-5.84	
		<i>For &gt;100, Deduct</i>	-11.67	
03 15 19 00-0082	EA	1-1/2" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	154.28	
		<i>For Galvanized, Add</i>	59.39	
		<i>For Stainless Steel, Add</i>	415.70	
		<i>For &gt;10 To 50, Deduct</i>	-1.78	
		<i>For &gt;50 To 100, Deduct</i>	-6.52	
		<i>For &gt;100, Deduct</i>	-13.04	
03 15 19 00-0083	EA	1-1/2" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	170.44	
		<i>For Galvanized, Add</i>	64.24	
		<i>For Stainless Steel, Add</i>	449.68	
		<i>For &gt;10 To 50, Deduct</i>	-2.10	
		<i>For &gt;50 To 100, Deduct</i>	-7.41	
		<i>For &gt;100, Deduct</i>	-14.82	
03 15 19 00-0084	EA	1-1/2" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	193.76	
		<i>For Galvanized, Add</i>	71.24	
		<i>For Stainless Steel, Add</i>	498.68	
		<i>For &gt;10 To 50, Deduct</i>	-2.56	
		<i>For &gt;50 To 100, Deduct</i>	-8.69	
		<i>For &gt;100, Deduct</i>	-17.38	
03 15 19 00-0085	EA	1-3/4" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	144.57	
		<i>For Galvanized, Add</i>	60.75	
		<i>For Stainless Steel, Add</i>	425.25	
		<i>For &gt;10 To 50, Deduct</i>	-1.15	
		<i>For &gt;50 To 100, Deduct</i>	-5.34	
		<i>For &gt;100, Deduct</i>	-10.69	
03 15 19 00-0086	EA	1-3/4" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	149.78	
		<i>For Galvanized, Add</i>	62.07	
		<i>For Stainless Steel, Add</i>	434.49	
		<i>For &gt;10 To 50, Deduct</i>	-1.28	
		<i>For &gt;50 To 100, Deduct</i>	-5.67	
		<i>For &gt;100, Deduct</i>	-11.34	
03 15 19 00-0087	EA	1-3/4" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	153.29	
		<i>For Galvanized, Add</i>	63.07	
		<i>For Stainless Steel, Add</i>	441.49	
		<i>For &gt;10 To 50, Deduct</i>	-1.36	
		<i>For &gt;50 To 100, Deduct</i>	-5.87	
		<i>For &gt;100, Deduct</i>	-11.74	
03 15 19 00-0088	EA	1-3/4" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	174.53	
		<i>For Galvanized, Add</i>	72.85	
		<i>For Stainless Steel, Add</i>	509.92	
		<i>For &gt;10 To 50, Deduct</i>	-1.44	
		<i>For &gt;50 To 100, Deduct</i>	-6.53	
		<i>For &gt;100, Deduct</i>	-13.05	
03 15 19 00-0089	EA	1-3/4" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	201.15	
		<i>For Galvanized, Add</i>	84.09	
		<i>For Stainless Steel, Add</i>	588.63	
		<i>For &gt;10 To 50, Deduct</i>	-1.65	
		<i>For &gt;50 To 100, Deduct</i>	-7.50	
		<i>For &gt;100, Deduct</i>	-15.00	
03 15 19 00-0090	EA	1-3/4" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	208.84	
		<i>For Galvanized, Add</i>	85.20	
		<i>For Stainless Steel, Add</i>	596.37	
		<i>For &gt;10 To 50, Deduct</i>	-1.92	
		<i>For &gt;50 To 100, Deduct</i>	-8.10	
		<i>For &gt;100, Deduct</i>	-16.21	



<b>Concrete</b>	<b>03</b>	<b>03</b>
<b>Concrete Forming and Accessories</b>	<b>03 10</b>	
<b>Concrete Accessories</b>	<b>03 15</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 19 00-0091 EA 1-3/4" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	230.16	
For Galvanized, Add	92.00	
For Stainless Steel, Add	644.00	
For >10 To 50, Deduct	-2.31	
For >50 To 100, Deduct	-9.22	
For >100, Deduct	-18.43	
03 15 19 00-0092 EA 1-3/4" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	255.87	
For Galvanized, Add	99.09	
For Stainless Steel, Add	693.63	
For >10 To 50, Deduct	-2.88	
For >50 To 100, Deduct	-10.72	
For >100, Deduct	-21.45	
03 15 19 00-0093 EA 2" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	212.11	
For Galvanized, Add	92.48	
For Stainless Steel, Add	647.36	
For >10 To 50, Deduct	-1.36	
For >50 To 100, Deduct	-7.34	
For >100, Deduct	-14.68	
03 15 19 00-0094 EA 2" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	230.72	
For Galvanized, Add	99.98	
For Stainless Steel, Add	699.86	
For >10 To 50, Deduct	-1.54	
For >50 To 100, Deduct	-8.08	
For >100, Deduct	-16.15	
03 15 19 00-0095 EA 2" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	253.45	
For Galvanized, Add	108.97	
For Stainless Steel, Add	762.79	
For >10 To 50, Deduct	-1.78	
For >50 To 100, Deduct	-9.00	
For >100, Deduct	-18.00	
03 15 19 00-0096 EA 2" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	272.78	
For Galvanized, Add	115.41	
For Stainless Steel, Add	807.87	
For >10 To 50, Deduct	-2.10	
For >50 To 100, Deduct	-9.97	
For >100, Deduct	-19.93	
03 15 19 00-0097 EA 2" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	294.19	
For Galvanized, Add	124.02	
For Stainless Steel, Add	868.11	
For >10 To 50, Deduct	-2.31	
For >50 To 100, Deduct	-10.82	
For >100, Deduct	-21.63	
03 15 19 00-0098 EA 2" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	316.12	
For Galvanized, Add	132.42	
For Stainless Steel, Add	926.94	
For >10 To 50, Deduct	-2.56	
For >50 To 100, Deduct	-11.75	
For >100, Deduct	-23.50	
03 15 19 00-0099 EA 2" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	350.37	
For Galvanized, Add	142.22	
For Stainless Steel, Add	995.54	
For >10 To 50, Deduct	-3.30	
For >50 To 100, Deduct	-13.70	
For >100, Deduct	-27.41	
03 15 19 00-0100 EA 2" Diameter x 66" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	378.63	
For Galvanized, Add	156.35	
For Stainless Steel, Add	1,094.45	
For >10 To 50, Deduct	-3.30	
For >50 To 100, Deduct	-14.41	
For >100, Deduct	-28.82	
03 15 19 00-0101 EA 2" Diameter x 72" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	424.51	
For Galvanized, Add	173.80	
For Stainless Steel, Add	1,216.57	
For >10 To 50, Deduct	-3.85	
For >50 To 100, Deduct	-16.38	
For >100, Deduct	-32.76	
<b>03 15 19 00-0102 2-1/2" And 2-3/4" Diameter (03 15 19 00-0036)</b>		
03 15 19 00-0103 EA 2-1/2" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	438.07	
For Galvanized, Add	205.46	
For Stainless Steel, Add	1,438.22	
For >10 To 50, Deduct	-1.36	
For >50 To 100, Deduct	-12.99	
For >100, Deduct	-25.98	
03 15 19 00-0104 EA 2-1/2" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	460.28	
For Galvanized, Add	214.76	
For Stainless Steel, Add	1,503.32	
For >10 To 50, Deduct	-1.54	
For >50 To 100, Deduct	-13.81	
For >100, Deduct	-27.63	

**03 Concrete****03 10 Concrete Forming and Accessories****03 15 Concrete Accessories**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 19 00-0105	EA		2-1/2" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	501.31	
			<i>For Galvanized, Add</i>	232.90	
			<i>For Stainless Steel, Add</i>	1,630.30	
			<i>For &gt;10 To 50, Deduct</i>	-1.78	
			<i>For &gt;50 To 100, Deduct</i>	-15.20	
			<i>For &gt;100, Deduct</i>	-30.39	
03 15 19 00-0106	EA		2-1/2" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	532.85	
			<i>For Galvanized, Add</i>	245.45	
			<i>For Stainless Steel, Add</i>	1,718.12	
			<i>For &gt;10 To 50, Deduct</i>	-2.10	
			<i>For &gt;50 To 100, Deduct</i>	-16.47	
			<i>For &gt;100, Deduct</i>	-32.94	
03 15 19 00-0107	EA		2-1/2" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	563.36	
			<i>For Galvanized, Add</i>	258.60	
			<i>For Stainless Steel, Add</i>	1,810.20	
			<i>For &gt;10 To 50, Deduct</i>	-2.31	
			<i>For &gt;50 To 100, Deduct</i>	-17.55	
			<i>For &gt;100, Deduct</i>	-35.09	
03 15 19 00-0108	EA		2-1/2" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	597.96	
			<i>For Galvanized, Add</i>	273.34	
			<i>For Stainless Steel, Add</i>	1,913.38	
			<i>For &gt;10 To 50, Deduct</i>	-2.56	
			<i>For &gt;50 To 100, Deduct</i>	-18.80	
			<i>For &gt;100, Deduct</i>	-37.59	
03 15 19 00-0109	EA		2-1/2" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	642.78	
			<i>For Galvanized, Add</i>	288.43	
			<i>For Stainless Steel, Add</i>	2,018.98	
			<i>For &gt;10 To 50, Deduct</i>	-3.30	
			<i>For &gt;50 To 100, Deduct</i>	-21.01	
			<i>For &gt;100, Deduct</i>	-42.03	
03 15 19 00-0110	EA		2-3/4" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	494.03	
			<i>For Galvanized, Add</i>	232.60	
			<i>For Stainless Steel, Add</i>	1,628.17	
			<i>For &gt;10 To 50, Deduct</i>	-1.44	
			<i>For &gt;50 To 100, Deduct</i>	-14.51	
			<i>For &gt;100, Deduct</i>	-29.03	
03 15 19 00-0111	EA		2-3/4" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	530.58	
			<i>For Galvanized, Add</i>	248.81	
			<i>For Stainless Steel, Add</i>	1,741.64	
			<i>For &gt;10 To 50, Deduct</i>	-1.65	
			<i>For &gt;50 To 100, Deduct</i>	-15.74	
			<i>For &gt;100, Deduct</i>	-31.47	
03 15 19 00-0112	EA		2-3/4" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	568.79	
			<i>For Galvanized, Add</i>	265.17	
			<i>For Stainless Steel, Add</i>	1,856.19	
			<i>For &gt;10 To 50, Deduct</i>	-1.92	
			<i>For &gt;50 To 100, Deduct</i>	-17.10	
			<i>For &gt;100, Deduct</i>	-34.21	
03 15 19 00-0113	EA		2-3/4" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	605.97	
			<i>For Galvanized, Add</i>	279.91	
			<i>For Stainless Steel, Add</i>	1,959.34	
			<i>For &gt;10 To 50, Deduct</i>	-2.31	
			<i>For &gt;50 To 100, Deduct</i>	-18.61	
			<i>For &gt;100, Deduct</i>	-37.22	
03 15 19 00-0114	EA		2-3/4" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	643.30	
			<i>For Galvanized, Add</i>	296.01	
			<i>For Stainless Steel, Add</i>	2,072.07	
			<i>For &gt;10 To 50, Deduct</i>	-2.56	
			<i>For &gt;50 To 100, Deduct</i>	-19.93	
			<i>For &gt;100, Deduct</i>	-39.86	
03 15 19 00-0115	EA		2-3/4" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	695.44	
			<i>For Galvanized, Add</i>	318.88	
			<i>For Stainless Steel, Add</i>	2,232.13	
			<i>For &gt;10 To 50, Deduct</i>	-2.88	
			<i>For &gt;50 To 100, Deduct</i>	-21.71	
			<i>For &gt;100, Deduct</i>	-43.43	
03 15 19 00-0116	EA		2-3/4" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	749.74	
			<i>For Galvanized, Add</i>	336.41	
			<i>For Stainless Steel, Add</i>	2,354.87	
			<i>For &gt;10 To 50, Deduct</i>	-3.85	
			<i>For &gt;50 To 100, Deduct</i>	-24.51	
			<i>For &gt;100, Deduct</i>	-49.03	

**03 20 Concrete Reinforcing** <sup>(03)</sup>

Note: Includes cutting or torching to size, bending where necessary and tie wires.

**03 21 Reinforcement Bars** <sup>(03 20)</sup>

Note: Includes cutting, bending, tie wire, tying, bar chairs and all non-mechanical splicing. The weights of reinforcing steel shall be used as follows: #2 - 0.167 Lbs./LF, #3 - 0.376 Lbs./LF, #4 - 0.668 Lbs./LF, #5 - 1.043 Lbs./LF, #6 - 1.502 Lbs./LF, #7 - 2.044 Lbs./LF, #8 - 2.670 Lbs./LF, #9 - 3.400 Lbs./LF, #10 - 4.303 Lbs./LF, #11 - 5.313 Lbs./LF, #14 - 7.650 Lbs./LF, #18 - 13.600 Lbs./LF.

**03 21 11 Plain Steel Reinforcement Bars** <sup>(03 21)</sup>**03 21 11 00-0001 Beams And Girders, Steel Reinforcement Bar** <sup>(03 21 11)</sup>

Note: ASTM A-615 Plain Steel and A-706 Low Alloy Steel.



<b>Concrete</b>	<b>03</b>	<b>03</b>
<b>Concrete Reinforcing</b>	<b>03 20</b>	
<b>Reinforcement Bars</b>	<b>03 21</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0002 LF #3, Grade 40, Beams And Girders, Steel Reinforcement Bar.....	0.66	
For Up To 100, Add	0.42	
For >100 To 200, Add	0.23	
For >200 To 500, Add	0.09	
03 21 11 00-0003 LF #4, Grade 40, Beams And Girders, Steel Reinforcement Bar.....	1.10	
For Up To 100, Add	0.72	
For >100 To 200, Add	0.39	
For >200 To 500, Add	0.16	
03 21 11 00-0004 LF #5, Grade 40, Beams And Girders, Steel Reinforcement Bar.....	1.65	
For Up To 100, Add	1.09	
For >100 To 200, Add	0.59	
For >200 To 500, Add	0.24	
03 21 11 00-0005 LF #6, Grade 40, Beams And Girders, Steel Reinforcement Bar.....	2.28	
For Up To 100, Add	1.54	
For >100 To 200, Add	0.83	
For >200 To 500, Add	0.33	
03 21 11 00-0006 LF #3, Grade 50, Beams And Girders, Steel Reinforcement Bar.....	0.67	
For Up To 100, Add	0.43	
For >100 To 200, Add	0.24	
For >200 To 500, Add	0.09	
03 21 11 00-0007 LF #4, Grade 50, Beams And Girders, Steel Reinforcement Bar.....	1.12	
For Up To 100, Add	0.74	
For >100 To 200, Add	0.40	
For >200 To 500, Add	0.16	
03 21 11 00-0008 LF #5, Grade 50, Beams And Girders, Steel Reinforcement Bar.....	1.69	
For Up To 100, Add	1.13	
For >100 To 200, Add	0.61	
For >200 To 500, Add	0.25	
03 21 11 00-0009 LF #6, Grade 50, Beams And Girders, Steel Reinforcement Bar.....	2.33	
For Up To 100, Add	1.59	
For >100 To 200, Add	0.86	
For >200 To 500, Add	0.34	
03 21 11 00-0010 LF #3, Grade 60, Beams And Girders, Steel Reinforcement Bar.....	0.69	
For Up To 100, Add	0.45	
For >100 To 200, Add	0.25	
For >200 To 500, Add	0.10	
03 21 11 00-0011 LF #4, Grade 60, Beams And Girders, Steel Reinforcement Bar.....	1.16	
For Up To 100, Add	0.78	
For >100 To 200, Add	0.42	
For >200 To 500, Add	0.17	
03 21 11 00-0012 LF #5, Grade 60, Beams And Girders, Steel Reinforcement Bar.....	1.74	
For Up To 100, Add	1.18	
For >100 To 200, Add	0.64	
For >200 To 500, Add	0.26	
03 21 11 00-0013 LF #6, Grade 60, Beams And Girders, Steel Reinforcement Bar.....	2.41	
For Up To 100, Add	1.67	
For >100 To 200, Add	0.90	
For >200 To 500, Add	0.36	
03 21 11 00-0014 LF #7, Grade 60, Beams And Girders, Steel Reinforcement Bar.....	3.11	
For Up To 100, Add	1.72	
For >100 To 200, Add	1.02	
For >200 To 400, Add	0.47	
03 21 11 00-0015 LF #8, Grade 60, Beams And Girders, Steel Reinforcement Bar.....	3.87	
For Up To 100, Add	2.19	
For >100 To 200, Add	1.28	
For >200 To 400, Add	0.60	
03 21 11 00-0016 LF #9, Grade 60, Beams And Girders, Steel Reinforcement Bar.....	4.75	
For Up To 100, Add	2.72	
For >100 To 200, Add	1.59	
For >200 To 400, Add	0.74	
03 21 11 00-0017 LF #10, Grade 60, Beams And Girders, Steel Reinforcement Bar.....	5.78	
For Up To 100, Add	2.74	
For >100 To 200, Add	1.49	
For >200 To 300, Add	0.75	
03 21 11 00-0018 LF #11, Grade 60, Beams And Girders, Steel Reinforcement Bar.....	6.86	
For Up To 100, Add	3.30	
For >100 To 200, Add	1.79	
For >200 To 300, Add	0.89	
03 21 11 00-0019 LF #14, Grade 60, Beams And Girders, Steel Reinforcement Bar.....	9.49	
For Up To 100, Add	4.63	
For >100 To 200, Add	2.49	
For >200 To 300, Add	1.25	
03 21 11 00-0020 LF #18, Grade 60, Beams And Girders, Steel Reinforcement Bar.....	16.17	
For Up To 100, Add	8.03	
For >100 To 200, Add	4.29	
For >200 To 300, Add	2.15	
03 21 11 00-0021 LF #6, Grade 75, Beams And Girders, Steel Reinforcement Bar.....	2.49	
For Up To 100, Add	1.75	
For >100 To 200, Add	0.94	
For >200 To 500, Add	0.37	
03 21 11 00-0022 LF #7, Grade 75, Beams And Girders, Steel Reinforcement Bar.....	3.22	
For Up To 100, Add	1.81	
For >100 To 200, Add	1.06	
For >200 To 400, Add	0.49	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0023	LF	#8, Grade 75, Beams And Girders, Steel Reinforcement Bar	.....	4.01	
		For Up To 100, Add		2.29	
		For >100 To 200, Add		1.34	
		For >200 To 400, Add		0.62	
03 21 11 00-0024	LF	#9, Grade 75, Beams And Girders, Steel Reinforcement Bar	.....	4.92	
		For Up To 100, Add		2.85	
		For >100 To 200, Add		1.65	
		For >200 To 400, Add		0.77	
03 21 11 00-0025	LF	#10, Grade 75, Beams And Girders, Steel Reinforcement Bar	.....	6.00	
		For Up To 100, Add		2.87	
		For >100 To 200, Add		1.56	
		For >200 To 300, Add		0.78	
03 21 11 00-0026	LF	#11, Grade 75, Beams And Girders, Steel Reinforcement Bar	.....	7.14	
		For Up To 100, Add		3.47	
		For >100 To 200, Add		1.87	
		For >200 To 300, Add		0.93	
03 21 11 00-0027	LF	#14, Grade 75, Beams And Girders, Steel Reinforcement Bar	.....	9.89	
		For Up To 100, Add		4.87	
		For >100 To 200, Add		2.61	
		For >200 To 300, Add		1.31	
03 21 11 00-0028	LF	#18, Grade 75, Beams And Girders, Steel Reinforcement Bar	.....	16.87	
		For Up To 100, Add		8.45	
		For >100 To 200, Add		4.50	
		For >200 To 300, Add		2.25	
03 21 11 00-0029	LF	#3, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	.....	0.71	
		For Up To 100, Add		0.47	
		For >100 To 200, Add		0.26	
		For >200 To 500, Add		0.10	
03 21 11 00-0030	LF	#4, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	.....	1.19	
		For Up To 100, Add		0.81	
		For >100 To 200, Add		0.44	
		For >200 To 500, Add		0.17	
03 21 11 00-0031	LF	#5, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	.....	1.78	
		For Up To 100, Add		1.22	
		For >100 To 200, Add		0.66	
		For >200 To 500, Add		0.26	
03 21 11 00-0032	LF	#6, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	.....	2.47	
		For Up To 100, Add		1.73	
		For >100 To 200, Add		0.93	
		For >200 To 500, Add		0.37	
03 21 11 00-0033	LF	#7, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	.....	3.19	
		For Up To 100, Add		1.78	
		For >100 To 200, Add		1.05	
		For >200 To 400, Add		0.49	
03 21 11 00-0034	LF	#8, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	.....	3.97	
		For Up To 100, Add		2.26	
		For >100 To 200, Add		1.32	
		For >200 To 400, Add		0.62	
03 21 11 00-0035	LF	#9, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	.....	4.88	
		For Up To 100, Add		2.82	
		For >100 To 200, Add		1.64	
		For >200 To 400, Add		0.77	
03 21 11 00-0036	LF	#10, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	.....	5.94	
		For Up To 100, Add		2.84	
		For >100 To 200, Add		1.54	
		For >200 To 300, Add		0.77	
03 21 11 00-0037	LF	#11, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	.....	7.07	
		For Up To 100, Add		3.42	
		For >100 To 200, Add		1.85	
		For >200 To 300, Add		0.92	
03 21 11 00-0038	LF	#14, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	.....	9.79	
		For Up To 100, Add		4.81	
		For >100 To 200, Add		2.58	
		For >200 To 300, Add		1.29	
03 21 11 00-0039	LF	#18, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	.....	16.70	
		For Up To 100, Add		8.34	
		For >100 To 200, Add		4.45	
		For >200 To 300, Add		2.23	
03 21 11 00-0040		<b>Columns, Steel Reinforcement Bar</b> <small>(03 21 11)</small>			
		Note: ASTM A-615 Plain Steel and A-706 Low Alloy Steel.			
03 21 11 00-0041	LF	#3, Grade 40, Columns, Steel Reinforcement Bar	.....	0.69	
		For Up To 100, Add		0.43	
		For >100 To 200, Add		0.24	
		For >200 To 500, Add		0.10	
03 21 11 00-0042	LF	#4, Grade 40, Columns, Steel Reinforcement Bar	.....	1.18	
		For Up To 100, Add		0.75	
		For >100 To 200, Add		0.41	
		For >200 To 500, Add		0.16	
03 21 11 00-0043	LF	#5, Grade 40, Columns, Steel Reinforcement Bar	.....	1.74	
		For Up To 100, Add		1.13	
		For >100 To 200, Add		0.62	
		For >200 To 500, Add		0.25	



<b>Concrete</b>	<b>03</b>	<b>03</b>
<b>Concrete Reinforcing</b>	<b>03 20</b>	
<b>Reinforcement Bars</b>	<b>03 21</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0044 LF #6, Grade 40, Columns, Steel Reinforcement Bar.....	2.40	
For Up To 100, Add	1.58	
For >100 To 200, Add	0.86	
For >200 To 500, Add	0.34	
03 21 11 00-0045 LF #3, Grade 50, Columns, Steel Reinforcement Bar.....	0.70	
For Up To 100, Add	0.44	
For >100 To 200, Add	0.24	
For >200 To 500, Add	0.10	
03 21 11 00-0046 LF #4, Grade 50, Columns, Steel Reinforcement Bar.....	1.20	
For Up To 100, Add	0.77	
For >100 To 200, Add	0.42	
For >200 To 500, Add	0.17	
03 21 11 00-0047 LF #5, Grade 50, Columns, Steel Reinforcement Bar.....	1.78	
For Up To 100, Add	1.17	
For >100 To 200, Add	0.64	
For >200 To 500, Add	0.25	
03 21 11 00-0048 LF #6, Grade 50, Columns, Steel Reinforcement Bar.....	2.45	
For Up To 100, Add	1.63	
For >100 To 200, Add	0.89	
For >200 To 500, Add	0.35	
03 21 11 00-0049 LF #3, Grade 60, Columns, Steel Reinforcement Bar.....	0.72	
For Up To 100, Add	0.46	
For >100 To 200, Add	0.25	
For >200 To 500, Add	0.10	
03 21 11 00-0050 LF #4, Grade 60, Columns, Steel Reinforcement Bar.....	1.24	
For Up To 100, Add	0.81	
For >100 To 200, Add	0.44	
For >200 To 500, Add	0.18	
03 21 11 00-0051 LF #5, Grade 60, Columns, Steel Reinforcement Bar.....	1.83	
For Up To 100, Add	1.22	
For >100 To 200, Add	0.66	
For >200 To 500, Add	0.26	
03 21 11 00-0052 LF #6, Grade 60, Columns, Steel Reinforcement Bar.....	2.53	
For Up To 100, Add	1.71	
For >100 To 200, Add	0.93	
For >200 To 500, Add	0.37	
03 21 11 00-0053 LF #7, Grade 60, Columns, Steel Reinforcement Bar.....	3.27	
For Up To 100, Add	1.78	
For >100 To 200, Add	1.06	
For >200 To 400, Add	0.49	
03 21 11 00-0054 LF #8, Grade 60, Columns, Steel Reinforcement Bar.....	4.04	
For Up To 100, Add	2.25	
For >100 To 200, Add	1.32	
For >200 To 400, Add	0.61	
03 21 11 00-0055 LF #9, Grade 60, Columns, Steel Reinforcement Bar.....	4.95	
For Up To 100, Add	2.79	
For >100 To 200, Add	1.64	
For >200 To 400, Add	0.76	
03 21 11 00-0056 LF #10, Grade 60, Columns, Steel Reinforcement Bar.....	6.02	
For Up To 100, Add	2.81	
For >100 To 200, Add	1.54	
For >200 To 300, Add	0.77	
03 21 11 00-0057 LF #11, Grade 60, Columns, Steel Reinforcement Bar.....	7.13	
For Up To 100, Add	3.38	
For >100 To 200, Add	1.84	
For >200 To 300, Add	0.92	
03 21 11 00-0058 LF #14, Grade 60, Columns, Steel Reinforcement Bar.....	9.85	
For Up To 100, Add	4.74	
For >100 To 200, Add	2.57	
For >200 To 300, Add	1.28	
03 21 11 00-0059 LF #18, Grade 60, Columns, Steel Reinforcement Bar.....	16.73	
For Up To 100, Add	8.19	
For >100 To 200, Add	4.40	
For >200 To 300, Add	2.20	
03 21 11 00-0060 LF #6, Grade 75, Columns, Steel Reinforcement Bar.....	2.61	
For Up To 100, Add	1.79	
For >100 To 200, Add	0.97	
For >200 To 500, Add	0.39	
03 21 11 00-0061 LF #7, Grade 75, Columns, Steel Reinforcement Bar.....	3.38	
For Up To 100, Add	1.86	
For >100 To 200, Add	1.10	
For >200 To 400, Add	0.51	
03 21 11 00-0062 LF #8, Grade 75, Columns, Steel Reinforcement Bar.....	4.18	
For Up To 100, Add	2.35	
For >100 To 200, Add	1.38	
For >200 To 400, Add	0.64	
03 21 11 00-0063 LF #9, Grade 75, Columns, Steel Reinforcement Bar.....	5.12	
For Up To 100, Add	2.92	
For >100 To 200, Add	1.70	
For >200 To 400, Add	0.79	
03 21 11 00-0064 LF #10, Grade 75, Columns, Steel Reinforcement Bar.....	6.24	
For Up To 100, Add	2.94	
For >100 To 200, Add	1.61	
For >200 To 300, Add	0.80	

<b>03</b>	<b>Concrete</b>
<b>03 20</b>	<b>Concrete Reinforcing</b>
<b>03 21</b>	<b>Reinforcement Bars</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0065	LF		#11, Grade 75, Columns, Steel Reinforcement Bar .....	7.41	
			<i>For Up To 100, Add</i>	3.55	
			<i>For &gt;100 To 200, Add</i>	1.92	
			<i>For &gt;200 To 300, Add</i>	0.96	
03 21 11 00-0066	LF		#14, Grade 75, Columns, Steel Reinforcement Bar .....	10.25	
			<i>For Up To 100, Add</i>	4.98	
			<i>For &gt;100 To 200, Add</i>	2.69	
			<i>For &gt;200 To 300, Add</i>	1.34	
03 21 11 00-0067	LF		#18, Grade 75, Columns, Steel Reinforcement Bar .....	17.43	
			<i>For Up To 100, Add</i>	8.61	
			<i>For &gt;100 To 200, Add</i>	4.61	
			<i>For &gt;200 To 300, Add</i>	2.31	
03 21 11 00-0068	LF		#3, Grade 60, Columns, Low Alloy Steel Reinforcement Bar .....	0.74	
			<i>For Up To 100, Add</i>	0.48	
			<i>For &gt;100 To 200, Add</i>	0.26	
			<i>For &gt;200 To 500, Add</i>	0.11	
03 21 11 00-0069	LF		#4, Grade 60, Columns, Low Alloy Steel Reinforcement Bar .....	1.27	
			<i>For Up To 100, Add</i>	0.84	
			<i>For &gt;100 To 200, Add</i>	0.46	
			<i>For &gt;200 To 500, Add</i>	0.18	
03 21 11 00-0070	LF		#5, Grade 60, Columns, Low Alloy Steel Reinforcement Bar .....	1.87	
			<i>For Up To 100, Add</i>	1.26	
			<i>For &gt;100 To 200, Add</i>	0.68	
			<i>For &gt;200 To 500, Add</i>	0.27	
03 21 11 00-0071	LF		#6, Grade 60, Columns, Low Alloy Steel Reinforcement Bar .....	2.59	
			<i>For Up To 100, Add</i>	1.77	
			<i>For &gt;100 To 200, Add</i>	0.96	
			<i>For &gt;200 To 500, Add</i>	0.38	
03 21 11 00-0072	LF		#7, Grade 60, Columns, Low Alloy Steel Reinforcement Bar .....	3.35	
			<i>For Up To 100, Add</i>	1.84	
			<i>For &gt;100 To 200, Add</i>	1.09	
			<i>For &gt;200 To 400, Add</i>	0.50	
03 21 11 00-0073	LF		#8, Grade 60, Columns, Low Alloy Steel Reinforcement Bar .....	4.14	
			<i>For Up To 100, Add</i>	2.32	
			<i>For &gt;100 To 200, Add</i>	1.36	
			<i>For &gt;200 To 400, Add</i>	0.63	
03 21 11 00-0074	LF		#9, Grade 60, Columns, Low Alloy Steel Reinforcement Bar .....	5.08	
			<i>For Up To 100, Add</i>	2.89	
			<i>For &gt;100 To 200, Add</i>	1.69	
			<i>For &gt;200 To 400, Add</i>	0.79	
03 21 11 00-0075	LF		#10, Grade 60, Columns, Low Alloy Steel Reinforcement Bar .....	6.18	
			<i>For Up To 100, Add</i>	2.91	
			<i>For &gt;100 To 200, Add</i>	1.59	
			<i>For &gt;200 To 300, Add</i>	0.79	
03 21 11 00-0076	LF		#11, Grade 60, Columns, Low Alloy Steel Reinforcement Bar .....	7.34	
			<i>For Up To 100, Add</i>	3.50	
			<i>For &gt;100 To 200, Add</i>	1.90	
			<i>For &gt;200 To 300, Add</i>	0.95	
03 21 11 00-0077	LF		#14, Grade 60, Columns, Low Alloy Steel Reinforcement Bar .....	10.15	
			<i>For Up To 100, Add</i>	4.92	
			<i>For &gt;100 To 200, Add</i>	2.66	
			<i>For &gt;200 To 300, Add</i>	1.33	
03 21 11 00-0078	LF		#18, Grade 60, Columns, Low Alloy Steel Reinforcement Bar .....	17.26	
			<i>For Up To 100, Add</i>	8.51	
			<i>For &gt;100 To 200, Add</i>	4.56	
			<i>For &gt;200 To 300, Add</i>	2.28	
03 21 11 00-0079			<b>Footings, Steel Reinforcement Bar</b> <small>(03 21 11)</small>		
			Note: ASTM A-615 Plain Steel and A-706 Low Alloy Steel.		
03 21 11 00-0080	LF		#3, Grade 40, Footings, Steel Reinforcement Bar .....	0.60	
			<i>For Up To 100, Add</i>	0.40	
			<i>For &gt;100 To 200, Add</i>	0.22	
			<i>For &gt;200 To 500, Add</i>	0.09	
03 21 11 00-0081	LF		#4, Grade 40, Footings, Steel Reinforcement Bar .....	1.01	
			<i>For Up To 100, Add</i>	0.68	
			<i>For &gt;100 To 200, Add</i>	0.37	
			<i>For &gt;200 To 500, Add</i>	0.15	
03 21 11 00-0082	LF		#5, Grade 40, Footings, Steel Reinforcement Bar .....	1.52	
			<i>For Up To 100, Add</i>	1.04	
			<i>For &gt;100 To 200, Add</i>	0.56	
			<i>For &gt;200 To 500, Add</i>	0.22	
03 21 11 00-0083	LF		#6, Grade 40, Footings, Steel Reinforcement Bar .....	2.09	
			<i>For Up To 100, Add</i>	1.46	
			<i>For &gt;100 To 200, Add</i>	0.78	
			<i>For &gt;200 To 500, Add</i>	0.31	
03 21 11 00-0084	LF		#3, Grade 50, Footings, Steel Reinforcement Bar .....	0.61	
			<i>For Up To 100, Add</i>	0.41	
			<i>For &gt;100 To 200, Add</i>	0.22	
			<i>For &gt;200 To 500, Add</i>	0.09	
03 21 11 00-0085	LF		#4, Grade 50, Footings, Steel Reinforcement Bar .....	1.03	
			<i>For Up To 100, Add</i>	0.70	
			<i>For &gt;100 To 200, Add</i>	0.38	
			<i>For &gt;200 To 500, Add</i>	0.15	





<b>Concrete</b>	<b>03</b>	<b>03</b>
<b>Concrete Reinforcing</b>	<b>03 20</b>	
<b>Reinforcement Bars</b>	<b>03 21</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0086 LF #5, Grade 50, Footings, Steel Reinforcement Bar .....	1.56	
For Up To 100, Add	1.08	
For >100 To 200, Add	0.58	
For >200 To 500, Add	0.23	
03 21 11 00-0087 LF #6, Grade 50, Footings, Steel Reinforcement Bar .....	2.14	
For Up To 100, Add	1.51	
For >100 To 200, Add	0.81	
For >200 To 500, Add	0.32	
03 21 11 00-0088 LF #3, Grade 60, Footings, Steel Reinforcement Bar .....	0.63	
For Up To 100, Add	0.43	
For >100 To 200, Add	0.23	
For >200 To 500, Add	0.09	
03 21 11 00-0089 LF #4, Grade 60, Footings, Steel Reinforcement Bar .....	1.07	
For Up To 100, Add	0.74	
For >100 To 200, Add	0.40	
For >200 To 500, Add	0.16	
03 21 11 00-0090 LF #5, Grade 60, Footings, Steel Reinforcement Bar .....	1.61	
For Up To 100, Add	1.13	
For >100 To 200, Add	0.61	
For >200 To 500, Add	0.24	
03 21 11 00-0091 LF #6, Grade 60, Footings, Steel Reinforcement Bar .....	2.22	
For Up To 100, Add	1.59	
For >100 To 200, Add	0.85	
For >200 To 500, Add	0.34	
03 21 11 00-0092 LF #7, Grade 60, Footings, Steel Reinforcement Bar .....	2.89	
For Up To 100, Add	1.65	
For >100 To 200, Add	0.96	
For >200 To 400, Add	0.45	
03 21 11 00-0093 LF #8, Grade 60, Footings, Steel Reinforcement Bar .....	3.60	
For Up To 100, Add	2.09	
For >100 To 200, Add	1.21	
For >200 To 400, Add	0.57	
03 21 11 00-0094 LF #9, Grade 60, Footings, Steel Reinforcement Bar .....	4.43	
For Up To 100, Add	2.61	
For >100 To 200, Add	1.51	
For >200 To 400, Add	0.71	
03 21 11 00-0095 LF #10, Grade 60, Footings, Steel Reinforcement Bar .....	5.42	
For Up To 100, Add	3.24	
For >100 To 200, Add	1.86	
For >200 To 400, Add	0.88	
For Up To 100, Add	2.63	
For >100 To 200, Add	1.42	
For >200 To 300, Add	0.71	
03 21 11 00-0096 LF #11, Grade 60, Footings, Steel Reinforcement Bar .....	6.45	
For Up To 100, Add	3.91	
For >100 To 200, Add	2.23	
For >200 To 400, Add	1.06	
For Up To 100, Add	3.17	
For >100 To 200, Add	1.70	
For >200 To 300, Add	0.85	
03 21 11 00-0097 LF #14, Grade 60, Footings, Steel Reinforcement Bar .....	8.96	
For Up To 100, Add	5.52	
For >100 To 200, Add	3.13	
For >200 To 400, Add	1.49	
For Up To 100, Add	4.47	
For >100 To 200, Add	2.39	
For >200 To 300, Add	1.19	
03 21 11 00-0098 LF #18, Grade 60, Footings, Steel Reinforcement Bar .....	15.32	
For Up To 100, Add	9.59	
For >100 To 200, Add	5.42	
For >200 To 400, Add	2.59	
For Up To 100, Add	7.77	
For >100 To 200, Add	4.12	
For >200 To 300, Add	2.06	
03 21 11 00-0099 LF #6, Grade 75, Footings, Steel Reinforcement Bar .....	2.30	
For Up To 100, Add	1.67	
For >100 To 200, Add	0.89	
For >200 To 500, Add	0.36	
For Up To 100, Add	1.31	
For >100 To 200, Add	0.76	
For >200 To 400, Add	0.36	
03 21 11 00-0100 LF #7, Grade 75, Footings, Steel Reinforcement Bar .....	3.00	
For Up To 100, Add	1.73	
For >100 To 200, Add	1.01	
For >200 To 400, Add	0.47	
03 21 11 00-0101 LF #8, Grade 75, Footings, Steel Reinforcement Bar .....	3.74	
For Up To 100, Add	2.20	
For >100 To 200, Add	1.27	
For >200 To 400, Add	0.60	
03 21 11 00-0102 LF #9, Grade 75, Footings, Steel Reinforcement Bar .....	4.60	
For Up To 100, Add	2.74	
For >100 To 200, Add	1.57	
For >200 To 400, Add	0.74	
03 21 11 00-0103 LF #10, Grade 75, Footings, Steel Reinforcement Bar .....	5.64	
For Up To 100, Add	2.76	
For >100 To 200, Add	1.49	
For >200 To 300, Add	0.74	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0104	LF		#11, Grade 75, Footings, Steel Reinforcement Bar .....	6.73	
			For Up To 100, Add	3.34	
			For >100 To 200, Add	1.79	
			For >200 To 300, Add	0.89	
03 21 11 00-0105	LF		#14, Grade 75, Footings, Steel Reinforcement Bar .....	9.36	
			For Up To 100, Add	4.71	
			For >100 To 200, Add	2.51	
			For >200 To 300, Add	1.25	
03 21 11 00-0106	LF		#18, Grade 75, Footings, Steel Reinforcement Bar .....	16.02	
			For Up To 100, Add	8.19	
			For >100 To 200, Add	4.33	
			For >200 To 300, Add	2.17	
03 21 11 00-0107	LF		#3, Grade 60, Footings, Low Alloy Steel Reinforcement Bar .....	0.65	
			For Up To 100, Add	0.45	
			For >100 To 200, Add	0.24	
			For >200 To 500, Add	0.10	
03 21 11 00-0108	LF		#4, Grade 60, Footings, Low Alloy Steel Reinforcement Bar .....	1.10	
			For Up To 100, Add	0.77	
			For >100 To 200, Add	0.41	
			For >200 To 500, Add	0.17	
03 21 11 00-0109	LF		#5, Grade 60, Footings, Low Alloy Steel Reinforcement Bar .....	1.65	
			For Up To 100, Add	1.17	
			For >100 To 200, Add	0.63	
			For >200 To 500, Add	0.25	
03 21 11 00-0110	LF		#6, Grade 60, Footings, Low Alloy Steel Reinforcement Bar .....	2.28	
			For Up To 100, Add	1.65	
			For >100 To 200, Add	0.88	
			For >200 To 500, Add	0.35	
03 21 11 00-0111	LF		#7, Grade 60, Footings, Low Alloy Steel Reinforcement Bar .....	2.97	
			For Up To 100, Add	1.71	
			For >100 To 200, Add	0.99	
			For >200 To 400, Add	0.46	
03 21 11 00-0112	LF		#8, Grade 60, Footings, Low Alloy Steel Reinforcement Bar .....	3.70	
			For Up To 100, Add	2.17	
			For >100 To 200, Add	1.25	
			For >200 To 400, Add	0.59	
03 21 11 00-0113	LF		#9, Grade 60, Footings, Low Alloy Steel Reinforcement Bar .....	4.56	
			For Up To 100, Add	2.71	
			For >100 To 200, Add	1.56	
			For >200 To 400, Add	0.73	
03 21 11 00-0114	LF		#10, Grade 60, Footings, Low Alloy Steel Reinforcement Bar .....	5.58	
			For Up To 100, Add	2.73	
			For >100 To 200, Add	1.47	
			For >200 To 300, Add	0.73	
03 21 11 00-0115	LF		#11, Grade 60, Footings, Low Alloy Steel Reinforcement Bar .....	6.66	
			For Up To 100, Add	3.30	
			For >100 To 200, Add	1.77	
			For >200 To 300, Add	0.88	
03 21 11 00-0116	LF		#14, Grade 60, Footings, Low Alloy Steel Reinforcement Bar .....	9.26	
			For Up To 100, Add	4.65	
			For >100 To 200, Add	2.48	
			For >200 To 300, Add	1.24	
03 21 11 00-0117	LF		#18, Grade 60, Footings, Low Alloy Steel Reinforcement Bar .....	15.85	
			For Up To 100, Add	8.09	
			For >100 To 200, Add	4.28	
			For >200 To 300, Add	2.14	
03 21 11 00-0118			<b>Slab On Grade, Steel Reinforcement Bar</b> <small>(03 21 11)</small>		
			Note: ASTM A-615 Plain Steel and A-706 Low Alloy Steel.		
03 21 11 00-0119	LF		#3, Grade 40, Slab On Grade, Steel Reinforcement Bar .....	0.58	
			For Up To 100, Add	0.39	
			For >100 To 200, Add	0.21	
			For >200 To 500, Add	0.08	
03 21 11 00-0120	LF		#4, Grade 40, Slab On Grade, Steel Reinforcement Bar .....	0.98	
			For Up To 100, Add	0.67	
			For >100 To 200, Add	0.36	
			For >200 To 500, Add	0.14	
03 21 11 00-0121	LF		#5, Grade 40, Slab On Grade, Steel Reinforcement Bar .....	1.47	
			For Up To 100, Add	1.02	
			For >100 To 200, Add	0.55	
			For >200 To 500, Add	0.22	
03 21 11 00-0122	LF		#6, Grade 40, Slab On Grade, Steel Reinforcement Bar .....	2.02	
			For Up To 100, Add	1.43	
			For >100 To 200, Add	0.77	
			For >200 To 500, Add	0.31	
03 21 11 00-0123	LF		#3, Grade 50, Slab On Grade, Steel Reinforcement Bar .....	0.59	
			For Up To 100, Add	0.40	
			For >100 To 200, Add	0.22	
			For >200 To 500, Add	0.09	
03 21 11 00-0124	LF		#4, Grade 50, Slab On Grade, Steel Reinforcement Bar .....	1.00	
			For Up To 100, Add	0.69	
			For >100 To 200, Add	0.37	
			For >200 To 500, Add	0.15	



<b>Concrete</b>	<b>03</b>	<b>03</b>
<b>Concrete Reinforcing</b>	<b>03 20</b>	
<b>Reinforcement Bars</b>	<b>03 21</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0125 LF #5, Grade 50, Slab On Grade, Steel Reinforcement Bar .....	1.51	
For Up To 100, Add	1.06	
For >100 To 200, Add	0.57	
For >200 To 500, Add	0.23	
03 21 11 00-0126 LF #6, Grade 50, Slab On Grade, Steel Reinforcement Bar .....	2.07	
For Up To 100, Add	1.48	
For >100 To 200, Add	0.79	
For >200 To 500, Add	0.32	
03 21 11 00-0127 LF #3, Grade 60, Slab On Grade, Steel Reinforcement Bar .....	0.61	
For Up To 100, Add	0.42	
For >100 To 200, Add	0.23	
For >200 To 500, Add	0.09	
03 21 11 00-0128 LF #4, Grade 60, Slab On Grade, Steel Reinforcement Bar .....	1.04	
For Up To 100, Add	0.73	
For >100 To 200, Add	0.39	
For >200 To 500, Add	0.16	
03 21 11 00-0129 LF #5, Grade 60, Slab On Grade, Steel Reinforcement Bar .....	1.56	
For Up To 100, Add	1.11	
For >100 To 200, Add	0.59	
For >200 To 500, Add	0.24	
03 21 11 00-0130 LF #6, Grade 60, Slab On Grade, Steel Reinforcement Bar .....	2.15	
For Up To 100, Add	1.56	
For >100 To 200, Add	0.83	
For >200 To 500, Add	0.33	
03 21 11 00-0131 LF #7, Grade 60, Slab On Grade, Steel Reinforcement Bar .....	2.82	
For Up To 100, Add	1.62	
For >100 To 200, Add	0.94	
For >200 To 400, Add	0.44	
03 21 11 00-0132 LF #8, Grade 60, Slab On Grade, Steel Reinforcement Bar .....	3.51	
For Up To 100, Add	2.06	
For >100 To 200, Add	1.19	
For >200 To 400, Add	0.56	
03 21 11 00-0133 LF #9, Grade 60, Slab On Grade, Steel Reinforcement Bar .....	4.33	
For Up To 100, Add	2.58	
For >100 To 200, Add	1.48	
For >200 To 400, Add	0.70	
03 21 11 00-0134 LF #10, Grade 60, Slab On Grade, Steel Reinforcement Bar .....	5.29	
For Up To 100, Add	2.59	
For >100 To 200, Add	1.39	
For >200 To 300, Add	0.70	
03 21 11 00-0135 LF #11, Grade 60, Slab On Grade, Steel Reinforcement Bar .....	6.32	
For Up To 100, Add	3.14	
For >100 To 200, Add	1.68	
For >200 To 300, Add	0.84	
03 21 11 00-0136 LF #14, Grade 60, Slab On Grade, Steel Reinforcement Bar .....	8.77	
For Up To 100, Add	4.42	
For >100 To 200, Add	2.35	
For >200 To 300, Add	1.17	
03 21 11 00-0137 LF #18, Grade 60, Slab On Grade, Steel Reinforcement Bar .....	15.05	
For Up To 100, Add	7.69	
For >100 To 200, Add	4.07	
For >200 To 300, Add	2.03	
03 21 11 00-0138 LF #6, Grade 75, Slab On Grade, Steel Reinforcement Bar .....	2.23	
For Up To 100, Add	1.64	
For >100 To 200, Add	0.87	
For >200 To 500, Add	0.35	
03 21 11 00-0139 LF #7, Grade 75, Slab On Grade, Steel Reinforcement Bar .....	2.93	
For Up To 100, Add	1.71	
For >100 To 200, Add	0.99	
For >200 To 400, Add	0.46	
03 21 11 00-0140 LF #8, Grade 75, Slab On Grade, Steel Reinforcement Bar .....	3.65	
For Up To 100, Add	2.17	
For >100 To 200, Add	1.25	
For >200 To 400, Add	0.59	
03 21 11 00-0141 LF #9, Grade 75, Slab On Grade, Steel Reinforcement Bar .....	4.50	
For Up To 100, Add	2.70	
For >100 To 200, Add	1.55	
For >200 To 400, Add	0.73	
03 21 11 00-0142 LF #10, Grade 75, Slab On Grade, Steel Reinforcement Bar .....	5.51	
For Up To 100, Add	2.72	
For >100 To 200, Add	1.46	
For >200 To 300, Add	0.73	
03 21 11 00-0143 LF #11, Grade 75, Slab On Grade, Steel Reinforcement Bar .....	6.60	
For Up To 100, Add	3.30	
For >100 To 200, Add	1.76	
For >200 To 300, Add	0.88	
03 21 11 00-0144 LF #14, Grade 75, Slab On Grade, Steel Reinforcement Bar .....	9.17	
For Up To 100, Add	4.66	
For >100 To 200, Add	2.47	
For >200 To 300, Add	1.23	
03 21 11 00-0145 LF #18, Grade 75, Slab On Grade, Steel Reinforcement Bar .....	15.75	
For Up To 100, Add	8.11	
For >100 To 200, Add	4.28	
For >200 To 300, Add	2.14	

<b>03</b>	<b>Concrete</b>
<b>03 20</b>	<b>Concrete Reinforcing</b>
<b>03 21</b>	<b>Reinforcement Bars</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0146	LF	#3, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	.....	0.63	
		For Up To 100, Add		0.44	
		For >100 To 200, Add		0.24	
		For >200 To 500, Add		0.09	
03 21 11 00-0147	LF	#4, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	.....	1.07	
		For Up To 100, Add		0.76	
		For >100 To 200, Add		0.41	
		For >200 To 500, Add		0.16	
03 21 11 00-0148	LF	#5, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	.....	1.60	
		For Up To 100, Add		1.15	
		For >100 To 200, Add		0.61	
		For >200 To 500, Add		0.25	
03 21 11 00-0149	LF	#6, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	.....	2.21	
		For Up To 100, Add		1.62	
		For >100 To 200, Add		0.86	
		For >200 To 500, Add		0.34	
03 21 11 00-0150	LF	#7, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	.....	2.90	
		For Up To 100, Add		1.68	
		For >100 To 200, Add		0.98	
		For >200 To 400, Add		0.46	
03 21 11 00-0151	LF	#8, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	.....	3.61	
		For Up To 100, Add		2.14	
		For >100 To 200, Add		1.23	
		For >200 To 400, Add		0.58	
03 21 11 00-0152	LF	#9, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	.....	4.46	
		For Up To 100, Add		2.67	
		For >100 To 200, Add		1.53	
		For >200 To 400, Add		0.72	
03 21 11 00-0153	LF	#10, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	.....	5.45	
		For Up To 100, Add		2.69	
		For >100 To 200, Add		1.44	
		For >200 To 300, Add		0.72	
03 21 11 00-0154	LF	#11, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	.....	6.53	
		For Up To 100, Add		3.26	
		For >100 To 200, Add		1.74	
		For >200 To 300, Add		0.87	
03 21 11 00-0155	LF	#14, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	.....	9.07	
		For Up To 100, Add		4.60	
		For >100 To 200, Add		2.44	
		For >200 To 300, Add		1.22	
03 21 11 00-0156	LF	#18, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	.....	15.58	
		For Up To 100, Add		8.01	
		For >100 To 200, Add		4.23	
		For >200 To 300, Add		2.11	
<b>03 21 11 00-0157</b>		<b>Elevated Slabs, Steel Reinforcement Bar</b> <small>(03 21 11)</small>			
		Note: ASTM A-615 Plain Steel and A-706 Low Alloy Steel.			
03 21 11 00-0158	LF	#3, Grade 40, Elevated Slabs, Steel Reinforcement Bar	.....	0.54	
		For Up To 100, Add		0.37	
		For >100 To 200, Add		0.20	
		For >200 To 500, Add		0.08	
03 21 11 00-0159	LF	#4, Grade 40, Elevated Slabs, Steel Reinforcement Bar	.....	0.91	
		For Up To 100, Add		0.64	
		For >100 To 200, Add		0.34	
		For >200 To 500, Add		0.14	
03 21 11 00-0160	LF	#5, Grade 40, Elevated Slabs, Steel Reinforcement Bar	.....	1.37	
		For Up To 100, Add		0.98	
		For >100 To 200, Add		0.52	
		For >200 To 500, Add		0.21	
03 21 11 00-0161	LF	#6, Grade 40, Elevated Slabs, Steel Reinforcement Bar	.....	1.90	
		For Up To 100, Add		1.38	
		For >100 To 200, Add		0.74	
		For >200 To 500, Add		0.29	
03 21 11 00-0162	LF	#3, Grade 50, Elevated Slabs, Steel Reinforcement Bar	.....	0.55	
		For Up To 100, Add		0.38	
		For >100 To 200, Add		0.21	
		For >200 To 500, Add		0.08	
03 21 11 00-0163	LF	#4, Grade 50, Elevated Slabs, Steel Reinforcement Bar	.....	0.93	
		For Up To 100, Add		0.66	
		For >100 To 200, Add		0.35	
		For >200 To 500, Add		0.14	
03 21 11 00-0164	LF	#5, Grade 50, Elevated Slabs, Steel Reinforcement Bar	.....	1.41	
		For Up To 100, Add		1.02	
		For >100 To 200, Add		0.54	
		For >200 To 500, Add		0.22	
03 21 11 00-0165	LF	#6, Grade 50, Elevated Slabs, Steel Reinforcement Bar	.....	1.95	
		For Up To 100, Add		1.43	
		For >100 To 200, Add		0.76	
		For >200 To 500, Add		0.30	
03 21 11 00-0166	LF	#3, Grade 60, Elevated Slabs, Steel Reinforcement Bar	.....	0.57	
		For Up To 100, Add		0.40	
		For >100 To 200, Add		0.22	
		For >200 To 500, Add		0.09	



<b>Concrete</b>	<b>03</b>	<b>03</b>
<b>Concrete Reinforcing</b>	<b>03 20</b>	
<b>Reinforcement Bars</b>	<b>03 21</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0167 LF #4, Grade 60, Elevated Slabs, Steel Reinforcement Bar .....	0.97	
For Up To 100, Add	0.70	
For >100 To 200, Add	0.37	
For >200 To 500, Add	0.15	
03 21 11 00-0168 LF #5, Grade 60, Elevated Slabs, Steel Reinforcement Bar .....	1.46	
For Up To 100, Add	1.07	
For >100 To 200, Add	0.57	
For >200 To 500, Add	0.23	
03 21 11 00-0169 LF #6, Grade 60, Elevated Slabs, Steel Reinforcement Bar .....	2.03	
For Up To 100, Add	1.51	
For >100 To 200, Add	0.80	
For >200 To 500, Add	0.32	
03 21 11 00-0170 LF #7, Grade 60, Elevated Slabs, Steel Reinforcement Bar .....	2.66	
For Up To 100, Add	1.57	
For >100 To 200, Add	0.90	
For >200 To 400, Add	0.43	
03 21 11 00-0171 LF #8, Grade 60, Elevated Slabs, Steel Reinforcement Bar .....	3.33	
For Up To 100, Add	2.00	
For >100 To 200, Add	1.14	
For >200 To 400, Add	0.54	
03 21 11 00-0172 LF #9, Grade 60, Elevated Slabs, Steel Reinforcement Bar .....	4.12	
For Up To 100, Add	2.50	
For >100 To 200, Add	1.43	
For >200 To 400, Add	0.68	
03 21 11 00-0173 LF #10, Grade 60, Elevated Slabs, Steel Reinforcement Bar .....	5.06	
For Up To 100, Add	2.52	
For >100 To 200, Add	1.35	
For >200 To 300, Add	0.67	
03 21 11 00-0174 LF #11, Grade 60, Elevated Slabs, Steel Reinforcement Bar .....	6.04	
For Up To 100, Add	3.05	
For >100 To 200, Add	1.62	
For >200 To 300, Add	0.81	
03 21 11 00-0175 LF #14, Grade 60, Elevated Slabs, Steel Reinforcement Bar .....	8.42	
For Up To 100, Add	4.31	
For >100 To 200, Add	2.28	
For >200 To 300, Add	1.14	
03 21 11 00-0176 LF #18, Grade 60, Elevated Slabs, Steel Reinforcement Bar .....	14.50	
For Up To 100, Add	7.52	
For >100 To 200, Add	3.96	
For >200 To 300, Add	1.98	
03 21 11 00-0177 LF #6, Grade 75, Elevated Slabs, Steel Reinforcement Bar .....	2.11	
For Up To 100, Add	1.59	
For >100 To 200, Add	0.84	
For >200 To 500, Add	0.34	
03 21 11 00-0178 LF #7, Grade 75, Elevated Slabs, Steel Reinforcement Bar .....	2.77	
For Up To 100, Add	1.65	
For >100 To 200, Add	0.95	
For >200 To 400, Add	0.45	
03 21 11 00-0179 LF #8, Grade 75, Elevated Slabs, Steel Reinforcement Bar .....	3.47	
For Up To 100, Add	2.10	
For >100 To 200, Add	1.20	
For >200 To 400, Add	0.57	
03 21 11 00-0180 LF #9, Grade 75, Elevated Slabs, Steel Reinforcement Bar .....	4.29	
For Up To 100, Add	2.63	
For >100 To 200, Add	1.50	
For >200 To 400, Add	0.71	
03 21 11 00-0181 LF #10, Grade 75, Elevated Slabs, Steel Reinforcement Bar .....	5.28	
For Up To 100, Add	2.66	
For >100 To 200, Add	1.41	
For >200 To 300, Add	0.71	
03 21 11 00-0182 LF #11, Grade 75, Elevated Slabs, Steel Reinforcement Bar .....	6.32	
For Up To 100, Add	3.22	
For >100 To 200, Add	1.71	
For >200 To 300, Add	0.85	
03 21 11 00-0183 LF #14, Grade 75, Elevated Slabs, Steel Reinforcement Bar .....	8.82	
For Up To 100, Add	4.55	
For >100 To 200, Add	2.40	
For >200 To 300, Add	1.20	
03 21 11 00-0184 LF #18, Grade 75, Elevated Slabs, Steel Reinforcement Bar .....	15.20	
For Up To 100, Add	7.94	
For >100 To 200, Add	4.17	
For >200 To 300, Add	2.08	
03 21 11 00-0185 LF #3, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar .....	0.59	
For Up To 100, Add	0.42	
For >100 To 200, Add	0.23	
For >200 To 500, Add	0.09	
03 21 11 00-0186 LF #4, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar .....	1.00	
For Up To 100, Add	0.73	
For >100 To 200, Add	0.39	
For >200 To 500, Add	0.16	
03 21 11 00-0187 LF #5, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar .....	1.50	
For Up To 100, Add	1.11	
For >100 To 200, Add	0.59	
For >200 To 500, Add	0.24	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0188	LF		#6, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	2.09	
			For Up To 100, Add	1.57	
			For >100 To 200, Add	0.83	
			For >200 To 500, Add	0.33	
03 21 11 00-0189	LF		#7, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	2.74	
			For Up To 100, Add	1.63	
			For >100 To 200, Add	0.94	
			For >200 To 400, Add	0.44	
03 21 11 00-0190	LF		#8, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	3.43	
			For Up To 100, Add	2.07	
			For >100 To 200, Add	1.18	
			For >200 To 400, Add	0.56	
03 21 11 00-0191	LF		#9, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	4.25	
			For Up To 100, Add	2.60	
			For >100 To 200, Add	1.48	
			For >200 To 400, Add	0.70	
03 21 11 00-0192	LF		#10, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	5.22	
			For Up To 100, Add	2.62	
			For >100 To 200, Add	1.40	
			For >200 To 300, Add	0.70	
03 21 11 00-0193	LF		#11, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	6.25	
			For Up To 100, Add	3.18	
			For >100 To 200, Add	1.68	
			For >200 To 300, Add	0.84	
03 21 11 00-0194	LF		#14, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	8.72	
			For Up To 100, Add	4.49	
			For >100 To 200, Add	2.37	
			For >200 To 300, Add	1.18	
03 21 11 00-0195	LF		#18, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	15.03	
			For Up To 100, Add	7.84	
			For >100 To 200, Add	4.12	
			For >200 To 300, Add	2.06	
<b>03 21 11 00-0196</b>			<b>Walls, Steel Reinforcement Bar</b> <small>(03 21 11)</small>		
			Note: ASTM A-615 Plain Steel and A-706 Low Alloy Steel.		
03 21 11 00-0197	LF		#3, Grade 40, Walls, Steel Reinforcement Bar	0.52	
			For Up To 100, Add	0.36	
			For >100 To 200, Add	0.20	
			For >200 To 500, Add	0.08	
03 21 11 00-0198	LF		#4, Grade 40, Walls, Steel Reinforcement Bar	0.88	
			For Up To 100, Add	0.63	
			For >100 To 200, Add	0.34	
			For >200 To 500, Add	0.13	
03 21 11 00-0199	LF		#5, Grade 40, Walls, Steel Reinforcement Bar	1.32	
			For Up To 100, Add	0.96	
			For >100 To 200, Add	0.51	
			For >200 To 500, Add	0.20	
03 21 11 00-0200	LF		#6, Grade 40, Walls, Steel Reinforcement Bar	1.84	
			For Up To 100, Add	1.36	
			For >100 To 200, Add	0.72	
			For >200 To 500, Add	0.29	
03 21 11 00-0201	LF		#3, Grade 50, Walls, Steel Reinforcement Bar	0.53	
			For Up To 100, Add	0.37	
			For >100 To 200, Add	0.20	
			For >200 To 500, Add	0.08	
03 21 11 00-0202	LF		#4, Grade 50, Walls, Steel Reinforcement Bar	0.90	
			For Up To 100, Add	0.65	
			For >100 To 200, Add	0.35	
			For >200 To 500, Add	0.14	
03 21 11 00-0203	LF		#5, Grade 50, Walls, Steel Reinforcement Bar	1.36	
			For Up To 100, Add	1.00	
			For >100 To 200, Add	0.53	
			For >200 To 500, Add	0.21	
03 21 11 00-0204	LF		#6, Grade 50, Walls, Steel Reinforcement Bar	1.89	
			For Up To 100, Add	1.41	
			For >100 To 200, Add	0.75	
			For >200 To 500, Add	0.30	
03 21 11 00-0205	LF		#3, Grade 60, Walls, Steel Reinforcement Bar	0.55	
			For Up To 100, Add	0.39	
			For >100 To 200, Add	0.21	
			For >200 To 500, Add	0.08	
03 21 11 00-0206	LF		#4, Grade 60, Walls, Steel Reinforcement Bar	0.94	
			For Up To 100, Add	0.69	
			For >100 To 200, Add	0.37	
			For >200 To 500, Add	0.15	
03 21 11 00-0207	LF		#5, Grade 60, Walls, Steel Reinforcement Bar	1.41	
			For Up To 100, Add	1.05	
			For >100 To 200, Add	0.56	
			For >200 To 500, Add	0.22	
03 21 11 00-0208	LF		#6, Grade 60, Walls, Steel Reinforcement Bar	1.97	
			For Up To 100, Add	1.49	
			For >100 To 200, Add	0.79	
			For >200 To 500, Add	0.31	



<b>Concrete</b>	<b>03</b>	<b>03</b>
<b>Concrete Reinforcing</b>	<b>03 20</b>	
<b>Reinforcement Bars</b>	<b>03 21</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0209 LF #7, Grade 60, Walls, Steel Reinforcement Bar .....	2.57	
For Up To 100, Add	1.54	
For >100 To 200, Add	0.88	
For >200 To 400, Add	0.42	
03 21 11 00-0210 LF #8, Grade 60, Walls, Steel Reinforcement Bar .....	3.25	
For Up To 100, Add	1.97	
For >100 To 200, Add	1.12	
For >200 To 400, Add	0.53	
03 21 11 00-0211 LF #9, Grade 60, Walls, Steel Reinforcement Bar .....	4.02	
For Up To 100, Add	2.47	
For >100 To 200, Add	1.40	
For >200 To 400, Add	0.67	
03 21 11 00-0212 LF #10, Grade 60, Walls, Steel Reinforcement Bar .....	4.93	
For Up To 100, Add	2.48	
For >100 To 200, Add	1.32	
For >200 To 300, Add	0.66	
03 21 11 00-0213 LF #11, Grade 60, Walls, Steel Reinforcement Bar .....	5.91	
For Up To 100, Add	3.01	
For >100 To 200, Add	1.60	
For >200 To 300, Add	0.80	
03 21 11 00-0214 LF #14, Grade 60, Walls, Steel Reinforcement Bar .....	8.25	
For Up To 100, Add	4.26	
For >100 To 200, Add	2.25	
For >200 To 300, Add	1.12	
03 21 11 00-0215 LF #18, Grade 60, Walls, Steel Reinforcement Bar .....	14.22	
For Up To 100, Add	7.44	
For >100 To 200, Add	3.90	
For >200 To 300, Add	1.95	
03 21 11 00-0216 LF #6, Grade 75, Walls, Steel Reinforcement Bar .....	2.05	
For Up To 100, Add	1.57	
For >100 To 200, Add	0.83	
For >200 To 500, Add	0.33	
03 21 11 00-0217 LF #7, Grade 75, Walls, Steel Reinforcement Bar .....	2.68	
For Up To 100, Add	1.62	
For >100 To 200, Add	0.93	
For >200 To 400, Add	0.44	
03 21 11 00-0218 LF #8, Grade 75, Walls, Steel Reinforcement Bar .....	3.39	
For Up To 100, Add	2.07	
For >100 To 200, Add	1.18	
For >200 To 400, Add	0.56	
03 21 11 00-0219 LF #9, Grade 75, Walls, Steel Reinforcement Bar .....	4.19	
For Up To 100, Add	2.59	
For >100 To 200, Add	1.47	
For >200 To 400, Add	0.70	
03 21 11 00-0220 LF #10, Grade 75, Walls, Steel Reinforcement Bar .....	5.15	
For Up To 100, Add	2.62	
For >100 To 200, Add	1.39	
For >200 To 300, Add	0.69	
03 21 11 00-0221 LF #11, Grade 75, Walls, Steel Reinforcement Bar .....	6.19	
For Up To 100, Add	3.18	
For >100 To 200, Add	1.68	
For >200 To 300, Add	0.84	
03 21 11 00-0222 LF #14, Grade 75, Walls, Steel Reinforcement Bar .....	8.65	
For Up To 100, Add	4.50	
For >100 To 200, Add	2.37	
For >200 To 300, Add	1.18	
03 21 11 00-0223 LF #18, Grade 75, Walls, Steel Reinforcement Bar .....	14.92	
For Up To 100, Add	7.86	
For >100 To 200, Add	4.11	
For >200 To 300, Add	2.06	
03 21 11 00-0224 LF #3, Grade 60, Walls, Low Alloy Steel Reinforcement Bar .....	0.57	
For Up To 100, Add	0.41	
For >100 To 200, Add	0.22	
For >200 To 500, Add	0.09	
03 21 11 00-0225 LF #4, Grade 60, Walls, Low Alloy Steel Reinforcement Bar .....	0.97	
For Up To 100, Add	0.72	
For >100 To 200, Add	0.38	
For >200 To 500, Add	0.15	
03 21 11 00-0226 LF #5, Grade 60, Walls, Low Alloy Steel Reinforcement Bar .....	1.45	
For Up To 100, Add	1.09	
For >100 To 200, Add	0.58	
For >200 To 500, Add	0.23	
03 21 11 00-0227 LF #6, Grade 60, Walls, Low Alloy Steel Reinforcement Bar .....	2.03	
For Up To 100, Add	1.55	
For >100 To 200, Add	0.82	
For >200 To 500, Add	0.33	
03 21 11 00-0228 LF #7, Grade 60, Walls, Low Alloy Steel Reinforcement Bar .....	2.65	
For Up To 100, Add	1.60	
For >100 To 200, Add	0.91	
For >200 To 400, Add	0.43	
03 21 11 00-0229 LF #8, Grade 60, Walls, Low Alloy Steel Reinforcement Bar .....	3.35	
For Up To 100, Add	2.04	
For >100 To 200, Add	1.16	
For >200 To 400, Add	0.55	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0230	LF		#9, Grade 60, Walls, Low Alloy Steel Reinforcement Bar.....	4.15	
			<i>For Up To 100, Add</i>	2.56	
			<i>For &gt;100 To 200, Add</i>	1.45	
			<i>For &gt;200 To 400, Add</i>	0.69	
03 21 11 00-0231	LF		#10, Grade 60, Walls, Low Alloy Steel Reinforcement Bar.....	5.09	
			<i>For Up To 100, Add</i>	2.58	
			<i>For &gt;100 To 200, Add</i>	1.37	
			<i>For &gt;200 To 300, Add</i>	0.68	
03 21 11 00-0232	LF		#11, Grade 60, Walls, Low Alloy Steel Reinforcement Bar.....	6.12	
			<i>For Up To 100, Add</i>	3.14	
			<i>For &gt;100 To 200, Add</i>	1.66	
			<i>For &gt;200 To 300, Add</i>	0.83	
03 21 11 00-0233	LF		#14, Grade 60, Walls, Low Alloy Steel Reinforcement Bar.....	8.55	
			<i>For Up To 100, Add</i>	4.44	
			<i>For &gt;100 To 200, Add</i>	2.34	
			<i>For &gt;200 To 300, Add</i>	1.17	
03 21 11 00-0234	LF		#18, Grade 60, Walls, Low Alloy Steel Reinforcement Bar.....	14.75	
			<i>For Up To 100, Add</i>	7.76	
			<i>For &gt;100 To 200, Add</i>	4.06	
			<i>For &gt;200 To 300, Add</i>	2.03	
03 21 11 00-0235			<b>Mechanical Joint Connection</b> (03 21 11)		
03 21 11 00-0236			<b>Thermal Type Mechanical Joint Connection</b> (03 21 11 00-0235)		
03 21 11 00-0237	EA		Thermal Type Mechanical Joint Connection, Add Per Splice.....	216.58	
03 21 11 00-0238			<b>Screwed Type Mechanical Joint Connection</b> (03 21 11 00-0235)		
03 21 11 00-0239	EA		Screwed Type Mechanical Joint Connection, Add Per Splice.....	118.71	
03 21 11 00-0240			<b>Deformed Straight Dowels</b> (03 21 11)		
			Note: Excludes drilling. See CSI section 02 41 19 13-0277 for drilling in concrete.		
03 21 11 00-0241	EA		3/8" Diameter x 24" Long, Deformed Straight Dowel.....	2.89	
			<i>For Up To 12" Length, Deduct</i>	-0.34	
			<i>For &gt;12" To &lt;24" Length, Deduct</i>	-0.17	
03 21 11 00-0242	EA		1/2" Diameter x 24" Long, Deformed Straight Dowel.....	3.46	
			<i>For Up To 12" Length, Deduct</i>	-0.45	
			<i>For &gt;12" To &lt;24" Length, Deduct</i>	-0.23	
03 21 11 00-0243	EA		5/8" Diameter x 24" Long, Deformed Straight Dowel.....	4.23	
			<i>For Up To 12" Length, Deduct</i>	-0.71	
			<i>For &gt;12" To &lt;24" Length, Deduct</i>	-0.36	
03 21 11 00-0244	EA		3/4" Diameter x 24" Long, Deformed Straight Dowel.....	5.14	
			<i>For Up To 12" Length, Deduct</i>	-1.02	
			<i>For &gt;12" To &lt;24" Length, Deduct</i>	-0.51	
03 21 11 00-0245	EA		7/8" Diameter x 24" Long, Deformed Straight Dowel.....	6.08	
			<i>For Up To 12" Length, Deduct</i>	-1.43	
			<i>For &gt;12" To &lt;24" Length, Deduct</i>	-0.71	
03 21 11 00-0246	EA		1" Diameter x 24" Long, Deformed Straight Dowel.....	7.67	
			<i>For Up To 12" Length, Deduct</i>	-1.83	
			<i>For &gt;12" To &lt;24" Length, Deduct</i>	-0.92	
03 21 11 00-0247	EA		1-1/8" Diameter x 24" Long, Deformed Straight Dowel.....	9.04	
			<i>For Up To 12" Length, Deduct</i>	-2.26	
			<i>For &gt;12" To &lt;24" Length, Deduct</i>	-1.13	
03 21 11 00-0248	EA		1-1/4" Diameter x 24" Long, Deformed Straight Dowel.....	11.08	
			<i>For Up To 12" Length, Deduct</i>	-2.95	
			<i>For &gt;12" To &lt;24" Length, Deduct</i>	-1.47	
03 21 11 00-0249	EA		1-3/8" Diameter x 24" Long, Deformed Straight Dowel.....	13.17	
			<i>For Up To 12" Length, Deduct</i>	-3.64	
			<i>For &gt;12" To &lt;24" Length, Deduct</i>	-1.82	
03 21 11 00-0250			<b>Spirals, Reinforcing Steel</b> (03 21 11)		
03 21 11 00-0251	TON		Up To 15" Diameter, Grade 60, Spirals, Reinforcing Steel.....	3,477.07	
			<i>For Grade 75, Add</i>	134.43	
03 21 11 00-0252	TON		>15" To 24" Diameter, Grade 60, Spirals, Reinforcing Steel.....	3,436.63	
			<i>For Grade 75, Add</i>	134.43	
03 21 11 00-0253	TON		>24" To 36" Diameter, Grade 60, Spirals, Reinforcing Steel.....	3,405.80	
			<i>For Grade 75, Add</i>	134.43	
03 21 11 00-0254	TON		>36" To 48" Diameter, Grade 60, Spirals, Reinforcing Steel.....	3,355.36	
			<i>For Grade 75, Add</i>	134.43	
03 21 11 00-0255	TON		>48" To 64" Diameter, Grade 60, Spirals, Reinforcing Steel.....	3,287.15	
			<i>For Grade 75, Add</i>	134.43	
03 21 11 00-0256	TON		>64" To 84" Diameter, Grade 60, Spirals, Reinforcing Steel.....	3,263.79	
			<i>For Grade 75, Add</i>	137.74	
03 21 11 00-0257	TON		>84" To 96" Diameter, Grade 60, Spirals, Reinforcing Steel.....	3,206.69	
			<i>For Grade 75, Add</i>	137.74	
03 21 11 00-0258			<b>Accessories For Reinforcing Steel</b> (03 21 11)		
03 21 11 00-0259			<b>Reinforcing Steel Lap-Weld Splice</b> (03 21 11 00-0258)		
03 21 11 00-0260	EA		Up To #6 Reinforcing Steel Lap-Weld Splice.....	58.08	





<b>Concrete</b>	<b>03</b>	<b>03</b>
<b>Concrete Reinforcing</b>	<b>03 20</b>	
<b>Reinforcement Bars</b>	<b>03 21</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0261 EA >#6 Reinforcing Steel Lap-Weld Splice .....	92.11	
<b>03 21 11 00-0262 Reinforcing Steel Sleeve And Wedge Splice Joint (03 21 11 00-0258)</b>		
03 21 11 00-0263 EA Up To #4 Reinforcing Steel, Sleeve And Wedge Splice Joint.....	31.67	
03 21 11 00-0264 EA #5 Reinforcing Steel, Sleeve And Wedge Splice Joint.....	47.57	
03 21 11 00-0265 EA #6 Reinforcing Steel, Sleeve And Wedge Splice Joint.....	70.09	
<b>03 21 13 Galvanized Reinforcement Steel Bars (03 21)</b>		
<b>03 21 13 00-0001 Beams And Girders, Galvanized Steel Reinforcement Bar (03 21 13)</b>		
Note: ASTM A-767 Hot Dipped Galvanized Steel.		
03 21 13 00-0002 LF #3, Grade 40, Beams And Girders, Galvanized Steel Reinforcement Bar .....	0.79	
For Up To 100, Add	0.55	
For >100 To 200, Add	0.30	
For >200 To 500, Add	0.12	
03 21 13 00-0003 LF #4, Grade 40, Beams And Girders, Galvanized Steel Reinforcement Bar .....	1.34	
For Up To 100, Add	0.96	
For >100 To 200, Add	0.51	
For >200 To 500, Add	0.20	
03 21 13 00-0004 LF #5, Grade 40, Beams And Girders, Galvanized Steel Reinforcement Bar .....	2.02	
For Up To 100, Add	1.46	
For >100 To 200, Add	0.78	
For >200 To 500, Add	0.31	
03 21 13 00-0005 LF #6, Grade 40, Beams And Girders, Galvanized Steel Reinforcement Bar .....	2.81	
For Up To 100, Add	2.07	
For >100 To 200, Add	1.10	
For >200 To 500, Add	0.44	
03 21 13 00-0006 LF #3, Grade 50, Beams And Girders, Galvanized Steel Reinforcement Bar .....	0.81	
For Up To 100, Add	0.57	
For >100 To 200, Add	0.31	
For >200 To 500, Add	0.12	
03 21 13 00-0007 LF #4, Grade 50, Beams And Girders, Galvanized Steel Reinforcement Bar .....	1.36	
For Up To 100, Add	0.98	
For >100 To 200, Add	0.52	
For >200 To 500, Add	0.21	
03 21 13 00-0008 LF #5, Grade 50, Beams And Girders, Galvanized Steel Reinforcement Bar .....	2.06	
For Up To 100, Add	1.50	
For >100 To 200, Add	0.80	
For >200 To 500, Add	0.32	
03 21 13 00-0009 LF #6, Grade 50, Beams And Girders, Galvanized Steel Reinforcement Bar .....	2.86	
For Up To 100, Add	2.12	
For >100 To 200, Add	1.12	
For >200 To 500, Add	0.45	
03 21 13 00-0010 LF #3, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar .....	0.83	
For Up To 100, Add	0.59	
For >100 To 200, Add	0.32	
For >200 To 500, Add	0.13	
03 21 13 00-0011 LF #4, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar .....	1.40	
For Up To 100, Add	1.02	
For >100 To 200, Add	0.54	
For >200 To 500, Add	0.22	
03 21 13 00-0012 LF #5, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar .....	2.11	
For Up To 100, Add	1.55	
For >100 To 200, Add	0.82	
For >200 To 500, Add	0.33	
03 21 13 00-0013 LF #6, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar .....	2.94	
For Up To 100, Add	2.20	
For >100 To 200, Add	1.16	
For >200 To 500, Add	0.46	
03 21 13 00-0014 LF #7, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar .....	3.83	
For Up To 100, Add	2.26	
For >100 To 200, Add	1.30	
For >200 To 400, Add	0.61	
03 21 13 00-0015 LF #8, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar .....	4.81	
For Up To 100, Add	2.89	
For >100 To 200, Add	1.66	
For >200 To 400, Add	0.78	
03 21 13 00-0016 LF #9, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar .....	5.95	
For Up To 100, Add	3.62	
For >100 To 200, Add	2.07	
For >200 To 400, Add	0.98	
03 21 13 00-0017 LF #10, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar .....	7.30	
For Up To 100, Add	3.65	
For >100 To 200, Add	1.95	
For >200 To 300, Add	0.97	
03 21 13 00-0018 LF #11, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar .....	8.74	
For Up To 100, Add	4.43	
For >100 To 200, Add	2.35	
For >200 To 300, Add	1.17	
03 21 13 00-0019 LF #14, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar .....	12.20	
For Up To 100, Add	6.26	
For >100 To 200, Add	3.31	
For >200 To 300, Add	1.65	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 13 00-0020	LF		#18, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar .....	20.98	
			For Up To 100, Add	10.91	
			For >100 To 200, Add	5.74	
			For >200 To 300, Add	2.87	
03 21 13 00-0021	LF		#6, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar .....	3.02	
			For Up To 100, Add	2.28	
			For >100 To 200, Add	1.20	
			For >200 To 500, Add	0.48	
03 21 13 00-0022	LF		#7, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar .....	3.94	
			For Up To 100, Add	2.35	
			For >100 To 200, Add	1.35	
			For >200 To 400, Add	0.64	
03 21 13 00-0023	LF		#8, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar .....	4.95	
			For Up To 100, Add	3.00	
			For >100 To 200, Add	1.71	
			For >200 To 400, Add	0.81	
03 21 13 00-0024	LF		#9, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar .....	6.12	
			For Up To 100, Add	3.75	
			For >100 To 200, Add	2.13	
			For >200 To 400, Add	1.01	
03 21 13 00-0025	LF		#10, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar .....	7.52	
			For Up To 100, Add	3.78	
			For >100 To 200, Add	2.01	
			For >200 To 300, Add	1.01	
03 21 13 00-0026	LF		#11, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar .....	9.02	
			For Up To 100, Add	4.59	
			For >100 To 200, Add	2.43	
			For >200 To 300, Add	1.22	
03 21 13 00-0027	LF		#14, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar .....	12.59	
			For Up To 100, Add	6.49	
			For >100 To 200, Add	3.42	
			For >200 To 300, Add	1.71	
03 21 13 00-0028	LF		#18, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar .....	21.69	
			For Up To 100, Add	11.34	
			For >100 To 200, Add	5.95	
			For >200 To 300, Add	2.97	
03 21 13 00-0029			<b>Columns, Galvanized Steel Reinforcement Bar</b> <small>(03 21 13)</small>		
			Note: ASTM A-767 Hot Dipped Galvanized Steel.		
03 21 13 00-0030	LF		#3, Grade 40, Columns, Galvanized Steel Reinforcement Bar .....	0.82	
			For Up To 100, Add	0.56	
			For >100 To 200, Add	0.30	
			For >200 To 500, Add	0.12	
03 21 13 00-0031	LF		#4, Grade 40, Columns, Galvanized Steel Reinforcement Bar .....	1.42	
			For Up To 100, Add	0.99	
			For >100 To 200, Add	0.53	
			For >200 To 500, Add	0.21	
03 21 13 00-0032	LF		#5, Grade 40, Columns, Galvanized Steel Reinforcement Bar .....	2.11	
			For Up To 100, Add	1.50	
			For >100 To 200, Add	0.80	
			For >200 To 500, Add	0.32	
03 21 13 00-0033	LF		#6, Grade 40, Columns, Galvanized Steel Reinforcement Bar .....	2.93	
			For Up To 100, Add	2.11	
			For >100 To 200, Add	1.13	
			For >200 To 500, Add	0.45	
03 21 13 00-0034	LF		#3, Grade 50, Columns, Galvanized Steel Reinforcement Bar .....	0.84	
			For Up To 100, Add	0.58	
			For >100 To 200, Add	0.31	
			For >200 To 500, Add	0.13	
03 21 13 00-0035	LF		#4, Grade 50, Columns, Galvanized Steel Reinforcement Bar .....	1.44	
			For Up To 100, Add	1.01	
			For >100 To 200, Add	0.54	
			For >200 To 500, Add	0.22	
03 21 13 00-0036	LF		#5, Grade 50, Columns, Galvanized Steel Reinforcement Bar .....	2.15	
			For Up To 100, Add	1.54	
			For >100 To 200, Add	0.82	
			For >200 To 500, Add	0.33	
03 21 13 00-0037	LF		#6, Grade 50, Columns, Galvanized Steel Reinforcement Bar .....	2.98	
			For Up To 100, Add	2.16	
			For >100 To 200, Add	1.15	
			For >200 To 500, Add	0.46	
03 21 13 00-0038	LF		#3, Grade 60, Columns, Galvanized Steel Reinforcement Bar .....	0.86	
			For Up To 100, Add	0.60	
			For >100 To 200, Add	0.32	
			For >200 To 500, Add	0.13	
03 21 13 00-0039	LF		#4, Grade 60, Columns, Galvanized Steel Reinforcement Bar .....	1.48	
			For Up To 100, Add	1.05	
			For >100 To 200, Add	0.56	
			For >200 To 500, Add	0.22	
03 21 13 00-0040	LF		#5, Grade 60, Columns, Galvanized Steel Reinforcement Bar .....	2.20	
			For Up To 100, Add	1.59	
			For >100 To 200, Add	0.85	
			For >200 To 500, Add	0.34	



<b>Concrete</b>	<b>03</b>	<b>03</b>
<b>Concrete Reinforcing</b>	<b>03 20</b>	
<b>Reinforcement Bars</b>	<b>03 21</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 13 00-0041 LF #6, Grade 60, Columns, Galvanized Steel Reinforcement Bar.....	3.06	
For Up To 100, Add	2.24	
For >100 To 200, Add	1.19	
For >200 To 500, Add	0.48	
03 21 13 00-0042 LF #7, Grade 60, Columns, Galvanized Steel Reinforcement Bar.....	3.99	
For Up To 100, Add	2.32	
For >100 To 200, Add	1.34	
For >200 To 400, Add	0.63	
03 21 13 00-0043 LF #8, Grade 60, Columns, Galvanized Steel Reinforcement Bar.....	4.98	
For Up To 100, Add	2.95	
For >100 To 200, Add	1.70	
For >200 To 400, Add	0.80	
03 21 13 00-0044 LF #9, Grade 60, Columns, Galvanized Steel Reinforcement Bar.....	6.15	
For Up To 100, Add	3.69	
For >100 To 200, Add	2.12	
For >200 To 400, Add	1.00	
03 21 13 00-0045 LF #10, Grade 60, Columns, Galvanized Steel Reinforcement Bar.....	7.54	
For Up To 100, Add	3.72	
For >100 To 200, Add	2.00	
For >200 To 300, Add	1.00	
03 21 13 00-0046 LF #11, Grade 60, Columns, Galvanized Steel Reinforcement Bar.....	9.01	
For Up To 100, Add	4.51	
For >100 To 200, Add	2.40	
For >200 To 300, Add	1.20	
03 21 13 00-0047 LF #14, Grade 60, Columns, Galvanized Steel Reinforcement Bar.....	12.56	
For Up To 100, Add	6.37	
For >100 To 200, Add	3.38	
For >200 To 300, Add	1.69	
03 21 13 00-0048 LF #18, Grade 60, Columns, Galvanized Steel Reinforcement Bar.....	21.54	
For Up To 100, Add	11.08	
For >100 To 200, Add	5.85	
For >200 To 300, Add	2.92	
03 21 13 00-0049 LF #6, Grade 75, Columns, Galvanized Steel Reinforcement Bar.....	3.14	
For Up To 100, Add	2.32	
For >100 To 200, Add	1.23	
For >200 To 500, Add	0.49	
03 21 13 00-0050 LF #7, Grade 75, Columns, Galvanized Steel Reinforcement Bar.....	4.10	
For Up To 100, Add	2.40	
For >100 To 200, Add	1.39	
For >200 To 400, Add	0.65	
03 21 13 00-0051 LF #8, Grade 75, Columns, Galvanized Steel Reinforcement Bar.....	5.12	
For Up To 100, Add	3.06	
For >100 To 200, Add	1.75	
For >200 To 400, Add	0.83	
03 21 13 00-0052 LF #9, Grade 75, Columns, Galvanized Steel Reinforcement Bar.....	6.32	
For Up To 100, Add	3.82	
For >100 To 200, Add	2.18	
For >200 To 400, Add	1.03	
03 21 13 00-0053 LF #10, Grade 75, Columns, Galvanized Steel Reinforcement Bar.....	7.76	
For Up To 100, Add	3.86	
For >100 To 200, Add	2.06	
For >200 To 300, Add	1.03	
03 21 13 00-0054 LF #11, Grade 75, Columns, Galvanized Steel Reinforcement Bar.....	9.29	
For Up To 100, Add	4.67	
For >100 To 200, Add	2.49	
For >200 To 300, Add	1.24	
03 21 13 00-0055 LF #14, Grade 75, Columns, Galvanized Steel Reinforcement Bar.....	12.95	
For Up To 100, Add	6.60	
For >100 To 200, Add	3.50	
For >200 To 300, Add	1.75	
03 21 13 00-0056 LF #18, Grade 75, Columns, Galvanized Steel Reinforcement Bar.....	22.25	
For Up To 100, Add	11.51	
For >100 To 200, Add	6.06	
For >200 To 300, Add	3.03	
<b>03 21 13 00-0057 Footings, Galvanized Steel Reinforcement Bar (03 21 13)</b>		
Note: ASTM A-767 Hot Dipped Galvanized Steel.		
03 21 13 00-0058 LF #3, Grade 40, Footings, Galvanized Steel Reinforcement Bar.....	0.73	
For Up To 100, Add	0.53	
For >100 To 200, Add	0.28	
For >200 To 500, Add	0.11	
03 21 13 00-0059 LF #4, Grade 40, Footings, Galvanized Steel Reinforcement Bar.....	1.25	
For Up To 100, Add	0.92	
For >100 To 200, Add	0.49	
For >200 To 500, Add	0.20	
03 21 13 00-0060 LF #5, Grade 40, Footings, Galvanized Steel Reinforcement Bar.....	1.89	
For Up To 100, Add	1.41	
For >100 To 200, Add	0.75	
For >200 To 500, Add	0.30	
03 21 13 00-0061 LF #6, Grade 40, Footings, Galvanized Steel Reinforcement Bar.....	2.62	
For Up To 100, Add	1.99	
For >100 To 200, Add	1.05	
For >200 To 500, Add	0.42	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21	13 00-0062	LF	#3, Grade 50, Footings, Galvanized Steel Reinforcement Bar	0.75	
			For Up To 100, Add	0.55	
			For >100 To 200, Add	0.29	
			For >200 To 500, Add	0.12	
03 21	13 00-0063	LF	#4, Grade 50, Footings, Galvanized Steel Reinforcement Bar	1.27	
			For Up To 100, Add	0.94	
			For >100 To 200, Add	0.50	
			For >200 To 500, Add	0.20	
03 21	13 00-0064	LF	#5, Grade 50, Footings, Galvanized Steel Reinforcement Bar	1.93	
			For Up To 100, Add	1.45	
			For >100 To 200, Add	0.77	
			For >200 To 500, Add	0.31	
03 21	13 00-0065	LF	#6, Grade 50, Footings, Galvanized Steel Reinforcement Bar	2.67	
			For Up To 100, Add	2.04	
			For >100 To 200, Add	1.07	
			For >200 To 500, Add	0.43	
03 21	13 00-0066	LF	#3, Grade 60, Footings, Galvanized Steel Reinforcement Bar	0.77	
			For Up To 100, Add	0.57	
			For >100 To 200, Add	0.30	
			For >200 To 500, Add	0.12	
03 21	13 00-0067	LF	#4, Grade 60, Footings, Galvanized Steel Reinforcement Bar	1.31	
			For Up To 100, Add	0.98	
			For >100 To 200, Add	0.52	
			For >200 To 500, Add	0.21	
03 21	13 00-0068	LF	#5, Grade 60, Footings, Galvanized Steel Reinforcement Bar	1.98	
			For Up To 100, Add	1.50	
			For >100 To 200, Add	0.79	
			For >200 To 500, Add	0.32	
03 21	13 00-0069	LF	#6, Grade 60, Footings, Galvanized Steel Reinforcement Bar	2.75	
			For Up To 100, Add	2.12	
			For >100 To 200, Add	1.11	
			For >200 To 500, Add	0.45	
03 21	13 00-0070	LF	#7, Grade 60, Footings, Galvanized Steel Reinforcement Bar	3.61	
			For Up To 100, Add	2.19	
			For >100 To 200, Add	1.25	
			For >200 To 400, Add	0.59	
03 21	13 00-0071	LF	#8, Grade 60, Footings, Galvanized Steel Reinforcement Bar	4.54	
			For Up To 100, Add	2.80	
			For >100 To 200, Add	1.59	
			For >200 To 400, Add	0.76	
03 21	13 00-0072	LF	#9, Grade 60, Footings, Galvanized Steel Reinforcement Bar	5.63	
			For Up To 100, Add	3.51	
			For >100 To 200, Add	1.99	
			For >200 To 400, Add	0.95	
03 21	13 00-0073	LF	#10, Grade 60, Footings, Galvanized Steel Reinforcement Bar	6.94	
			For Up To 100, Add	3.54	
			For >100 To 200, Add	1.88	
			For >200 To 300, Add	0.94	
03 21	13 00-0074	LF	#11, Grade 60, Footings, Galvanized Steel Reinforcement Bar	8.33	
			For Up To 100, Add	4.30	
			For >100 To 200, Add	2.27	
			For >200 To 300, Add	1.13	
03 21	13 00-0075	LF	#14, Grade 60, Footings, Galvanized Steel Reinforcement Bar	11.67	
			For Up To 100, Add	6.10	
			For >100 To 200, Add	3.20	
			For >200 To 300, Add	1.60	
03 21	13 00-0076	LF	#18, Grade 60, Footings, Galvanized Steel Reinforcement Bar	20.13	
			For Up To 100, Add	10.66	
			For >100 To 200, Add	5.57	
			For >200 To 300, Add	2.78	
03 21	13 00-0077	LF	#6, Grade 75, Footings, Galvanized Steel Reinforcement Bar	2.83	
			For Up To 100, Add	2.20	
			For >100 To 200, Add	1.15	
			For >200 To 500, Add	0.46	
03 21	13 00-0078	LF	#7, Grade 75, Footings, Galvanized Steel Reinforcement Bar	3.72	
			For Up To 100, Add	2.27	
			For >100 To 200, Add	1.29	
			For >200 To 400, Add	0.61	
03 21	13 00-0079	LF	#8, Grade 75, Footings, Galvanized Steel Reinforcement Bar	4.68	
			For Up To 100, Add	2.90	
			For >100 To 200, Add	1.64	
			For >200 To 400, Add	0.78	
03 21	13 00-0080	LF	#9, Grade 75, Footings, Galvanized Steel Reinforcement Bar	5.80	
			For Up To 100, Add	3.64	
			For >100 To 200, Add	2.05	
			For >200 To 400, Add	0.98	
03 21	13 00-0081	LF	#10, Grade 75, Footings, Galvanized Steel Reinforcement Bar	7.16	
			For Up To 100, Add	3.68	
			For >100 To 200, Add	1.94	
			For >200 To 300, Add	0.97	
03 21	13 00-0082	LF	#11, Grade 75, Footings, Galvanized Steel Reinforcement Bar	8.61	
			For Up To 100, Add	4.47	
			For >100 To 200, Add	2.35	
			For >200 To 300, Add	1.18	



<b>Concrete</b>	<b>03</b>	<b>03</b>
<b>Concrete Reinforcing</b>	<b>03 20</b>	
<b>Reinforcement Bars</b>	<b>03 21</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 13 00-0083 LF #14, Grade 75, Footings, Galvanized Steel Reinforcement Bar .....	12.06	
For Up To 100, Add	6.33	
For >100 To 200, Add	3.32	
For >200 To 300, Add	1.66	
03 21 13 00-0084 LF #18, Grade 75, Footings, Galvanized Steel Reinforcement Bar .....	20.84	
For Up To 100, Add	11.08	
For >100 To 200, Add	5.78	
For >200 To 300, Add	2.89	
<b>03 21 13 00-0085 Slab On Grade, Galvanized Steel Reinforcement Bar (03 21 13)</b>		
Note: ASTM A-767 Hot Dipped Galvanized Steel.		
03 21 13 00-0086 LF #3, Grade 40, Slab On Grade, Galvanized Steel Reinforcement Bar .....	0.71	
For Up To 100, Add	0.52	
For >100 To 200, Add	0.28	
For >200 To 500, Add	0.11	
03 21 13 00-0087 LF #4, Grade 40, Slab On Grade, Galvanized Steel Reinforcement Bar .....	1.22	
For Up To 100, Add	0.91	
For >100 To 200, Add	0.48	
For >200 To 500, Add	0.19	
03 21 13 00-0088 LF #5, Grade 40, Slab On Grade, Galvanized Steel Reinforcement Bar .....	1.84	
For Up To 100, Add	1.39	
For >100 To 200, Add	0.73	
For >200 To 500, Add	0.29	
03 21 13 00-0089 LF #6, Grade 40, Slab On Grade, Galvanized Steel Reinforcement Bar .....	2.55	
For Up To 100, Add	1.96	
For >100 To 200, Add	1.03	
For >200 To 500, Add	0.41	
03 21 13 00-0090 LF #3, Grade 50, Slab On Grade, Galvanized Steel Reinforcement Bar .....	0.73	
For Up To 100, Add	0.54	
For >100 To 200, Add	0.29	
For >200 To 500, Add	0.11	
03 21 13 00-0091 LF #4, Grade 50, Slab On Grade, Galvanized Steel Reinforcement Bar .....	1.24	
For Up To 100, Add	0.93	
For >100 To 200, Add	0.49	
For >200 To 500, Add	0.20	
03 21 13 00-0092 LF #5, Grade 50, Slab On Grade, Galvanized Steel Reinforcement Bar .....	1.88	
For Up To 100, Add	1.43	
For >100 To 200, Add	0.75	
For >200 To 500, Add	0.30	
03 21 13 00-0093 LF #6, Grade 50, Slab On Grade, Galvanized Steel Reinforcement Bar .....	2.60	
For Up To 100, Add	2.01	
For >100 To 200, Add	1.06	
For >200 To 500, Add	0.42	
03 21 13 00-0094 LF #3, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar .....	0.75	
For Up To 100, Add	0.56	
For >100 To 200, Add	0.30	
For >200 To 500, Add	0.12	
03 21 13 00-0095 LF #4, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar .....	1.28	
For Up To 100, Add	0.97	
For >100 To 200, Add	0.51	
For >200 To 500, Add	0.20	
03 21 13 00-0096 LF #5, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar .....	1.93	
For Up To 100, Add	1.48	
For >100 To 200, Add	0.78	
For >200 To 500, Add	0.31	
03 21 13 00-0097 LF #6, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar .....	2.68	
For Up To 100, Add	2.09	
For >100 To 200, Add	1.10	
For >200 To 500, Add	0.44	
03 21 13 00-0098 LF #7, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar .....	3.54	
For Up To 100, Add	2.16	
For >100 To 200, Add	1.23	
For >200 To 400, Add	0.59	
03 21 13 00-0099 LF #8, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar .....	4.45	
For Up To 100, Add	2.77	
For >100 To 200, Add	1.57	
For >200 To 400, Add	0.75	
03 21 13 00-0100 LF #9, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar .....	5.53	
For Up To 100, Add	3.48	
For >100 To 200, Add	1.96	
For >200 To 400, Add	0.94	
03 21 13 00-0101 LF #10, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar .....	6.81	
For Up To 100, Add	3.50	
For >100 To 200, Add	1.85	
For >200 To 300, Add	0.92	
03 21 13 00-0102 LF #11, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar .....	8.20	
For Up To 100, Add	4.26	
For >100 To 200, Add	2.24	
For >200 To 300, Add	1.12	
03 21 13 00-0103 LF #14, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar .....	11.48	
For Up To 100, Add	6.04	
For >100 To 200, Add	3.16	
For >200 To 300, Add	1.58	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21	13 00-0104	LF	#18, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	19.86	
			For Up To 100, Add	10.58	
			For >100 To 200, Add	5.51	
			For >200 To 300, Add	2.76	
03 21	13 00-0105	LF	#6, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	2.76	
			For Up To 100, Add	2.17	
			For >100 To 200, Add	1.14	
			For >200 To 500, Add	0.45	
03 21	13 00-0106	LF	#7, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	3.65	
			For Up To 100, Add	2.25	
			For >100 To 200, Add	1.28	
			For >200 To 400, Add	0.61	
03 21	13 00-0107	LF	#8, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	4.59	
			For Up To 100, Add	2.87	
			For >100 To 200, Add	1.62	
			For >200 To 400, Add	0.78	
03 21	13 00-0108	LF	#9, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	5.70	
			For Up To 100, Add	3.60	
			For >100 To 200, Add	2.03	
			For >200 To 400, Add	0.97	
03 21	13 00-0109	LF	#10, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	7.03	
			For Up To 100, Add	3.64	
			For >100 To 200, Add	1.92	
			For >200 To 300, Add	0.96	
03 21	13 00-0110	LF	#11, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	8.48	
			For Up To 100, Add	4.43	
			For >100 To 200, Add	2.33	
			For >200 To 300, Add	1.16	
03 21	13 00-0111	LF	#14, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	11.87	
			For Up To 100, Add	6.28	
			For >100 To 200, Add	3.28	
			For >200 To 300, Add	1.64	
03 21	13 00-0112	LF	#18, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	20.57	
			For Up To 100, Add	11.00	
			For >100 To 200, Add	5.72	
			For >200 To 300, Add	2.86	
03 21	13 00-0113		<b>Elevated Slabs, Galvanized Steel Reinforcement Bar</b> (03 21 13)		
			Note: ASTM A-767 Hot Dipped Galvanized Steel.		
03 21	13 00-0114	LF	#3, Grade 40, Elevated Slabs, Galvanized Steel Reinforcement Bar	0.67	
			For Up To 100, Add	0.50	
			For >100 To 200, Add	0.27	
			For >200 To 500, Add	0.11	
03 21	13 00-0115	LF	#4, Grade 40, Elevated Slabs, Galvanized Steel Reinforcement Bar	1.15	
			For Up To 100, Add	0.88	
			For >100 To 200, Add	0.46	
			For >200 To 500, Add	0.19	
03 21	13 00-0116	LF	#5, Grade 40, Elevated Slabs, Galvanized Steel Reinforcement Bar	1.74	
			For Up To 100, Add	1.35	
			For >100 To 200, Add	0.71	
			For >200 To 500, Add	0.28	
03 21	13 00-0117	LF	#6, Grade 40, Elevated Slabs, Galvanized Steel Reinforcement Bar	2.43	
			For Up To 100, Add	1.91	
			For >100 To 200, Add	1.00	
			For >200 To 500, Add	0.40	
03 21	13 00-0118	LF	#3, Grade 50, Elevated Slabs, Galvanized Steel Reinforcement Bar	0.69	
			For Up To 100, Add	0.52	
			For >100 To 200, Add	0.28	
			For >200 To 500, Add	0.11	
03 21	13 00-0119	LF	#4, Grade 50, Elevated Slabs, Galvanized Steel Reinforcement Bar	1.17	
			For Up To 100, Add	0.90	
			For >100 To 200, Add	0.47	
			For >200 To 500, Add	0.19	
03 21	13 00-0120	LF	#5, Grade 50, Elevated Slabs, Galvanized Steel Reinforcement Bar	1.78	
			For Up To 100, Add	1.39	
			For >100 To 200, Add	0.73	
			For >200 To 500, Add	0.29	
03 21	13 00-0121	LF	#6, Grade 50, Elevated Slabs, Galvanized Steel Reinforcement Bar	2.48	
			For Up To 100, Add	1.96	
			For >100 To 200, Add	1.03	
			For >200 To 500, Add	0.41	
03 21	13 00-0122	LF	#3, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	0.71	
			For Up To 100, Add	0.54	
			For >100 To 200, Add	0.29	
			For >200 To 500, Add	0.11	
03 21	13 00-0123	LF	#4, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	1.21	
			For Up To 100, Add	0.94	
			For >100 To 200, Add	0.49	
			For >200 To 500, Add	0.20	
03 21	13 00-0124	LF	#5, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	1.83	
			For Up To 100, Add	1.44	
			For >100 To 200, Add	0.75	
			For >200 To 500, Add	0.30	



<b>Concrete</b>	<b>03</b>	<b>CS</b>
<b>Concrete Reinforcing</b>	<b>03 20</b>	
<b>Reinforcement Bars</b>	<b>03 21</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 13 00-0125 LF #6, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar ..... <i>For Up To 100, Add</i> <i>For &gt;100 To 200, Add</i> <i>For &gt;200 To 500, Add</i>	2.56 2.04 1.07 0.43	
03 21 13 00-0126 LF #7, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar ..... <i>For Up To 100, Add</i> <i>For &gt;100 To 200, Add</i> <i>For &gt;200 To 400, Add</i>	3.38 2.11 1.19 0.57	
03 21 13 00-0127 LF #8, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar ..... <i>For Up To 100, Add</i> <i>For &gt;100 To 200, Add</i> <i>For &gt;200 To 400, Add</i>	4.27 2.70 1.52 0.73	
03 21 13 00-0128 LF #9, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar ..... <i>For Up To 100, Add</i> <i>For &gt;100 To 200, Add</i> <i>For &gt;200 To 400, Add</i>	5.32 3.40 1.91 0.92	
03 21 13 00-0129 LF #10, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar ..... <i>For Up To 100, Add</i> <i>For &gt;100 To 200, Add</i> <i>For &gt;200 To 300, Add</i>	6.58 3.44 1.80 0.90	
03 21 13 00-0130 LF #11, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar ..... <i>For Up To 100, Add</i> <i>For &gt;100 To 200, Add</i> <i>For &gt;200 To 300, Add</i>	7.92 4.18 2.19 1.09	
03 21 13 00-0131 LF #14, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar ..... <i>For Up To 100, Add</i> <i>For &gt;100 To 200, Add</i> <i>For &gt;200 To 300, Add</i>	11.13 5.94 3.09 1.55	
03 21 13 00-0132 LF #18, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar ..... <i>For Up To 100, Add</i> <i>For &gt;100 To 200, Add</i> <i>For &gt;200 To 300, Add</i>	19.31 10.41 5.40 2.70	
03 21 13 00-0133 LF #6, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar ..... <i>For Up To 100, Add</i> <i>For &gt;100 To 200, Add</i> <i>For &gt;200 To 500, Add</i>	2.64 2.12 1.11 0.44	
03 21 13 00-0134 LF #7, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar ..... <i>For Up To 100, Add</i> <i>For &gt;100 To 200, Add</i> <i>For &gt;200 To 400, Add</i>	3.49 2.19 1.24 0.59	
03 21 13 00-0135 LF #8, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar ..... <i>For Up To 100, Add</i> <i>For &gt;100 To 200, Add</i> <i>For &gt;200 To 400, Add</i>	4.41 2.81 1.58 0.76	
03 21 13 00-0136 LF #9, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar ..... <i>For Up To 100, Add</i> <i>For &gt;100 To 200, Add</i> <i>For &gt;200 To 400, Add</i>	5.49 3.53 1.98 0.95	
03 21 13 00-0137 LF #10, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar ..... <i>For Up To 100, Add</i> <i>For &gt;100 To 200, Add</i> <i>For &gt;200 To 300, Add</i>	6.80 3.57 1.87 0.93	
03 21 13 00-0138 LF #11, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar ..... <i>For Up To 100, Add</i> <i>For &gt;100 To 200, Add</i> <i>For &gt;200 To 300, Add</i>	8.20 4.35 2.27 1.13	
03 21 13 00-0139 LF #14, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar ..... <i>For Up To 100, Add</i> <i>For &gt;100 To 200, Add</i> <i>For &gt;200 To 300, Add</i>	11.52 6.17 3.21 1.60	
03 21 13 00-0140 LF #18, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar ..... <i>For Up To 100, Add</i> <i>For &gt;100 To 200, Add</i> <i>For &gt;200 To 300, Add</i>	20.02 10.84 5.61 2.81	
<b>03 21 13 00-0141 Walls, Galvanized Steel Reinforcement Bar <small>(03 21 13)</small></b> Note: ASTM A-767 Hot Dipped Galvanized Steel.		
03 21 13 00-0142 LF #3, Grade 40, Walls, Galvanized Steel Reinforcement Bar ..... <i>For Up To 100, Add</i> <i>For &gt;100 To 200, Add</i> <i>For &gt;200 To 500, Add</i>	0.65 0.49 0.26 0.10	
03 21 13 00-0143 LF #4, Grade 40, Walls, Galvanized Steel Reinforcement Bar ..... <i>For Up To 100, Add</i> <i>For &gt;100 To 200, Add</i> <i>For &gt;200 To 500, Add</i>	1.12 0.87 0.46 0.18	
03 21 13 00-0144 LF #5, Grade 40, Walls, Galvanized Steel Reinforcement Bar ..... <i>For Up To 100, Add</i> <i>For &gt;100 To 200, Add</i> <i>For &gt;200 To 500, Add</i>	1.69 1.33 0.70 0.28	
03 21 13 00-0145 LF #6, Grade 40, Walls, Galvanized Steel Reinforcement Bar ..... <i>For Up To 100, Add</i> <i>For &gt;100 To 200, Add</i> <i>For &gt;200 To 500, Add</i>	2.37 1.89 0.99 0.39	

<b>03</b>	<b>Concrete</b>
<b>03 20</b>	<b>Concrete Reinforcing</b>
<b>03 21</b>	<b>Reinforcement Bars</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21	13 00-0146	LF	#3, Grade 50, Walls, Galvanized Steel Reinforcement Bar	0.67	
			<i>For Up To 100, Add</i>	0.51	
			<i>For &gt;100 To 200, Add</i>	0.27	
			<i>For &gt;200 To 500, Add</i>	0.11	
03 21	13 00-0147	LF	#4, Grade 50, Walls, Galvanized Steel Reinforcement Bar	1.14	
			<i>For Up To 100, Add</i>	0.89	
			<i>For &gt;100 To 200, Add</i>	0.47	
			<i>For &gt;200 To 500, Add</i>	0.19	
03 21	13 00-0148	LF	#5, Grade 50, Walls, Galvanized Steel Reinforcement Bar	1.73	
			<i>For Up To 100, Add</i>	1.37	
			<i>For &gt;100 To 200, Add</i>	0.72	
			<i>For &gt;200 To 500, Add</i>	0.29	
03 21	13 00-0149	LF	#6, Grade 50, Walls, Galvanized Steel Reinforcement Bar	2.42	
			<i>For Up To 100, Add</i>	1.94	
			<i>For &gt;100 To 200, Add</i>	1.01	
			<i>For &gt;200 To 500, Add</i>	0.40	
03 21	13 00-0150	LF	#3, Grade 60, Walls, Galvanized Steel Reinforcement Bar	0.69	
			<i>For Up To 100, Add</i>	0.53	
			<i>For &gt;100 To 200, Add</i>	0.28	
			<i>For &gt;200 To 500, Add</i>	0.11	
03 21	13 00-0151	LF	#4, Grade 60, Walls, Galvanized Steel Reinforcement Bar	1.18	
			<i>For Up To 100, Add</i>	0.93	
			<i>For &gt;100 To 200, Add</i>	0.49	
			<i>For &gt;200 To 500, Add</i>	0.19	
03 21	13 00-0152	LF	#5, Grade 60, Walls, Galvanized Steel Reinforcement Bar	1.78	
			<i>For Up To 100, Add</i>	1.42	
			<i>For &gt;100 To 200, Add</i>	0.74	
			<i>For &gt;200 To 500, Add</i>	0.30	
03 21	13 00-0153	LF	#6, Grade 60, Walls, Galvanized Steel Reinforcement Bar	2.50	
			<i>For Up To 100, Add</i>	2.02	
			<i>For &gt;100 To 200, Add</i>	1.05	
			<i>For &gt;200 To 500, Add</i>	0.42	
03 21	13 00-0154	LF	#7, Grade 60, Walls, Galvanized Steel Reinforcement Bar	3.29	
			<i>For Up To 100, Add</i>	2.08	
			<i>For &gt;100 To 200, Add</i>	1.17	
			<i>For &gt;200 To 400, Add</i>	0.56	
03 21	13 00-0155	LF	#8, Grade 60, Walls, Galvanized Steel Reinforcement Bar	4.19	
			<i>For Up To 100, Add</i>	2.67	
			<i>For &gt;100 To 200, Add</i>	1.50	
			<i>For &gt;200 To 400, Add</i>	0.72	
03 21	13 00-0156	LF	#9, Grade 60, Walls, Galvanized Steel Reinforcement Bar	5.22	
			<i>For Up To 100, Add</i>	3.37	
			<i>For &gt;100 To 200, Add</i>	1.88	
			<i>For &gt;200 To 400, Add</i>	0.91	
03 21	13 00-0157	LF	#10, Grade 60, Walls, Galvanized Steel Reinforcement Bar	6.45	
			<i>For Up To 100, Add</i>	3.40	
			<i>For &gt;100 To 200, Add</i>	1.78	
			<i>For &gt;200 To 300, Add</i>	0.89	
03 21	13 00-0158	LF	#11, Grade 60, Walls, Galvanized Steel Reinforcement Bar	7.79	
			<i>For Up To 100, Add</i>	4.14	
			<i>For &gt;100 To 200, Add</i>	2.16	
			<i>For &gt;200 To 300, Add</i>	1.08	
03 21	13 00-0159	LF	#14, Grade 60, Walls, Galvanized Steel Reinforcement Bar	10.96	
			<i>For Up To 100, Add</i>	5.89	
			<i>For &gt;100 To 200, Add</i>	3.06	
			<i>For &gt;200 To 300, Add</i>	1.53	
03 21	13 00-0160	LF	#18, Grade 60, Walls, Galvanized Steel Reinforcement Bar	19.03	
			<i>For Up To 100, Add</i>	10.33	
			<i>For &gt;100 To 200, Add</i>	5.35	
			<i>For &gt;200 To 300, Add</i>	2.67	
03 21	13 00-0161	LF	#6, Grade 75, Walls, Galvanized Steel Reinforcement Bar	2.58	
			<i>For Up To 100, Add</i>	2.10	
			<i>For &gt;100 To 200, Add</i>	1.09	
			<i>For &gt;200 To 500, Add</i>	0.44	
03 21	13 00-0162	LF	#7, Grade 75, Walls, Galvanized Steel Reinforcement Bar	3.40	
			<i>For Up To 100, Add</i>	2.16	
			<i>For &gt;100 To 200, Add</i>	1.21	
			<i>For &gt;200 To 400, Add</i>	0.58	
03 21	13 00-0163	LF	#8, Grade 75, Walls, Galvanized Steel Reinforcement Bar	4.33	
			<i>For Up To 100, Add</i>	2.78	
			<i>For &gt;100 To 200, Add</i>	1.56	
			<i>For &gt;200 To 400, Add</i>	0.75	
03 21	13 00-0164	LF	#9, Grade 75, Walls, Galvanized Steel Reinforcement Bar	5.39	
			<i>For Up To 100, Add</i>	3.49	
			<i>For &gt;100 To 200, Add</i>	1.95	
			<i>For &gt;200 To 400, Add</i>	0.94	
03 21	13 00-0165	LF	#10, Grade 75, Walls, Galvanized Steel Reinforcement Bar	6.67	
			<i>For Up To 100, Add</i>	3.53	
			<i>For &gt;100 To 200, Add</i>	1.84	
			<i>For &gt;200 To 300, Add</i>	0.92	
03 21	13 00-0166	LF	#11, Grade 75, Walls, Galvanized Steel Reinforcement Bar	8.07	
			<i>For Up To 100, Add</i>	4.31	
			<i>For &gt;100 To 200, Add</i>	2.24	
			<i>For &gt;200 To 300, Add</i>	1.12	





<b>Concrete</b>	<b>03</b>	<b>03</b>
<b>Concrete Reinforcing</b>	<b>03 20</b>	
<b>Reinforcement Bars</b>	<b>03 21</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 13 00-0167 LF #14, Grade 75, Walls, Galvanized Steel Reinforcement Bar .....	11.35	
<i>For Up To 100, Add</i>	6.12	
<i>For &gt;100 To 200, Add</i>	3.18	
<i>For &gt;200 To 300, Add</i>	1.59	
03 21 13 00-0168 LF #18, Grade 75, Walls, Galvanized Steel Reinforcement Bar .....	19.74	
<i>For Up To 100, Add</i>	10.75	
<i>For &gt;100 To 200, Add</i>	5.56	
<i>For &gt;200 To 300, Add</i>	2.78	
 <b>03 21 16 Epoxy-Coated Reinforcement Steel Bars (03 21)</b>		
<b>03 21 16 00-0001 Beams And Girders, Epoxy Coated Steel Reinforcement Bar (03 21 16)</b>		
Note: ASTM A-775 Epoxy Coated Steel.		
03 21 16 00-0002 LF #3, Grade 40, Beams And Girders, Epoxy Coated Steel Reinforcement Bar .....	0.78	
<i>For Up To 100, Add</i>	0.54	
<i>For &gt;100 To 200, Add</i>	0.29	
<i>For &gt;200 To 500, Add</i>	0.12	
03 21 16 00-0003 LF #4, Grade 40, Beams And Girders, Epoxy Coated Steel Reinforcement Bar .....	1.31	
<i>For Up To 100, Add</i>	0.93	
<i>For &gt;100 To 200, Add</i>	0.50	
<i>For &gt;200 To 500, Add</i>	0.20	
03 21 16 00-0004 LF #5, Grade 40, Beams And Girders, Epoxy Coated Steel Reinforcement Bar .....	1.98	
<i>For Up To 100, Add</i>	1.42	
<i>For &gt;100 To 200, Add</i>	0.76	
<i>For &gt;200 To 500, Add</i>	0.30	
03 21 16 00-0005 LF #6, Grade 40, Beams And Girders, Epoxy Coated Steel Reinforcement Bar .....	2.75	
<i>For Up To 100, Add</i>	2.01	
<i>For &gt;100 To 200, Add</i>	1.07	
<i>For &gt;200 To 500, Add</i>	0.43	
03 21 16 00-0006 LF #3, Grade 50, Beams And Girders, Epoxy Coated Steel Reinforcement Bar .....	0.79	
<i>For Up To 100, Add</i>	0.55	
<i>For &gt;100 To 200, Add</i>	0.30	
<i>For &gt;200 To 500, Add</i>	0.12	
03 21 16 00-0007 LF #4, Grade 50, Beams And Girders, Epoxy Coated Steel Reinforcement Bar .....	1.34	
<i>For Up To 100, Add</i>	0.96	
<i>For &gt;100 To 200, Add</i>	0.51	
<i>For &gt;200 To 500, Add</i>	0.20	
03 21 16 00-0008 LF #5, Grade 50, Beams And Girders, Epoxy Coated Steel Reinforcement Bar .....	2.02	
<i>For Up To 100, Add</i>	1.46	
<i>For &gt;100 To 200, Add</i>	0.78	
<i>For &gt;200 To 500, Add</i>	0.31	
03 21 16 00-0009 LF #6, Grade 50, Beams And Girders, Epoxy Coated Steel Reinforcement Bar .....	2.80	
<i>For Up To 100, Add</i>	2.06	
<i>For &gt;100 To 200, Add</i>	1.09	
<i>For &gt;200 To 500, Add</i>	0.44	
03 21 16 00-0010 LF #3, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar .....	0.81	
<i>For Up To 100, Add</i>	0.57	
<i>For &gt;100 To 200, Add</i>	0.31	
<i>For &gt;200 To 500, Add</i>	0.12	
03 21 16 00-0011 LF #4, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar .....	1.37	
<i>For Up To 100, Add</i>	0.99	
<i>For &gt;100 To 200, Add</i>	0.53	
<i>For &gt;200 To 500, Add</i>	0.21	
03 21 16 00-0012 LF #5, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar .....	2.07	
<i>For Up To 100, Add</i>	1.51	
<i>For &gt;100 To 200, Add</i>	0.80	
<i>For &gt;200 To 500, Add</i>	0.32	
03 21 16 00-0013 LF #6, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar .....	2.88	
<i>For Up To 100, Add</i>	2.14	
<i>For &gt;100 To 200, Add</i>	1.13	
<i>For &gt;200 To 500, Add</i>	0.45	
03 21 16 00-0014 LF #7, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar .....	3.75	
<i>For Up To 100, Add</i>	2.20	
<i>For &gt;100 To 200, Add</i>	1.27	
<i>For &gt;200 To 400, Add</i>	0.60	
03 21 16 00-0015 LF #8, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar .....	4.71	
<i>For Up To 100, Add</i>	2.82	
<i>For &gt;100 To 200, Add</i>	1.62	
<i>For &gt;200 To 400, Add</i>	0.76	
03 21 16 00-0016 LF #9, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar .....	5.82	
<i>For Up To 100, Add</i>	3.53	
<i>For &gt;100 To 200, Add</i>	2.01	
<i>For &gt;200 To 400, Add</i>	0.95	
03 21 16 00-0017 LF #10, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar .....	7.13	
<i>For Up To 100, Add</i>	3.55	
<i>For &gt;100 To 200, Add</i>	1.90	
<i>For &gt;200 To 300, Add</i>	0.95	
03 21 16 00-0018 LF #11, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar .....	8.54	
<i>For Up To 100, Add</i>	4.31	
<i>For &gt;100 To 200, Add</i>	2.29	
<i>For &gt;200 To 300, Add</i>	1.14	
03 21 16 00-0019 LF #14, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar .....	11.90	
<i>For Up To 100, Add</i>	6.08	
<i>For &gt;100 To 200, Add</i>	3.22	
<i>For &gt;200 To 300, Add</i>	1.61	

<b>03</b>	<b>Concrete</b>
<b>03 20</b>	<b>Concrete Reinforcing</b>
<b>03 21</b>	<b>Reinforcement Bars</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 16 00-0020	LF		#18, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar .....	20.46	
			For Up To 100, Add	10.60	
			For >100 To 200, Add	5.58	
			For >200 To 300, Add	2.79	
03 21 16 00-0021	LF		#6, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar .....	2.96	
			For Up To 100, Add	2.22	
			For >100 To 200, Add	1.17	
			For >200 To 500, Add	0.47	
03 21 16 00-0022	LF		#7, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar .....	3.86	
			For Up To 100, Add	2.29	
			For >100 To 200, Add	1.32	
			For >200 To 400, Add	0.62	
03 21 16 00-0023	LF		#8, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar .....	4.85	
			For Up To 100, Add	2.92	
			For >100 To 200, Add	1.67	
			For >200 To 400, Add	0.79	
03 21 16 00-0024	LF		#9, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar .....	5.99	
			For Up To 100, Add	3.65	
			For >100 To 200, Add	2.08	
			For >200 To 400, Add	0.99	
03 21 16 00-0025	LF		#10, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar .....	7.36	
			For Up To 100, Add	3.69	
			For >100 To 200, Add	1.97	
			For >200 To 300, Add	0.98	
03 21 16 00-0026	LF		#11, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar .....	8.81	
			For Up To 100, Add	4.47	
			For >100 To 200, Add	2.37	
			For >200 To 300, Add	1.19	
03 21 16 00-0027	LF		#14, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar .....	12.30	
			For Up To 100, Add	6.32	
			For >100 To 200, Add	3.34	
			For >200 To 300, Add	1.67	
03 21 16 00-0028	LF		#18, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar .....	21.16	
			For Up To 100, Add	11.02	
			For >100 To 200, Add	5.79	
			For >200 To 300, Add	2.89	
03 21 16 00-0029			<b>Columns, Epoxy Coated Steel Reinforcement Bar</b> <small>(03 21 16)</small>		
			Note: ASTM A-775 Epoxy Coated Steel.		
03 21 16 00-0030	LF		#3, Grade 40, Columns, Epoxy Coated Steel Reinforcement Bar .....	0.81	
			For Up To 100, Add	0.55	
			For >100 To 200, Add	0.30	
			For >200 To 500, Add	0.12	
03 21 16 00-0031	LF		#4, Grade 40, Columns, Epoxy Coated Steel Reinforcement Bar .....	1.39	
			For Up To 100, Add	0.96	
			For >100 To 200, Add	0.52	
			For >200 To 500, Add	0.21	
03 21 16 00-0032	LF		#5, Grade 40, Columns, Epoxy Coated Steel Reinforcement Bar .....	2.07	
			For Up To 100, Add	1.46	
			For >100 To 200, Add	0.78	
			For >200 To 500, Add	0.31	
03 21 16 00-0033	LF		#6, Grade 40, Columns, Epoxy Coated Steel Reinforcement Bar .....	2.87	
			For Up To 100, Add	2.05	
			For >100 To 200, Add	1.10	
			For >200 To 500, Add	0.44	
03 21 16 00-0034	LF		#3, Grade 50, Columns, Epoxy Coated Steel Reinforcement Bar .....	0.82	
			For Up To 100, Add	0.56	
			For >100 To 200, Add	0.30	
			For >200 To 500, Add	0.12	
03 21 16 00-0035	LF		#4, Grade 50, Columns, Epoxy Coated Steel Reinforcement Bar .....	1.42	
			For Up To 100, Add	0.99	
			For >100 To 200, Add	0.53	
			For >200 To 500, Add	0.21	
03 21 16 00-0036	LF		#5, Grade 50, Columns, Epoxy Coated Steel Reinforcement Bar .....	2.11	
			For Up To 100, Add	1.50	
			For >100 To 200, Add	0.80	
			For >200 To 500, Add	0.32	
03 21 16 00-0037	LF		#6, Grade 50, Columns, Epoxy Coated Steel Reinforcement Bar .....	2.92	
			For Up To 100, Add	2.10	
			For >100 To 200, Add	1.12	
			For >200 To 500, Add	0.45	
03 21 16 00-0038	LF		#3, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar .....	0.84	
			For Up To 100, Add	0.58	
			For >100 To 200, Add	0.31	
			For >200 To 500, Add	0.13	
03 21 16 00-0039	LF		#4, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar .....	1.45	
			For Up To 100, Add	1.02	
			For >100 To 200, Add	0.55	
			For >200 To 500, Add	0.22	
03 21 16 00-0040	LF		#5, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar .....	2.16	
			For Up To 100, Add	1.55	
			For >100 To 200, Add	0.83	
			For >200 To 500, Add	0.33	



<b>Concrete</b>	<b>03</b>	<b>03</b>
<b>Concrete Reinforcing</b>	<b>03 20</b>	
<b>Reinforcement Bars</b>	<b>03 21</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 16 00-0041 LF #6, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar ..... <i>For Up To 100, Add</i> <i>For &gt;100 To 200, Add</i> <i>For &gt;200 To 500, Add</i>	3.00 2.18 1.16 0.46	
03 21 16 00-0042 LF #7, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar ..... <i>For Up To 100, Add</i> <i>For &gt;100 To 200, Add</i> <i>For &gt;200 To 400, Add</i>	3.91 2.26 1.31 0.61	
03 21 16 00-0043 LF #8, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar ..... <i>For Up To 100, Add</i> <i>For &gt;100 To 200, Add</i> <i>For &gt;200 To 400, Add</i>	4.88 2.88 1.66 0.78	
03 21 16 00-0044 LF #9, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar ..... <i>For Up To 100, Add</i> <i>For &gt;100 To 200, Add</i> <i>For &gt;200 To 400, Add</i>	6.02 3.60 2.06 0.97	
03 21 16 00-0045 LF #10, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar ..... <i>For Up To 100, Add</i> <i>For &gt;100 To 200, Add</i> <i>For &gt;200 To 300, Add</i>	7.37 3.62 1.94 0.97	
03 21 16 00-0046 LF #11, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar ..... <i>For Up To 100, Add</i> <i>For &gt;100 To 200, Add</i> <i>For &gt;200 To 300, Add</i>	8.81 4.39 2.34 1.17	
03 21 16 00-0047 LF #14, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar ..... <i>For Up To 100, Add</i> <i>For &gt;100 To 200, Add</i> <i>For &gt;200 To 300, Add</i>	12.26 6.19 3.29 1.64	
03 21 16 00-0048 LF #18, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar ..... <i>For Up To 100, Add</i> <i>For &gt;100 To 200, Add</i> <i>For &gt;200 To 300, Add</i>	21.02 10.77 5.69 2.85	
03 21 16 00-0049 LF #6, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar ..... <i>For Up To 100, Add</i> <i>For &gt;100 To 200, Add</i> <i>For &gt;200 To 500, Add</i>	3.08 2.26 1.20 0.48	
03 21 16 00-0050 LF #7, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar ..... <i>For Up To 100, Add</i> <i>For &gt;100 To 200, Add</i> <i>For &gt;200 To 400, Add</i>	4.02 2.34 1.36 0.64	
03 21 16 00-0051 LF #8, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar ..... <i>For Up To 100, Add</i> <i>For &gt;100 To 200, Add</i> <i>For &gt;200 To 400, Add</i>	5.02 2.98 1.71 0.81	
03 21 16 00-0052 LF #9, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar ..... <i>For Up To 100, Add</i> <i>For &gt;100 To 200, Add</i> <i>For &gt;200 To 400, Add</i>	6.19 3.72 2.13 1.01	
03 21 16 00-0053 LF #10, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar ..... <i>For Up To 100, Add</i> <i>For &gt;100 To 200, Add</i> <i>For &gt;200 To 300, Add</i>	7.60 3.76 2.01 1.01	
03 21 16 00-0054 LF #11, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar ..... <i>For Up To 100, Add</i> <i>For &gt;100 To 200, Add</i> <i>For &gt;200 To 300, Add</i>	9.08 4.55 2.42 1.21	
03 21 16 00-0055 LF #14, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar ..... <i>For Up To 100, Add</i> <i>For &gt;100 To 200, Add</i> <i>For &gt;200 To 300, Add</i>	12.66 6.43 3.41 1.70	
03 21 16 00-0056 LF #18, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar ..... <i>For Up To 100, Add</i> <i>For &gt;100 To 200, Add</i> <i>For &gt;200 To 300, Add</i>	21.72 11.19 5.90 2.95	
<b>03 21 16 00-0057 Footings, Epoxy Coated Steel Reinforcement Bar <small>(03 21 16)</small></b> Note: ASTM A-775 Epoxy Coated Steel.		
03 21 16 00-0058 LF #3, Grade 40, Footings, Epoxy Coated Steel Reinforcement Bar ..... <i>For Up To 100, Add</i> <i>For &gt;100 To 200, Add</i> <i>For &gt;200 To 500, Add</i>	0.72 0.52 0.28 0.11	
03 21 16 00-0059 LF #4, Grade 40, Footings, Epoxy Coated Steel Reinforcement Bar ..... <i>For Up To 100, Add</i> <i>For &gt;100 To 200, Add</i> <i>For &gt;200 To 500, Add</i>	1.22 0.89 0.47 0.19	
03 21 16 00-0060 LF #5, Grade 40, Footings, Epoxy Coated Steel Reinforcement Bar ..... <i>For Up To 100, Add</i> <i>For &gt;100 To 200, Add</i> <i>For &gt;200 To 500, Add</i>	1.85 1.37 0.73 0.29	
03 21 16 00-0061 LF #6, Grade 40, Footings, Epoxy Coated Steel Reinforcement Bar ..... <i>For Up To 100, Add</i> <i>For &gt;100 To 200, Add</i> <i>For &gt;200 To 500, Add</i>	2.56 1.93 1.02 0.41	

<b>03</b>	<b>Concrete</b>
<b>03 20</b>	<b>Concrete Reinforcing</b>
<b>03 21</b>	<b>Reinforcement Bars</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 16 00-0062 LF #3, Grade 50, Footings, Epoxy Coated Steel Reinforcement Bar.....	0.73	
For Up To 100, Add	0.53	
For >100 To 200, Add	0.28	
For >200 To 500, Add	0.11	
03 21 16 00-0063 LF #4, Grade 50, Footings, Epoxy Coated Steel Reinforcement Bar.....	1.25	
03 21 16 00-0064 LF #5, Grade 50, Footings, Epoxy Coated Steel Reinforcement Bar.....	1.89	
For Up To 100, Add	1.41	
For >100 To 200, Add	0.75	
For >200 To 500, Add	0.30	
03 21 16 00-0065 LF #6, Grade 50, Footings, Epoxy Coated Steel Reinforcement Bar.....	2.61	
For Up To 100, Add	1.98	
For >100 To 200, Add	1.04	
For >200 To 500, Add	0.42	
03 21 16 00-0066 LF #3, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar.....	0.75	
For Up To 100, Add	0.55	
For >100 To 200, Add	0.29	
For >200 To 500, Add	0.12	
03 21 16 00-0067 LF #4, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar.....	1.28	
For Up To 100, Add	0.95	
For >100 To 200, Add	0.50	
For >200 To 500, Add	0.20	
03 21 16 00-0068 LF #5, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar.....	1.94	
For Up To 100, Add	1.46	
For >100 To 200, Add	0.77	
For >200 To 500, Add	0.31	
03 21 16 00-0069 LF #6, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar.....	2.69	
For Up To 100, Add	2.06	
For >100 To 200, Add	1.08	
For >200 To 500, Add	0.43	
03 21 16 00-0070 LF #7, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar.....	3.53	
For Up To 100, Add	2.13	
For >100 To 200, Add	1.22	
For >200 To 400, Add	0.58	
03 21 16 00-0071 LF #8, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar.....	4.44	
For Up To 100, Add	2.72	
For >100 To 200, Add	1.55	
For >200 To 400, Add	0.74	
03 21 16 00-0072 LF #9, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar.....	5.50	
For Up To 100, Add	3.41	
For >100 To 200, Add	1.93	
For >200 To 400, Add	0.92	
03 21 16 00-0073 LF #10, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar.....	6.77	
For Up To 100, Add	3.44	
For >100 To 200, Add	1.82	
For >200 To 300, Add	0.91	
03 21 16 00-0074 LF #11, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar.....	8.13	
For Up To 100, Add	4.18	
For >100 To 200, Add	2.21	
For >200 To 300, Add	1.10	
03 21 16 00-0075 LF #14, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar.....	11.37	
For Up To 100, Add	5.92	
For >100 To 200, Add	3.11	
For >200 To 300, Add	1.56	
03 21 16 00-0076 LF #18, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar.....	19.61	
For Up To 100, Add	10.34	
For >100 To 200, Add	5.41	
For >200 To 300, Add	2.70	
03 21 16 00-0077 LF #6, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar.....	2.77	
For Up To 100, Add	2.14	
For >100 To 200, Add	1.12	
For >200 To 500, Add	0.45	
03 21 16 00-0078 LF #7, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar.....	3.64	
For Up To 100, Add	2.21	
For >100 To 200, Add	1.26	
For >200 To 400, Add	0.60	
03 21 16 00-0079 LF #8, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar.....	4.58	
For Up To 100, Add	2.83	
For >100 To 200, Add	1.60	
For >200 To 400, Add	0.76	
03 21 16 00-0080 LF #9, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar.....	5.67	
For Up To 100, Add	3.54	
For >100 To 200, Add	2.00	
For >200 To 400, Add	0.96	
03 21 16 00-0081 LF #10, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar.....	7.00	
For Up To 100, Add	3.58	
For >100 To 200, Add	1.89	
For >200 To 300, Add	0.95	
03 21 16 00-0082 LF #11, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar.....	8.40	
For Up To 100, Add	4.34	
For >100 To 200, Add	2.29	
For >200 To 300, Add	1.14	
03 21 16 00-0083 LF #14, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar.....	11.77	
For Up To 100, Add	6.16	
For >100 To 200, Add	3.23	
For >200 To 300, Add	1.62	



<b>Concrete</b>	<b>03</b>	<b>03</b>
<b>Concrete Reinforcing</b>	<b>03 20</b>	
<b>Reinforcement Bars</b>	<b>03 21</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 16 00-0084 LF #18, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar.....	20.31	
For Up To 100, Add	10.76	
For >100 To 200, Add	5.62	
For >200 To 300, Add	2.81	
<b>03 21 16 00-0085 Slab On Grade, Epoxy Coated Steel Reinforcement Bar (03 21 16)</b>		
Note: ASTM A-775 Epoxy Coated Steel.		
03 21 16 00-0086 LF #3, Grade 40, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	0.70	
For Up To 100, Add	0.51	
For >100 To 200, Add	0.27	
For >200 To 500, Add	0.11	
03 21 16 00-0087 LF #4, Grade 40, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	1.19	
For Up To 100, Add	0.88	
For >100 To 200, Add	0.47	
For >200 To 500, Add	0.19	
03 21 16 00-0088 LF #5, Grade 40, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	1.80	
For Up To 100, Add	1.35	
For >100 To 200, Add	0.71	
For >200 To 500, Add	0.29	
03 21 16 00-0089 LF #6, Grade 40, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	2.49	
For Up To 100, Add	1.90	
For >100 To 200, Add	1.00	
For >200 To 500, Add	0.40	
03 21 16 00-0090 LF #3, Grade 50, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	0.71	
For Up To 100, Add	0.52	
For >100 To 200, Add	0.28	
For >200 To 500, Add	0.11	
03 21 16 00-0091 LF #4, Grade 50, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	1.22	
For Up To 100, Add	0.91	
For >100 To 200, Add	0.48	
For >200 To 500, Add	0.19	
03 21 16 00-0092 LF #5, Grade 50, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	1.84	
For Up To 100, Add	1.39	
For >100 To 200, Add	0.73	
For >200 To 500, Add	0.29	
03 21 16 00-0093 LF #6, Grade 50, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	2.54	
For Up To 100, Add	1.95	
For >100 To 200, Add	1.03	
For >200 To 500, Add	0.41	
03 21 16 00-0094 LF #3, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	0.73	
For Up To 100, Add	0.54	
For >100 To 200, Add	0.29	
For >200 To 500, Add	0.11	
03 21 16 00-0095 LF #4, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	1.25	
For Up To 100, Add	0.94	
For >100 To 200, Add	0.50	
For >200 To 500, Add	0.20	
03 21 16 00-0096 LF #5, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	1.89	
For Up To 100, Add	1.44	
For >100 To 200, Add	0.76	
For >200 To 500, Add	0.30	
03 21 16 00-0097 LF #6, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	2.62	
For Up To 100, Add	2.03	
For >100 To 200, Add	1.07	
For >200 To 500, Add	0.43	
03 21 16 00-0098 LF #7, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	3.46	
For Up To 100, Add	2.10	
For >100 To 200, Add	1.20	
For >200 To 400, Add	0.57	
03 21 16 00-0099 LF #8, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	4.35	
For Up To 100, Add	2.69	
For >100 To 200, Add	1.53	
For >200 To 400, Add	0.73	
03 21 16 00-0100 LF #9, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	5.40	
For Up To 100, Add	3.38	
For >100 To 200, Add	1.91	
For >200 To 400, Add	0.91	
03 21 16 00-0101 LF #10, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	6.64	
For Up To 100, Add	3.40	
For >100 To 200, Add	1.80	
For >200 To 300, Add	0.90	
03 21 16 00-0102 LF #11, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	8.00	
For Up To 100, Add	4.14	
For >100 To 200, Add	2.18	
For >200 To 300, Add	1.09	
03 21 16 00-0103 LF #14, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	11.18	
For Up To 100, Add	5.86	
For >100 To 200, Add	3.07	
For >200 To 300, Add	1.54	
03 21 16 00-0104 LF #18, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	19.34	
For Up To 100, Add	10.26	
For >100 To 200, Add	5.36	
For >200 To 300, Add	2.68	

<b>03</b>	<b>Concrete</b>
<b>03 20</b>	<b>Concrete Reinforcing</b>
<b>03 21</b>	<b>Reinforcement Bars</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 16 00-0105	LF		#6, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	2.70	
			For Up To 100, Add	2.11	
			For >100 To 200, Add	1.11	
			For >200 To 500, Add	0.44	
03 21 16 00-0106	LF		#7, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	3.57	
			For Up To 100, Add	2.19	
			For >100 To 200, Add	1.24	
			For >200 To 400, Add	0.59	
03 21 16 00-0107	LF		#8, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	4.49	
			For Up To 100, Add	2.80	
			For >100 To 200, Add	1.58	
			For >200 To 400, Add	0.76	
03 21 16 00-0108	LF		#9, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	5.57	
			For Up To 100, Add	3.51	
			For >100 To 200, Add	1.98	
			For >200 To 400, Add	0.95	
03 21 16 00-0109	LF		#10, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	6.87	
			For Up To 100, Add	3.54	
			For >100 To 200, Add	1.87	
			For >200 To 300, Add	0.93	
03 21 16 00-0110	LF		#11, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	8.27	
			For Up To 100, Add	4.31	
			For >100 To 200, Add	2.26	
			For >200 To 300, Add	1.13	
03 21 16 00-0111	LF		#14, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	11.58	
			For Up To 100, Add	6.10	
			For >100 To 200, Add	3.19	
			For >200 To 300, Add	1.60	
03 21 16 00-0112	LF		#18, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	20.04	
			For Up To 100, Add	10.68	
			For >100 To 200, Add	5.57	
			For >200 To 300, Add	2.78	
<b>03 21 16 00-0113</b>			<b>Elevated Slabs, Epoxy Coated Steel Reinforcement Bar<sup>(03 21 16)</sup></b>		
			Note: ASTM A-775 Epoxy Coated Steel.		
03 21 16 00-0114	LF		#3, Grade 40, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	0.66	
			For Up To 100, Add	0.49	
			For >100 To 200, Add	0.26	
			For >200 To 500, Add	0.10	
03 21 16 00-0115	LF		#4, Grade 40, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	1.12	
			For Up To 100, Add	0.85	
			For >100 To 200, Add	0.45	
			For >200 To 500, Add	0.18	
03 21 16 00-0116	LF		#5, Grade 40, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	1.70	
			For Up To 100, Add	1.31	
			For >100 To 200, Add	0.69	
			For >200 To 500, Add	0.28	
03 21 16 00-0117	LF		#6, Grade 40, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	2.37	
			For Up To 100, Add	1.85	
			For >100 To 200, Add	0.97	
			For >200 To 500, Add	0.39	
03 21 16 00-0118	LF		#3, Grade 50, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	0.67	
			For Up To 100, Add	0.50	
			For >100 To 200, Add	0.27	
			For >200 To 500, Add	0.11	
03 21 16 00-0119	LF		#4, Grade 50, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	1.15	
			For Up To 100, Add	0.88	
			For >100 To 200, Add	0.46	
			For >200 To 500, Add	0.19	
03 21 16 00-0120	LF		#5, Grade 50, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	1.74	
			For Up To 100, Add	1.35	
			For >100 To 200, Add	0.71	
			For >200 To 500, Add	0.28	
03 21 16 00-0121	LF		#6, Grade 50, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	2.42	
			For Up To 100, Add	1.90	
			For >100 To 200, Add	1.00	
			For >200 To 500, Add	0.40	
03 21 16 00-0122	LF		#3, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	0.69	
			For Up To 100, Add	0.52	
			For >100 To 200, Add	0.28	
			For >200 To 500, Add	0.11	
03 21 16 00-0123	LF		#4, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	1.18	
			For Up To 100, Add	0.91	
			For >100 To 200, Add	0.48	
			For >200 To 500, Add	0.19	
03 21 16 00-0124	LF		#5, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	1.79	
			For Up To 100, Add	1.40	
			For >100 To 200, Add	0.73	
			For >200 To 500, Add	0.29	
03 21 16 00-0125	LF		#6, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	2.50	
			For Up To 100, Add	1.98	
			For >100 To 200, Add	1.04	
			For >200 To 500, Add	0.41	



<b>Concrete</b>	<b>03</b>	<b>03</b>
<b>Concrete Reinforcing</b>	<b>03 20</b>	
<b>Reinforcement Bars</b>	<b>03 21</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 16 00-0126 LF #7, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	3.30	
For Up To 100, Add	2.05	
For >100 To 200, Add	1.16	
For >200 To 400, Add	0.55	
03 21 16 00-0127 LF #8, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	4.17	
For Up To 100, Add	2.63	
For >100 To 200, Add	1.48	
For >200 To 400, Add	0.71	
03 21 16 00-0128 LF #9, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	5.19	
For Up To 100, Add	3.30	
For >100 To 200, Add	1.86	
For >200 To 400, Add	0.89	
03 21 16 00-0129 LF #10, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	6.41	
For Up To 100, Add	3.33	
For >100 To 200, Add	1.75	
For >200 To 300, Add	0.88	
03 21 16 00-0130 LF #11, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	7.72	
For Up To 100, Add	4.06	
For >100 To 200, Add	2.13	
For >200 To 300, Add	1.06	
03 21 16 00-0131 LF #14, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	10.83	
For Up To 100, Add	5.76	
For >100 To 200, Add	3.00	
For >200 To 300, Add	1.50	
03 21 16 00-0132 LF #18, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	18.79	
For Up To 100, Add	10.10	
For >100 To 200, Add	5.25	
For >200 To 300, Add	2.62	
03 21 16 00-0133 LF #6, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	2.58	
For Up To 100, Add	2.06	
For >100 To 200, Add	1.08	
For >200 To 500, Add	0.43	
03 21 16 00-0134 LF #7, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	3.41	
For Up To 100, Add	2.13	
For >100 To 200, Add	1.20	
For >200 To 400, Add	0.58	
03 21 16 00-0135 LF #8, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	4.31	
For Up To 100, Add	2.73	
For >100 To 200, Add	1.54	
For >200 To 400, Add	0.74	
03 21 16 00-0136 LF #9, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	5.36	
For Up To 100, Add	3.43	
For >100 To 200, Add	1.92	
For >200 To 400, Add	0.93	
03 21 16 00-0137 LF #10, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	6.64	
For Up To 100, Add	3.47	
For >100 To 200, Add	1.82	
For >200 To 300, Add	0.91	
03 21 16 00-0138 LF #11, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	7.99	
For Up To 100, Add	4.22	
For >100 To 200, Add	2.21	
For >200 To 300, Add	1.10	
03 21 16 00-0139 LF #14, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	11.23	
For Up To 100, Add	6.00	
For >100 To 200, Add	3.12	
For >200 To 300, Add	1.56	
03 21 16 00-0140 LF #18, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	19.49	
For Up To 100, Add	10.52	
For >100 To 200, Add	5.46	
For >200 To 300, Add	2.73	
<b>03 21 16 00-0141 Walls, Epoxy Coated Steel Reinforcement Bar (03 21 16)</b>		
Note: ASTM A-775 Epoxy Coated Steel.		
03 21 16 00-0142 LF #3, Grade 40, Walls, Epoxy Coated Steel Reinforcement Bar.....	0.64	
For Up To 100, Add	0.48	
For >100 To 200, Add	0.26	
For >200 To 500, Add	0.10	
03 21 16 00-0143 LF #4, Grade 40, Walls, Epoxy Coated Steel Reinforcement Bar.....	1.09	
For Up To 100, Add	0.84	
For >100 To 200, Add	0.44	
For >200 To 500, Add	0.18	
03 21 16 00-0144 LF #5, Grade 40, Walls, Epoxy Coated Steel Reinforcement Bar.....	1.65	
For Up To 100, Add	1.29	
For >100 To 200, Add	0.68	
For >200 To 500, Add	0.27	
03 21 16 00-0145 LF #6, Grade 40, Walls, Epoxy Coated Steel Reinforcement Bar.....	2.31	
For Up To 100, Add	1.83	
For >100 To 200, Add	0.96	
For >200 To 500, Add	0.38	
03 21 16 00-0146 LF #3, Grade 50, Walls, Epoxy Coated Steel Reinforcement Bar.....	0.65	
For Up To 100, Add	0.49	
For >100 To 200, Add	0.26	
For >200 To 500, Add	0.10	

<b>03</b>	<b>Concrete</b>
<b>03 20</b>	<b>Concrete Reinforcing</b>
<b>03 21</b>	<b>Reinforcement Bars</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 16 00-0147	LF	#4, Grade 50, Walls, Epoxy Coated Steel Reinforcement Bar	.....	1.12	
		<i>For Up To 100, Add</i>		0.87	
		<i>For &gt;100 To 200, Add</i>		0.46	
		<i>For &gt;200 To 500, Add</i>		0.18	
03 21 16 00-0148	LF	#5, Grade 50, Walls, Epoxy Coated Steel Reinforcement Bar	.....	1.69	
		<i>For Up To 100, Add</i>		1.33	
		<i>For &gt;100 To 200, Add</i>		0.70	
		<i>For &gt;200 To 500, Add</i>		0.28	
03 21 16 00-0149	LF	#6, Grade 50, Walls, Epoxy Coated Steel Reinforcement Bar	.....	2.36	
		<i>For Up To 100, Add</i>		1.88	
		<i>For &gt;100 To 200, Add</i>		0.98	
		<i>For &gt;200 To 500, Add</i>		0.39	
03 21 16 00-0150	LF	#3, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar	.....	0.67	
		<i>For Up To 100, Add</i>		0.51	
		<i>For &gt;100 To 200, Add</i>		0.27	
		<i>For &gt;200 To 500, Add</i>		0.11	
03 21 16 00-0151	LF	#4, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar	.....	1.15	
		<i>For Up To 100, Add</i>		0.90	
		<i>For &gt;100 To 200, Add</i>		0.47	
		<i>For &gt;200 To 500, Add</i>		0.19	
03 21 16 00-0152	LF	#5, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar	.....	1.74	
		<i>For Up To 100, Add</i>		1.38	
		<i>For &gt;100 To 200, Add</i>		0.72	
		<i>For &gt;200 To 500, Add</i>		0.29	
03 21 16 00-0153	LF	#6, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar	.....	2.44	
		<i>For Up To 100, Add</i>		1.96	
		<i>For &gt;100 To 200, Add</i>		1.02	
		<i>For &gt;200 To 500, Add</i>		0.41	
03 21 16 00-0154	LF	#7, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar	.....	3.21	
		<i>For Up To 100, Add</i>		2.02	
		<i>For &gt;100 To 200, Add</i>		1.14	
		<i>For &gt;200 To 400, Add</i>		0.54	
03 21 16 00-0155	LF	#8, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar	.....	4.09	
		<i>For Up To 100, Add</i>		2.60	
		<i>For &gt;100 To 200, Add</i>		1.46	
		<i>For &gt;200 To 400, Add</i>		0.70	
03 21 16 00-0156	LF	#9, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar	.....	5.09	
		<i>For Up To 100, Add</i>		3.27	
		<i>For &gt;100 To 200, Add</i>		1.83	
		<i>For &gt;200 To 400, Add</i>		0.88	
03 21 16 00-0157	LF	#10, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar	.....	6.28	
		<i>For Up To 100, Add</i>		3.29	
		<i>For &gt;100 To 200, Add</i>		1.73	
		<i>For &gt;200 To 300, Add</i>		0.86	
03 21 16 00-0158	LF	#11, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar	.....	7.59	
		<i>For Up To 100, Add</i>		4.02	
		<i>For &gt;100 To 200, Add</i>		2.10	
		<i>For &gt;200 To 300, Add</i>		1.05	
03 21 16 00-0159	LF	#14, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar	.....	10.66	
		<i>For Up To 100, Add</i>		5.71	
		<i>For &gt;100 To 200, Add</i>		2.97	
		<i>For &gt;200 To 300, Add</i>		1.48	
03 21 16 00-0160	LF	#18, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar	.....	18.51	
		<i>For Up To 100, Add</i>		10.01	
		<i>For &gt;100 To 200, Add</i>		5.19	
		<i>For &gt;200 To 300, Add</i>		2.59	
03 21 16 00-0161	LF	#6, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar	.....	2.52	
		<i>For Up To 100, Add</i>		2.04	
		<i>For &gt;100 To 200, Add</i>		1.06	
		<i>For &gt;200 To 500, Add</i>		0.42	
03 21 16 00-0162	LF	#7, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar	.....	3.32	
		<i>For Up To 100, Add</i>		2.10	
		<i>For &gt;100 To 200, Add</i>		1.18	
		<i>For &gt;200 To 400, Add</i>		0.57	
03 21 16 00-0163	LF	#8, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar	.....	4.23	
		<i>For Up To 100, Add</i>		2.70	
		<i>For &gt;100 To 200, Add</i>		1.52	
		<i>For &gt;200 To 400, Add</i>		0.73	
03 21 16 00-0164	LF	#9, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar	.....	5.26	
		<i>For Up To 100, Add</i>		3.40	
		<i>For &gt;100 To 200, Add</i>		1.90	
		<i>For &gt;200 To 400, Add</i>		0.92	
03 21 16 00-0165	LF	#10, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar	.....	6.51	
		<i>For Up To 100, Add</i>		3.43	
		<i>For &gt;100 To 200, Add</i>		1.80	
		<i>For &gt;200 To 300, Add</i>		0.90	
03 21 16 00-0166	LF	#11, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar	.....	7.86	
		<i>For Up To 100, Add</i>		4.18	
		<i>For &gt;100 To 200, Add</i>		2.18	
		<i>For &gt;200 To 300, Add</i>		1.09	
03 21 16 00-0167	LF	#14, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar	.....	11.06	
		<i>For Up To 100, Add</i>		5.95	
		<i>For &gt;100 To 200, Add</i>		3.09	
		<i>For &gt;200 To 300, Add</i>		1.54	





<b>Concrete</b>	<b>03</b>	<b>CS</b>
<b>Concrete Reinforcing</b>	<b>03 20</b>	
<b>Reinforcement Bars</b>	<b>03 21</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 16 00-0168 LF #18, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar.....	19.21	
For Up To 100, Add	10.43	
For >100 To 200, Add	5.40	
For >200 To 300, Add	2.70	
<b>03 21 16 00-0169 Epoxy Coated Deformed Straight Dowels</b> <small>(03 21 16)</small>		
Note: Excludes drilling. See CSI section 02 41 19 13-0277 for drilling in concrete.		
03 21 16 00-0170 EA 3/8" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel.....	4.79	
For Up To 12" Length, Deduct	-0.48	
For >12" To <24" Length, Deduct	-0.24	
03 21 16 00-0171 EA 1/2" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel.....	5.64	
For Up To 12" Length, Deduct	-0.72	
For >12" To <24" Length, Deduct	-0.36	
03 21 16 00-0172 EA 5/8" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel.....	6.99	
For Up To 12" Length, Deduct	-1.08	
For >12" To <24" Length, Deduct	-0.54	
03 21 16 00-0173 EA 3/4" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel.....	8.69	
For Up To 12" Length, Deduct	-1.44	
For >12" To <24" Length, Deduct	-0.72	
03 21 16 00-0174 EA 7/8" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel.....	10.45	
For Up To 12" Length, Deduct	-1.95	
For >12" To <24" Length, Deduct	-0.98	
03 21 16 00-0175 EA 1" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel.....	12.16	
For Up To 12" Length, Deduct	-2.40	
For >12" To <24" Length, Deduct	-1.20	
03 21 16 00-0176 EA 1-1/8" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel.....	14.35	
For Up To 12" Length, Deduct	-2.91	
For >12" To <24" Length, Deduct	-1.45	
03 21 16 00-0177 EA 1-1/4" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel.....	17.28	
For Up To 12" Length, Deduct	-3.52	
For >12" To <24" Length, Deduct	-1.76	

**03 22 Fabric and Grid Reinforcing** (03 20)

**03 22 11 Plain Steel Welded Wire Fabric Reinforcing** (03 22)

Note: Includes cutting, tie wire, tying, overlap, bar chairs and all non-mechanical splicing.

**03 22 11 00-0001 Welded Wire Fabric Placed In Floors Or Slabs Under 5 Tons** (03 22 11)

Note: Includes bar chairs. Under 5 tons. ASTM A-185

03 22 11 00-0002 SF 6" x 6" x #10, 21 LB/CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W1.4 x W1.4).....	0.94	
For >5 Ton, Deduct	-0.13	
03 22 11 00-0003 SF 6" x 6" x #8, 30 LB/CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.1 x W2.1).....	1.09	
For >5 Ton, Deduct	-0.16	
03 22 11 00-0004 SF 6" x 6" x #6, 42 LB/CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.9 x W2.9).....	1.26	
For >5 Ton, Deduct	-0.18	
03 22 11 00-0005 SF 6" x 6" x #4, 58 LB/CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W4.0 x W4.0).....	1.54	
For >5 Ton, Deduct	-0.21	
03 22 11 00-0006 SF 4" x 4" x #10, 31 LB/CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W1.4 x W1.4).....	1.16	
For >5 Ton, Deduct	-0.16	
03 22 11 00-0007 SF 4" x 4" x #8, 44 LB/CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.1 x W2.1).....	1.32	
For >5 Ton, Deduct	-0.18	
03 22 11 00-0008 SF 4" x 4" x #6, 62 LB/CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.9 x W2.9).....	1.76	
For >5 Ton, Deduct	-0.23	
03 22 11 00-0009 SF 4" x 4" x #4, 85 LB/CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W4.0 x W4.0).....	2.08	
For >5 Ton, Deduct	-0.27	
03 22 11 00-0010 SF 2" x 2" x #12, 37 LB/CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W0.9 x W0.9).....	2.00	
For >5 Ton, Deduct	-0.25	

**03 22 13 Galvanized Welded Wire Fabric Reinforcing** (03 22)

**03 22 13 00-0001 Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs** (03 22 13)

Note: Includes bar chairs. Under 5 tons.

03 22 13 00-0002 SF 6" x 6" x #10, 21 LB/CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W1.4 x W1.4).....	1.08	
For >5 Ton, Deduct	-0.15	
03 22 13 00-0003 SF 6" x 6" x #8, 29 LB/CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.1 x W2.1).....	1.26	
For >5 Ton, Deduct	-0.17	
03 22 13 00-0004 SF 6" x 6" x #6, 42 LB/CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.9 x W2.9).....	1.48	
For >5 Ton, Deduct	-0.20	
03 22 13 00-0005 SF 6" x 6" x #4, 58 LB/CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W4.0 x W4.0).....	1.86	
For >5 Ton, Deduct	-0.24	
03 22 13 00-0006 SF 4" x 4" x #10, 31 LB/CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W1.4 x W1.4).....	1.36	
For >5 Ton, Deduct	-0.18	
03 22 13 00-0007 SF 4" x 4" x #8, 43 LB/CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.1 x W2.1).....	1.57	
For >5 Ton, Deduct	-0.21	
03 22 13 00-0008 SF 4" x 4" x #6, 62 LB/CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.9 x W2.9).....	2.16	
For >5 Ton, Deduct	-0.27	
03 22 13 00-0009 SF 4" x 4" x #4, 85 LB/CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W4.0 x W4.0).....	2.58	
For >5 Ton, Deduct	-0.32	

<b>03</b>	<b>Concrete</b>
<b>03 20</b>	<b>Concrete Reinforcing</b>
<b>03 22</b>	<b>Fabric and Grid Reinforcing</b>



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

03 22 13 00-0010	Galvanized Welded Wire Reinforcement Wrap Placed In Beams And Columns <sup>(03 22 13)</sup>		
	Note: Includes bar chairs. Under 5 tons.		
03 22 13 00-0011	SF 2" x 2" x #14, 21 LB/CSF, Galvanized Welded Wire Fabric Reinforcing Wrap Placed In Beams And Columns (W0.5 x W0.5).....	3.56	
	For >5 Ton, Deduct		-0.53

### 03 22 16 Epoxy-Coated Welded Wire Fabric Reinforcing <sup>(03 22)</sup>

03 22 16 00-0001	Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs <sup>(03 22 16)</sup>		
	Note: Includes bar chairs. Under 5 tons.		
03 22 16 00-0002	SF 6" x 6" x #10, 21 LB/CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W1.4 x W1.4).....	1.07	
	For >5 Ton, Deduct		-0.15
03 22 16 00-0003	SF 6" x 6" x #8, 29 LB/CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.1 x W2.1).....	1.24	
	For >5 Ton, Deduct		-0.17
03 22 16 00-0004	SF 6" x 6" x #6, 42 LB/CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.9 x W2.9).....	1.46	
	For >5 Ton, Deduct		-0.20
03 22 16 00-0005	SF 6" x 6" x #4, 58 LB/CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W4.0 x W4.0).....	1.82	
	For >5 Ton, Deduct		-0.24
03 22 16 00-0006	SF 4" x 4" x #10, 31 LB/CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W1.4 x W1.4).....	1.33	
	For >5 Ton, Deduct		-0.18
03 22 16 00-0007	SF 4" x 4" x #8, 43 LB/CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.1 x W2.1).....	1.54	
	For >5 Ton, Deduct		-0.20
03 22 16 00-0008	SF 4" x 4" x #6, 62 LB/CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.9 x W2.9).....	2.11	
	For >5 Ton, Deduct		-0.26
03 22 16 00-0009	SF 4" x 4" x #4, 85 LB/CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W4.0 x W4.0).....	2.51	
	For >5 Ton, Deduct		-0.31

### 03 30 Cast-In-Place Concrete <sup>(03)</sup>

See CSI section 01 74 19 00-0055 for hauling over 15 miles.

#### 03 30 53 Miscellaneous Cast-in-Place Concrete <sup>(03 30)</sup>

03 30 53 00-0001	Place Concrete Duct Bank <sup>(03 30 53)</sup>		
03 30 53 00-0002	CY Direct Chute, Place 3,000 PSI Concrete Duct Bank .....	223.43	
	For 2,000 PSI Concrete, Deduct		-10.29
	For 2,500 PSI Concrete, Deduct		-5.14
	For 3,500 PSI Concrete, Add		9.52
	For 3,750 PSI Concrete, Add		12.95
	For 4,000 PSI Concrete, Add		16.38
	For 4,500 PSI Concrete, Add		19.05
	For 5,000 PSI Concrete, Add		21.71
	For 6,000 PSI Concrete, Add		51.43
	For 7,500 PSI Concrete, Add		127.71
	For White Cement Concrete, Add		22.86
	For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add		24.76
	For High Early Strength, Type 3 ASTM C150, Add		19.05
	For Lightweight Aggregate, ASTM C330, Add		66.66
	For Up To 20, Add		13.18
	For >20 To 50, Add		4.94
	For >100 To 200, Deduct		-4.47
	For >200 To 400, Deduct		-8.94
	For >400, Deduct		-13.41

03 30 53 00-0003	Place Concrete Thrust Blocks And Backfill <sup>(03 30 53)</sup>		
03 30 53 00-0004	CY Direct Chute, Place 3,000 PSI Concrete Thrust Blocks .....	264.91	
	For 2,000 PSI Concrete, Deduct		-10.29
	For 2,500 PSI Concrete, Deduct		-5.14
	For 3,500 PSI Concrete, Add		9.52
	For 3,750 PSI Concrete, Add		12.95
	For 4,000 PSI Concrete, Add		16.38
	For 4,500 PSI Concrete, Add		19.05
	For 5,000 PSI Concrete, Add		21.71
	For 6,000 PSI Concrete, Add		51.43
	For 7,500 PSI Concrete, Add		127.72
	For White Cement Concrete, Add		22.86
	For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add		24.76
	For High Early Strength, Type 3 ASTM C150, Add		19.05
	For Lightweight Aggregate, ASTM C330, Add		66.67

03 30 53 00-0005	Place Concrete Slurry <sup>(03 30 53)</sup>		
03 30 53 00-0006	CY Direct Chute, Place Two Sack Cement, Concrete Slurry .....	206.07	
	Note: Two 94# sack cement per CY.		
03 30 53 00-0007	CY Concrete Pump, Place Two Sack Cement, Concrete Slurry .....	199.51	
	Note: Two 94# sack cement per CY. Excludes pumping equipment.		



<b>Concrete</b>	<b>03</b>	<b>03</b>
Cast-In-Place Concrete	03 30	
Miscellaneous Cast-in-Place Concrete	03 30 53	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>03 30 53 00-0008 Hand Mix And Place Concrete</b> <small>(03 30 53)</small>		
03 30 53 00-0009 CF Hand Mix And Place 3,000 PSI Concrete.....	20.14	
Note: For use where conventional equipment access is limited or when directed by the owner. Includes local aggregate, sand, bagged cement (Type I) and water.		
For Up To 25 CF, Add	2.42	
For 2,000 PSI Concrete, Deduct	-0.44	
For 2,500 PSI Concrete, Deduct	-0.22	
For 3,500 PSI Concrete, Add	0.41	
 <b>03 31 Structural Concrete</b> <small>(03 30)</small>		
<b>03 31 13 Heavyweight Structural Concrete</b> <small>(03 31)</small>		
Note: Includes delivery, fuel charge and placement of material. See CSI section 02 41 00 00-0000 for demolition, 03 05 13 00-0001 for admixtures, 03 11 00 00-0000 for forming, 03 20 00 00-0000 for reinforcing, 03 31 13 00-0086 for small concrete purchases (short load), 03 35 00 00-0000 for finishing, 03 39 00 00-0000 for curing.		
03 31 13 00-0001 Concrete Slab Assemblies <small>(03 31 13)</small>		
03 31 13 00-0002 3,000 PSI Slab On Grade Concrete Slabs Assemblies <small>(03 31 13 00-0001)</small>		
Note: Includes forms, welded wire reinforcement (where necessary), #3 to #6 reinforcing rods at 12" on center each way with chairs (where necessary), vapor barrier, concrete, curing, latex or hot asphalt expansion joints, control joints, screed, float, and finish for pedestrian slabs. Excludes excavation, base, earthwork, and expansion joints along existing slab. See CSI section 03 05 13 00-0001 for color additive alternative, 03 37 16 00-0001 for concrete pumping equipment.		
03 31 13 00-0003 SF 4" 3,000 PSI Slab On Grade Concrete Slab Assembly.....	8.39	
For 2,000 PSI Concrete, Deduct	-0.25	
For 2,500 PSI Concrete, Deduct	-0.12	
For 3,500 PSI Concrete, Add	0.09	
For 4,000 PSI Concrete, Add	0.29	
For 4,500 PSI Concrete, Add	0.36	
For 5,000 PSI Concrete, Add	0.42	
For Reinforcing Rods Are At 18" On Center, Deduct	-0.40	
For Reinforcing Rods Are At 24" On Center, Deduct	-0.59	
For Up To 500, Add	3.19	
For >500 To 1,000, Add	2.20	
For >1,000 To 2,000, Add	1.22	
For >2,000 To 5,000, Add	0.61	
For >10,000 To 20,000, Deduct	-0.23	
For >20,000 To 35,000, Deduct	-0.44	
For >35,000 To 50,000, Deduct	-0.65	
For >50,000 To 70,000, Deduct	-0.86	
For >70,000, Deduct	-1.07	
03 31 13 00-0004 SF 5" 3,000 PSI Slab On Grade Concrete Slab Assembly.....	9.19	
For 2,000 PSI Concrete, Deduct	-0.28	
For 2,500 PSI Concrete, Deduct	-0.14	
For 3,500 PSI Concrete, Add	0.10	
For 4,000 PSI Concrete, Add	0.33	
For 4,500 PSI Concrete, Add	0.41	
For 5,000 PSI Concrete, Add	0.48	
For Reinforcing Rods Are At 18" On Center, Deduct	-0.40	
For Reinforcing Rods Are At 24" On Center, Deduct	-0.59	
For Up To 500, Add	3.41	
For >500 To 1,000, Add	2.36	
For >1,000 To 2,000, Add	1.31	
For >2,000 To 5,000, Add	0.66	
For >10,000 To 20,000, Deduct	-0.26	
For >20,000 To 35,000, Deduct	-0.49	
For >35,000 To 50,000, Deduct	-0.72	
For >50,000 To 70,000, Deduct	-0.95	
For >70,000, Deduct	-1.18	
03 31 13 00-0005 SF 6" 3,000 PSI Slab On Grade Concrete Slab Assembly.....	10.34	
For 2,000 PSI Concrete, Deduct	-0.33	
For 2,500 PSI Concrete, Deduct	-0.17	
For 3,500 PSI Concrete, Add	0.12	
For 4,000 PSI Concrete, Add	0.39	
For 4,500 PSI Concrete, Add	0.49	
For 5,000 PSI Concrete, Add	0.56	
For Reinforcing Rods Are At 18" On Center, Deduct	-0.40	
For Reinforcing Rods Are At 24" On Center, Deduct	-0.59	
For Up To 500, Add	3.75	
For >500 To 1,000, Add	2.60	
For >1,000 To 2,000, Add	1.45	
For >2,000 To 5,000, Add	0.73	
For >10,000 To 20,000, Deduct	-0.31	
For >20,000 To 35,000, Deduct	-0.57	
For >35,000 To 50,000, Deduct	-0.82	
For >50,000 To 70,000, Deduct	-1.08	
For >70,000, Deduct	-1.34	

<b>03</b>	<b>Concrete</b>
<b>03 30</b>	<b>Cast-In-Place Concrete</b>
<b>03 31</b>	<b>Structural Concrete</b>



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

03 31 13 00-0006	SF 7" 3,000 PSI Slab On Grade Concrete Slab Assembly.....	11.43
	For 2,000 PSI Concrete, Deduct	-0.38
	For 2,500 PSI Concrete, Deduct	-0.19
	For 3,500 PSI Concrete, Add	0.13
	For 4,000 PSI Concrete, Add	0.44
	For 4,500 PSI Concrete, Add	0.56
	For 5,000 PSI Concrete, Add	0.64
	For Reinforcing Rods Are At 18" On Center, Deduct	-0.40
	For Reinforcing Rods Are At 24" On Center, Deduct	-0.59
	For Up To 500, Add	4.03
	For >500 To 1,000, Add	2.81
	For >1,000 To 2,000, Add	1.58
	For >2,000 To 5,000, Add	0.79
	For >10,000 To 20,000, Deduct	-0.35
	For >20,000 To 35,000, Deduct	-0.64
	For >35,000 To 50,000, Deduct	-0.92
	For >50,000 To 70,000, Deduct	-1.21
	For >70,000, Deduct	-1.50
03 31 13 00-0007	SF 8" 3,000 PSI Slab On Grade Concrete Slab Assembly.....	12.37
	For 2,000 PSI Concrete, Deduct	-0.42
	For 2,500 PSI Concrete, Deduct	-0.21
	For 3,500 PSI Concrete, Add	0.15
	For 4,000 PSI Concrete, Add	0.49
	For 4,500 PSI Concrete, Add	0.62
	For 5,000 PSI Concrete, Add	0.71
	For Reinforcing Rods Are At 18" On Center, Deduct	-0.40
	For Reinforcing Rods Are At 24" On Center, Deduct	-0.59
	For Up To 500, Add	4.29
	For >500 To 1,000, Add	2.99
	For >1,000 To 2,000, Add	1.69
	For >2,000 To 5,000, Add	0.85
	For >10,000 To 20,000, Deduct	-0.39
	For >20,000 To 35,000, Deduct	-0.70
	For >35,000 To 50,000, Deduct	-1.01
	For >50,000 To 70,000, Deduct	-1.32
	For >70,000, Deduct	-1.63
03 31 13 00-0008	SF 10" 3,000 PSI Slab On Grade Concrete Slab Assembly.....	14.79
	For 2,000 PSI Concrete, Deduct	-0.53
	For 2,500 PSI Concrete, Deduct	-0.27
	For 3,500 PSI Concrete, Add	0.19
	For 4,000 PSI Concrete, Add	0.62
	For 4,500 PSI Concrete, Add	0.78
	For 5,000 PSI Concrete, Add	0.90
	For Reinforcing Rods Are At 18" On Center, Deduct	-0.40
	For Reinforcing Rods Are At 24" On Center, Deduct	-0.59
	For Up To 500, Add	4.92
	For >500 To 1,000, Add	3.45
	For >1,000 To 2,000, Add	1.97
	For >2,000 To 5,000, Add	0.99
	For >10,000 To 20,000, Deduct	-0.49
	For >20,000 To 35,000, Deduct	-0.86
	For >35,000 To 50,000, Deduct	-1.23
	For >50,000 To 70,000, Deduct	-1.60
	For >70,000, Deduct	-1.97
03 31 13 00-0009	SF 12" 3,000 PSI Slab On Grade Concrete Slab Assembly.....	16.64
	For 2,000 PSI Concrete, Deduct	-0.61
	For 2,500 PSI Concrete, Deduct	-0.31
	For 3,500 PSI Concrete, Add	0.22
	For 4,000 PSI Concrete, Add	0.72
	For 4,500 PSI Concrete, Add	0.90
	For 5,000 PSI Concrete, Add	1.04
	For Reinforcing Rods Are At 18" On Center, Deduct	-0.40
	For Reinforcing Rods Are At 24" On Center, Deduct	-0.59
	For Up To 500, Add	5.43
	For >500 To 1,000, Add	3.81
	For >1,000 To 2,000, Add	2.19
	For >2,000 To 5,000, Add	1.10
	For >10,000 To 20,000, Deduct	-0.57
	For >20,000 To 35,000, Deduct	-0.99
	For >35,000 To 50,000, Deduct	-1.40
	For >50,000 To 70,000, Deduct	-1.82
	For >70,000, Deduct	-2.23

- 03 31 13 00-0010 Concrete Delivery And Placement (03 31 13)  
Note: Includes cleaning out equipment and standard concrete placement tests. See CSI section 01 45 23 00-0000 for additional tests, 03 05 13 00-0001 for admixtures.
- 03 31 13 00-0011 Place Concrete By Method Indicated (03 31 13 00-0010)  
Note: Tasks for concrete placement "By Concrete Pump" exclude the pumping equipment. See CSI section 03 37 16 00-0001 for concrete pumping equipment.
- 03 31 13 00-0012 Place Concrete Pile Caps (03 31 13 00-0011)



<b>Concrete</b>	<b>03</b>	<b>03</b>
Cast-In-Place Concrete	03 30	
Structural Concrete	03 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0013 CY Crane And Bucket, Place 3,000 PSI Concrete Pile Caps .....	316.24	
For 2,000 PSI Concrete, Deduct	-10.29	
For 2,500 PSI Concrete, Deduct	-5.14	
For 3,500 PSI Concrete, Add	9.52	
For 3,750 PSI Concrete, Add	12.95	
For 4,000 PSI Concrete, Add	16.38	
For 4,500 PSI Concrete, Add	19.05	
For 5,000 PSI Concrete, Add	21.71	
For 6,000 PSI Concrete, Add	51.43	
For 7,500 PSI Concrete, Add	127.72	
For White Cement Concrete, Add	22.86	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	24.76	
For High Early Strength, Type 3 ASTM C150, Add	19.05	
For Lightweight Aggregate, ASTM C330, Add	66.67	
For Up To 20, Add	50.30	
For >20 To 50, Add	18.86	
For >100 To 200, Deduct	-6.32	
For >200 To 400, Deduct	-12.65	
For >400, Deduct	-18.97	
03 31 13 00-0014 CY Direct Chute, Place 3,000 PSI Concrete Pile Caps .....	245.19	
For 2,000 PSI Concrete, Deduct	-10.29	
For 2,500 PSI Concrete, Deduct	-5.14	
For 3,500 PSI Concrete, Add	9.52	
For 3,750 PSI Concrete, Add	12.95	
For 4,000 PSI Concrete, Add	16.38	
For 4,500 PSI Concrete, Add	19.05	
For 5,000 PSI Concrete, Add	21.71	
For 6,000 PSI Concrete, Add	51.43	
For 7,500 PSI Concrete, Add	127.71	
For White Cement Concrete, Add	22.86	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	24.76	
For High Early Strength, Type 3 ASTM C150, Add	19.05	
For Lightweight Aggregate, ASTM C330, Add	66.66	
For Up To 20, Add	21.89	
For >20 To 50, Add	8.21	
For >100 To 200, Deduct	-4.90	
For >200 To 400, Deduct	-9.81	
For >400, Deduct	-14.71	
03 31 13 00-0015 CY Concrete Pump, Place 3,000 PSI Concrete Pile Caps .....	258.46	
Note: Excludes pumping equipment.		
For 2,000 PSI Concrete, Deduct	-11.14	
For 2,500 PSI Concrete, Deduct	-5.57	
For 3,500 PSI Concrete, Add	10.32	
For 3,750 PSI Concrete, Add	14.03	
For 4,000 PSI Concrete, Add	17.75	
For 4,500 PSI Concrete, Add	20.64	
For 5,000 PSI Concrete, Add	23.52	
For 6,000 PSI Concrete, Add	55.71	
For 7,500 PSI Concrete, Add	138.36	
For White Cement Concrete, Add	24.76	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	26.83	
For High Early Strength, Type 3 ASTM C150, Add	20.64	
For Lightweight Aggregate, ASTM C330, Add	72.22	
For Up To 20, Add	20.84	
For >20 To 50, Add	7.82	
For >100 To 200, Deduct	-5.17	
For >200 To 400, Deduct	-10.34	
For >400, Deduct	-15.51	
<b>03 31 13 00-0016 Place Concrete Continuous Footings (03 31 13 00-0011)</b>		
03 31 13 00-0017 CY Crane And Bucket, Place 3,000 PSI Concrete Continuous Footings .....	302.26	
For 2,000 PSI Concrete, Deduct	-10.29	
For 2,500 PSI Concrete, Deduct	-5.14	
For 3,500 PSI Concrete, Add	9.52	
For 3,750 PSI Concrete, Add	12.95	
For 4,000 PSI Concrete, Add	16.38	
For 4,500 PSI Concrete, Add	19.05	
For 5,000 PSI Concrete, Add	21.71	
For 6,000 PSI Concrete, Add	51.43	
For 7,500 PSI Concrete, Add	127.71	
For White Cement Concrete, Add	22.86	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	24.76	
For High Early Strength, Type 3 ASTM C150, Add	19.05	
For Lightweight Aggregate, ASTM C330, Add	66.66	
For Up To 20, Add	44.72	
For >20 To 50, Add	16.77	
For >100 To 200, Deduct	-6.05	
For >200 To 400, Deduct	-12.09	
For >400, Deduct	-18.14	



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

03 31 13 00-0018	CY Direct Chute, Place 3,000 PSI Concrete Continuous Footings.....	239.12	
	<i>For 2,000 PSI Concrete, Deduct</i>	-10.29	
	<i>For 2,500 PSI Concrete, Deduct</i>	-5.14	
	<i>For 3,500 PSI Concrete, Add</i>	9.52	
	<i>For 3,750 PSI Concrete, Add</i>	12.95	
	<i>For 4,000 PSI Concrete, Add</i>	16.38	
	<i>For 4,500 PSI Concrete, Add</i>	19.05	
	<i>For 5,000 PSI Concrete, Add</i>	21.71	
	<i>For 6,000 PSI Concrete, Add</i>	51.43	
	<i>For 7,500 PSI Concrete, Add</i>	127.71	
	<i>For White Cement Concrete, Add</i>	22.86	
	<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	24.76	
	<i>For High Early Strength, Type 3 ASTM C150, Add</i>	19.05	
	<i>For Lightweight Aggregate, ASTM C330, Add</i>	66.66	
	<i>For Up To 20, Add</i>	19.46	
	<i>For &gt;20 To 50, Add</i>	7.30	
	<i>For &gt;100 To 200, Deduct</i>	-4.78	
	<i>For &gt;200 To 400, Deduct</i>	-9.56	
	<i>For &gt;400, Deduct</i>	-14.35	
03 31 13 00-0019	CY Concrete Pump, Place 3,000 PSI Concrete Continuous Footings.....	252.68	
	Note: Excludes pumping equipment.		
	<i>For 2,000 PSI Concrete, Deduct</i>	-11.14	
	<i>For 2,500 PSI Concrete, Deduct</i>	-5.57	
	<i>For 3,500 PSI Concrete, Add</i>	10.32	
	<i>For 3,750 PSI Concrete, Add</i>	14.03	
	<i>For 4,000 PSI Concrete, Add</i>	17.75	
	<i>For 4,500 PSI Concrete, Add</i>	20.64	
	<i>For 5,000 PSI Concrete, Add</i>	23.52	
	<i>For 6,000 PSI Concrete, Add</i>	55.71	
	<i>For 7,500 PSI Concrete, Add</i>	138.36	
	<i>For White Cement Concrete, Add</i>	24.76	
	<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	26.83	
	<i>For High Early Strength, Type 3 ASTM C150, Add</i>	20.64	
	<i>For Lightweight Aggregate, ASTM C330, Add</i>	72.22	
	<i>For Up To 20, Add</i>	18.53	
	<i>For &gt;20 To 50, Add</i>	6.95	
	<i>For &gt;100 To 200, Deduct</i>	-5.05	
	<i>For &gt;200 To 400, Deduct</i>	-10.11	
	<i>For &gt;400, Deduct</i>	-15.16	
03 31 13 00-0020	Place Concrete Spread Footings (03 31 13 00-0011)		
03 31 13 00-0021	CY Crane And Bucket, Place 3,000 PSI Concrete Spread Footings.....	379.11	
	<i>For 2,000 PSI Concrete, Deduct</i>	-10.29	
	<i>For 2,500 PSI Concrete, Deduct</i>	-5.14	
	<i>For 3,500 PSI Concrete, Add</i>	9.52	
	<i>For 3,750 PSI Concrete, Add</i>	12.95	
	<i>For 4,000 PSI Concrete, Add</i>	16.38	
	<i>For 4,500 PSI Concrete, Add</i>	19.05	
	<i>For 5,000 PSI Concrete, Add</i>	21.71	
	<i>For 6,000 PSI Concrete, Add</i>	51.43	
	<i>For 7,500 PSI Concrete, Add</i>	127.71	
	<i>For White Cement Concrete, Add</i>	22.86	
	<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	24.76	
	<i>For High Early Strength, Type 3 ASTM C150, Add</i>	19.05	
	<i>For Lightweight Aggregate, ASTM C330, Add</i>	66.66	
	<i>For Up To 20, Add</i>	75.46	
	<i>For &gt;20 To 50, Add</i>	28.30	
	<i>For &gt;100 To 200, Deduct</i>	-7.58	
	<i>For &gt;200 To 400, Deduct</i>	-15.16	
	<i>For &gt;400, Deduct</i>	-22.75	
03 31 13 00-0022	CY Direct Chute, Place 3,000 PSI Concrete Spread Footings.....	272.56	
	<i>For 2,000 PSI Concrete, Deduct</i>	-10.29	
	<i>For 2,500 PSI Concrete, Deduct</i>	-5.14	
	<i>For 3,500 PSI Concrete, Add</i>	9.52	
	<i>For 3,750 PSI Concrete, Add</i>	12.95	
	<i>For 4,000 PSI Concrete, Add</i>	16.38	
	<i>For 4,500 PSI Concrete, Add</i>	19.05	
	<i>For 5,000 PSI Concrete, Add</i>	21.71	
	<i>For 6,000 PSI Concrete, Add</i>	51.43	
	<i>For 7,500 PSI Concrete, Add</i>	127.71	
	<i>For White Cement Concrete, Add</i>	22.86	
	<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	24.76	
	<i>For High Early Strength, Type 3 ASTM C150, Add</i>	19.05	
	<i>For Lightweight Aggregate, ASTM C330, Add</i>	66.66	
	<i>For Up To 20, Add</i>	32.84	
	<i>For &gt;20 To 50, Add</i>	12.31	
	<i>For &gt;100 To 200, Deduct</i>	-5.45	
	<i>For &gt;200 To 400, Deduct</i>	-10.90	
	<i>For &gt;400, Deduct</i>	-16.35	



<b>Concrete</b>	<b>03</b>	<b>03</b>
Cast-In-Place Concrete	03 30	
Structural Concrete	03 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0023 CY Concrete Pump, Place 3,000 PSI Concrete Spread Footings .....284.53 Note: Excludes pumping equipment.		
For 2,000 PSI Concrete, Deduct	-11.14	
For 2,500 PSI Concrete, Deduct	-5.57	
For 3,500 PSI Concrete, Add	10.32	
For 3,750 PSI Concrete, Add	14.03	
For 4,000 PSI Concrete, Add	17.75	
For 4,500 PSI Concrete, Add	20.64	
For 5,000 PSI Concrete, Add	23.52	
For 6,000 PSI Concrete, Add	55.71	
For 7,500 PSI Concrete, Add	138.36	
For White Cement Concrete, Add	24.76	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	26.83	
For High Early Strength, Type 3 ASTM C150, Add	20.64	
For Lightweight Aggregate, ASTM C330, Add	72.22	
For Up To 20, Add	31.27	
For >20 To 50, Add	11.73	
For >100 To 200, Deduct	-5.69	
For >200 To 400, Deduct	-11.38	
For >400, Deduct	-17.07	
<b>03 31 13 00-0024 Place Concrete Mat Foundation (03 31 13 00-0011)</b>		
03 31 13 00-0025 CY Crane And Bucket, Place 3,000 PSI Concrete Mat Foundation.....224.00		
For 2,000 PSI Concrete, Deduct	-10.29	
For 2,500 PSI Concrete, Deduct	-5.14	
For 3,500 PSI Concrete, Add	9.52	
For 3,750 PSI Concrete, Add	12.95	
For 4,000 PSI Concrete, Add	16.38	
For 4,500 PSI Concrete, Add	19.05	
For 5,000 PSI Concrete, Add	21.71	
For 6,000 PSI Concrete, Add	51.43	
For 7,500 PSI Concrete, Add	127.71	
For White Cement Concrete, Add	22.86	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	24.76	
For High Early Strength, Type 3 ASTM C150, Add	19.05	
For Lightweight Aggregate, ASTM C330, Add	66.66	
For Up To 20, Add	13.41	
For >20 To 50, Add	5.03	
For >100 To 200, Deduct	-4.48	
For >200 To 400, Deduct	-8.96	
For >400, Deduct	-13.44	
03 31 13 00-0026 CY Direct Chute, Place 3,000 PSI Concrete Mat Foundation.....205.06		
For 2,000 PSI Concrete, Deduct	-10.29	
For 2,500 PSI Concrete, Deduct	-5.14	
For 3,500 PSI Concrete, Add	9.52	
For 3,750 PSI Concrete, Add	12.95	
For 4,000 PSI Concrete, Add	16.38	
For 4,500 PSI Concrete, Add	19.05	
For 5,000 PSI Concrete, Add	21.71	
For 6,000 PSI Concrete, Add	51.43	
For 7,500 PSI Concrete, Add	127.71	
For White Cement Concrete, Add	22.86	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	24.76	
For High Early Strength, Type 3 ASTM C150, Add	19.05	
For Lightweight Aggregate, ASTM C330, Add	66.66	
For Up To 20, Add	5.84	
For >20 To 50, Add	2.19	
For >100 To 200, Deduct	-4.10	
For >200 To 400, Deduct	-8.20	
For >400, Deduct	-12.30	
03 31 13 00-0027 CY Concrete Pump, Place 3,000 PSI Concrete Mat Foundation.....218.51 Note: Excludes pumping equipment.		
For 2,000 PSI Concrete, Deduct	-11.14	
For 2,500 PSI Concrete, Deduct	-5.57	
For 3,500 PSI Concrete, Add	10.32	
For 3,750 PSI Concrete, Add	14.03	
For 4,000 PSI Concrete, Add	17.75	
For 4,500 PSI Concrete, Add	20.64	
For 5,000 PSI Concrete, Add	23.52	
For 6,000 PSI Concrete, Add	55.71	
For 7,500 PSI Concrete, Add	138.36	
For White Cement Concrete, Add	24.76	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	26.83	
For High Early Strength, Type 3 ASTM C150, Add	20.64	
For Lightweight Aggregate, ASTM C330, Add	72.22	
For Up To 20, Add	4.86	
For >20 To 50, Add	1.82	
For >100 To 200, Deduct	-4.37	
For >200 To 400, Deduct	-8.74	
For >400, Deduct	-13.11	
<b>03 31 13 00-0028 Place Concrete Grade Beams (03 31 13 00-0011)</b>		

<b>03</b>	<b>Concrete</b>
<b>03 30</b>	<b>Cast-In-Place Concrete</b>
<b>03 31</b>	<b>Structural Concrete</b>



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

03 31 13 00-0029	CY Crane And Bucket, Place 3,000 PSI Concrete Grade Beams.....	279.90
	<i>For 2,000 PSI Concrete, Deduct</i>	-10.29
	<i>For 2,500 PSI Concrete, Deduct</i>	-5.14
	<i>For 3,500 PSI Concrete, Add</i>	9.52
	<i>For 3,750 PSI Concrete, Add</i>	12.95
	<i>For 4,000 PSI Concrete, Add</i>	16.38
	<i>For 4,500 PSI Concrete, Add</i>	19.05
	<i>For 5,000 PSI Concrete, Add</i>	21.71
	<i>For 6,000 PSI Concrete, Add</i>	51.43
	<i>For 7,500 PSI Concrete, Add</i>	127.71
	<i>For White Cement Concrete, Add</i>	22.86
	<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	24.76
	<i>For High Early Strength, Type 3 ASTM C150, Add</i>	19.05
	<i>For Lightweight Aggregate, ASTM C330, Add</i>	66.66
	<i>For Up To 20, Add</i>	35.77
	<i>For &gt;20 To 50, Add</i>	13.41
	<i>For &gt;100 To 200, Deduct</i>	-5.60
	<i>For &gt;200 To 400, Deduct</i>	-11.20
	<i>For &gt;400, Deduct</i>	-16.79
03 31 13 00-0030	CY Direct Chute, Place 3,000 PSI Concrete Grade Beams.....	229.38
	<i>For 2,000 PSI Concrete, Deduct</i>	-10.29
	<i>For 2,500 PSI Concrete, Deduct</i>	-5.14
	<i>For 3,500 PSI Concrete, Add</i>	9.52
	<i>For 3,750 PSI Concrete, Add</i>	12.95
	<i>For 4,000 PSI Concrete, Add</i>	16.38
	<i>For 4,500 PSI Concrete, Add</i>	19.05
	<i>For 5,000 PSI Concrete, Add</i>	21.71
	<i>For 6,000 PSI Concrete, Add</i>	51.43
	<i>For 7,500 PSI Concrete, Add</i>	127.71
	<i>For White Cement Concrete, Add</i>	22.86
	<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	24.76
	<i>For High Early Strength, Type 3 ASTM C150, Add</i>	19.05
	<i>For Lightweight Aggregate, ASTM C330, Add</i>	66.66
	<i>For Up To 20, Add</i>	15.56
	<i>For &gt;20 To 50, Add</i>	5.84
	<i>For &gt;100 To 200, Deduct</i>	-4.59
	<i>For &gt;200 To 400, Deduct</i>	-9.18
	<i>For &gt;400, Deduct</i>	-13.76
03 31 13 00-0031	CY Concrete Pump, Place 3,000 PSI Concrete Grade Beams.....	243.41
	Note: Excludes pumping equipment.	
	<i>For 2,000 PSI Concrete, Deduct</i>	-11.14
	<i>For 2,500 PSI Concrete, Deduct</i>	-5.57
	<i>For 3,500 PSI Concrete, Add</i>	10.32
	<i>For 3,750 PSI Concrete, Add</i>	14.03
	<i>For 4,000 PSI Concrete, Add</i>	17.75
	<i>For 4,500 PSI Concrete, Add</i>	20.64
	<i>For 5,000 PSI Concrete, Add</i>	23.52
	<i>For 6,000 PSI Concrete, Add</i>	55.71
	<i>For 7,500 PSI Concrete, Add</i>	138.36
	<i>For White Cement Concrete, Add</i>	24.76
	<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	26.83
	<i>For High Early Strength, Type 3 ASTM C150, Add</i>	20.64
	<i>For Lightweight Aggregate, ASTM C330, Add</i>	72.22
	<i>For Up To 20, Add</i>	14.82
	<i>For &gt;20 To 50, Add</i>	5.56
	<i>For &gt;100 To 200, Deduct</i>	-4.87
	<i>For &gt;200 To 400, Deduct</i>	-9.74
	<i>For &gt;400, Deduct</i>	-14.60
03 31 13 00-0032	Place Concrete Slab On Grade <small>(03 31 13 00-0011)</small>	
03 31 13 00-0033	CY Up To 6", By Crane And Bucket, Place 3,000 PSI Concrete Slab On Grade.....	282.00
	<i>For 2,000 PSI Concrete, Deduct</i>	-10.29
	<i>For 2,500 PSI Concrete, Deduct</i>	-5.14
	<i>For 3,500 PSI Concrete, Add</i>	9.52
	<i>For 3,750 PSI Concrete, Add</i>	12.95
	<i>For 4,000 PSI Concrete, Add</i>	16.38
	<i>For 4,500 PSI Concrete, Add</i>	19.05
	<i>For 5,000 PSI Concrete, Add</i>	21.71
	<i>For 6,000 PSI Concrete, Add</i>	51.43
	<i>For 7,500 PSI Concrete, Add</i>	127.71
	<i>For White Cement Concrete, Add</i>	22.86
	<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	24.76
	<i>For High Early Strength, Type 3 ASTM C150, Add</i>	19.05
	<i>For Lightweight Aggregate, ASTM C330, Add</i>	66.66
	<i>For Up To 20, Add</i>	36.61
	<i>For &gt;20 To 50, Add</i>	13.73
	<i>For &gt;100 To 200, Deduct</i>	-5.64
	<i>For &gt;200 To 400, Deduct</i>	-11.28
	<i>For &gt;400, Deduct</i>	-16.92





<b>Concrete</b>	<b>03</b>	<b>03</b>
Cast-In-Place Concrete	03 30	
Structural Concrete	03 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0034 CY >6", By Crane And Bucket, Place 3,000 PSI Concrete Slab On Grade .....	259.93	
For 2,000 PSI Concrete, Deduct	-10.29	
For 2,500 PSI Concrete, Deduct	-5.14	
For 3,500 PSI Concrete, Add	9.52	
For 3,750 PSI Concrete, Add	12.95	
For 4,000 PSI Concrete, Add	16.38	
For 4,500 PSI Concrete, Add	19.05	
For 5,000 PSI Concrete, Add	21.71	
For 6,000 PSI Concrete, Add	51.43	
For 7,500 PSI Concrete, Add	127.71	
For White Cement Concrete, Add	22.86	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	24.76	
For High Early Strength, Type 3 ASTM C150, Add	19.05	
For Lightweight Aggregate, ASTM C330, Add	66.66	
For Up To 20, Add	27.78	
For >20 To 50, Add	10.42	
For >100 To 200, Deduct	-5.20	
For >200 To 400, Deduct	-10.40	
For >400, Deduct	-15.60	
03 31 13 00-0035 CY Up To 6", By Direct Chute, Place 3,000 PSI Concrete Slab On Grade .....	230.30	
For 2,000 PSI Concrete, Deduct	-10.29	
For 2,500 PSI Concrete, Deduct	-5.14	
For 3,500 PSI Concrete, Add	9.52	
For 3,750 PSI Concrete, Add	12.95	
For 4,000 PSI Concrete, Add	16.38	
For 4,500 PSI Concrete, Add	19.05	
For 5,000 PSI Concrete, Add	21.71	
For 6,000 PSI Concrete, Add	51.43	
For 7,500 PSI Concrete, Add	127.71	
For White Cement Concrete, Add	22.86	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	24.76	
For High Early Strength, Type 3 ASTM C150, Add	19.05	
For Lightweight Aggregate, ASTM C330, Add	66.66	
For Up To 20, Add	15.93	
For >20 To 50, Add	5.97	
For >100 To 200, Deduct	-4.61	
For >200 To 400, Deduct	-9.21	
For >400, Deduct	-13.82	
03 31 13 00-0036 CY >6", By Direct Chute, Place 3,000 PSI Concrete Slab On Grade .....	220.69	
For 2,000 PSI Concrete, Deduct	-10.29	
For 2,500 PSI Concrete, Deduct	-5.14	
For 3,500 PSI Concrete, Add	9.52	
For 3,750 PSI Concrete, Add	12.95	
For 4,000 PSI Concrete, Add	16.38	
For 4,500 PSI Concrete, Add	19.05	
For 5,000 PSI Concrete, Add	21.71	
For 6,000 PSI Concrete, Add	51.43	
For 7,500 PSI Concrete, Add	127.71	
For White Cement Concrete, Add	22.86	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	24.76	
For High Early Strength, Type 3 ASTM C150, Add	19.05	
For Lightweight Aggregate, ASTM C330, Add	66.66	
For Up To 20, Add	12.09	
For >20 To 50, Add	4.53	
For >100 To 200, Deduct	-4.41	
For >200 To 400, Deduct	-8.83	
For >400, Deduct	-13.24	
03 31 13 00-0037 CY Up To 6", By Concrete Pump, Place 3,000 PSI Concrete Slab On Grade .....	239.55	
Note: Excludes pumping equipment.		
For 2,000 PSI Concrete, Deduct	-11.14	
For 2,500 PSI Concrete, Deduct	-5.57	
For 3,500 PSI Concrete, Add	10.32	
For 3,750 PSI Concrete, Add	14.03	
For 4,000 PSI Concrete, Add	17.75	
For 4,500 PSI Concrete, Add	20.64	
For 5,000 PSI Concrete, Add	23.52	
For 6,000 PSI Concrete, Add	55.71	
For 7,500 PSI Concrete, Add	138.36	
For White Cement Concrete, Add	24.76	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	26.83	
For High Early Strength, Type 3 ASTM C150, Add	20.64	
For Lightweight Aggregate, ASTM C330, Add	72.22	
For Up To 20, Add	13.28	
For >20 To 50, Add	4.98	
For >100 To 200, Deduct	-4.79	
For >200 To 400, Deduct	-9.58	
For >400, Deduct	-14.37	

<b>03</b>	<b>Concrete</b>
<b>03 30</b>	<b>Cast-In-Place Concrete</b>
<b>03 31</b>	<b>Structural Concrete</b>



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

03 31 13 00-0038	CY	>6", By Concrete Pump, Place 3,000 PSI Concrete Slab On Grade .....	231.53
		Note: Excludes pumping equipment.	
		For 2,000 PSI Concrete, Deduct	-11.14
		For 2,500 PSI Concrete, Deduct	-5.57
		For 3,500 PSI Concrete, Add	10.32
		For 3,750 PSI Concrete, Add	14.03
		For 4,000 PSI Concrete, Add	17.75
		For 4,500 PSI Concrete, Add	20.64
		For 5,000 PSI Concrete, Add	23.52
		For 6,000 PSI Concrete, Add	55.71
		For 7,500 PSI Concrete, Add	138.36
		For White Cement Concrete, Add	24.76
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	26.83
		For High Early Strength, Type 3 ASTM C150, Add	20.64
		For Lightweight Aggregate, ASTM C330, Add	72.22
		For Up To 20, Add	10.07
		For >20 To 50, Add	3.78
		For >100 To 200, Deduct	-4.63
		For >200 To 400, Deduct	-9.26
		For >400, Deduct	-13.89

**03 31 13 00-0039 Place Concrete Stairs** (03 31 13 00-0011)

03 31 13 00-0040	CY	Crane And Bucket, Place 3,000 PSI On Grade Concrete Stairs .....	602.30
		For 2,000 PSI Concrete, Deduct	-10.29
		For 2,500 PSI Concrete, Deduct	-5.14
		For 3,500 PSI Concrete, Add	9.52
		For 3,750 PSI Concrete, Add	12.95
		For 4,000 PSI Concrete, Add	16.38
		For 4,500 PSI Concrete, Add	19.05
		For 5,000 PSI Concrete, Add	21.71
		For 6,000 PSI Concrete, Add	51.43
		For 7,500 PSI Concrete, Add	127.71
		For White Cement Concrete, Add	22.86
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	24.76
		For High Early Strength, Type 3 ASTM C150, Add	19.05
		For Lightweight Aggregate, ASTM C330, Add	66.66
		For Up To 20, Add	164.73
		For >20 To 50, Add	61.77
		For >100 To 200, Deduct	-12.05
		For >200 To 400, Deduct	-24.09
		For >400, Deduct	-36.14
03 31 13 00-0041	CY	Direct Chute, Place 3,000 PSI On Grade Concrete Stairs .....	369.71
		For 2,000 PSI Concrete, Deduct	-10.29
		For 2,500 PSI Concrete, Deduct	-5.14
		For 3,500 PSI Concrete, Add	9.52
		For 3,750 PSI Concrete, Add	12.95
		For 4,000 PSI Concrete, Add	16.38
		For 4,500 PSI Concrete, Add	19.05
		For 5,000 PSI Concrete, Add	21.71
		For 6,000 PSI Concrete, Add	51.43
		For 7,500 PSI Concrete, Add	127.71
		For White Cement Concrete, Add	22.86
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	24.76
		For High Early Strength, Type 3 ASTM C150, Add	19.05
		For Lightweight Aggregate, ASTM C330, Add	66.66
		For Up To 20, Add	71.70
		For >20 To 50, Add	26.89
		For >100 To 200, Deduct	-7.39
		For >200 To 400, Deduct	-14.79
		For >400, Deduct	-22.18
03 31 13 00-0042	CY	Concrete Pump, Place 3,000 PSI On Grade Concrete Stairs .....	355.73
		Note: Excludes pumping equipment.	
		For 2,000 PSI Concrete, Deduct	-11.14
		For 2,500 PSI Concrete, Deduct	-5.57
		For 3,500 PSI Concrete, Add	10.32
		For 3,750 PSI Concrete, Add	14.03
		For 4,000 PSI Concrete, Add	17.75
		For 4,500 PSI Concrete, Add	20.64
		For 5,000 PSI Concrete, Add	23.52
		For 6,000 PSI Concrete, Add	55.71
		For 7,500 PSI Concrete, Add	138.36
		For White Cement Concrete, Add	24.76
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	26.83
		For High Early Strength, Type 3 ASTM C150, Add	20.64
		For Lightweight Aggregate, ASTM C330, Add	72.22
		For Up To 20, Add	59.75
		For >20 To 50, Add	22.41
		For >100 To 200, Deduct	-7.11
		For >200 To 400, Deduct	-14.23
		For >400, Deduct	-21.34

03 31 13 00-0043 Place Concrete Superstructure By Method Indicated (03 31 13 00-0010)

See CSI section 03 37 16 00-0001 for concrete pump truck.

03 31 13 00-0044 Place Elevated Concrete Beams (03 31 13 00-0043)



<b>Concrete</b>	<b>03</b>	<b>03</b>
Cast-In-Place Concrete	03 30	
Structural Concrete	03 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0045 CY Crane And Bucket, Place 3,000 PSI Elevated Concrete Beams .....	414.05	
For 2,000 PSI Concrete, Deduct	-10.29	
For 2,500 PSI Concrete, Deduct	-5.14	
For 3,500 PSI Concrete, Add	9.52	
For 3,750 PSI Concrete, Add	12.95	
For 4,000 PSI Concrete, Add	16.38	
For 4,500 PSI Concrete, Add	19.05	
For 5,000 PSI Concrete, Add	21.71	
For 6,000 PSI Concrete, Add	51.43	
For 7,500 PSI Concrete, Add	127.71	
For White Cement Concrete, Add	22.86	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	24.76	
For High Early Strength, Type 3 ASTM C150, Add	19.05	
For Lightweight Aggregate, ASTM C330, Add	66.66	
For Up To 20, Add	89.43	
For >20 To 50, Add	33.54	
For >100 To 200, Deduct	-8.28	
For >200 To 400, Deduct	-16.56	
For >400, Deduct	-24.84	
03 31 13 00-0046 CY Concrete Pump, Place 3,000 PSI Elevated Concrete Beams.....	299.00	
Note: Excludes pumping equipment.		
For 2,000 PSI Concrete, Deduct	-11.14	
For 2,500 PSI Concrete, Deduct	-5.57	
For 3,500 PSI Concrete, Add	10.32	
For 3,750 PSI Concrete, Add	14.03	
For 4,000 PSI Concrete, Add	17.75	
For 4,500 PSI Concrete, Add	20.64	
For 5,000 PSI Concrete, Add	23.52	
For 6,000 PSI Concrete, Add	55.71	
For 7,500 PSI Concrete, Add	138.36	
For White Cement Concrete, Add	24.76	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	26.83	
For High Early Strength, Type 3 ASTM C150, Add	20.64	
For Lightweight Aggregate, ASTM C330, Add	72.22	
For Up To 20, Add	37.06	
For >20 To 50, Add	13.90	
For >100 To 200, Deduct	-5.98	
For >200 To 400, Deduct	-11.96	
For >400, Deduct	-17.94	
<b>03 31 13 00-0047 Place Elevated Concrete Slab (03 31 13 00-0043)</b>		
03 31 13 00-0048 CY Up To 6", By Crane And Bucket, Place 3,000 PSI Elevated Concrete Slab .....	295.73	
For 2,000 PSI Concrete, Deduct	-10.29	
For 2,500 PSI Concrete, Deduct	-5.14	
For 3,500 PSI Concrete, Add	9.52	
For 3,750 PSI Concrete, Add	12.95	
For 4,000 PSI Concrete, Add	16.38	
For 4,500 PSI Concrete, Add	19.05	
For 5,000 PSI Concrete, Add	21.71	
For 6,000 PSI Concrete, Add	51.43	
For 7,500 PSI Concrete, Add	127.71	
For White Cement Concrete, Add	22.86	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	24.76	
For High Early Strength, Type 3 ASTM C150, Add	19.05	
For Lightweight Aggregate, ASTM C330, Add	66.66	
For Up To 20, Add	42.10	
For >20 To 50, Add	15.79	
For >100 To 200, Deduct	-5.91	
For >200 To 400, Deduct	-11.83	
For >400, Deduct	-17.74	
03 31 13 00-0049 CY >6", By Crane And Bucket, Place 3,000 PSI Elevated Concrete Slab.....	270.33	
For 2,000 PSI Concrete, Deduct	-10.29	
For 2,500 PSI Concrete, Deduct	-5.14	
For 3,500 PSI Concrete, Add	9.52	
For 3,750 PSI Concrete, Add	12.95	
For 4,000 PSI Concrete, Add	16.38	
For 4,500 PSI Concrete, Add	19.05	
For 5,000 PSI Concrete, Add	21.71	
For 6,000 PSI Concrete, Add	51.43	
For 7,500 PSI Concrete, Add	127.71	
For White Cement Concrete, Add	22.86	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	24.76	
For High Early Strength, Type 3 ASTM C150, Add	19.05	
For Lightweight Aggregate, ASTM C330, Add	66.66	
For Up To 20, Add	31.94	
For >20 To 50, Add	11.98	
For >100 To 200, Deduct	-5.41	
For >200 To 400, Deduct	-10.81	
For >400, Deduct	-16.22	

<b>03</b>	<b>Concrete</b>
<b>03 30</b>	<b>Cast-In-Place Concrete</b>
<b>03 31</b>	<b>Structural Concrete</b>



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

03 31 13 00-0050	CY	Up To 6", By Concrete Pump, Place 3,000 PSI Elevated Concrete Slab.....	249.97	
		Note: Excludes pumping equipment.		
		For 2,000 PSI Concrete, Deduct	-11.14	
		For 2,500 PSI Concrete, Deduct	-5.57	
		For 3,500 PSI Concrete, Add	10.32	
		For 3,750 PSI Concrete, Add	14.03	
		For 4,000 PSI Concrete, Add	17.75	
		For 4,500 PSI Concrete, Add	20.64	
		For 5,000 PSI Concrete, Add	23.52	
		For 6,000 PSI Concrete, Add	55.71	
		For 7,500 PSI Concrete, Add	138.36	
		For White Cement Concrete, Add	24.76	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	26.83	
		For High Early Strength, Type 3 ASTM C150, Add	20.64	
		For Lightweight Aggregate, ASTM C330, Add	72.22	
		For Up To 20, Add	17.45	
		For >20 To 50, Add	6.54	
		For >100 To 200, Deduct	-5.00	
		For >200 To 400, Deduct	-10.00	
		For >400, Deduct	-15.00	
03 31 13 00-0051	CY	>6", By Concrete Pump, Place 3,000 PSI Elevated Concrete Slab .....	239.45	
		Note: Excludes pumping equipment.		
		For 2,000 PSI Concrete, Deduct	-11.14	
		For 2,500 PSI Concrete, Deduct	-5.57	
		For 3,500 PSI Concrete, Add	10.32	
		For 3,750 PSI Concrete, Add	14.03	
		For 4,000 PSI Concrete, Add	17.75	
		For 4,500 PSI Concrete, Add	20.64	
		For 5,000 PSI Concrete, Add	23.52	
		For 6,000 PSI Concrete, Add	55.71	
		For 7,500 PSI Concrete, Add	138.36	
		For White Cement Concrete, Add	24.76	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	26.83	
		For High Early Strength, Type 3 ASTM C150, Add	20.64	
		For Lightweight Aggregate, ASTM C330, Add	72.22	
		For Up To 20, Add	13.24	
		For >20 To 50, Add	4.97	
		For >100 To 200, Deduct	-4.79	
		For >200 To 400, Deduct	-9.58	
		For >400, Deduct	-14.37	
03 31 13 00-0052		<b>Place Concrete Columns</b> (03 31 13 00-0043)		
03 31 13 00-0053	CY	12" Square Or Round, By Crane And Bucket, Place 3,000 PSI Concrete Columns .....	431.94	
		For 2,000 PSI Concrete, Deduct	-10.29	
		For 2,500 PSI Concrete, Deduct	-5.14	
		For 3,500 PSI Concrete, Add	9.52	
		For 3,750 PSI Concrete, Add	12.95	
		For 4,000 PSI Concrete, Add	16.38	
		For 4,500 PSI Concrete, Add	19.05	
		For 5,000 PSI Concrete, Add	21.71	
		For 6,000 PSI Concrete, Add	51.43	
		For 7,500 PSI Concrete, Add	127.71	
		For White Cement Concrete, Add	22.86	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	24.76	
		For High Early Strength, Type 3 ASTM C150, Add	19.05	
		For Lightweight Aggregate, ASTM C330, Add	66.66	
		For Up To 20, Add	96.59	
		For >20 To 50, Add	36.22	
		For >100 To 200, Deduct	-8.64	
		For >200 To 400, Deduct	-17.28	
		For >400, Deduct	-25.92	
03 31 13 00-0054	CY	18" Square Or Round, By Crane And Bucket, Place 3,000 PSI Concrete Columns .....	365.98	
		For 2,000 PSI Concrete, Deduct	-10.29	
		For 2,500 PSI Concrete, Deduct	-5.14	
		For 3,500 PSI Concrete, Add	9.52	
		For 3,750 PSI Concrete, Add	12.95	
		For 4,000 PSI Concrete, Add	16.38	
		For 4,500 PSI Concrete, Add	19.05	
		For 5,000 PSI Concrete, Add	21.71	
		For 6,000 PSI Concrete, Add	51.43	
		For 7,500 PSI Concrete, Add	127.71	
		For White Cement Concrete, Add	22.86	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	24.76	
		For High Early Strength, Type 3 ASTM C150, Add	19.05	
		For Lightweight Aggregate, ASTM C330, Add	66.66	
		For Up To 20, Add	70.20	
		For >20 To 50, Add	26.33	
		For >100 To 200, Deduct	-7.32	
		For >200 To 400, Deduct	-14.64	
		For >400, Deduct	-21.96	



<b>Concrete</b>	<b>03</b>	<b>03</b>
Cast-In-Place Concrete	03 30	
Structural Concrete	03 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0055 CY 24" Square Or Round, By Crane And Bucket, Place 3,000 PSI Concrete Columns .....	318.80	
For 2,000 PSI Concrete, Deduct	-10.29	
For 2,500 PSI Concrete, Deduct	-5.14	
For 3,500 PSI Concrete, Add	9.52	
For 3,750 PSI Concrete, Add	12.95	
For 4,000 PSI Concrete, Add	16.38	
For 4,500 PSI Concrete, Add	19.05	
For 5,000 PSI Concrete, Add	21.71	
For 6,000 PSI Concrete, Add	51.43	
For 7,500 PSI Concrete, Add	127.71	
For White Cement Concrete, Add	22.86	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	24.76	
For High Early Strength, Type 3 ASTM C150, Add	19.05	
For Lightweight Aggregate, ASTM C330, Add	66.66	
For Up To 20, Add	51.33	
For >20 To 50, Add	19.25	
For >100 To 200, Deduct	-6.38	
For >200 To 400, Deduct	-12.75	
For >400, Deduct	-19.13	
03 31 13 00-0056 CY 36" Square Or Round, By Crane And Bucket, Place 3,000 PSI Concrete Columns .....	297.79	
For 2,000 PSI Concrete, Deduct	-10.29	
For 2,500 PSI Concrete, Deduct	-5.14	
For 3,500 PSI Concrete, Add	9.52	
For 3,750 PSI Concrete, Add	12.95	
For 4,000 PSI Concrete, Add	16.38	
For 4,500 PSI Concrete, Add	19.05	
For 5,000 PSI Concrete, Add	21.71	
For 6,000 PSI Concrete, Add	51.43	
For 7,500 PSI Concrete, Add	127.71	
For White Cement Concrete, Add	22.86	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	24.76	
For High Early Strength, Type 3 ASTM C150, Add	19.05	
For Lightweight Aggregate, ASTM C330, Add	66.66	
For Up To 20, Add	42.93	
For >20 To 50, Add	16.10	
For >100 To 200, Deduct	-5.96	
For >200 To 400, Deduct	-11.91	
For >400, Deduct	-17.87	
03 31 13 00-0057 CY 12" Square Or Round, By Concrete Pump, Place 3,000 PSI Concrete Columns .....	306.42	
Note: Excludes pumping equipment.		
For 2,000 PSI Concrete, Deduct	-11.14	
For 2,500 PSI Concrete, Deduct	-5.57	
For 3,500 PSI Concrete, Add	10.32	
For 3,750 PSI Concrete, Add	14.03	
For 4,000 PSI Concrete, Add	17.75	
For 4,500 PSI Concrete, Add	20.64	
For 5,000 PSI Concrete, Add	23.52	
For 6,000 PSI Concrete, Add	55.71	
For 7,500 PSI Concrete, Add	138.36	
For White Cement Concrete, Add	24.76	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	26.83	
For High Early Strength, Type 3 ASTM C150, Add	20.64	
For Lightweight Aggregate, ASTM C330, Add	72.22	
For Up To 20, Add	40.03	
For >20 To 50, Add	15.01	
For >100 To 200, Deduct	-6.13	
For >200 To 400, Deduct	-12.26	
For >400, Deduct	-18.39	
03 31 13 00-0058 CY 18" Square Or Round, By Concrete Pump, Place 3,000 PSI Concrete Columns .....	279.08	
Note: Excludes pumping equipment.		
For 2,000 PSI Concrete, Deduct	-11.14	
For 2,500 PSI Concrete, Deduct	-5.57	
For 3,500 PSI Concrete, Add	10.32	
For 3,750 PSI Concrete, Add	14.03	
For 4,000 PSI Concrete, Add	17.75	
For 4,500 PSI Concrete, Add	20.64	
For 5,000 PSI Concrete, Add	23.52	
For 6,000 PSI Concrete, Add	55.71	
For 7,500 PSI Concrete, Add	138.36	
For White Cement Concrete, Add	24.76	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	26.83	
For High Early Strength, Type 3 ASTM C150, Add	20.64	
For Lightweight Aggregate, ASTM C330, Add	72.22	
For Up To 20, Add	29.09	
For >20 To 50, Add	10.91	
For >100 To 200, Deduct	-5.58	
For >200 To 400, Deduct	-11.16	
For >400, Deduct	-16.74	

<b>03</b>	<b>Concrete</b>
<b>03 30</b>	<b>Cast-In-Place Concrete</b>
<b>03 31</b>	<b>Structural Concrete</b>



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

03 31 13 00-0059	CY	24" Square Or Round, By Concrete Pump, Place 3,000 PSI Concrete Columns .....	259.53	
		Note: Excludes pumping equipment.		
		For 2,000 PSI Concrete, Deduct	-11.14	
		For 2,500 PSI Concrete, Deduct	-5.57	
		For 3,500 PSI Concrete, Add	10.32	
		For 3,750 PSI Concrete, Add	14.03	
		For 4,000 PSI Concrete, Add	17.75	
		For 4,500 PSI Concrete, Add	20.64	
		For 5,000 PSI Concrete, Add	23.52	
		For 6,000 PSI Concrete, Add	55.71	
		For 7,500 PSI Concrete, Add	138.36	
		For White Cement Concrete, Add	24.76	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	26.83	
		For High Early Strength, Type 3 ASTM C150, Add	20.64	
		For Lightweight Aggregate, ASTM C330, Add	72.22	
		For Up To 20, Add	21.27	
		For >20 To 50, Add	7.98	
		For >100 To 200, Deduct	-5.19	
		For >200 To 400, Deduct	-10.38	
		For >400, Deduct	-15.57	
03 31 13 00-0060	CY	36" Square Or Round, By Concrete Pump, Place 3,000 PSI Concrete Columns .....	250.82	
		Note: Excludes pumping equipment.		
		For 2,000 PSI Concrete, Deduct	-11.14	
		For 2,500 PSI Concrete, Deduct	-5.57	
		For 3,500 PSI Concrete, Add	10.32	
		For 3,750 PSI Concrete, Add	14.03	
		For 4,000 PSI Concrete, Add	17.75	
		For 4,500 PSI Concrete, Add	20.64	
		For 5,000 PSI Concrete, Add	23.52	
		For 6,000 PSI Concrete, Add	55.71	
		For 7,500 PSI Concrete, Add	138.36	
		For White Cement Concrete, Add	24.76	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	26.83	
		For High Early Strength, Type 3 ASTM C150, Add	20.64	
		For Lightweight Aggregate, ASTM C330, Add	72.22	
		For Up To 20, Add	17.79	
		For >20 To 50, Add	6.67	
		For >100 To 200, Deduct	-5.02	
		For >200 To 400, Deduct	-10.03	
		For >400, Deduct	-15.05	
03 31 13 00-0061		Place Concrete Walls <small>(03 31 13 00-0043)</small>		
03 31 13 00-0062	CY	Up To 8" Thick, By Crane And Bucket, Place 3,000 PSI Concrete Walls .....	416.84	
		For 2,000 PSI Concrete, Deduct	-10.29	
		For 2,500 PSI Concrete, Deduct	-5.14	
		For 3,500 PSI Concrete, Add	9.52	
		For 3,750 PSI Concrete, Add	12.95	
		For 4,000 PSI Concrete, Add	16.38	
		For 4,500 PSI Concrete, Add	19.05	
		For 5,000 PSI Concrete, Add	21.71	
		For 6,000 PSI Concrete, Add	51.43	
		For 7,500 PSI Concrete, Add	127.71	
		For White Cement Concrete, Add	22.86	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	24.76	
		For High Early Strength, Type 3 ASTM C150, Add	19.05	
		For Lightweight Aggregate, ASTM C330, Add	66.66	
		For Up To 20, Add	90.55	
		For >20 To 50, Add	33.96	
		For >100 To 200, Deduct	-8.34	
		For >200 To 400, Deduct	-16.67	
		For >400, Deduct	-25.01	
03 31 13 00-0063	CY	12" Thick, By Crane And Bucket, Place 3,000 PSI Concrete Walls .....	398.07	
		For 2,000 PSI Concrete, Deduct	-10.29	
		For 2,500 PSI Concrete, Deduct	-5.14	
		For 3,500 PSI Concrete, Add	9.52	
		For 3,750 PSI Concrete, Add	12.95	
		For 4,000 PSI Concrete, Add	16.38	
		For 4,500 PSI Concrete, Add	19.05	
		For 5,000 PSI Concrete, Add	21.71	
		For 6,000 PSI Concrete, Add	51.43	
		For 7,500 PSI Concrete, Add	127.71	
		For White Cement Concrete, Add	22.86	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	24.76	
		For High Early Strength, Type 3 ASTM C150, Add	19.05	
		For Lightweight Aggregate, ASTM C330, Add	66.66	
		For Up To 20, Add	83.04	
		For >20 To 50, Add	31.14	
		For >100 To 200, Deduct	-7.96	
		For >200 To 400, Deduct	-15.92	
		For >400, Deduct	-23.88	



<b>Concrete</b>	<b>03</b>	<b>03</b>
Cast-In-Place Concrete	03 30	
Structural Concrete	03 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0064 CY 15" Thick, By Crane And Bucket, Place 3,000 PSI Concrete Walls .....	348.93	
For 2,000 PSI Concrete, Deduct	-10.29	
For 2,500 PSI Concrete, Deduct	-5.14	
For 3,500 PSI Concrete, Add	9.52	
For 3,750 PSI Concrete, Add	12.95	
For 4,000 PSI Concrete, Add	16.38	
For 4,500 PSI Concrete, Add	19.05	
For 5,000 PSI Concrete, Add	21.71	
For 6,000 PSI Concrete, Add	51.43	
For 7,500 PSI Concrete, Add	127.71	
For White Cement Concrete, Add	22.86	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	24.76	
For High Early Strength, Type 3 ASTM C150, Add	19.05	
For Lightweight Aggregate, ASTM C330, Add	66.66	
For Up To 20, Add	63.38	
For >20 To 50, Add	23.77	
For >100 To 200, Deduct	-6.98	
For >200 To 400, Deduct	-13.96	
For >400, Deduct	-20.94	
03 31 13 00-0065 CY Up To 8" Thick, By Direct Chute, Place 3,000 PSI Concrete Walls .....	288.98	
For 2,000 PSI Concrete, Deduct	-10.29	
For 2,500 PSI Concrete, Deduct	-5.14	
For 3,500 PSI Concrete, Add	9.52	
For 3,750 PSI Concrete, Add	12.95	
For 4,000 PSI Concrete, Add	16.38	
For 4,500 PSI Concrete, Add	19.05	
For 5,000 PSI Concrete, Add	21.71	
For 6,000 PSI Concrete, Add	51.43	
For 7,500 PSI Concrete, Add	127.71	
For White Cement Concrete, Add	22.86	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	24.76	
For High Early Strength, Type 3 ASTM C150, Add	19.05	
For Lightweight Aggregate, ASTM C330, Add	66.66	
For Up To 20, Add	39.40	
For >20 To 50, Add	14.78	
For >100 To 200, Deduct	-5.78	
For >200 To 400, Deduct	-11.56	
For >400, Deduct	-17.34	
03 31 13 00-0066 CY 12" Thick, By Direct Chute, Place 3,000 PSI Concrete Walls .....	269.27	
For 2,000 PSI Concrete, Deduct	-10.29	
For 2,500 PSI Concrete, Deduct	-5.14	
For 3,500 PSI Concrete, Add	9.52	
For 3,750 PSI Concrete, Add	12.95	
For 4,000 PSI Concrete, Add	16.38	
For 4,500 PSI Concrete, Add	19.05	
For 5,000 PSI Concrete, Add	21.71	
For 6,000 PSI Concrete, Add	51.43	
For 7,500 PSI Concrete, Add	127.71	
For White Cement Concrete, Add	22.86	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	24.76	
For High Early Strength, Type 3 ASTM C150, Add	19.05	
For Lightweight Aggregate, ASTM C330, Add	66.66	
For Up To 20, Add	31.52	
For >20 To 50, Add	11.82	
For >100 To 200, Deduct	-5.39	
For >200 To 400, Deduct	-10.77	
For >400, Deduct	-16.16	
03 31 13 00-0067 CY 15" Thick, By Direct Chute, Place 3,000 PSI Concrete Walls .....	259.42	
For 2,000 PSI Concrete, Deduct	-10.29	
For 2,500 PSI Concrete, Deduct	-5.14	
For 3,500 PSI Concrete, Add	9.52	
For 3,750 PSI Concrete, Add	12.95	
For 4,000 PSI Concrete, Add	16.38	
For 4,500 PSI Concrete, Add	19.05	
For 5,000 PSI Concrete, Add	21.71	
For 6,000 PSI Concrete, Add	51.43	
For 7,500 PSI Concrete, Add	127.71	
For White Cement Concrete, Add	22.86	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	24.76	
For High Early Strength, Type 3 ASTM C150, Add	19.05	
For Lightweight Aggregate, ASTM C330, Add	66.66	
For Up To 20, Add	27.58	
For >20 To 50, Add	10.34	
For >100 To 200, Deduct	-5.19	
For >200 To 400, Deduct	-10.38	
For >400, Deduct	-15.57	

<b>03</b>	<b>Concrete</b>
<b>03 30</b>	<b>Cast-In-Place Concrete</b>
<b>03 31</b>	<b>Structural Concrete</b>



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

03 31 13 00-0068	CY	Up To 8" Thick, By Concrete Pump, Place 3,000 PSI Concrete Walls .....	300.16
		Note: Excludes pumping equipment.	
		For 2,000 PSI Concrete, Deduct	-11.14
		For 2,500 PSI Concrete, Deduct	-5.57
		For 3,500 PSI Concrete, Add	10.32
		For 3,750 PSI Concrete, Add	14.03
		For 4,000 PSI Concrete, Add	17.75
		For 4,500 PSI Concrete, Add	20.64
		For 5,000 PSI Concrete, Add	23.52
		For 6,000 PSI Concrete, Add	55.71
		For 7,500 PSI Concrete, Add	138.36
		For White Cement Concrete, Add	24.76
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	26.83
		For High Early Strength, Type 3 ASTM C150, Add	20.64
		For Lightweight Aggregate, ASTM C330, Add	72.22
		For Up To 20, Add	37.52
		For >20 To 50, Add	14.07
		For >100 To 200, Deduct	-6.00
		For >200 To 400, Deduct	-12.01
		For >400, Deduct	-18.01
03 31 13 00-0069	CY	12" Thick, By Concrete Pump, Place 3,000 PSI Concrete Walls .....	281.39
		Note: Excludes pumping equipment.	
		For 2,000 PSI Concrete, Deduct	-11.14
		For 2,500 PSI Concrete, Deduct	-5.57
		For 3,500 PSI Concrete, Add	10.32
		For 3,750 PSI Concrete, Add	14.03
		For 4,000 PSI Concrete, Add	17.75
		For 4,500 PSI Concrete, Add	20.64
		For 5,000 PSI Concrete, Add	23.52
		For 6,000 PSI Concrete, Add	55.71
		For 7,500 PSI Concrete, Add	138.36
		For White Cement Concrete, Add	24.76
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	26.83
		For High Early Strength, Type 3 ASTM C150, Add	20.64
		For Lightweight Aggregate, ASTM C330, Add	72.22
		For Up To 20, Add	30.02
		For >20 To 50, Add	11.26
		For >100 To 200, Deduct	-5.63
		For >200 To 400, Deduct	-11.26
		For >400, Deduct	-16.88
03 31 13 00-0070	CY	15" Thick, By Concrete Pump, Place 3,000 PSI Concrete Walls .....	272.02
		Note: Excludes pumping equipment.	
		For 2,000 PSI Concrete, Deduct	-11.14
		For 2,500 PSI Concrete, Deduct	-5.57
		For 3,500 PSI Concrete, Add	10.32
		For 3,750 PSI Concrete, Add	14.03
		For 4,000 PSI Concrete, Add	17.75
		For 4,500 PSI Concrete, Add	20.64
		For 5,000 PSI Concrete, Add	23.52
		For 6,000 PSI Concrete, Add	55.71
		For 7,500 PSI Concrete, Add	138.36
		For White Cement Concrete, Add	24.76
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	26.83
		For High Early Strength, Type 3 ASTM C150, Add	20.64
		For Lightweight Aggregate, ASTM C330, Add	72.22
		For Up To 20, Add	26.27
		For >20 To 50, Add	9.85
		For >100 To 200, Deduct	-5.44
		For >200 To 400, Deduct	-10.88
		For >400, Deduct	-16.32
03 31 13 00-0071		Place Elevated Concrete Stairs (03 31 13 00-0043)	
03 31 13 00-0072	CY	Crane And Bucket, Place 3,000 PSI Elevated Concrete Stairs .....	648.11
		For 2,000 PSI Concrete, Deduct	-10.29
		For 2,500 PSI Concrete, Deduct	-5.14
		For 3,500 PSI Concrete, Add	9.52
		For 3,750 PSI Concrete, Add	12.95
		For 4,000 PSI Concrete, Add	16.38
		For 4,500 PSI Concrete, Add	19.05
		For 5,000 PSI Concrete, Add	21.71
		For 6,000 PSI Concrete, Add	51.43
		For 7,500 PSI Concrete, Add	127.71
		For White Cement Concrete, Add	22.86
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	24.76
		For High Early Strength, Type 3 ASTM C150, Add	19.05
		For Lightweight Aggregate, ASTM C330, Add	66.66
		For Up To 20, Add	183.06
		For >20 To 50, Add	68.65
		For >100 To 200, Deduct	-12.96
		For >200 To 400, Deduct	-25.92
		For >400, Deduct	-38.89





<b>Concrete</b>	<b>03</b>	<b>03</b>
Cast-In-Place Concrete	03 30	
Structural Concrete	03 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0073 CY Direct Chute, Place 3,000 PSI Elevated Concrete Stairs.....	389.61	
For 2,000 PSI Concrete, Deduct	-10.29	
For 2,500 PSI Concrete, Deduct	-5.14	
For 3,500 PSI Concrete, Add	9.52	
For 3,750 PSI Concrete, Add	12.95	
For 4,000 PSI Concrete, Add	16.38	
For 4,500 PSI Concrete, Add	19.05	
For 5,000 PSI Concrete, Add	21.71	
For 6,000 PSI Concrete, Add	51.43	
For 7,500 PSI Concrete, Add	127.71	
For White Cement Concrete, Add	22.86	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	24.76	
For High Early Strength, Type 3 ASTM C150, Add	19.05	
For Lightweight Aggregate, ASTM C330, Add	66.66	
For Up To 20, Add	79.66	
For >20 To 50, Add	29.87	
For >100 To 200, Deduct	-7.79	
For >200 To 400, Deduct	-15.58	
For >400, Deduct	-23.38	
03 31 13 00-0074 CY Concrete Pump, Place 3,000 PSI Elevated Concrete Stairs.....	372.30	
Note: Excludes pumping equipment.		
For 2,000 PSI Concrete, Deduct	-11.14	
For 2,500 PSI Concrete, Deduct	-5.57	
For 3,500 PSI Concrete, Add	10.32	
For 3,750 PSI Concrete, Add	14.03	
For 4,000 PSI Concrete, Add	17.75	
For 4,500 PSI Concrete, Add	20.64	
For 5,000 PSI Concrete, Add	23.52	
For 6,000 PSI Concrete, Add	55.71	
For 7,500 PSI Concrete, Add	138.36	
For White Cement Concrete, Add	24.76	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	26.83	
For High Early Strength, Type 3 ASTM C150, Add	20.64	
For Lightweight Aggregate, ASTM C330, Add	72.22	
For Up To 20, Add	66.38	
For >20 To 50, Add	24.89	
For >100 To 200, Deduct	-7.45	
For >200 To 400, Deduct	-14.89	
For >400, Deduct	-22.34	
<b>03 31 13 00-0075 Place Concrete Coping (03 31 13 00-0043)</b>		
03 31 13 00-0076 CY Crane And Bucket, Place 3,000 PSI Concrete Coping .....	663.93	
For 2,000 PSI Concrete, Deduct	-10.29	
For 2,500 PSI Concrete, Deduct	-5.14	
For 3,500 PSI Concrete, Add	9.52	
For 3,750 PSI Concrete, Add	12.95	
For 4,000 PSI Concrete, Add	16.38	
For 4,500 PSI Concrete, Add	19.05	
For 5,000 PSI Concrete, Add	21.71	
For 6,000 PSI Concrete, Add	51.43	
For 7,500 PSI Concrete, Add	127.71	
For White Cement Concrete, Add	22.86	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	24.76	
For High Early Strength, Type 3 ASTM C150, Add	19.05	
For Lightweight Aggregate, ASTM C330, Add	66.66	
For Up To 20, Add	189.38	
For >20 To 50, Add	71.02	
For >100 To 200, Deduct	-13.28	
For >200 To 400, Deduct	-26.56	
For >400, Deduct	-39.84	
03 31 13 00-0077 CY Direct Chute, Place 3,000 PSI Concrete Coping .....	388.27	
For 2,000 PSI Concrete, Deduct	-10.29	
For 2,500 PSI Concrete, Deduct	-5.14	
For 3,500 PSI Concrete, Add	9.52	
For 3,750 PSI Concrete, Add	12.95	
For 4,000 PSI Concrete, Add	16.38	
For 4,500 PSI Concrete, Add	19.05	
For 5,000 PSI Concrete, Add	21.71	
For 6,000 PSI Concrete, Add	51.43	
For 7,500 PSI Concrete, Add	127.71	
For White Cement Concrete, Add	22.86	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	24.76	
For High Early Strength, Type 3 ASTM C150, Add	19.05	
For Lightweight Aggregate, ASTM C330, Add	66.66	
For Up To 20, Add	79.12	
For >20 To 50, Add	29.67	
For >100 To 200, Deduct	-7.77	
For >200 To 400, Deduct	-15.53	
For >400, Deduct	-23.30	

<b>03</b>	<b>Concrete</b>
<b>03 30</b>	<b>Cast-In-Place Concrete</b>
<b>03 31</b>	<b>Structural Concrete</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0078 CY Concrete Pump, Place 3,000 PSI Concrete Coping .....505.95 Note: Excludes pumping equipment.		
For 2,000 PSI Concrete, Deduct	-11.14	
For 2,500 PSI Concrete, Deduct	-5.57	
For 3,500 PSI Concrete, Add	10.32	
For 3,750 PSI Concrete, Add	14.03	
For 4,000 PSI Concrete, Add	17.75	
For 4,500 PSI Concrete, Add	20.64	
For 5,000 PSI Concrete, Add	23.52	
For 6,000 PSI Concrete, Add	55.71	
For 7,500 PSI Concrete, Add	138.36	
For White Cement Concrete, Add	24.76	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	26.83	
For High Early Strength, Type 3 ASTM C150, Add	20.64	
For Lightweight Aggregate, ASTM C330, Add	72.22	
For Up To 20, Add	119.84	
For >20 To 50, Add	44.94	
For >100 To 200, Deduct	-10.12	
For >200 To 400, Deduct	-20.24	
For >400, Deduct	-30.36	
<b>03 31 13 00-0079 Concrete Carts</b> (03 31 13 00-0010) Note: Used to place concrete where necessary.		
03 31 13 00-0080 CY 50' Haul, Non-Motorized, Concrete Buggy.....23.20		
03 31 13 00-0081 CY 150' Haul, Non-Motorized, Concrete Buggy.....31.06		
03 31 13 00-0082 CY 250' Haul, Non-Motorized, Concrete Buggy.....41.43		
03 31 13 00-0083 CY 50' Haul, Motorized, Concrete Buggy .....10.67		
03 31 13 00-0084 CY 150' Haul, Motorized, Concrete Buggy .....14.30		
03 31 13 00-0085 CY 250' Haul, Motorized, Concrete Buggy .....19.07		
<b>03 31 13 00-0086 Delivery Fee For Small Concrete Purchases (Short Load)</b> (03 31 13)		
03 31 13 00-0087 CY Delivery Fee For Small Concrete Purchases (Short Load) Per CY For Each CY Less Than 9 CY .....33.02 Note: The task quantity is 9 minus the number of CY's delivered. For example, the delivery fee for 2CY's is: (9-2) = 7.		
<b>03 31 13 00-0088 Delivery Fee For Concrete, Per Truck Load</b> (03 31 13)		
03 31 13 00-0089 EA Concrete Delivery Fee, Per Truck.....40.00 Note: To be added to all concrete leaving concrete yard		
<b>03 31 13 00-0090 Equipment Pads</b> (03 31 13)		
<b>03 31 13 00-0091 Small Concrete Equipment Housekeeping Pad Assemblies</b> (03 31 13 00-0090) Note: Includes forms, hand mix concrete, finish, curing and reinforcing. For up to 50 SF per pad and up to 5 pads per project. See CSI section 03 31 13 00-0002 for >50 SF concrete pads.		
03 31 13 00-0092 SF 4" Equipment Pad With Welded Wire Reinforcement Assembly.....19.14 For >5 To 20 Pads, Deduct -2.31 For >20 To 50 Pads, Deduct -4.23 For >50 Pads, Deduct -6.15		
03 31 13 00-0093 SF 4" Equipment Pad With Rebar Assembly.....23.46 For >5 To 20 Pads, Deduct -2.66 For >20 To 50 Pads, Deduct -4.88 For >50 Pads, Deduct -7.09		
03 31 13 00-0094 SF 6" Equipment Pad With Rebar Assembly.....29.63 For >5 To 20 Pads, Deduct -3.34 For >20 To 50 Pads, Deduct -6.13 For >50 Pads, Deduct -8.91		
03 31 13 00-0095 SF 8" Equipment Pad With Rebar Assembly.....37.27 For >5 To 20 Pads, Deduct -4.25 For >20 To 50 Pads, Deduct -7.79 For >50 Pads, Deduct -11.32		
<b>03 31 16 Lightweight Structural Concrete</b> (03 31)		
<b>03 31 16 00-0001 Low Density Cellular / Foam Concrete Fill</b> (03 31 16)		
03 31 16 00-0002 CY Lightweight Low Density Pervious Cellular/Foam Concrete, 100 To 120 PCF Density Range .....295.18		
<b>03 35 Concrete Finishing</b> (03 30)		
<b>03 35 13 High-Tolerance Concrete Floor Finishing</b> (03 35)		
<b>03 35 13 00-0001 Floor Finishes</b> (03 35 13) Note: Task is for final finish type and includes all required prior finishes.		
03 35 13 00-0002 SF Screed, Concrete Floor Finish .....1.01 For Up To 100, Add 2.02 For >100 To 250, Add 0.51 For >250 To 500, Add 0.25 For >5,000 To 10,000, Deduct -0.05 For >10,000, Deduct -0.10		



<b>Concrete</b>	<b>03</b>	<b>03</b>
Cast-In-Place Concrete	03 30	
Concrete Finishing	03 35	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 35 13 00-0003 SF Darby, Concrete Floor Finish.....	1.21	
For Up To 100, Add	2.42	
For >100 To 250, Add	0.61	
For >250 To 500, Add	0.30	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000, Deduct	-0.12	
03 35 13 00-0004 SF Broom, Concrete Floor Finish.....	1.33	
For Up To 100, Add	2.66	
For >100 To 250, Add	0.67	
For >250 To 500, Add	0.33	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000, Deduct	-0.13	
03 35 13 00-0005 SF Final Float, Concrete Floor Finish.....	1.56	
For Up To 100, Add	3.12	
For >100 To 250, Add	0.78	
For >250 To 500, Add	0.39	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000, Deduct	-0.16	
03 35 13 00-0006 SF Steel Trowel, Concrete Floor Finish.....	1.75	
For Up To 100, Add	3.50	
For >100 To 250, Add	0.88	
For >250 To 500, Add	0.44	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000, Deduct	-0.18	
<b>03 35 16 Heavy-Duty Concrete Floor Finishing (03 35)</b>		
<b>03 35 16 00-0001 Shake On Floor Hardeners (03 35 16)</b>		
03 35 16 00-0002 SF 0.3 LB/SF, Metallic, Shake On Floor Hardener.....	1.29	
03 35 16 00-0003 SF 0.65 LB/SF, Metallic, Shake On Floor Hardener.....	2.01	
03 35 16 00-0004 SF 0.3 LB/SF, Non-Metallic, Shake On Floor Hardener.....	1.22	
03 35 16 00-0005 SF 0.65 LB/SF, Non-Metallic, Shake On Floor Hardener.....	1.49	
<b>03 35 19 Colored Concrete Finishing (03 35)</b>		
<b>03 35 19 00-0001 Concrete Surface Treatments (03 35 19)</b>		
03 35 19 00-0002 SF Acrylic Latex Bonding Agent.....	0.51	
03 35 19 00-0003 SF Epoxy Resin Bonding Agent.....	3.16	
03 35 19 00-0004 SF Clear Acrylic Sealer, Hardener And Dustproofers.....	0.38	
03 35 19 00-0005 SF Colored Acrylic Sealer, Hardener And Dustproofers.....	0.40	
<b>03 35 23 Exposed Aggregate Concrete Finishing (03 35)</b>		
<b>03 35 23 00-0001 Exposed Aggregate, Concrete Finish (03 35 23)</b>		
03 35 23 00-0002 SF Exposed Aggregate, Concrete Floor Finish.....	3.28	
<b>03 35 26 Grooved Concrete Surface Finishing (03 35)</b>		
<b>03 35 26 00-0001 Ramp, Grooved Concrete Surface Finishing (03 35 26)</b>		
03 35 26 00-0002 SF Ramp, Grooved Concrete Surface Finishing.....	4.61	
<b>03 35 29 Tooled Concrete Finishing (03 35)</b>		
<b>03 35 29 00-0001 Solid Board Concrete Finish (03 35 29)</b>		
03 35 29 00-0002 SF Solid Board Concrete, Non-Uniform Finish, 1 Use, Add To Formwork.....	16.65	
<b>03 35 29 00-0003 Marblecrete Finishes (03 35 29)</b>		
03 35 29 00-0004 SF 2" Thick Marblecrete And Finish.....	45.46	
03 35 29 00-0005 SF 4" Thick Marblecrete And Finish.....	60.91	
<b>03 35 33 Stamped Concrete Finishing (03 35)</b>		
<b>03 35 33 00-0001 Stamped Concrete Finishes (03 35 33)</b>		
03 35 33 00-0002 SF Up To 2,500 SF Stamped Concrete Finish.....	4.06	
03 35 33 00-0003 SF >2,500 To 10,000 SF Stamped Concrete Finish.....	3.68	
03 35 33 00-0004 SF >10,000 SF Stamped Concrete Finish.....	3.52	
<b>03 35 63 Slip-Resistant Floor Finishing (03 35)</b>		
<b>03 35 63 00-0001 Slip-Resistant Floor Finishing (03 35 63)</b>		

<b>03</b>	<b>Concrete</b>
<b>03 30</b>	<b>Cast-In-Place Concrete</b>
<b>03 35</b>	<b>Concrete Finishing</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 35 63 00-0002 SF Aluminum Oxide Abrasive Floor Finish, 0.25 LB/SF .....	1.61	
For Up To 100, Add	1.94	
For >100 To 250, Add	0.49	
For >250 To 500, Add	0.24	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000, Deduct	-0.10	
03 35 63 00-0003 SF Silicone Carbide Abrasive Floor Finish 0.25 LB/SF .....	1.31	
For Up To 100, Add	1.94	
For >100 To 250, Add	0.49	
For >250 To 500, Add	0.24	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000, Deduct	-0.10	
<b>03 35 66 Acid Etch Floor Finishing (03 35)</b>		
<b>03 35 66 00-0001 Acid Etch Floor (03 35 66)</b>		
03 35 66 00-0002 SF Concrete Floor Finishes, Etch With Acid And Rinse .....	1.06	
For Up To 100, Add	0.92	
For >100 To 250, Add	0.23	
For >250 To 500, Add	0.12	
For >5,000 To 10,000, Deduct	-0.02	
For >10,000, Deduct	-0.05	
<b>03 35 83 Concrete Wall Finishing (03 35)</b>		
<b>03 35 83 00-0001 Wall Finishes (03 35 83)</b>		
03 35 83 00-0002 SF Burlap Rub With Grout, New Concrete Wall Finishes .....	1.80	
For Up To 100, Add	3.38	
For >100 To 250, Add	0.85	
For >250 To 500, Add	0.42	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000, Deduct	-0.17	
03 35 83 00-0003 SF 1/16" Float Finish, New Concrete Wall Finishes .....	2.69	
For Up To 100, Add	5.06	
For >100 To 250, Add	1.27	
For >250 To 500, Add	0.63	
For >5,000 To 10,000, Deduct	-0.13	
For >10,000, Deduct	-0.25	
03 35 83 00-0004 SF Etch With Acid And Rinse, New Concrete Wall Finishes .....	1.16	
For Up To 100, Add	1.12	
For >100 To 250, Add	0.28	
For >250 To 500, Add	0.14	
For >5,000 To 10,000, Deduct	-0.03	
For >10,000, Deduct	-0.06	
03 35 83 00-0005 SF Bush Hammer Green Concrete, New Concrete Wall Finishes .....	5.42	
For Up To 100, Add	10.72	
For >100 To 250, Add	2.68	
For >250 To 500, Add	1.34	
For >5,000 To 10,000, Deduct	-0.27	
For >10,000, Deduct	-0.54	
03 35 83 00-0006 SF Bush Hammer Cured Concrete, New Concrete Wall Finishes .....	8.39	
For Up To 100, Add	16.56	
For >100 To 250, Add	4.14	
For >250 To 500, Add	2.07	
For >5,000 To 10,000, Deduct	-0.41	
For >10,000, Deduct	-0.83	
03 35 83 00-0007 SF Break Ties And Patch, New Concrete Wall Finishes .....	1.05	
For Up To 100, Add	1.82	
For >100 To 250, Add	0.46	
For >250 To 500, Add	0.23	
For >5,000 To 10,000, Deduct	-0.05	
For >10,000, Deduct	-0.09	
03 35 83 00-0008 SF Carborundum Dry Rub, New Concrete Wall Finishes .....	3.51	
For Up To 100, Add	6.74	
For >100 To 250, Add	1.69	
For >250 To 500, Add	0.84	
For >5,000 To 10,000, Deduct	-0.17	
For >10,000, Deduct	-0.34	
03 35 83 00-0009 SF Carborundum Wet Rub, New Concrete Wall Finishes .....	5.35	
For Up To 100, Add	10.42	
For >100 To 250, Add	2.61	
For >250 To 500, Add	1.30	
For >5,000 To 10,000, Deduct	-0.26	
For >10,000, Deduct	-0.52	
03 35 83 00-0010 SF Up To 1/4" Penetration Abrasive Media Blasting, New Concrete Wall Finishes .....	5.42	
Note: 4.5 Lbs of sand or abrasive media material per SF		
For Up To 100, Add	8.64	
For >100 To 250, Add	2.16	
For >250 To 500, Add	1.08	
For >5,000 To 10,000, Deduct	-0.22	
For >10,000, Deduct	-0.43	



<b>Concrete</b>	<b>03</b>	<b>03</b>
Cast-In-Place Concrete	03 30	
Concrete Finishing	03 35	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 35 83 00-0011 SF >1/4" To 1/2" Penetration Abrasive Media Blasting, New Concrete Wall Finishes .....	10.82	
Note: 9 Lbs of sand abrasive media material per SF		
For Up To 100, Add	17.26	
For >100 To 250, Add	4.32	
For >250 To 500, Add	2.16	
For >5,000 To 10,000, Deduct	-0.43	
For >10,000, Deduct	-0.86	

**03 37 Specialty Placed Concrete** (03 30)

Note: Includes gun finish. Not to be used for pumping concrete tasks. See CSI section 03 35 00 00-0000 for finishing.

**03 37 13 Shotcrete** (03 37)

**03 37 13 00-0001 Shotcrete, Fiber Reinforced, Structural Repair** (03 37 13)

03 37 13 00-0002 SF 1" Thick Shotcrete, Fiber Reinforced .....	3.44	
For Up To 25, Add	0.64	
For >25 To 50, Add	0.37	
For >50 To 150, Add	0.15	
03 37 13 00-0003 SF 2" Thick Shotcrete, Fiber Reinforced .....	6.47	
For Up To 25, Add	1.18	
For >25 To 50, Add	0.68	
For >50 To 150, Add	0.27	
03 37 13 00-0004 SF 3" Thick Shotcrete, Fiber Reinforced .....	9.18	
For Up To 25, Add	1.64	
For >25 To 50, Add	0.94	
For >50 To 150, Add	0.36	
03 37 13 00-0005 SF 4" Thick Shotcrete, Fiber Reinforced .....	11.57	
For Up To 25, Add	2.03	
For >25 To 50, Add	1.16	
For >50 To 150, Add	0.43	
03 37 13 00-0006 SF 6" Thick Shotcrete, Fiber Reinforced .....	15.72	
For Up To 25, Add	2.63	
For >25 To 50, Add	1.49	
For >50 To 150, Add	0.53	

**03 37 13 00-0007 Gunite (Dry Mix Shotcrete), Sprayed** (03 37 13)

See CSI section 03 22 11 00-0001 for wire mesh reinforcing.

03 37 13 00-0008 SF 1" Thick Gunite (Dry Mix Shotcrete), Sprayed .....	3.72	
For Radius Or Irregular Surface, Add	1.10	
For Up To 25, Add	0.78	
For >25 To 50, Add	0.46	
For >50 To 150, Add	0.21	
03 37 13 00-0009 SF 2" Thick Gunite (Dry Mix Shotcrete), Sprayed .....	6.89	
For Radius Or Irregular Surface, Add	1.97	
For Up To 25, Add	1.43	
For >25 To 50, Add	0.84	
For >50 To 150, Add	0.37	
03 37 13 00-0010 SF 3" Thick Gunite (Dry Mix Shotcrete), Sprayed .....	9.59	
For Radius Or Irregular Surface, Add	2.66	
For Up To 25, Add	1.96	
For >25 To 50, Add	1.14	
For >50 To 150, Add	0.50	
03 37 13 00-0011 SF 4" Thick Gunite (Dry Mix Shotcrete), Sprayed .....	11.92	
For Radius Or Irregular Surface, Add	3.19	
For Up To 25, Add	2.39	
For >25 To 50, Add	1.39	
For >50 To 150, Add	0.60	
03 37 13 00-0012 SF 5" Thick Gunite (Dry Mix Shotcrete), Sprayed .....	13.89	
For Radius Or Irregular Surface, Add	3.59	
For Up To 25, Add	2.73	
For >25 To 50, Add	1.59	
For >50 To 150, Add	0.67	
03 37 13 00-0013 SF 6" Thick Gunite (Dry Mix Shotcrete), Sprayed .....	15.59	
For Radius Or Irregular Surface, Add	3.87	
For Up To 25, Add	3.01	
For >25 To 50, Add	1.75	
For >50 To 150, Add	0.73	
03 37 13 00-0014 SF 8" Thick Gunite (Dry Mix Shotcrete), Sprayed .....	19.49	
For Radius Or Irregular Surface, Add	4.65	
For Up To 25, Add	3.69	
For >25 To 50, Add	2.14	
For >50 To 150, Add	0.87	
03 37 13 00-0015 SF 10" Thick Gunite (Dry Mix Shotcrete), Sprayed .....	22.92	
For Radius Or Irregular Surface, Add	5.23	
For Up To 25, Add	4.25	
For >25 To 50, Add	2.45	
For >50 To 150, Add	0.98	
03 37 13 00-0016 SF 12" Thick Gunite (Dry Mix Shotcrete), Sprayed .....	25.93	
For Radius Or Irregular Surface, Add	5.65	
For Up To 25, Add	4.71	
For >25 To 50, Add	2.71	
For >50 To 150, Add	1.06	

<b>03</b>	<b>03 Concrete</b>
	<b>03 30 Cast-In-Place Concrete</b>
	<b>03 37 Specialty Placed Concrete</b>



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

**03 37 16 Pumped Concrete** (03 37)

<b>03 37 16 00-0001</b>	<b>Concrete Pumping With Boom Truck</b> (03 37 16)		
	Note: Includes truck rental, operator, and local travel delivery. For delivery/set-up of equipment add one hour, for clean-up of equipment add one hour. Use four hours as the minimum cost including set-up and clean-up. Excludes concrete, use "Concrete Pump" concrete tasks from appropriate section to place into pump hopper and place concrete. Sizes are measured at a 30 degree vertical reach. See CSI section 03 31 13 00-0010 for concrete placement.		
03 37 16 00-0002	HR 55' To 60' Boom Truck For Concrete Placement (95 CY Per Hour Rating) .....	249.27	
03 37 16 00-0003	HR 70' To 80' Boom Truck For Concrete Placement (117 CY Per Hour Rating) .....	271.03	
	<i>For Each CY Of Concrete Pumped, Add</i>	1.25	
03 37 16 00-0004	HR 90' To 100' Boom Truck For Concrete Placement (117 CY Per Hour Rating) .....	349.62	
	<i>For Each CY Of Concrete Pumped, Add</i>	1.50	
03 37 16 00-0005	HR 105' To 115' Boom Truck For Concrete Placement (117 CY Per Hour Rating) .....	398.54	
	<i>For Each CY Of Concrete Pumped, Add</i>	1.50	
03 37 16 00-0006	HR 120' To 130' Boom Truck For Concrete Placement (170 CY Per Hour Rating) .....	449.03	
	<i>For Each CY Of Concrete Pumped, Add</i>	1.75	
03 37 16 00-0007	HR 135' To 140' Boom Truck For Concrete Placement (170 CY Per Hour Rating) .....	555.96	
03 37 16 00-0008	HR 148' To 155' Boom Truck For Concrete Placement (170 CY Per Hour Rating) .....	619.75	
03 37 16 00-0009	HR 170' To 175' Boom Truck For Concrete Placement (182 CY Per Hour Rating) .....	774.26	
	<i>For Each CY Of Concrete Pumped, Add</i>	2.25	
03 37 16 00-0010	HR 35 CY/HR, 66 HP Trailer Mounted Concrete Pump .....	166.10	
	Note: Includes hoses		

**03 39 Concrete Curing** (03 30)

**03 39 13 Water Concrete Curing** (03 39)

<b>03 39 13 00-0001</b>	<b>Water Concrete Curing</b> (03 39 13)		
03 39 13 00-0002	SF Water Based Curing, Sealing, Hardening And Dustproofing Compound .....	0.35	
	Note: Coverage rates: rough finish = 300 SF/GAL, broom finish = 300 to 400 SF/GAL, steel troweled = 500 to 600 SF/GAL, and vertical surface = 400 - 500 SF/GAL.		

**03 39 23 Membrane Concrete Curing** (03 39)

**03 39 23 23 Sheet Membrane Concrete Curing** (03 39 23)

<b>03 39 23 23-0001</b>	<b>Warm Weather Concrete Curing Blankets</b> (03 39 23 23)		
03 39 23 23-0002	CSF Warm Weather Concrete Curing Blankets .....	33.77	
<b>03 39 23 23-0003</b>	<b>Cold Weather Concrete Curing Blankets</b> (03 39 23 23)		
03 39 23 23-0004	CSF Electric, Cold Weather Concrete Curing Blanket .....	304.68	
03 39 23 23-0005	CSF Non-Electric, Cold Weather Concrete Curing Blanket .....	36.51	

**03 40 Precast Concrete** (03)

Note: Precast concrete material prices are based on a precast operation producing large quantities of precast products. Includes the concrete panel, delivery to construction site and overhead/mobilization charges for the precast plant.

**03 41 Precast Structural Concrete** (03 40)

**03 41 16 Precast Concrete Slabs** (03 41)

<b>03 41 16 00-0001</b>	<b>Flat Floor Slab/Floor Plank</b> (03 41 16)		
<b>03 41 16 00-0002</b>	<b>Erection Costs For Using A 90 Ton Crawler Crane</b> (03 41 16 00-0001)		
	Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.		
03 41 16 00-0003	EA Erect Precast Floor Deck, 0-2 Ton/Piece 150' Maximum Radius With 90 Ton Crane.....	354.40	283.54
03 41 16 00-0004	EA Erect Precast Floor Deck, 2-3 Ton/Piece 121' Maximum Radius With 90 Ton Crane.....	393.97	315.13
03 41 16 00-0005	EA Erect Precast Floor Deck, 3-4 Ton/Piece 105' Maximum Radius With 90 Ton Crane.....	418.34	334.65
03 41 16 00-0006	EA Erect Precast Floor Deck, 4-5 Ton/Piece 88' Maximum Radius With 90 Ton Crane.....	443.49	354.81
03 41 16 00-0007	EA Erect Precast Floor Deck, 5-6 Ton/Piece 82' Maximum Radius With 90 Ton Crane.....	474.61	379.67
03 41 16 00-0008	EA Erect Precast Floor Deck, 6-7 Ton/Piece 75' Maximum Radius With 90 Ton Crane.....	507.24	405.79
03 41 16 00-0009	EA Erect Precast Floor Deck, 7-8 Ton/Piece 70' Maximum Radius With 90 Ton Crane.....	544.69	435.71
03 41 16 00-0010	EA Erect Precast Floor Deck, 8-9 Ton/Piece 65' Maximum Radius With 90 Ton Crane.....	592.40	473.89
03 41 16 00-0011	EA Erect Precast Floor Deck, 9-10 Ton/Piece 60' Maximum Radius With 90 Ton Crane.....	644.11	515.36

**03 41 16 00-0012 Material Cost** (03 41 16 00-0001)

Note: Includes cost for 3000 PSI concrete, reinforcing steel, imbedded items, formwork and precast plant operations cost.

03 41 16 00-0013	SF 4" Thick 3,000 PSI Concrete, Precast Floor Slab Or Plank, Ready To Erect.....	31.32	
	<i>For 3,500 PSI Concrete, Add</i>	0.63	
	<i>For 4,000 PSI Concrete, Add</i>	0.94	
	<i>For 4,500 PSI Concrete, Add</i>	1.25	
	<i>For 5,000 PSI Concrete, Add</i>	1.88	



<b>Concrete</b>	<b>03</b>	<b>03</b>
<b>Precast Concrete</b>	<b>03 40</b>	
<b>Precast Structural Concrete</b>	<b>03 41</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 41 16 00-0014 SF 5" Thick 3,000 PSI Concrete, Precast Floor Slab Or Plank, Ready To Erect.....	37.59	
<i>For 3,500 PSI Concrete, Add</i>	0.75	
<i>For 4,000 PSI Concrete, Add</i>	1.13	
<i>For 4,500 PSI Concrete, Add</i>	1.50	
<i>For 5,000 PSI Concrete, Add</i>	2.26	
03 41 16 00-0015 SF 6" Thick 3,000 PSI Concrete, Precast Floor Slab Or Plank, Ready To Erect.....	45.94	
<i>For 3,500 PSI Concrete, Add</i>	0.92	
<i>For 4,000 PSI Concrete, Add</i>	1.38	
<i>For 4,500 PSI Concrete, Add</i>	1.84	
<i>For 5,000 PSI Concrete, Add</i>	2.76	
03 41 16 00-0016 SF 8" Thick 3,000 PSI Concrete, Precast Floor Slab Or Plank, Ready To Erect.....	60.98	
<i>For 3,500 PSI Concrete, Add</i>	1.22	
<i>For 4,000 PSI Concrete, Add</i>	1.83	
<i>For 4,500 PSI Concrete, Add</i>	2.44	
<i>For 5,000 PSI Concrete, Add</i>	3.66	
<b>03 41 16 00-0017 Floor Units, Combination Beam And Slab</b> <small>(03 41 16)</small>		
<b>03 41 16 00-0018 Erection Costs For Using 90 Ton Crawler Crane</b> <small>(03 41 16 00-0017)</small>		
<small>Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.</small>		
03 41 16 00-0019 EA Erect Precast Comb Deck, 0-5 Ton/Piece Beam And Slab, 88' Maximum Radius With 90 Ton Crane .....	435.27	348.20
03 41 16 00-0020 EA Erect Precast Comb Deck, 5-10 Ton/Piece Beam And Slab, 60' Maximum Radius With 90 Ton Crane .....	474.42	379.58
03 41 16 00-0021 EA Erect Precast Comb Deck, 10-15 Ton/Piece Beam And Slab, 43' Maximum Radius With 90 Ton Crane .....	524.35	419.43
03 41 16 00-0022 EA Erect Precast Comb Deck, 15-20 Ton/Piece Beam And Slab, 36' Maximum Radius With 90 Ton Crane .....	582.24	465.76
03 41 16 00-0023 EA Erect Precast Comb Deck, 20-25 Ton/Piece Beam And Slab, 31' Maximum Radius With 90 Ton Crane .....	654.48	523.54
<b>03 41 16 00-0024 Erection Costs Using A 125 Ton Crawler Crane</b> <small>(03 41 16 00-0017)</small>		
<small>Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.</small>		
03 41 16 00-0025 EA Erect Precast Comb Deck, 0-5 Ton/Piece Beam And Slab, 110' Maximum Radius, 125 Ton Crane .....	552.96	442.40
03 41 16 00-0026 EA Erect Precast Comb Deck, 5-10 Ton/Piece Beam And Slab, 75' Maximum Radius, 125 Ton Crane .....	602.70	482.12
03 41 16 00-0027 EA Erect Precast Comb Deck, 10-15 Ton/Piece Beam And Slab, 55' Maximum Radius, 125 Ton Crane .....	666.14	532.96
03 41 16 00-0028 EA Erect Precast Comb Deck, 15-20 Ton/Piece Beam And Slab, 50' Maximum Radius, 125 Ton Crane .....	739.68	591.77
03 41 16 00-0029 EA Erect Precast Comb Deck, 20-25 Ton/Piece Beam And Slab, 40' Maximum Radius, 125 Ton Crane .....	831.46	665.24
03 41 16 00-0030 EA Erect Precast Comb Deck, 20-25 Ton/Piece Beam And Slab, 33' Maximum Radius, 125 Ton Crane .....	904.06	723.19
03 41 16 00-0031 EA Erect Precast Comb Deck, 20-25 Ton/Piece Beam And Slab, 30' Maximum Radius, 125 Ton Crane .....	999.22	799.37
03 41 16 00-0032 EA Erect Precast Comb Deck, 20-25 Ton/Piece Beam And Slab, 28' Maximum Radius, 125 Ton Crane .....	1,105.93	884.80
03 41 16 00-0033 EA Erect Precast Comb Deck, 20-25 Ton/Piece Beam And Slab, 26' Maximum Radius, 125 Ton Crane .....	1,251.76	1,001.41
<b>03 41 16 00-0034 Material Cost</b> <small>(03 41 16 00-0017)</small>		
<small>Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork and precast plant operation.</small>		
<b>03 41 16 00-0035 4" Slab</b> <small>(03 41 16 00-0034)</small>		
03 41 16 00-0036 CY Precast Combination Deck, 4" Slab With Beams Edge Beam Only, 3,000 PSI Concrete.....	3,299.46	
<i>For 3,500 PSI Concrete, Add</i>	65.99	
<i>For 4,000 PSI Concrete, Add</i>	98.98	
<i>For 4,500 PSI Concrete, Add</i>	131.98	
<i>For 5,000 PSI Concrete, Add</i>	197.97	
03 41 16 00-0037 CY Precast Combination Deck, 4" Slab With Beams Edge Beam + 1 Interim Beam, 3,000 PSI Concrete.....	3,341.22	
<i>For 3,500 PSI Concrete, Add</i>	66.82	
<i>For 4,000 PSI Concrete, Add</i>	100.24	
<i>For 4,500 PSI Concrete, Add</i>	133.65	
<i>For 5,000 PSI Concrete, Add</i>	200.47	
03 41 16 00-0038 CY Precast Combination Deck, 4" Slab With Beams Edge Beam + 2 Interim Beam, 3,000 PSI Concrete.....	3,758.87	
<i>For 3,500 PSI Concrete, Add</i>	75.18	
<i>For 4,000 PSI Concrete, Add</i>	112.77	
<i>For 4,500 PSI Concrete, Add</i>	150.35	
<i>For 5,000 PSI Concrete, Add</i>	225.53	
<b>03 41 16 00-0039 5" Slab</b> <small>(03 41 16 00-0034)</small>		
03 41 16 00-0040 CY Precast Combination Deck, 5" Slab With Beams Edge Beam Only, 3,000 PSI Concrete.....	3,382.99	
<i>For 3,500 PSI Concrete, Add</i>	67.66	
<i>For 4,000 PSI Concrete, Add</i>	101.49	
<i>For 4,500 PSI Concrete, Add</i>	135.32	
<i>For 5,000 PSI Concrete, Add</i>	202.98	
03 41 16 00-0041 CY Precast Combination Deck, 5" Slab With Beams Edge Beam + 1 Interim Beam, 3,000 PSI Concrete.....	3,508.28	
<i>For 3,500 PSI Concrete, Add</i>	70.17	
<i>For 4,000 PSI Concrete, Add</i>	105.25	
<i>For 4,500 PSI Concrete, Add</i>	140.33	
<i>For 5,000 PSI Concrete, Add</i>	210.50	
03 41 16 00-0042 CY Precast Combination Deck, 5" Slab With Beams Edge Beam + 2 Interim Beam, 3,000 PSI Concrete.....	4,468.88	
<i>For 3,500 PSI Concrete, Add</i>	89.38	
<i>For 4,000 PSI Concrete, Add</i>	134.07	
<i>For 4,500 PSI Concrete, Add</i>	178.76	
<i>For 5,000 PSI Concrete, Add</i>	268.13	
<b>03 41 16 00-0043 6" Slab</b> <small>(03 41 16 00-0034)</small>		

**03 Concrete****03 40 Precast Concrete****03 41 Precast Structural Concrete**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 41 16 00-0044 CY Precast Combination Deck, 6" Slab With Beams Edge Beam Only, 3,000 PSI Concrete.....	3,508.28	
For 3,500 PSI Concrete, Add	70.17	
For 4,000 PSI Concrete, Add	105.25	
For 4,500 PSI Concrete, Add	140.33	
For 5,000 PSI Concrete, Add	210.50	
03 41 16 00-0045 CY Precast Combination Deck, 6" Slab With Beams Edge Beam + 1 Interim Beam, 3,000 PSI Concrete.....	4,176.53	
For 3,500 PSI Concrete, Add	83.53	
For 4,000 PSI Concrete, Add	125.30	
For 4,500 PSI Concrete, Add	167.06	
For 5,000 PSI Concrete, Add	250.59	
03 41 16 00-0046 CY Precast Combination Deck, 6" Slab With Beams Edge Beam + 2 Interim Beam, 3,000 PSI Concrete.....	5,095.36	
For 3,500 PSI Concrete, Add	101.91	
For 4,000 PSI Concrete, Add	152.86	
For 4,500 PSI Concrete, Add	203.81	
For 5,000 PSI Concrete, Add	305.72	
<b>03 41 19 Precast Concrete Wall Panels (03 41)</b>		
03 41 19 00-0001 Structural Wall Panels (03 41 19)		
Note: Gray, smooth form or board finish one side.		
03 41 19 00-0002 Erection Cost Using 50 Ton Hydraulic Crane (03 41 19 00-0001)		
Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking of joints.		
03 41 19 00-0003 EA Erect Precast Wall Panel 0-1 Ton/Piece 100' Maximum Radius With 50 Ton Crane.....	351.19	280.98
03 41 19 00-0004 EA Erect Precast Wall Panel 1-3 Ton/Piece 65' Maximum Radius With 50 Ton Crane.....	390.41	312.27
03 41 19 00-0005 EA Erect Precast Wall Panel 3-5 Ton/Piece 50' Maximum Radius With 50 Ton Crane.....	439.47	351.60
03 41 19 00-0006 EA Erect Precast Wall Panel 5-7 Ton/Piece 40' Maximum Radius With 50 Ton Crane.....	470.32	376.23
03 41 19 00-0007 EA Erect Precast Wall Panel 7-9 Ton/Piece 33' Maximum Radius With 50 Ton Crane.....	502.65	402.12
03 41 19 00-0008 EA Erect Precast Wall Panel 9-11 Ton/Piece 30' Maximum Radius With 50 Ton Crane.....	539.76	431.77
03 41 19 00-0009 EA Erect Precast Wall Panel 11-13 Ton/Piece 25' Maximum Radius With 50 Ton Crane.....	587.03	469.60
03 41 19 00-0010 EA Erect Precast Wall Panel 13-15 Ton/Piece 23' Maximum Radius With 50 Ton Crane.....	638.28	510.69
03 41 19 00-0011 Erection Cost Using 90 Ton Crawler Crane (03 41 19 00-0001)		
Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking of joints.		
03 41 19 00-0012 EA Erect Precast Wall Panel 0-1 Ton/Piece 180' Maximum Radius With 90 Ton Crane.....	391.55	313.20
03 41 19 00-0013 EA Erect Precast Wall Panel 1-3 Ton/Piece 121' Maximum Radius With 90 Ton Crane.....	435.27	348.20
03 41 19 00-0014 EA Erect Precast Wall Panel 3-5 Ton/Piece 89' Maximum Radius With 90 Ton Crane.....	489.97	392.04
03 41 19 00-0015 EA Erect Precast Wall Panel 5-7 Ton/Piece 75' Maximum Radius With 90 Ton Crane.....	524.35	419.43
03 41 19 00-0016 EA Erect Precast Wall Panel 7-9 Ton/Piece 65' Maximum Radius With 90 Ton Crane.....	560.40	448.33
03 41 19 00-0017 EA Erect Precast Wall Panel 9-11 Ton/Piece 55' Maximum Radius With 90 Ton Crane.....	601.78	481.45
03 41 19 00-0018 EA Erect Precast Wall Panel 11-13 Ton/Piece 50' Maximum Radius With 90 Ton Crane.....	654.48	523.54
03 41 19 00-0019 EA Erect Precast Wall Panel 13-15 Ton/Piece 43' Maximum Radius With 90 Ton Crane.....	711.62	569.24
03 41 19 00-0020 EA Erect Precast Wall Panel 15-20 Ton/Piece 36' Maximum Radius With 90 Ton Crane.....	786.53	629.27
03 41 19 00-0021 EA Erect Precast Wall Panel 20-25 Ton/Piece 31' Maximum Radius With 90 Ton Crane.....	870.53	696.40
03 41 19 00-0022 EA Erect Precast Wall Panel 25-30 Ton/Piece 26' Maximum Radius With 90 Ton Crane.....	985.32	788.30
03 41 19 00-0023 EA Erect Precast Wall Panel 30-35 Ton/Piece 25' Maximum Radius With 90 Ton Crane.....	1,120.80	896.64
03 41 19 00-0024 EA Erect Precast Wall Panel 35-40 Ton/Piece 23' Maximum Radius With 90 Ton Crane.....	1,299.49	1,039.61
03 41 19 00-0025 Material Cost (03 41 19 00-0001)		
Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork and precast plant operations.		
03 41 19 00-0026 SF 4" Thick 3,000 PSI Concrete, Precast Wall Panel, Ready To Erect.....	41.76	
For 3,500 PSI Concrete, Add	0.84	
For 4,000 PSI Concrete, Add	1.25	
For 4,500 PSI Concrete, Add	1.67	
For 5,000 PSI Concrete, Add	2.51	
For White Facing, Add	8.35	
For Solid White Through Thickness, Add	8.35	
For Broken Rib Finish, Add	4.18	
For Fluted Surface, Add	4.18	
For Exposed Aggregate, Add	8.35	
For Sandblasting Of Surface, Add	4.18	
For 2" Polystyrene Insulation, Add	2.15	
03 41 19 00-0027 SF 5" Thick 3,000 PSI Concrete, Precast Wall Panel, Ready To Erect.....	51.37	
For 3,500 PSI Concrete, Add	1.03	
For 4,000 PSI Concrete, Add	1.54	
For 4,500 PSI Concrete, Add	2.05	
For 5,000 PSI Concrete, Add	3.08	
For White Facing, Add	10.27	
For Solid White Through Thickness, Add	10.27	
For Broken Rib Finish, Add	5.14	
For Fluted Surface, Add	5.14	
For Exposed Aggregate, Add	10.27	
For Sandblasting Of Surface, Add	5.14	
For 2" Polystyrene Insulation, Add	2.15	





<b>Concrete</b>	<b>03</b>	<b>03</b>
<b>Precast Concrete</b>	<b>03 40</b>	
<b>Precast Structural Concrete</b>	<b>03 41</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 41 19 00-0028 SF 6" Thick 3,000 PSI Concrete, Precast Wall Panel, Ready To Erect.....	61.81	
For 3,500 PSI Concrete, Add	1.24	
For 4,000 PSI Concrete, Add	1.85	
For 4,500 PSI Concrete, Add	2.47	
For 5,000 PSI Concrete, Add	3.71	
For White Facing, Add	12.36	
For Solid White Through Thickness, Add	12.36	
For Broken Rib Finish, Add	6.18	
For Fluted Surface, Add	6.18	
For Exposed Aggregate, Add	12.36	
For Sandblasting Of Surface, Add	6.18	
For 2" Polystyrene Insulation, Add	2.15	
03 41 19 00-0029 SF 8" Thick 3,000 PSI Concrete, Precast Wall Panel, Ready To Erect.....	81.44	
For 3,500 PSI Concrete, Add	1.63	
For 4,000 PSI Concrete, Add	2.44	
For 4,500 PSI Concrete, Add	3.26	
For 5,000 PSI Concrete, Add	4.89	
For White Facing, Add	16.29	
For Solid White Through Thickness, Add	16.29	
For Broken Rib Finish, Add	8.14	
For Fluted Surface, Add	8.14	
For Exposed Aggregate, Add	16.29	
For Sandblasting Of Surface, Add	8.14	
For 2" Polystyrene Insulation, Add	2.15	
<b>03 41 19 00-0030 Partition Panels (03 41 19)</b>		
<b>03 41 19 00-0031 Erection Costs Using 20 Ton Hydraulic Crane (03 41 19 00-0030)</b>		
Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.		
03 41 19 00-0032 EA Erect Precast Partition Wall 0-1 Ton/Piece 69' Maximum Radius With 20 Ton Crane.....	278.87	223.05
03 41 19 00-0033 EA Erect Precast Partition Wall 1-2 Ton/Piece 50' Maximum Radius With 20 Ton Crane.....	310.00	248.03
03 41 19 00-0034 EA Erect Precast Partition Wall 2-3 Ton/Piece 41' Maximum Radius With 20 Ton Crane.....	348.96	279.16
03 41 19 00-0035 EA Erect Precast Partition Wall 3-4 Ton/Piece 33' Maximum Radius With 20 Ton Crane.....	399.13	319.30
03 41 19 00-0036 EA Erect Precast Partition Wall 4-5 Ton/Piece 30' Maximum Radius With 20 Ton Crane.....	428.59	342.90
03 41 19 00-0037 EA Erect Precast Partition Wall 5-6 Ton/Piece 26' Maximum Radius With 20 Ton Crane.....	466.14	372.90
03 41 19 00-0038 EA Erect Precast Partition Wall 6-7 Ton/Piece 23' Maximum Radius With 20 Ton Crane.....	506.83	405.51
03 41 19 00-0039 EA Erect Precast Partition Wall 7-8 Ton/Piece 20' Maximum Radius With 20 Ton Crane.....	560.18	448.16
<b>03 41 19 00-0040 Erection Costs Using 50 Ton Hydraulic Crane (03 41 19 00-0030)</b>		
Note: Includes handling, hoisting in place, alignment, bracing and permanent connections. Excludes grouting or caulking of joints.		
03 41 19 00-0041 EA Erect Precast Partition Wall 0-1 Ton/Piece 100' Maximum Radius With 50 Ton Crane.....	351.19	280.98
03 41 19 00-0042 EA Erect Precast Partition Wall 1-2 Ton/Piece 82' Maximum Radius With 50 Ton Crane.....	390.41	312.27
03 41 19 00-0043 EA Erect Precast Partition Wall 2-3 Ton/Piece 65' Maximum Radius With 50 Ton Crane.....	439.47	351.60
03 41 19 00-0044 EA Erect Precast Partition Wall 3-4 Ton/Piece 57' Maximum Radius With 50 Ton Crane.....	502.65	402.12
03 41 19 00-0045 EA Erect Precast Partition Wall 4-5 Ton/Piece 50' Maximum Radius With 50 Ton Crane.....	539.76	431.77
03 41 19 00-0046 EA Erect Precast Partition Wall 5-6 Ton/Piece 44' Maximum Radius With 50 Ton Crane.....	587.03	469.60
03 41 19 00-0047 EA Erect Precast Partition Wall 6-7 Ton/Piece 40' Maximum Radius With 50 Ton Crane.....	638.28	510.69
03 41 19 00-0048 EA Erect Precast Partition Wall 7-8 Ton/Piece 36' Maximum Radius With 50 Ton Crane.....	705.47	564.34
03 41 19 00-0049 EA Erect Precast Partition Wall 8-10 Ton/Piece 31' Maximum Radius With 50 Ton Crane.....	780.81	624.66
03 41 19 00-0050 EA Erect Precast Partition Wall 10-12 Ton/Piece 26' Maximum Radius With 50 Ton Crane.....	883.78	706.97
03 41 19 00-0051 EA Erect Precast Partition Wall 12-14 Ton/Piece 25' Maximum Radius With 50 Ton Crane.....	1,005.29	804.24
03 41 19 00-0052 EA Erect Precast Partition Wall 14-16 Ton/Piece 21' Maximum Radius With 50 Ton Crane.....	1,165.55	932.41
<b>03 41 19 00-0053 Material Cost (03 41 19 00-0030)</b>		
Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork and precast plant operations.		
03 41 19 00-0054 SF 4" Thick 3,000 PSI Concrete, Precast Partition Wall, Ready To Erect.....	39.68	
For 4,000 PSI Concrete, Add	1.19	
For 4,500 PSI Concrete, Add	1.59	
For 5,000 PSI Concrete, Add	2.38	
For White Facing, Add	7.94	
For Solid White Through Thickness, Add	7.94	
For Broken Rib Finish, Add	3.97	
For Fluted Surface, Add	3.97	
For Exposed Aggregate, Add	7.94	
For Sandblasting Of Surface, Add	3.97	
03 41 19 00-0055 SF 5" Thick 3,000 PSI Concrete, Precast Partition Wall, Ready To Erect.....	48.86	
For 4,000 PSI Concrete, Add	1.47	
For 4,500 PSI Concrete, Add	1.95	
For 5,000 PSI Concrete, Add	2.93	
For White Facing, Add	9.77	
For Solid White Through Thickness, Add	9.77	
For Broken Rib Finish, Add	4.89	
For Fluted Surface, Add	4.89	
For Exposed Aggregate, Add	9.77	
For Sandblasting Of Surface, Add	4.89	

**03 Concrete****03 40 Precast Concrete****03 41 Precast Structural Concrete**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 41 19 00-0056 SF 6" Thick 3,000 PSI Concrete, Precast Partition Wall, Ready To Erect.....	58.47	
For 4,000 PSI Concrete, Add	1.75	
For 4,500 PSI Concrete, Add	2.34	
For 5,000 PSI Concrete, Add	3.51	
For White Facing, Add	11.69	
For Solid White Through Thickness, Add	11.69	
For Broken Rib Finish, Add	5.85	
For Fluted Surface, Add	5.85	
For Exposed Aggregate, Add	11.69	
For Sandblasting Of Surface, Add	5.85	
03 41 19 00-0057 SF 8" Thick 3,000 PSI Concrete, Precast Partition Wall, Ready To Erect.....	77.27	
For 4,000 PSI Concrete, Add	2.32	
For 4,500 PSI Concrete, Add	3.09	
For 5,000 PSI Concrete, Add	4.64	
For White Facing, Add	15.45	
For Solid White Through Thickness, Add	15.45	
For Broken Rib Finish, Add	7.73	
For Fluted Surface, Add	7.73	
For Exposed Aggregate, Add	15.45	
For Sandblasting Of Surface, Add	7.73	
<b>03 41 19 00-0058 Cladding Panels (03 41 19)</b>		
<b>03 41 19 00-0059 Erection Costs Using 50 Ton Hydraulic Crane (03 41 19 00-0058)</b>		
Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.		
03 41 19 00-0060 EA Erect Precast Cladding 0-1 Ton/Piece 100' Maximum Radius With 50 Ton Crane.....	370.61	296.43
03 41 19 00-0061 EA Erect Precast Cladding 1-3 Ton/Piece 65' Maximum Radius With 50 Ton Crane.....	414.56	331.62
03 41 19 00-0062 EA Erect Precast Cladding 3-5 Ton/Piece 50' Maximum Radius With 50 Ton Crane.....	470.32	376.23
03 41 19 00-0063 EA Erect Precast Cladding 5-7 Ton/Piece 40' Maximum Radius With 50 Ton Crane.....	502.65	402.12
03 41 19 00-0064 EA Erect Precast Cladding 7-9 Ton/Piece 33' Maximum Radius With 50 Ton Crane.....	539.76	431.77
03 41 19 00-0065 EA Erect Precast Cladding 9-11 Ton/Piece 30' Maximum Radius With 50 Ton Crane.....	587.03	469.60
03 41 19 00-0066 EA Erect Precast Cladding 11-13 Ton/Piece 25' Maximum Radius With 50 Ton Crane.....	638.28	510.69
03 41 19 00-0067 EA Erect Precast Cladding 13-15 Ton/Piece 23' Maximum Radius With 50 Ton Crane.....	705.47	564.34
<b>03 41 19 00-0068 Erection Costs Using 90 Ton Crawler Crane (03 41 19 00-0058)</b>		
Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.		
03 41 19 00-0069 EA Erect Precast Cladding 0-1 Ton/Piece 180' Maximum Radius With 90 Ton Crane.....	413.21	330.51
03 41 19 00-0070 EA Erect Precast Cladding 1-3 Ton/Piece 121' Maximum Radius With 90 Ton Crane.....	462.18	369.74
03 41 19 00-0071 EA Erect Precast Cladding 3-5 Ton/Piece 89' Maximum Radius With 90 Ton Crane.....	524.35	419.43
03 41 19 00-0072 EA Erect Precast Cladding 5-7 Ton/Piece 75' Maximum Radius With 90 Ton Crane.....	560.40	448.33
03 41 19 00-0073 EA Erect Precast Cladding 7-9 Ton/Piece 65' Maximum Radius With 90 Ton Crane.....	601.78	481.45
03 41 19 00-0074 EA Erect Precast Cladding 9-11 Ton/Piece 55' Maximum Radius With 90 Ton Crane.....	654.48	523.54
03 41 19 00-0075 EA Erect Precast Cladding 11-13 Ton/Piece 90' Maximum Radius With 90 Ton Crane.....	711.62	569.24
03 41 19 00-0076 EA Erect Precast Cladding 13-15 Ton/Piece 43' Maximum Radius With 90 Ton Crane.....	786.53	629.27
03 41 19 00-0077 EA Erect Precast Cladding 15-20 Ton/Piece 36' Maximum Radius With 90 Ton Crane.....	870.53	696.40
03 41 19 00-0078 EA Erect Precast Cladding 20-25 Ton/Piece 31' Maximum Radius With 90 Ton Crane.....	985.32	788.30
03 41 19 00-0079 EA Erect Precast Cladding 25-30 Ton/Piece 26' Maximum Radius With 90 Ton Crane.....	1,120.80	896.64
03 41 19 00-0080 EA Erect Precast Cladding 30-35 Ton/Piece 25' Maximum Radius With 90 Ton Crane.....	1,299.49	1,039.61
<b>03 41 19 00-0081 Material Cost (03 41 19 00-0058)</b>		
Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork, and precast plant operations.		
03 41 19 00-0082 SF 4" Thick 3,000 PSI Concrete, Precast Cladding Panel, Ready To Erect.....	39.68	
For 3,500 PSI Concrete, Add	0.79	
For 4,000 PSI Concrete, Add	1.19	
For 4,500 PSI Concrete, Add	1.59	
For 5,000 PSI Concrete, Add	2.38	
For White Facing, Add	7.94	
For Solid White Through Thickness, Add	7.94	
For Broken Rib Finish, Add	3.97	
For Fluted Surface, Add	3.97	
For Exposed Aggregate, Add	7.94	
For Sandblasting Of Surface, Add	3.97	
03 41 19 00-0083 SF 5" Thick 3,000 PSI Concrete, Precast Cladding Panel, Ready To Erect.....	48.86	
For 3,500 PSI Concrete, Add	0.98	
For 4,000 PSI Concrete, Add	1.47	
For 4,500 PSI Concrete, Add	1.95	
For 5,000 PSI Concrete, Add	2.93	
For White Facing, Add	9.77	
For Solid White Through Thickness, Add	9.77	
For Broken Rib Finish, Add	4.89	
For Fluted Surface, Add	4.89	
For Exposed Aggregate, Add	9.77	
For Sandblasting Of Surface, Add	4.89	



<b>Concrete</b>	<b>03</b>	<b>03</b>
<b>Precast Concrete</b>	<b>03 40</b>	
<b>Precast Structural Concrete</b>	<b>03 41</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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03 41 19 00-0084	SF 6" Thick 3,000 PSI Concrete, Precast Cladding Panel, Ready To Erect.....	58.47	
	<i>For 3,500 PSI Concrete, Add</i>	1.17	
	<i>For 4,000 PSI Concrete, Add</i>	1.75	
	<i>For 4,500 PSI Concrete, Add</i>	2.34	
	<i>For 5,000 PSI Concrete, Add</i>	3.51	
	<i>For White Facing, Add</i>	11.69	
	<i>For Solid White Through Thickness, Add</i>	11.69	
	<i>For Broken Rib Finish, Add</i>	5.85	
	<i>For Fluted Surface, Add</i>	5.85	
	<i>For Exposed Aggregate, Add</i>	11.69	
	<i>For Sandblasting Of Surface, Add</i>	5.85	
03 41 19 00-0085	SF 8" Thick 3,000 PSI Concrete, Precast Cladding Panel, Ready To Erect.....	77.27	
	<i>For 3,500 PSI Concrete, Add</i>	1.55	
	<i>For 4,000 PSI Concrete, Add</i>	2.32	
	<i>For 4,500 PSI Concrete, Add</i>	3.09	
	<i>For 5,000 PSI Concrete, Add</i>	4.64	
	<i>For White Facing, Add</i>	15.45	
	<i>For Solid White Through Thickness, Add</i>	15.45	
	<i>For Broken Rib Finish, Add</i>	7.73	
	<i>For Fluted Surface, Add</i>	7.73	
	<i>For Exposed Aggregate, Add</i>	15.45	
	<i>For Sandblasting Of Surface, Add</i>	7.73	

**03 41 19 00-0086 Sandwich Panel** (03 41 19)

**03 41 19 00-0087 Erection Costs Using 50 Ton Hydraulic Crane** (03 41 19 00-0086)

Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.

03 41 19 00-0088	EA Erect Precast Sandwich Panel 0-1 Ton/Piece 100' Maximum Radius With 50 Ton Crane .....	370.61	296.43
03 41 19 00-0089	EA Erect Precast Sandwich Panel 1-3 Ton/Piece 65' Maximum Radius With 50 Ton Crane .....	414.56	331.62
03 41 19 00-0090	EA Erect Precast Sandwich Panel 3-5 Ton/Piece 50' Maximum Radius With 50 Ton Crane .....	470.32	376.23
03 41 19 00-0091	EA Erect Precast Sandwich Panel 5-7 Ton/Piece 40' Maximum Radius With 50 Ton Crane .....	502.65	402.12
03 41 19 00-0092	EA Erect Precast Sandwich Panel 7-9 Ton/Piece 33' Maximum Radius With 50 Ton Crane .....	539.76	431.77
03 41 19 00-0093	EA Erect Precast Sandwich Panel 9-11 Ton/Piece 30' Maximum Radius With 50 Ton Crane .....	587.03	469.60
03 41 19 00-0094	EA Erect Precast Sandwich Panel 11-13 Ton/Piece 25' Maximum Radius With 50 Ton Crane .....	638.28	510.69
03 41 19 00-0095	EA Erect Precast Sandwich Panel 13-15 Ton/Piece 23' Maximum Radius With 50 Ton Crane .....	705.47	564.34

**03 41 19 00-0096 Erection Costs Using 90 Ton Crawler Crane** (03 41 19 00-0086)

Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.

03 41 19 00-0097	EA Erect Precast Sandwich Panel 0-1 Ton/Piece 180' Maximum Radius With 90 Ton Crane .....	374.00	299.14
03 41 19 00-0098	EA Erect Precast Sandwich Panel 1-3 Ton/Piece 121' Maximum Radius With 90 Ton Crane .....	418.34	334.65
03 41 19 00-0099	EA Erect Precast Sandwich Panel 3-5 Ton/Piece 89' Maximum Radius With 90 Ton Crane .....	474.61	379.67
03 41 19 00-0100	EA Erect Precast Sandwich Panel 5-7 Ton/Piece 75' Maximum Radius With 90 Ton Crane .....	507.24	405.79
03 41 19 00-0101	EA Erect Precast Sandwich Panel 7-9 Ton/Piece 65' Maximum Radius With 90 Ton Crane .....	544.69	435.71
03 41 19 00-0102	EA Erect Precast Sandwich Panel 9-11 Ton/Piece 55' Maximum Radius With 90 Ton Crane .....	592.40	473.89
03 41 19 00-0103	EA Erect Precast Sandwich Panel 11-13 Ton/Piece 50' Maximum Radius With 90 Ton Crane .....	644.11	515.36
03 41 19 00-0104	EA Erect Precast Sandwich Panel 13-15 Ton/Piece 43' Maximum Radius With 90 Ton Crane .....	711.91	569.50
03 41 19 00-0105	EA Erect Precast Sandwich Panel 15-20 Ton/Piece 36' Maximum Radius With 90 Ton Crane .....	787.95	630.37
03 41 19 00-0106	EA Erect Precast Sandwich Panel 20-25 Ton/Piece 31' Maximum Radius With 90 Ton Crane .....	891.85	713.43
03 41 19 00-0107	EA Erect Precast Sandwich Panel 25-30 Ton/Piece 26' Maximum Radius With 90 Ton Crane .....	1,014.48	811.59
03 41 19 00-0108	EA Erect Precast Sandwich Panel 30-35 Ton/Piece 25' Maximum Radius With 90 Ton Crane .....	1,176.20	940.93

**03 41 19 00-0109 Material Cost** (03 41 19 00-0086)

Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork, and precast plant operations. Sandwich panel consists of 2.5" cladding panel, 2" fiber board insulation and the structural panel as defined.

03 41 19 00-0110	SF 4" Thick 3,000 PSI Concrete, Precast Sandwich Panel, Ready To Erect .....	54.29	
	<i>For 3,500 PSI Concrete, Add</i>	1.09	
	<i>For 4,000 PSI Concrete, Add</i>	1.63	
	<i>For 4,500 PSI Concrete, Add</i>	2.17	
	<i>For 5,000 PSI Concrete, Add</i>	3.26	
	<i>For White Facing, Add</i>	10.86	
	<i>For Solid White Through Thickness, Add</i>	10.86	
	<i>For Broken Rib Finish, Add</i>	5.43	
	<i>For Fluted Surface, Add</i>	5.43	
	<i>For Exposed Aggregate, Add</i>	10.86	
	<i>For Sandblasting Of Surface, Add</i>	5.43	
03 41 19 00-0111	SF 5" Thick 3,000 PSI Concrete, Precast Sandwich Panel, Ready To Erect .....	63.90	
	<i>For 3,500 PSI Concrete, Add</i>	1.28	
	<i>For 4,000 PSI Concrete, Add</i>	1.92	
	<i>For 4,500 PSI Concrete, Add</i>	2.56	
	<i>For 5,000 PSI Concrete, Add</i>	3.83	
	<i>For White Facing, Add</i>	12.78	
	<i>For Solid White Through Thickness, Add</i>	12.78	
	<i>For Broken Rib Finish, Add</i>	6.39	
	<i>For Fluted Surface, Add</i>	6.39	
	<i>For Exposed Aggregate, Add</i>	12.78	
	<i>For Sandblasting Of Surface, Add</i>	6.39	

**03 Concrete****03 40 Precast Concrete****03 41 Precast Structural Concrete**

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

03 41 19 00-0112	SF	6" Thick 3,000 PSI Concrete, Precast Sandwich Panel, Ready To Erect .....	74.34	
		<i>For 3,500 PSI Concrete, Add</i>	1.49	
		<i>For 4,000 PSI Concrete, Add</i>	2.23	
		<i>For 4,500 PSI Concrete, Add</i>	2.97	
		<i>For 5,000 PSI Concrete, Add</i>	4.46	
		<i>For White Facing, Add</i>	14.87	
		<i>For Solid White Through Thickness, Add</i>	14.87	
		<i>For Broken Rib Finish, Add</i>	7.43	
		<i>For Fluted Surface, Add</i>	7.43	
		<i>For Exposed Aggregate, Add</i>	14.87	
		<i>For Sandblasting Of Surface, Add</i>	7.43	
03 41 19 00-0113	SF	8" Thick 3,000 PSI Concrete, Precast Sandwich Panel, Ready To Erect .....	93.97	
		<i>For 3,500 PSI Concrete, Add</i>	1.88	
		<i>For 4,000 PSI Concrete, Add</i>	2.82	
		<i>For 4,500 PSI Concrete, Add</i>	3.76	
		<i>For 5,000 PSI Concrete, Add</i>	5.64	
		<i>For White Facing, Add</i>	18.79	
		<i>For Solid White Through Thickness, Add</i>	18.79	
		<i>For Broken Rib Finish, Add</i>	9.40	
		<i>For Fluted Surface, Add</i>	9.40	
		<i>For Exposed Aggregate, Add</i>	18.79	
		<i>For Sandblasting Of Surface, Add</i>	9.40	

**03 41 23 Precast Concrete Stairs (03 41)****03 41 23 00-0001 Erection Costs Using A 50 Ton Hydraulic Crane (03 41 23)**

Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.

03 41 23 00-0002	EA	Erect Precast Stairs, 0-2 Ton/Piece 82' Maximum Radius With 50 Ton Crane.....	390.41	312.27
03 41 23 00-0003	EA	Erect Precast Stairs, 2-3 Ton/Piece 65' Maximum Radius With 50 Ton Crane.....	414.56	331.62
03 41 23 00-0004	EA	Erect Precast Stairs, 3-4 Ton/Piece 57' Maximum Radius With 50 Ton Crane.....	439.47	351.60
03 41 23 00-0005	EA	Erect Precast Stairs, 4-5 Ton/Piece 50' Maximum Radius With 50 Ton Crane.....	470.32	376.23
03 41 23 00-0006	EA	Erect Precast Stairs, 5-6 Ton/Piece 44' Maximum Radius With 50 Ton Crane.....	502.65	402.12
03 41 23 00-0007	EA	Erect Precast Stairs, 6-7 Ton/Piece 40' Maximum Radius With 50 Ton Crane.....	539.76	431.77
03 41 23 00-0008	EA	Erect Precast Stairs, 7-8 Ton/Piece 36' Maximum Radius With 50 Ton Crane.....	587.03	469.60
03 41 23 00-0009	EA	Erect Precast Stairs, 8-9 Ton/Piece 33' Maximum Radius With 50 Ton Crane.....	638.28	510.69

**03 41 23 00-0010 Erection Costs Using A 90 Ton Crawler Crane (03 41 23)**

Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.

03 41 23 00-0011	EA	Erect Precast Stairs, 0-2 Ton/Piece 151' Maximum Radius With 90 Ton Crane.....	390.41	312.27
03 41 23 00-0012	EA	Erect Precast Stairs, 2-3 Ton/Piece 121' Maximum Radius With 90 Ton Crane.....	414.56	331.62
03 41 23 00-0013	EA	Erect Precast Stairs, 3-4 Ton/Piece 105' Maximum Radius With 90 Ton Crane.....	439.47	351.60
03 41 23 00-0014	EA	Erect Precast Stairs, 4-5 Ton/Piece 89' Maximum Radius With 90 Ton Crane.....	470.32	376.23
03 41 23 00-0015	EA	Erect Precast Stairs, 5-6 Ton/Piece 82' Maximum Radius With 90 Ton Crane.....	502.65	402.12
03 41 23 00-0016	EA	Erect Precast Stairs, 6-7 Ton/Piece 75' Maximum Radius With 90 Ton Crane.....	539.76	431.77
03 41 23 00-0017	EA	Erect Precast Stairs, 7-8 Ton/Piece 70' Maximum Radius With 90 Ton Crane.....	587.03	469.60
03 41 23 00-0018	EA	Erect Precast Stairs, 8-9 Ton/Piece 65' Maximum Radius With 90 Ton Crane.....	638.28	510.69

**03 41 23 00-0019 Material Cost (03 41 23)**

Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork and precast operations.

03 41 23 00-0020	EA	3' Wide With 10-1/2" Depth Treads Precast Concrete Stair Unit, Per Riser.....	837.02	
		<i>For 3,500 PSI Concrete, Add</i>	109.23	
		<i>For 4,000 PSI Concrete, Add</i>	205.24	
		<i>For 4,500 PSI Concrete, Add</i>	301.66	
		<i>For 5,000 PSI Concrete, Add</i>	410.39	

**03 41 26 Precast Concrete Structural Sections (03 41)****03 41 26 00-0001 Precast Beams, Girder And Joists (03 41 26)****03 41 26 00-0002 Erection Costs Using A 90 Ton Crawler Crane (03 41 26 00-0001)**

Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.

03 41 26 00-0003	EA	Erect Precast Structural Sections, 0-5 Ton/Piece Beam, Girder, Joist; 89' Maximum Radius, 90 Ton Crane .....	489.97	392.04
03 41 26 00-0004	EA	Erect Precast Structural Sections, 5-10 Ton/Piece Beam, Girder, Joist; 60' Maximum Radius, 90 Ton Crane .....	524.35	419.43
03 41 26 00-0005	EA	Erect Precast Structural Sections, 10-15 Ton/Piece Beam, Girder, Joist; 43' Maximum Radius, 90 Ton Crane .....	560.40	448.33
03 41 26 00-0006	EA	Erect Precast Structural Sections, 15-20 Ton/Piece Beam, Girder, Joist; 36' Maximum Radius, 90 Ton Crane .....	601.78	481.45

**03 41 26 00-0007 Erection Costs Using A 125 Ton Crawler Crane (03 41 26 00-0001)**

Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.

03 41 26 00-0008	EA	Erect Precast Structural Sections, 0-5 Ton/Piece Beam, Girder, Joist; 110' Maximum Radius, 125 Ton Crane .....	622.46	497.93
03 41 26 00-0009	EA	Erect Precast Structural Sections, 5-10 Ton/Piece Beam, Girder, Joist; 75' Maximum Radius, 125 Ton Crane .....	666.14	532.96
03 41 26 00-0010	EA	Erect Precast Structural Sections, 10-15 Ton/Piece Beam, Girder, Joist; 55' Maximum Radius, 125 Ton Crane .....	711.94	569.55
03 41 26 00-0011	EA	Erect Precast Structural Sections, 15-20 Ton/Piece Beam, Girder, Joist; 50' Maximum Radius, 125 Ton Crane .....	764.51	611.56
03 41 26 00-0012	EA	Erect Precast Structural Sections, 20-25 Ton/Piece Beam, Girder, Joist; 40' Maximum Radius, 125 Ton Crane .....	831.46	665.24
03 41 26 00-0013	EA	Erect Precast Structural Sections, 25-30 Ton/Piece Beam, Girder, Joist; 33' Maximum Radius, 125 Ton Crane .....	904.06	723.19
03 41 26 00-0014	EA	Erect Precast Structural Sections, 30-35 Ton/Piece Beam, Girder, Joist; 30' Maximum Radius, 125 Ton Crane .....	999.22	799.37



<b>Concrete</b>	<b>03</b>	<b>03</b>
<b>Precast Concrete</b>	<b>03 40</b>	
<b>Precast Structural Concrete</b>	<b>03 41</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 41 26 00-0015 EA Erect Precast Structural Sections, 35-40 Ton/Piece Beam, Girder, Joist; 28' Maximum Radius, 125 Ton Crane .....	1,105.93	884.80
<b>03 41 26 00-0016 Material Cost</b> <small>(03 41 26 00-0001)</small>		
<small>Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork, and precast plant operations.</small>		
<b>03 41 26 00-0017 1,000 LB/LF Live Load</b> <small>(03 41 26 00-0016)</small>		
03 41 26 00-0018 LF Precast Structural Sections, 1,000 LB/LF, 15' Span Live Load, Span, 3,000 PSI.....	167.38	
<i>For 3,500 PSI Concrete, Add</i>	4.57	
<i>For 4,000 PSI Concrete, Add</i>	6.86	
<i>For 4,500 PSI Concrete, Add</i>	9.14	
<i>For 5,000 PSI Concrete, Add</i>	13.73	
03 41 26 00-0019 LF Precast Structural Sections, 1,000 LB/LF, 20' Span Live Load, Span, 3,000 PSI.....	209.22	
<i>For 3,500 PSI Concrete, Add</i>	5.71	
<i>For 4,000 PSI Concrete, Add</i>	8.58	
<i>For 4,500 PSI Concrete, Add</i>	11.42	
<i>For 5,000 PSI Concrete, Add</i>	17.16	
03 41 26 00-0020 LF Precast Structural Sections, 1,000 LB/LF, 30' Span Live Load, Span, 3,000 PSI.....	251.07	
<i>For 3,500 PSI Concrete, Add</i>	6.85	
<i>For 4,000 PSI Concrete, Add</i>	10.29	
<i>For 4,500 PSI Concrete, Add</i>	13.71	
<i>For 5,000 PSI Concrete, Add</i>	20.59	
<b>03 41 26 00-0021 3,000 LB/LF Live Load</b> <small>(03 41 26 00-0016)</small>		
03 41 26 00-0022 LF Precast Structural Sections, 3,000 LB/LF, 15' Span Live Load, Span, 3,000 PSI.....	209.22	
<i>For 3,500 PSI Concrete, Add</i>	5.71	
<i>For 4,000 PSI Concrete, Add</i>	8.58	
<i>For 4,500 PSI Concrete, Add</i>	11.42	
<i>For 5,000 PSI Concrete, Add</i>	17.16	
03 41 26 00-0023 LF Precast Structural Sections, 3,000 LB/LF, 20' Span Live Load, Span, 3,000 PSI.....	251.07	
<i>For 3,500 PSI Concrete, Add</i>	6.85	
<i>For 4,000 PSI Concrete, Add</i>	10.29	
<i>For 4,500 PSI Concrete, Add</i>	13.71	
<i>For 5,000 PSI Concrete, Add</i>	20.59	
03 41 26 00-0024 LF Precast Structural Sections, 3,000 LB/LF, 30' Span Live Load, Span, 3,000 PSI.....	334.76	
<i>For 3,500 PSI Concrete, Add</i>	9.14	
<i>For 4,000 PSI Concrete, Add</i>	13.73	
<i>For 4,500 PSI Concrete, Add</i>	18.28	
<i>For 5,000 PSI Concrete, Add</i>	27.45	
<b>03 41 26 00-0025 5,000 LB/LF Live Load</b> <small>(03 41 26 00-0016)</small>		
03 41 26 00-0026 LF Precast Structural Sections, 5,000 LB/LF, 15' Span Live Load, Span, 3,000 PSI.....	292.91	
<i>For 3,500 PSI Concrete, Add</i>	8.00	
<i>For 4,000 PSI Concrete, Add</i>	12.01	
<i>For 4,500 PSI Concrete, Add</i>	15.99	
<i>For 5,000 PSI Concrete, Add</i>	24.02	
03 41 26 00-0027 LF Precast Structural Sections, 5,000 LB/LF, 20' Span Live Load, Span, 3,000 PSI.....	334.76	
<i>For 3,500 PSI Concrete, Add</i>	9.14	
<i>For 4,000 PSI Concrete, Add</i>	13.73	
<i>For 4,500 PSI Concrete, Add</i>	18.28	
<i>For 5,000 PSI Concrete, Add</i>	27.45	
03 41 26 00-0028 LF Precast Structural Sections, 5,000 LB/LF, 30' Span Live Load, Span, 3,000 PSI.....	418.45	
<i>For 3,500 PSI Concrete, Add</i>	11.42	
<i>For 4,000 PSI Concrete, Add</i>	17.16	
<i>For 4,500 PSI Concrete, Add</i>	22.85	
<i>For 5,000 PSI Concrete, Add</i>	34.31	
<b>03 41 26 00-0029 Precast Concrete Columns</b> <small>(03 41 26)</small>		
<b>03 41 26 00-0030 Erection Costs Using A 90 Ton Crawler Crane</b> <small>(03 41 26 00-0029)</small>		
<small>Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.</small>		
03 41 26 00-0031 EA Erect Precast Concrete Columns, 0-3 Ton/Piece 121' Maximum Radius With 90 Ton Crane .....	283.77	226.99
03 41 26 00-0032 EA Erect Precast Concrete Columns, 3-5 Ton/Piece 89' Maximum Radius With 90 Ton Crane .....	301.70	241.32
03 41 26 00-0033 EA Erect Precast Concrete Columns, 5-7 Ton/Piece 75' Maximum Radius With 90 Ton Crane .....	323.34	258.69
03 41 26 00-0034 EA Erect Precast Concrete Columns, 7-9 Ton/Piece 65' Maximum Radius With 90 Ton Crane .....	346.83	277.46
03 41 26 00-0035 EA Erect Precast Concrete Columns, 9-11 Ton/Piece 55' Maximum Radius With 90 Ton Crane .....	374.00	299.14
03 41 26 00-0036 EA Erect Precast Concrete Columns, 11-13 Ton/Piece 50' Maximum Radius With 90 Ton Crane .....	405.79	324.63
03 41 26 00-0037 EA Erect Precast Concrete Columns, 13-15 Ton/Piece 43' Maximum Radius With 90 Ton Crane .....	443.49	354.81
<b>03 41 26 00-0038 Material Cost</b> <small>(03 41 26 00-0029)</small>		
<small>Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork, and precast operations.</small>		
<b>03 41 26 00-0039 12" x 12" Column, Square, Tied</b> <small>(03 41 26 00-0038)</small>		
03 41 26 00-0040 CY 12" x 12" Precast Column, Tied, Average Reinforced 351 LB/CY .....	866.32	
<i>For 3,500 PSI Concrete, Add</i>	64.97	
<i>For 4,000 PSI Concrete, Add</i>	122.15	
<i>For 4,500 PSI Concrete, Add</i>	180.19	
<i>For 5,000 PSI Concrete, Add</i>	245.17	

<b>03</b>	<b>03 Concrete</b>
	<b>03 40 Precast Concrete</b>
	<b>03 41 Precast Structural Concrete</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>03 41 26 00-0041 16" x 16" Column, Square, Tied</b> <small>(03 41 26 00-0038)</small>		
03 41 26 00-0042 CY 16" x 16" Precast Column, Tied, Average Reinforced 368 LB/CY .....	887.72	
For 3,500 PSI Concrete, Add	66.58	
For 4,000 PSI Concrete, Add	125.17	
For 4,500 PSI Concrete, Add	184.65	
For 5,000 PSI Concrete, Add	251.22	
<b>03 41 26 00-0043 20" x 20" Column, Square, Tied</b> <small>(03 41 26 00-0038)</small>		
03 41 26 00-0044 CY 20" x 20" Precast Column, Tied, Average Reinforced 357 LB/CY .....	889.43	
For 3,500 PSI Concrete, Add	66.71	
For 4,000 PSI Concrete, Add	125.41	
For 4,500 PSI Concrete, Add	185.00	
For 5,000 PSI Concrete, Add	251.71	
<b>03 41 26 00-0045 24" x 24" Column, Square, Tied</b> <small>(03 41 26 00-0038)</small>		
03 41 26 00-0046 CY 24" x 24" Precast Column, Tied, Average Reinforced 365 LB/CY .....	889.43	
For 3,500 PSI Concrete, Add	66.71	
For 4,000 PSI Concrete, Add	125.41	
For 4,500 PSI Concrete, Add	185.00	
For 5,000 PSI Concrete, Add	251.71	
<b>03 41 26 00-0047 28" x 28" Column, Square, Tied</b> <small>(03 41 26 00-0038)</small>		
03 41 26 00-0048 CY 28" x 28" Precast Column, Tied, Average Reinforced 347 LB/CY .....	889.43	
For 3,500 PSI Concrete, Add	66.71	
For 4,000 PSI Concrete, Add	125.41	
For 4,500 PSI Concrete, Add	185.00	
For 5,000 PSI Concrete, Add	251.71	
<b>03 41 26 00-0049 32" x 32" Column, Square, Tied</b> <small>(03 41 26 00-0038)</small>		
03 41 26 00-0050 CY 32" x 32" Precast Column, Tied, Average Reinforced 351 LB/CY .....	887.72	
For 3,500 PSI Concrete, Add	66.58	
For 4,000 PSI Concrete, Add	125.17	
For 4,500 PSI Concrete, Add	184.65	
For 5,000 PSI Concrete, Add	251.22	
<b>03 41 26 00-0051 36" x 36" Column, Square, Tied</b> <small>(03 41 26 00-0038)</small>		
03 41 26 00-0052 CY 36" x 36" Precast Column, Tied, Average Reinforced 278 LB/CY .....	889.43	
For 3,500 PSI Concrete, Add	66.71	
For 4,000 PSI Concrete, Add	125.41	
For 4,500 PSI Concrete, Add	185.00	
For 5,000 PSI Concrete, Add	251.71	
<b>03 41 33 Precast Structural Pretensioned Concrete</b> <small>(03 41)</small>		
<b>03 41 33 00-0001 Slabs, Roof And Floor Members</b> <small>(03 41 33)</small>		
03 41 33 00-0002 SF 4" Thick Precast Prestressed Slab, 12-16' Span Roof/Floor .....	17.69	2.30
03 41 33 00-0003 SF 6" Thick Precast Prestressed Slab, 16-25' Span Roof/Floor .....	22.06	2.30
03 41 33 00-0004 SF 8" Thick Precast Prestressed Slab, 25-32' Span Roof/Floor .....	26.42	2.42
03 41 33 00-0005 SF 10" Thick Precast Prestressed Slab, 32-40' Span Roof/Floor .....	30.80	2.53
<b>03 41 33 00-0006 Tee Members</b> <small>(03 41 33)</small>		
<b>03 41 33 00-0007 Multiple Tee, Roof And Floor</b> <small>(03 41 33 00-0006)</small>		
03 41 33 00-0008 SF Prestressed Multiple Tee, Roof And Floor Members .....	39.76	2.99
<b>03 41 33 00-0009 Double Tee Wall Member</b> <small>(03 41 33 00-0006)</small>		
03 41 33 00-0010 SF Prestressed Double Tee Wall Members Precast Concrete, <40' Span .....	56.27	8.18
<b>03 41 33 00-0011 Single Tee, Short Span, Roof Members</b> <small>(03 41 33 00-0006)</small>		
03 41 33 00-0012 SF Prestressed Single Tee, Short Span Roof Precast Concrete Members, <40' Span .....	46.74	4.95
<b>03 41 33 00-0013 Single Tee, Long Span, Roof Members</b> <small>(03 41 33 00-0006)</small>		
03 41 33 00-0014 SF Prestressed Single Tee, Long Span Roof Precast Concrete Members, <40' Span .....	56.08	4.26
<b>03 41 33 00-0015 Prestressed Concrete Items</b> <small>(03 41 33)</small>		
<b>03 41 33 00-0016 Prestressed Quad Tee</b> <small>(03 41 33 00-0015)</small>		
03 41 33 00-0017 SF Tees, Prestressed Quad Tee, Short Spans, Roof .....	28.78	0.92



<b>Concrete</b>	<b>03</b>	<b>03</b>
Precast Concrete	03 40	
Precast Structural Concrete	03 41	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 41 33 00-0018 SF Tees, Prestressed Quad Tee, Short Spans, Floor .....	30.04	0.92
<b>03 41 33 00-0019 Prestressed Double Tee</b> (03 41 33 00-0015)		
03 41 33 00-0020 SF Tees, Double Tee, Floor Members , 60' Span .....	47.86	0.81
03 41 33 00-0021 SF Tees, Double Tee, Floor Members , 80' Span .....	65.91	0.81
03 41 33 00-0022 SF Tees, Double Tee, Roof Members, 30' Span .....	32.66	1.38
03 41 33 00-0023 SF Tees, Double Tee, Roof Members, 50' Span .....	50.60	0.92
03 41 33 00-0024 SF Tees, Double Tee, Wall Members, Up To 55' High .....	35.38	1.84
<b>03 41 33 00-0025 Prestressed Single Tee</b> (03 41 33 00-0015)		
03 41 33 00-0026 SF Tees, Single Tee Roof Members, 40' Span .....	56.64	2.07
03 41 33 00-0027 SF Tees, Single Tee Roof Members, 80' Span .....	65.61	1.27
03 41 33 00-0028 SF Tees, Single Tee Roof Members, 100' Span .....	86.80	1.15
03 41 33 00-0029 SF Tees, Single Tee Roof Members, 120' Span .....	91.40	1.15
<b>03 41 33 00-0030 Prestressed Double Tee Floor Members</b> (03 41 33 00-0015)		
03 41 33 00-0031 EA Tees, Double Tees, Floor Members, Lightweight, 20" X 8' Wide, 45' .....	14,643.68	331.55
03 41 33 00-0032 EA Tees, Double Tees, Floor Members, Lightweight, 24" X 8' Wide, 50' .....	15,945.21	368.39
03 41 33 00-0033 EA Tees, Double Tees, Floor Members, Lightweight, 32" X 10' Wide, 60' .....	26,674.61	414.44
03 41 33 00-0034 EA Tees, Double Tees, Floor Members, Standard Weight, 12" X 8' Wide, 25' .....	5,733.71	301.50
03 41 33 00-0035 EA Tees, Double Tees, Floor Members, Standard Weight, 16" X 8' Wide, 25' .....	7,529.08	331.55
03 41 33 00-0036 EA Tees, Double Tees, Floor Members, Standard Weight, 18" X 8' Wide, 35' .....	9,621.61	331.55
03 41 33 00-0037 EA Tees, Double Tees, Floor Members, Standard Weight, 20" X 8' Wide, 45' .....	10,713.89	368.39
03 41 33 00-0038 EA Tees, Double Tees, Floor Members, Standard Weight, 24" X 8' Wide, 50' .....	13,700.92	414.44
03 41 33 00-0039 EA Tees, Double Tees, Floor Members, Standard Weight, 32" X 10' Wide, 60' .....	24,656.37	473.84
<b>03 41 33 00-0040 Plant Produced Pretensioned Prestressed Concrete Hollow Core Slab</b> (03 41 33)		
03 41 33 00-0041 SF Hollow Core Slab, 4" Slab, 12' - 16' Spans, Plant Produced Pretensioned Prestressed Concrete .....	30.42	
03 41 33 00-0042 SF Hollow Core Slab, 6" Slab, 16' - 25' Spans, Plant Produced Pretensioned Prestressed Concrete .....	31.66	
03 41 33 00-0043 SF Hollow Core Slab, 8" Slab, 25' - 30' Spans, Plant Produced Pretensioned Prestressed Concrete .....	33.14	
03 41 33 00-0044 SF Hollow Core Slab, 10" Slab, 30' - 35' Spans, Plant Produced Pretensioned Prestressed Concrete .....	34.23	
03 41 33 00-0045 SF Hollow Core Slab, 12" Slab, 35' - 40' Spans, Plant Produced Pretensioned Prestressed Concrete .....	36.58	
<b>03 41 33 00-0046 Double And Single Tees</b> (03 41 33)		
<b>03 41 33 00-0047 Double And Single Tees With 16" Roof And Floor Loading</b> (03 41 33 00-0046)		
03 41 33 00-0048 SF Double Tee With 16" Roof Loading, 30' Span, Pretensioned Prestressed Concrete .....	36.76	
03 41 33 00-0049 SF Double Tee With 16" Roof Loading, 40' Span, Pretensioned Prestressed Concrete .....	35.89	
03 41 33 00-0050 SF Double Tee With 16" Roof Loading, 45' Span, Pretensioned Prestressed Concrete .....	33.89	
03 41 33 00-0051 SF Double Tee With 16" Floor Loading, 30' Span, Pretensioned Prestressed Concrete .....	36.76	
03 41 33 00-0052 SF Double Tee With 16" Floor Loading, 40' Span, Pretensioned Prestressed Concrete .....	36.64	
03 41 33 00-0053 SF Single Tee With 16" Roof Loading, 30' Span, Pretensioned Prestressed Concrete .....	56.35	
03 41 33 00-0054 SF Single Tee With 16" Roof Loading, 40' Span, Pretensioned Prestressed Concrete .....	55.10	
03 41 33 00-0055 SF Single Tee With 16" Roof Loading, 45' Span, Pretensioned Prestressed Concrete .....	51.60	
03 41 33 00-0056 SF Single Tee With 16" Floor Loading, 30' Span, Pretensioned Prestressed Concrete .....	56.35	
03 41 33 00-0057 SF Single Tee With 16" Floor Loading, 40' Span, Pretensioned Prestressed Concrete .....	52.84	
<b>03 41 33 00-0058 Double And Single Tees With 24" Roof And Floor Loading</b> (03 41 33 00-0046)		
03 41 33 00-0059 SF Double Tee With 24" Roof Loading, 30' Span, Pretensioned Prestressed Concrete .....	37.89	
03 41 33 00-0060 SF Double Tee With 24" Roof Loading, 40' Span, Pretensioned Prestressed Concrete .....	37.02	
03 41 33 00-0061 SF Double Tee With 24" Roof Loading, 45' Span, Pretensioned Prestressed Concrete .....	35.78	
03 41 33 00-0062 SF Double Tee With 24" Floor Loading, 30' Span, Pretensioned Prestressed Concrete .....	37.89	
03 41 33 00-0063 SF Double Tee With 24" Floor Loading, 40' Span, Pretensioned Prestressed Concrete .....	36.64	
03 41 33 00-0064 SF Single Tee With 24" Roof Loading, 30' Span, Pretensioned Prestressed Concrete .....	57.85	
03 41 33 00-0065 SF Single Tee With 24" Roof Loading, 40' Span, Pretensioned Prestressed Concrete .....	56.60	
03 41 33 00-0066 SF Single Tee With 24" Roof Loading, 45' Span, Pretensioned Prestressed Concrete .....	54.61	
03 41 33 00-0067 SF Single Tee With 24" Floor Loading, 30' Span, Pretensioned Prestressed Concrete .....	57.85	
03 41 33 00-0068 SF Single Tee With 24" Floor Loading, 40' Span, Pretensioned Prestressed Concrete .....	56.23	
<b>03 41 33 00-0069 Double And Single Tees With 32" Roof And Floor Loading</b> (03 41 33 00-0046)		
03 41 33 00-0070 SF Double Tee With 32" Roof Load, 50' Span, Pretensioned Prestressed Concrete .....	39.94	
03 41 33 00-0071 SF Double Tee With 32" Roof Load, 60' Span, Pretensioned Prestressed Concrete .....	38.69	
03 41 33 00-0072 SF Double Tee With 32" Roof Load, 70' Span, Pretensioned Prestressed Concrete .....	37.43	
03 41 33 00-0073 SF Single Tee With 32" Roof Load, 50' Span, Pretensioned Prestressed Concrete .....	61.41	
03 41 33 00-0074 SF Single Tee With 32" Roof Load, 60' Span, Pretensioned Prestressed Concrete .....	59.41	
03 41 33 00-0075 SF Single Tee With 32" Roof Load, 70' Span, Pretensioned Prestressed Concrete .....	57.02	

**03 48 Precast Concrete Specialties** (03 40)

**03 48 16 Precast Concrete Splash Blocks** (03 48)

03 48 16 00-0001 Precast Concrete Splash Blocks (03 48 16)

<b>03</b>	<b>03 Concrete</b>
	<b>03 40 Precast Concrete</b>
	<b>03 48 Precast Concrete Specialties</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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03 48 16 00-0002	EA	Precast Concrete Splash Blocks, 20" x 12" x 3" .....	38.64	3.72
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**03 48 21 Precast Concrete Handrails (03 48)**

**03 48 21 00-0001 Installation Cost (03 48 21)**

Note: Includes handling, hoisting into place, alignment, and permanent connections. Excludes grouting.

03 48 21 00-0002	EA	Install Precast Handrails, 0-2 Ton/Handrail.....	159.03	71.60
03 48 21 00-0003	EA	Install Precast Handrails, Over 2 Ton/Handrail .....	190.74	85.80

**03 48 21 00-0004 Material Cost (03 48 21)**

Note: Includes 3000 PSI concrete, imbedded items, formwork and precast operations.

03 48 21 00-0005	CY	4" Thick 3,000 PSI Concrete Precast Concrete Handrail.....	3,306.31	
		<i>For 3,500 PSI Concrete, Add</i>	215.74	
		<i>For 4,000 PSI Concrete, Add</i>	405.35	
		<i>For 4,500 PSI Concrete, Add</i>	595.80	
		<i>For 5,000 PSI Concrete, Add</i>	810.54	
03 48 21 00-0006	CY	5" Thick 3,000 PSI Concrete Precast Concrete Handrail.....	3,431.86	
		<i>For 3,500 PSI Concrete, Add</i>	223.93	
		<i>For 4,000 PSI Concrete, Add</i>	420.75	
		<i>For 4,500 PSI Concrete, Add</i>	618.42	
		<i>For 5,000 PSI Concrete, Add</i>	841.32	
03 48 21 00-0007	CY	6" Thick 3,000 PSI Concrete Precast Concrete Handrail.....	3,557.42	
		<i>For 3,500 PSI Concrete, Add</i>	232.12	
		<i>For 4,000 PSI Concrete, Add</i>	436.14	
		<i>For 4,500 PSI Concrete, Add</i>	641.05	
		<i>For 5,000 PSI Concrete, Add</i>	872.10	
03 48 21 00-0008	CY	8" Thick 3,000 PSI Concrete Precast Concrete Handrail.....	3,724.83	
		<i>For 3,500 PSI Concrete, Add</i>	243.05	
		<i>For 4,000 PSI Concrete, Add</i>	456.66	
		<i>For 4,500 PSI Concrete, Add</i>	671.21	
		<i>For 5,000 PSI Concrete, Add</i>	913.14	

**03 48 22 Precast Concrete Sun Screen and Trellis (03 48)**

**03 48 22 00-0001 Sun Screen Blades (03 48 22)**

**03 48 22 00-0002 Installation Cost (03 48 22 00-0001)**

Note: Includes handling, hoisting into place, alignment, bracing, and permanent connections.

03 48 22 00-0003	EA	Install Precast Sun Screen Blade, 0-1 Ton/Each .....	79.52	35.80
03 48 22 00-0004	EA	Install Precast Sun Screen Blade, 1-2 Ton/Each .....	95.53	42.95
03 48 22 00-0005	EA	Install Precast Sun Screen Blade, 2-3 Ton/Each .....	119.36	53.76

**03 48 22 00-0006 Material Cost (03 48 22 00-0001)**

Note: Includes 3000 PSI concrete, imbedded items, formwork and precast concrete operations.

03 48 22 00-0007	CY	4" Thick 3,000 PSI Concrete Precast Sun Screen Blades .....	3,515.57	
		<i>For 3,500 PSI Concrete, Add</i>	229.39	
		<i>For 4,000 PSI Concrete, Add</i>	431.01	
		<i>For 4,500 PSI Concrete, Add</i>	633.51	
		<i>For 5,000 PSI Concrete, Add</i>	861.84	
03 48 22 00-0008	CY	5" Thick 3,000 PSI Concrete Precast Sun Screen Blades .....	3,641.12	
		<i>For 3,500 PSI Concrete, Add</i>	237.58	
		<i>For 4,000 PSI Concrete, Add</i>	446.40	
		<i>For 4,500 PSI Concrete, Add</i>	656.13	
		<i>For 5,000 PSI Concrete, Add</i>	892.62	
03 48 22 00-0009	CY	6" Thick 3,000 PSI Concrete Precast Sun Screen Blades .....	3,808.53	
		<i>For 3,500 PSI Concrete, Add</i>	248.51	
		<i>For 4,000 PSI Concrete, Add</i>	466.93	
		<i>For 4,500 PSI Concrete, Add</i>	686.30	
		<i>For 5,000 PSI Concrete, Add</i>	933.66	
03 48 22 00-0010	CY	8" Thick 3,000 PSI Concrete Precast Sun Screen Blades .....	3,975.94	
		<i>For 3,500 PSI Concrete, Add</i>	259.43	
		<i>For 4,000 PSI Concrete, Add</i>	487.45	
		<i>For 4,500 PSI Concrete, Add</i>	716.46	
		<i>For 5,000 PSI Concrete, Add</i>	974.70	

**03 48 22 00-0011 Sun Screen/Trellis Units (03 48 22)**

**03 48 22 00-0012 Installation Cost Using A 50 Ton Hydraulic Crane (03 48 22 00-0011)**

Note: Includes handling, hoisting into place, alignment, bracing and permanent to connections.

03 48 22 00-0013	EA	Install Precast Trellis, 0-1 Tons/Unit 100' Maximum Radius With 50 Ton Crane.....	370.61	166.76
03 48 22 00-0014	EA	Install Precast Trellis, 1-3 Tons/Unit 65' Maximum Radius With 50 Ton Crane .....	414.56	186.61
03 48 22 00-0015	EA	Install Precast Trellis, 3-5 Tons/Unit 50' Maximum Radius With 50 Ton Crane .....	470.32	211.62
03 48 22 00-0016	EA	Install Precast Trellis, 5-7 Tons/Unit 40' Maximum Radius With 50 Ton Crane .....	502.65	226.19

**03 48 22 00-0017 Material Cost (03 48 22 00-0011)**

Note: Includes 3000 PSI concrete, imbedded items, formwork and precast concrete operations.





<b>Concrete</b>	<b>03</b>	<b>03</b>
<b>Precast Concrete</b>	<b>03 40</b>	
<b>Precast Concrete Specialties</b>	<b>03 48</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 48 22 00-0018 CY 4" Thick 3,000 PSI Concrete Precast Trellises Blades .....	4,059.64	
For 3,500 PSI Concrete, Add	264.89	
For 4,000 PSI Concrete, Add	497.71	
For 4,500 PSI Concrete, Add	731.55	
For 5,000 PSI Concrete, Add	995.22	
03 48 22 00-0019 CY 5" Thick 3,000 PSI Concrete Precast Trellises Blades .....	4,185.20	
For 3,500 PSI Concrete, Add	273.08	
For 4,000 PSI Concrete, Add	513.11	
For 4,500 PSI Concrete, Add	754.17	
For 5,000 PSI Concrete, Add	1,026.00	
03 48 22 00-0020 CY 6" Thick 3,000 PSI Concrete Precast Trellises Blades .....	4,352.61	
For 3,500 PSI Concrete, Add	284.01	
For 4,000 PSI Concrete, Add	533.63	
For 4,500 PSI Concrete, Add	784.34	
For 5,000 PSI Concrete, Add	1,067.04	
03 48 22 00-0021 CY 8" Thick 3,000 PSI Concrete Precast Trellises Blades .....	4,561.87	
For 3,500 PSI Concrete, Add	297.66	
For 4,000 PSI Concrete, Add	559.29	
For 4,500 PSI Concrete, Add	822.05	
For 5,000 PSI Concrete, Add	1,118.34	
<b>03 48 24 Precast Minaret Segments (03 48)</b>		
03 48 24 00-0001 Installation Costs Using A 50 Ton Hydraulic Crane (03 48 24)		
Note: Includes handling, hoisting into place, alignment, bracing and permanent connections.		
03 48 24 00-0002 L - Shaped Segments (03 48 24 00-0001)		
03 48 24 00-0003 EA Install Minaret, L-Shape Segment, 0-1 Ton/Each 100' Maximum Radius With 50 Ton Crane .....	360.65	288.52
03 48 24 00-0004 EA Install Minaret, L-Shape Segment, 1-3 Ton/Each 65' Maximum Radius With 50 Ton Crane .....	404.14	323.33
03 48 24 00-0005 EA Install Minaret, L-Shape Segment, 3-5 Ton/Each 50' Maximum Radius With 50 Ton Crane .....	456.95	365.55
03 48 24 00-0006 EA Install Minaret, L-Shape Segment, 5-7 Ton/Each 40' Maximum Radius With 50 Ton Crane .....	487.41	389.93
03 48 24 00-0007 O - Shaped Segments (03 48 24 00-0001)		
03 48 24 00-0008 EA Install Minaret, O-Shape Segment, 0-1 Ton/Each 100' Maximum Radius With 50 Ton Crane .....	381.15	304.98
03 48 24 00-0009 EA Install Minaret, O-Shape Segment, 1-3 Ton/Each 65' Maximum Radius With 50 Ton Crane .....	427.79	342.18
03 48 24 00-0010 EA Install Minaret, O-Shape Segment, 3-5 Ton/Each 50' Maximum Radius With 50 Ton Crane .....	484.48	387.54
03 48 24 00-0011 EA Install Minaret, O-Shape Segment, 5-7 Ton/Each 40' Maximum Radius With 50 Ton Crane .....	518.86	415.06
03 48 24 00-0012 Platform Segment (03 48 24 00-0001)		
03 48 24 00-0013 EA Install Minaret, Platform Segments, 0-1 Ton/Each 100' Maximum Radius With 50 Ton Crane .....	731.12	584.95
03 48 24 00-0014 EA Install Minaret, Platform Segments, 1-3 Ton/Each 65' Maximum Radius With 50 Ton Crane .....	883.78	706.97
03 48 24 00-0015 EA Install Minaret, Platform Segments, 3-5 Ton/Each 50' Maximum Radius With 50 Ton Crane .....	980.77	784.63
03 48 24 00-0016 EA Install Minaret, Platform Segments, 5-7 Ton/Each 40' Maximum Radius With 50 Ton Crane .....	1,101.69	881.39
03 48 24 00-0017 Cap Segment (03 48 24 00-0001)		
03 48 24 00-0018 EA Install Minaret, Cap Segments, 0-1 Ton/Each 100' Maximum Radius With 50 Ton Crane .....	400.12	320.06
03 48 24 00-0019 EA Install Minaret, Cap Segments, 1-3 Ton/Each 65' Maximum Radius With 50 Ton Crane .....	446.79	357.38
03 48 24 00-0020 EA Install Minaret, Cap Segments, 3-5 Ton/Each 50' Maximum Radius With 50 Ton Crane .....	509.01	407.15
03 48 24 00-0021 EA Install Minaret, Cap Segments, 5-7 Ton/Each 40' Maximum Radius With 50 Ton Crane .....	543.40	434.66
03 48 24 00-0022 Installation Costs Using A 90 Ton Crawler Crane (03 48 24)		
Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting and caulking of joints.		
03 48 24 00-0023 L - Shaped Segments (03 48 24 00-0022)		
03 48 24 00-0024 EA Install Minaret, L-Shaped Segments, 0-1 Ton/Each 180' Maximum Radius With 90 Ton Crane .....	363.94	291.15
03 48 24 00-0025 EA Install Minaret, L-Shaped Segments, 1-3 Ton/Each 135' Maximum Radius With 90 Ton Crane .....	407.83	326.29
03 48 24 00-0026 EA Install Minaret, L-Shaped Segments, 3-5 Ton/Each 100' Maximum Radius With 90 Ton Crane .....	461.13	368.89
03 48 24 00-0027 EA Install Minaret, L-Shaped Segments, 5-7 Ton/Each 79' Maximum Radius With 90 Ton Crane .....	491.87	393.49
03 48 24 00-0028 O - Shaped Segment (03 48 24 00-0022)		
03 48 24 00-0029 EA Install Minaret, O-Shaped Segments, 0-1 Ton/Each 180' Maximum Radius With 90 Ton Crane .....	384.63	307.76
03 48 24 00-0030 EA Install Minaret, O-Shaped Segments, 1-3 Ton/Each 135' Maximum Radius With 90 Ton Crane .....	431.69	345.31
03 48 24 00-0031 EA Install Minaret, O-Shaped Segments, 3-5 Ton/Each 100' Maximum Radius With 90 Ton Crane .....	488.91	391.08
03 48 24 00-0032 EA Install Minaret, O-Shaped Segments, 5-7 Ton/Each 79' Maximum Radius With 90 Ton Crane .....	523.60	418.85
03 48 24 00-0033 Platform Segment (03 48 24 00-0022)		
03 48 24 00-0034 EA Install Minaret, Platform Segment, 0-1 Ton/Each 180' Maximum Radius With 90 Ton Crane .....	588.11	470.46
03 48 24 00-0035 EA Install Minaret, Platform Segment, 1-3 Ton/Each 135' Maximum Radius With 90 Ton Crane .....	711.91	569.50
03 48 24 00-0036 EA Install Minaret, Platform Segment, 3-5 Ton/Each 100' Maximum Radius With 90 Ton Crane .....	787.95	630.37
03 48 24 00-0037 EA Install Minaret, Platform Segment, 5-7 Ton/Each 79' Maximum Radius With 90 Ton Crane .....	891.85	713.43
03 48 24 00-0038 Cap Segment (03 48 24 00-0022)		
03 48 24 00-0039 EA Install Minaret, Cap Segment, 0-1 Ton/Each 180' Maximum Radius With 90 Ton Crane .....	403.78	322.99

<b>03</b>	<b>Concrete</b>
<b>03 40</b>	<b>Precast Concrete</b>
<b>03 48</b>	<b>Precast Concrete Specialties</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 48 24 00-0040 EA Install Minaret, Cap Segment, 1-3 Ton/Each 135' Maximum Radius With 90 Ton Crane .....	450.88	360.65
03 48 24 00-0041 EA Install Minaret, Cap Segment, 3-5 Ton/Each 100' Maximum Radius With 90 Ton Crane .....	513.66	410.87
03 48 24 00-0042 EA Install Minaret, Cap Segment, 5-7 Ton/Each 79' Maximum Radius With 90 Ton Crane .....	548.36	438.64
<b>03 48 24 00-0043</b> <b>Material Costs</b> <small>(03 48 24)</small>		
Note: Includes 3000 PSI concrete, imbedded items, formwork and precast concrete operations.		
03 48 24 00-0044 CY Precast Concrete Minaret, L-Shaped Segments, 3,000 PSI Concrete .....	10,043.92	
Note: Including Post Tension Cost		
03 48 24 00-0045 CY Precast Concrete Minaret, O-Shaped Segments, 3,000 PSI Concrete .....	10,043.92	
Note: Including Post Tension Cost		
03 48 24 00-0046 CY Precast Concrete Minaret, Platform Segments, 3,000 PSI Concrete .....	10,043.92	
Note: Including Post Tension Cost		
03 48 24 00-0047 CY Precast Concrete Minaret, Cap Segments, 3,000 PSI Concrete .....	10,043.92	
Note: Including Post Tension Cost		
<b>03 48 29</b> <b>Precast Accessories</b> <small>(03 48)</small>		
Note: Includes installation labor, material and equipment.		
<b>03 48 29 00-0001</b> <b>Bearing Pads For Precast Members</b> <small>(03 48 29)</small>		
<b>03 48 29 00-0002</b> <b>Continuous 2" Wide Strips</b> <small>(03 48 29 00-0001)</small>		
03 48 29 00-0003 LF Bearing Pads, Continuous 2" Wide x 1/8" Thick Strips .....	1.37	
Note: For precast members		
03 48 29 00-0004 LF Bearing Pads, Continuous 2" Wide x 1/4" Thick Strips .....	1.97	
Note: For precast members.		
03 48 29 00-0005 LF Bearing Pads, Continuous 2" Wide x 1/2" Thick Strips .....	3.29	
Note: For precast members		
03 48 29 00-0006 LF Bearing Pads, Continuous 2" Wide x 3/4" Thick Strips .....	4.63	
Note: For precast members		
03 48 29 00-0007 LF Bearing Pads, Continuous 2" Wide x 1" Thick Strips .....	6.03	
Note: For precast members		
03 48 29 00-0008 LF Bearing Pads, Continuous 2" Wide x 1-1/2" Thick Strips .....	8.68	
Note: For precast members		
<b>03 48 29 00-0009</b> <b>Bearing Pad Pipe Supports</b> <small>(03 48 29)</small>		
03 48 29 00-0010 LF 4" x 4" Precast Pipe Support .....	9.84	
<b>03 48 46</b> <b>Precast Skylight Shells</b> <small>(03 48)</small>		
<b>03 48 46 00-0001</b> <b>Installation Cost Using A 90 Ton Crawler Crane</b> <small>(03 48 46)</small>		
Note: Includes handling, hoisting into place, alignment, bracing and permanent connections.		
03 48 46 00-0002 EA Install Precast Skylight Shell, 0-4 Tons/Each Based On 90 Ton Crawler Crane .....	524.35	235.99
03 48 46 00-0003 EA Install Precast Skylight Shell, 4-6 Tons/Each Based On 90 Ton Crawler Crane .....	582.24	262.02
03 48 46 00-0004 EA Install Precast Skylight Shell, 6-8 Tons/Each Based On 90 Ton Crawler Crane .....	654.48	294.52
<b>03 48 46 00-0005</b> <b>Material Cost</b> <small>(03 48 46)</small>		
Note: Includes 3000 PSI concrete, imbedded items, formwork and precast concrete operations.		
03 48 46 00-0006 CY 3.5" Thick 3,000 PSI Concrete Precast Skylight With 4.4' Radius .....	4,202.06	
<b>03 48 49</b> <b>Precast Landings</b> <small>(03 48)</small>		
03 48 49 00-0001 SF 3" Thick Precast Landing .....	103.14	
03 48 49 00-0002 SF 4" Thick Precast Landing .....	120.36	
03 48 49 00-0003 SF 5" Thick Precast Landing .....	136.61	
03 48 49 00-0004 SF 6" Thick Precast Landing .....	157.46	
<b>03 48 54</b> <b>Precast Concrete Blocks</b> <small>(03 48)</small>		
<b>03 48 54 00-0001</b> <b>Precast Interlocking Concrete Blocks</b> <small>(03 48 54)</small>		
Note: Includes lifting loop		
03 48 54 00-0002 EA 2' x 2' x 2' Precast Interlocking Concrete (Ecology) Block .....	163.15	41.55
03 48 54 00-0003 EA 2' x 2' x 3' Precast Interlocking Concrete (Ecology) Block .....	193.29	46.75
03 48 54 00-0004 EA 2' x 2' x 4' Precast Interlocking Concrete (Ecology) Block .....	223.42	51.94
03 48 54 00-0005 EA 2' x 2' x 6' Precast Interlocking Concrete (Ecology) Block .....	300.83	57.13
03 48 54 00-0006 EA 2' x 2' x 8' Precast Interlocking Concrete (Ecology) Block .....	362.66	62.34
<b>03 50</b> <b>Cast Decks and Underlayment</b> <small>(03)</small>		
<b>03 53</b> <b>Concrete Topping</b> <small>(03 50)</small>		
Note: Installed over new or existing concrete.		
<b>03 53 14</b> <b>Granolithic Concrete Topping</b> <small>(03 53)</small>		
<b>03 53 14 00-0001</b> <b>Granolithic Topping Laid After</b> <small>(03 53 14)</small>		
Note: Using 1:1:1-1/2 mix.		
03 53 14 00-0002 SF 1/2" Thick Concrete Topping, Granolithic Laid After Finish, 1:1:1-1/2 Mix .....	4.30	



<b>Concrete</b>	<b>03</b>	<b>03</b>
<b>Cast Decks and Underlayment</b>	<b>03 50</b>	
<b>Concrete Topping</b>	<b>03 53</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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03 53 14 00-0003	SF	1" Thick Concrete Topping, Granolithic Laid After Finish, 1:1:1-1/2 Mix.....	4.67
03 53 14 00-0004	SF	2" Thick Concrete Topping, Granolithic Laid After Finish, 1:1:1-1/2 Mix.....	5.95

**03 53 19 Concrete Overlayment** (03 53)

**03 53 19 00-0001 Integral Topping Including Hard Trowel Finish** (03 53 19)

Note: Using 1:1:2 mix.

03 53 19 00-0002	SF	3/16" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix.....	2.56
03 53 19 00-0003	SF	1/2" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix.....	2.90
03 53 19 00-0004	SF	3/4" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix.....	3.40
03 53 19 00-0005	SF	1" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix.....	4.05
03 53 19 00-0006	SF	2" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix.....	5.82
03 53 19 00-0007	SF	2-1/2" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix.....	5.06
03 53 19 00-0008	SF	3" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix.....	5.71

**03 54 Cast Underlayment** (03 50)

Note: Includes primer. Excludes sandblasting existing smooth finished concrete surface (where necessary).

**03 54 16 Hydraulic Cement Underlayment** (03 54)

**03 54 16 00-0001 Self Leveling Cementitious Underlayment For Floors** (03 54 16)

Note: Includes primer.

03 54 16 00-0002	SF	1/8" Thick Self Leveling Cementitious Underlayment For Floors.....	1.85
		Note: Including Surface Preparation	
		For Up To 100 SF, Add	0.14
		For >100 To 250 SF, Add	0.07
03 54 16 00-0003	SF	1/4" Thick Self Leveling Cementitious Underlayment For Floors.....	3.20
		Note: Including Surface Preparation	
		For Up To 100 SF, Add	0.14
		For >100 To 250 SF, Add	0.07
03 54 16 00-0004	SF	3/8" Thick Self Leveling Cementitious Underlayment For Floors.....	4.10
		Note: Including Surface Preparation	
		For Up To 100 SF, Add	0.14
		For >100 To 250 SF, Add	0.07
03 54 16 00-0005	SF	1/2" Thick Self Leveling Cementitious Underlayment For Floors.....	5.90
		Note: Including Surface Preparation	
		For Up To 100 SF, Add	0.14
		For >100 To 250 SF, Add	0.07
03 54 16 00-0006	SF	5/8" Thick Self Leveling Cementitious Underlayment For Floors.....	6.98
		Note: Including Surface Preparation	
		For Up To 100 SF, Add	0.14
		For >100 To 250 SF, Add	0.07
03 54 16 00-0007	SF	3/4" Thick Self Leveling Cementitious Underlayment For Floors.....	8.66
		Note: Including Surface Preparation	
		For Up To 100 SF, Add	0.17
		For >100 To 250 SF, Add	0.08
03 54 16 00-0008	SF	1" Thick Self Leveling Cementitious Underlayment For Floors.....	11.35
		Note: Including Surface Preparation	
		For Up To 100 SF, Add	0.17
		For >100 To 250 SF, Add	0.08
03 54 16 00-0009	SF	1-1/4" Thick Self Leveling Cementitious Underlayment For Floors.....	14.99
		Note: Including Surface Preparation	
		For Up To 100 SF, Add	0.19
		For >100 To 250 SF, Add	0.09
03 54 16 00-0010	SF	1-1/2" Thick Self Leveling Cementitious Underlayment For Floors.....	16.80
		Note: Including Surface Preparation	
		For Up To 100 SF, Add	0.19
		For >100 To 250 SF, Add	0.09
03 54 16 00-0011	SF	1-3/4" Thick Self Leveling Cementitious Underlayment For Floors.....	22.30
		Note: Including Surface Preparation	
		For Up To 100 SF, Add	0.23
		For >100 To 250 SF, Add	0.12

**03 60 Grouting** (03)

**03 61 Cementitious Grouting** (03 60)

Note: 1 part cement to 3 parts sand by volume.

**03 61 16 Cementitious Flowable Grout** (03 61)

**03 61 16 00-0001 Cementitious Flowable Grout** (03 61 16)

03 61 16 00-0002	CY	Cementitious Flowable Grout.....	483.91
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**03 62 Non-Shrink Grouting** (03 60)

**03 62 13 Non-Metallic Non-Shrink Grouting** (03 62)

**03 62 13 00-0001 Fluid Type, Non-Metallic Non-Shrink Grouting For Bases** (03 62 13)

03 62 13 00-0002	SF	1" Deep, Fluid Type, Non-Metallic Non-Shrink Grout For Bases.....	27.20
03 62 13 00-0003	SF	2" Deep, Fluid Type, Non-Metallic Non-Shrink Grout For Bases.....	40.74

<b>03</b>	<b>03 Concrete</b>
	<b>03 60 Grouting</b>
	<b>03 62 Non-Shrink Grouting</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>03 62 13 00-0004</b>	<b>Non-Metallic Non-Shrink Grouting For Bases</b> (03 62 13)	
03 62 13 00-0005	SF 1" Deep, Non-Metallic Non-Shrink Grout For Bases.....	41.88
03 62 13 00-0006	SF 2" Deep, Non-Metallic Non-Shrink Grout For Bases.....	67.73

<b>03 62 13 00-0007</b>	<b>Non-Metallic Non-Shrink Grouting For Joints</b> (03 62 13)	
<b>03 62 13 00-0008</b>	<b>1/2" Joint Thickness, Non-Metallic Non-Shrink Grout For Joints</b> (03 62 13 00-0007)	
03 62 13 00-0009	LF 4" Deep x 1/2" Thick, Non-Metallic Non-Shrink Grout For Joints.....	2.13
03 62 13 00-0010	LF 6" Deep x 1/2" Thick, Non-Metallic Non-Shrink Grout For Joints.....	2.80
03 62 13 00-0011	LF 8" Deep x 1/2" Thick, Non-Metallic Non-Shrink Grout For Joints.....	3.71

<b>03 62 13 00-0012</b>	<b>1" Joint Thickness, Non-Metallic Non-Shrink Grout For Joints</b> (03 62 13 00-0007)	
03 62 13 00-0013	LF 4" Deep x 1" Thick, Non-Metallic Non-Shrink Grout For Joints.....	3.18
03 62 13 00-0014	LF 6" Deep x 1" Thick, Non-Metallic Non-Shrink Grout For Joints.....	4.25
03 62 13 00-0015	LF 8" Deep x 1" Thick, Non-Metallic Non-Shrink Grout For Joints.....	5.65

**03 62 16 Metallic Non-Shrink Grouting** (03 62)

<b>03 62 16 00-0001</b>	<b>Metallic Non-Shrink Grouting For Bases</b> (03 62 16)	
03 62 16 00-0002	SF 1" Deep, Metallic Non-Shrink Grout For Bases.....	35.00
03 62 16 00-0003	SF 2" Deep, Metallic Non-Shrink Grout For Bases.....	54.40

<b>03 62 16 00-0004</b>	<b>Metallic Non-Shrink Grouting For Joints</b> (03 62 16)	
<b>03 62 16 00-0005</b>	<b>1/2" Joint Thickness, Metallic Non-Shrink Grout For Joints</b> (03 62 16 00-0004)	
03 62 16 00-0006	LF 4" Deep x 1/2" Thick, Metallic Non-Shrink Grout For Joints.....	1.70
03 62 16 00-0007	LF 6" Deep x 1/2" Thick, Metallic Non-Shrink Grout For Joints.....	2.15
03 62 16 00-0008	LF 8" Deep x 1/2" Thick, Metallic Non-Shrink Grout For Joints.....	2.87

<b>03 62 16 00-0009</b>	<b>1" Joint Thickness, Metallic Non-Shrink Grout For Joints</b> (03 62 16 00-0004)	
03 62 16 00-0010	LF 4" Deep x 1" Thick, Metallic Non-Shrink Grout For Joints.....	2.34
03 62 16 00-0011	LF 6" Deep x 1" Thick, Metallic Non-Shrink Grout For Joints.....	2.95
03 62 16 00-0012	LF 8" Deep x 1" Thick, Metallic Non-Shrink Grout For Joints.....	3.94

**03 63 Epoxy Grouting** (03 60)

<b>03 63 00 00-0001</b>	<b>Spray On Concrete Epoxy Grout</b> (03 63)	
	Note: (Sika 224) per thickness per coat.	
03 63 00 00-0002	SF 1/4" Thick Coat Spray On Concrete Epoxy Grout.....	4.08
	For Color, Add	1.09
03 63 00 00-0003	SF 3/8" Thick Coat Spray On Concrete Epoxy Grout.....	5.67
	For Color, Add	1.64
03 63 00 00-0004	SF 1/2" Thick Coat Spray On Concrete Epoxy Grout.....	7.27
	For Color, Add	2.19
03 63 00 00-0005	SF 5/8" Thick Coat Spray On Concrete Epoxy Grout.....	8.73
	For Color, Add	2.74
03 63 00 00-0006	SF 3/4" Thick Coat Spray On Concrete Epoxy Grout.....	10.21
	For Color, Add	3.29
03 63 00 00-0007	SF 1" Thick Coat Spray On Concrete Epoxy Grout.....	13.24
	For Color, Add	4.39

**03 64 Injection Grouting** (03 60)

Note: By volume of void filled. Includes injection ports.

**03 64 23 Epoxy Injection Grouting** (03 64)

<b>03 64 23 00-0001</b>	<b>Pressure Injected Epoxy Grout</b> (03 64 23)	
03 64 23 00-0002	CF Pressure Injected Epoxy Grout.....	1,325.35
	For >4, Deduct	-140.45

**03 64 26 Cementitious Injection Grouting** (03 64)

<b>03 64 26 00-0001</b>	<b>Pressure Injected Cementitious Grout</b> (03 64 26)	
03 64 26 00-0002	CF Pressure Injected Cementitious Grout.....	230.10
	For >4, Deduct	-60.25

**03 80 Concrete Cutting and Boring** (03)

**03 81 Concrete Cutting** (03 80)



<b>Concrete</b>	<b>03</b>	<b>03</b>
<b>Concrete Cutting and Boring</b>	<b>03 80</b>	
<b>Concrete Cutting</b>	<b>03 81</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>03 81 13 Flat Concrete Sawing</b> <small>(03 81)</small> See CSI section 02 41 19 13-0057 for saw cutting.		
<b>03 81 16 Track Mounted Concrete Wall Sawing</b> <small>(03 81)</small> See CSI section 02 41 19 13-0057 for saw cutting.		
<b>03 82 Concrete Boring</b> <small>(03 80)</small>		
<b>03 82 13 Concrete Core Drilling</b> <small>(03 82)</small> See CSI section 02 41 19 13-0080 for core drilling.		

**END OF SECTION 03**

03	<b>03 Concrete</b>
	03 80 Concrete Cutting and Boring
	03 82 Concrete Boring



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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## 05 Metals

### 05 05 Common Work Results for Metals <sup>(05)</sup>

#### 05 05 19 Post-Installed Concrete Anchors <sup>(05 05)</sup>

See CSI section 03 15 19 00-0000 for cast-in concrete anchors.

05 05 19 00-0001	Concrete And Masonry Anchors <sup>(05 05 19)</sup>		
05 05 19 00-0002	Expansion Anchors <sup>(05 05 19 00-0001)</sup>		
	Note: Includes drilling.		
05 05 19 00-0003	Wedge Expansion Bolt Anchors <sup>(05 05 19 00-0002)</sup>		
05 05 19 00-0004	Zinc Plated Steel, Wedge Anchor Expansion Bolt <sup>(05 05 19 00-0003)</sup>		
	Note: Includes nut and washer.		
05 05 19 00-0005	EA 1/4" Diameter x 1-3/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt .....		12.34
	For >10 To 50, Deduct	-0.57	
	For >50 To 100, Deduct	-1.17	
	For >100, Deduct	-2.33	
05 05 19 00-0006	EA 1/4" Diameter x 2-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt .....		12.48
	For >10 To 50, Deduct	-0.57	
	For >50 To 100, Deduct	-1.17	
	For >100, Deduct	-2.34	
05 05 19 00-0007	EA 1/4" Diameter x 3-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt .....		12.88
	For >10 To 50, Deduct	-0.59	
	For >50 To 100, Deduct	-1.20	
	For >100, Deduct	-2.41	
05 05 19 00-0008	EA 3/8" Diameter x 2-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt .....		15.18
	For >10 To 50, Deduct	-0.70	
	For >50 To 100, Deduct	-1.42	
	For >100, Deduct	-2.85	
05 05 19 00-0009	EA 3/8" Diameter x 2-3/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt .....		15.28
	For >10 To 50, Deduct	-0.70	
	For >50 To 100, Deduct	-1.43	
	For >100, Deduct	-2.85	
05 05 19 00-0010	EA 3/8" Diameter x 3" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt .....		15.32
	For >10 To 50, Deduct	-0.70	
	For >50 To 100, Deduct	-1.43	
	For >100, Deduct	-2.85	
05 05 19 00-0011	EA 3/8" Diameter x 5" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt .....		15.72
	For >10 To 50, Deduct	-0.70	
	For >50 To 100, Deduct	-1.44	
	For >100, Deduct	-2.87	
05 05 19 00-0012	EA 1/2" Diameter x 2-3/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt .....		22.08
	For >10 To 50, Deduct	-0.99	
	For >50 To 100, Deduct	-2.04	
	For >100, Deduct	-4.08	
05 05 19 00-0013	EA 1/2" Diameter x 3-3/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt .....		22.16
	For >10 To 50, Deduct	-0.99	
	For >50 To 100, Deduct	-2.04	
	For >100, Deduct	-4.08	
05 05 19 00-0014	EA 1/2" Diameter x 4-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt .....		22.32
	For >10 To 50, Deduct	-0.99	
	For >50 To 100, Deduct	-2.04	
	For >100, Deduct	-4.09	
05 05 19 00-0015	EA 1/2" Diameter x 5-1/2" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt .....		22.76
	For >10 To 50, Deduct	-0.99	
	For >50 To 100, Deduct	-2.05	
	For >100, Deduct	-4.11	
05 05 19 00-0016	EA 1/2" Diameter x 7" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt .....		23.39
	For >10 To 50, Deduct	-0.99	
	For >50 To 100, Deduct	-2.07	
	For >100, Deduct	-4.14	
05 05 19 00-0017	EA 5/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt .....		29.00
	For >10 To 50, Deduct	-1.22	
	For >50 To 100, Deduct	-2.56	
	For >100, Deduct	-5.12	
05 05 19 00-0018	EA 5/8" Diameter x 4-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt .....		29.14
	For >10 To 50, Deduct	-1.22	
	For >50 To 100, Deduct	-2.56	
	For >100, Deduct	-5.12	
05 05 19 00-0019	EA 5/8" Diameter x 5" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt .....		29.42
	For >10 To 50, Deduct	-1.22	
	For >50 To 100, Deduct	-2.57	
	For >100, Deduct	-5.14	
05 05 19 00-0020	EA 5/8" Diameter x 6" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt .....		29.97
	For >10 To 50, Deduct	-1.22	
	For >50 To 100, Deduct	-2.58	
	For >100, Deduct	-5.16	
05 05 19 00-0021	EA 5/8" Diameter x 7" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt .....		30.52
	For >10 To 50, Deduct	-1.22	
	For >50 To 100, Deduct	-2.60	
	For >100, Deduct	-5.19	

**05 Metals****05 05 Common Work Results for Metals****05 05 19 Post-Installed Concrete Anchors**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0022 EA 5/8" Diameter x 8-1/2" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt .....	34.87	
For>10 To 50, Deduct	-1.22	
For>50 To 100, Deduct	-2.70	
For>100, Deduct	-5.41	
05 05 19 00-0023 EA 5/8" Diameter x 10" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	38.60	
For>10 To 50, Deduct	-1.22	
For>50 To 100, Deduct	-2.80	
For>100, Deduct	-5.60	
05 05 19 00-0024 EA 3/4" Diameter x 4-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt .....	35.12	
For>10 To 50, Deduct	-1.45	
For>50 To 100, Deduct	-3.06	
For>100, Deduct	-6.12	
05 05 19 00-0025 EA 3/4" Diameter x 4-3/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt .....	35.24	
For>10 To 50, Deduct	-1.45	
For>50 To 100, Deduct	-3.06	
For>100, Deduct	-6.13	
05 05 19 00-0026 EA 3/4" Diameter x 5-1/2" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt .....	35.90	
For>10 To 50, Deduct	-1.45	
For>50 To 100, Deduct	-3.08	
For>100, Deduct	-6.16	
05 05 19 00-0027 EA 3/4" Diameter x 6-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt .....	36.70	
For>10 To 50, Deduct	-1.45	
For>50 To 100, Deduct	-3.10	
For>100, Deduct	-6.20	
05 05 19 00-0028 EA 3/4" Diameter x 7" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	37.62	
For>10 To 50, Deduct	-1.45	
For>50 To 100, Deduct	-3.12	
For>100, Deduct	-6.24	
05 05 19 00-0029 EA 3/4" Diameter x 8-1/2" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt .....	41.10	
For>10 To 50, Deduct	-1.45	
For>50 To 100, Deduct	-3.21	
For>100, Deduct	-6.42	
05 05 19 00-0030 EA 3/4" Diameter x 10" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	45.73	
For>10 To 50, Deduct	-1.45	
For>50 To 100, Deduct	-3.33	
For>100, Deduct	-6.65	
05 05 19 00-0031 EA 3/4" Diameter x 12" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	50.96	
For>10 To 50, Deduct	-1.45	
For>50 To 100, Deduct	-3.46	
For>100, Deduct	-6.91	
05 05 19 00-0032 EA 7/8" Diameter x 6" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	48.80	
For>10 To 50, Deduct	-1.58	
For>50 To 100, Deduct	-3.59	
For>100, Deduct	-7.17	
05 05 19 00-0033 EA 7/8" Diameter x 8" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	51.55	
For>10 To 50, Deduct	-1.58	
For>50 To 100, Deduct	-3.66	
For>100, Deduct	-7.31	
05 05 19 00-0034 EA 7/8" Diameter x 10" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	55.19	
For>10 To 50, Deduct	-1.58	
For>50 To 100, Deduct	-3.75	
For>100, Deduct	-7.49	
05 05 19 00-0035 EA 1" Diameter x 6" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	60.02	
For>10 To 50, Deduct	-2.04	
For>50 To 100, Deduct	-4.56	
For>100, Deduct	-9.13	
05 05 19 00-0036 EA 1" Diameter x 9" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	65.20	
For>10 To 50, Deduct	-2.04	
For>50 To 100, Deduct	-4.69	
For>100, Deduct	-9.39	
05 05 19 00-0037 EA 1" Diameter x 12" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt.....	70.33	
For>10 To 50, Deduct	-2.04	
For>50 To 100, Deduct	-4.82	
For>100, Deduct	-9.64	
05 05 19 00-0038 EA 1-1/4" Diameter x 9" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt .....	78.39	
For>10 To 50, Deduct	-2.61	
For>50 To 100, Deduct	-5.88	
For>100, Deduct	-11.76	
05 05 19 00-0039 EA 1-1/4" Diameter x 12" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt .....	82.09	
For>10 To 50, Deduct	-2.61	
For>50 To 100, Deduct	-5.97	
For>100, Deduct	-11.95	
<b>05 05 19 00-0040 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt (05 05 19 00-0003)</b>		
Note: Includes nut and washer.		
05 05 19 00-0041 EA 1/4" Diameter x 1-3/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	14.01	
For>10 To 50, Deduct	-0.57	
For>50 To 100, Deduct	-1.21	
For>100, Deduct	-2.42	
05 05 19 00-0042 EA 1/4" Diameter x 2-1/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	14.60	
For>10 To 50, Deduct	-0.57	
For>50 To 100, Deduct	-1.22	
For>100, Deduct	-2.45	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0043 EA 1/4" Diameter x 3-1/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	15.28	
<i>For &gt;10 To 50, Deduct</i>	-0.59	
<i>For &gt;50 To 100, Deduct</i>	-1.26	
<i>For &gt;100, Deduct</i>	-2.53	
05 05 19 00-0044 EA 3/8" Diameter x 2-1/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	18.23	
<i>For &gt;10 To 50, Deduct</i>	-0.70	
<i>For &gt;50 To 100, Deduct</i>	-1.50	
<i>For &gt;100, Deduct</i>	-3.00	
05 05 19 00-0045 EA 3/8" Diameter x 2-3/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	18.74	
<i>For &gt;10 To 50, Deduct</i>	-0.70	
<i>For &gt;50 To 100, Deduct</i>	-1.51	
<i>For &gt;100, Deduct</i>	-3.03	
05 05 19 00-0046 EA 3/8" Diameter x 3" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	19.10	
<i>For &gt;10 To 50, Deduct</i>	-0.70	
<i>For &gt;50 To 100, Deduct</i>	-1.52	
<i>For &gt;100, Deduct</i>	-3.04	
05 05 19 00-0047 EA 3/8" Diameter x 5" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	21.89	
<i>For &gt;10 To 50, Deduct</i>	-0.70	
<i>For &gt;50 To 100, Deduct</i>	-1.59	
<i>For &gt;100, Deduct</i>	-3.18	
05 05 19 00-0048 EA 1/2" Diameter x 2-3/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	28.82	
<i>For &gt;10 To 50, Deduct</i>	-0.99	
<i>For &gt;50 To 100, Deduct</i>	-2.21	
<i>For &gt;100, Deduct</i>	-4.41	
05 05 19 00-0049 EA 1/2" Diameter x 3-3/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	29.79	
<i>For &gt;10 To 50, Deduct</i>	-0.99	
<i>For &gt;50 To 100, Deduct</i>	-2.23	
<i>For &gt;100, Deduct</i>	-4.46	
05 05 19 00-0050 EA 1/2" Diameter x 4-1/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	30.34	
<i>For &gt;10 To 50, Deduct</i>	-0.99	
<i>For &gt;50 To 100, Deduct</i>	-2.24	
<i>For &gt;100, Deduct</i>	-4.49	
05 05 19 00-0051 EA 1/2" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	32.87	
<i>For &gt;10 To 50, Deduct</i>	-0.99	
<i>For &gt;50 To 100, Deduct</i>	-2.31	
<i>For &gt;100, Deduct</i>	-4.61	
05 05 19 00-0052 EA 1/2" Diameter x 7" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	36.69	
<i>For &gt;10 To 50, Deduct</i>	-0.99	
<i>For &gt;50 To 100, Deduct</i>	-2.40	
<i>For &gt;100, Deduct</i>	-4.81	
05 05 19 00-0053 EA 5/8" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	42.71	
<i>For &gt;10 To 50, Deduct</i>	-1.22	
<i>For &gt;50 To 100, Deduct</i>	-2.90	
<i>For &gt;100, Deduct</i>	-5.80	
05 05 19 00-0054 EA 5/8" Diameter x 5" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	45.19	
<i>For &gt;10 To 50, Deduct</i>	-1.22	
<i>For &gt;50 To 100, Deduct</i>	-2.96	
<i>For &gt;100, Deduct</i>	-5.93	
05 05 19 00-0055 EA 5/8" Diameter x 6" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	47.87	
<i>For &gt;10 To 50, Deduct</i>	-1.22	
<i>For &gt;50 To 100, Deduct</i>	-3.03	
<i>For &gt;100, Deduct</i>	-6.06	
05 05 19 00-0056 EA 5/8" Diameter x 7" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	51.44	
<i>For &gt;10 To 50, Deduct</i>	-1.22	
<i>For &gt;50 To 100, Deduct</i>	-3.12	
<i>For &gt;100, Deduct</i>	-6.24	
05 05 19 00-0057 EA 5/8" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	67.09	
<i>For &gt;10 To 50, Deduct</i>	-1.22	
<i>For &gt;50 To 100, Deduct</i>	-3.51	
<i>For &gt;100, Deduct</i>	-7.02	
05 05 19 00-0058 EA 3/4" Diameter x 4-1/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	51.03	
<i>For &gt;10 To 50, Deduct</i>	-1.45	
<i>For &gt;50 To 100, Deduct</i>	-3.46	
<i>For &gt;100, Deduct</i>	-6.92	
05 05 19 00-0059 EA 3/4" Diameter x 4-3/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	56.07	
<i>For &gt;10 To 50, Deduct</i>	-1.45	
<i>For &gt;50 To 100, Deduct</i>	-3.58	
<i>For &gt;100, Deduct</i>	-7.17	
05 05 19 00-0060 EA 3/4" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	60.37	
<i>For &gt;10 To 50, Deduct</i>	-1.45	
<i>For &gt;50 To 100, Deduct</i>	-3.69	
<i>For &gt;100, Deduct</i>	-7.38	
05 05 19 00-0061 EA 3/4" Diameter x 6-1/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	60.90	
<i>For &gt;10 To 50, Deduct</i>	-1.45	
<i>For &gt;50 To 100, Deduct</i>	-3.70	
<i>For &gt;100, Deduct</i>	-7.41	
05 05 19 00-0062 EA 3/4" Diameter x 7" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	64.94	
<i>For &gt;10 To 50, Deduct</i>	-1.45	
<i>For &gt;50 To 100, Deduct</i>	-3.81	
<i>For &gt;100, Deduct</i>	-7.61	
05 05 19 00-0063 EA 3/4" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	75.42	
<i>For &gt;10 To 50, Deduct</i>	-1.45	
<i>For &gt;50 To 100, Deduct</i>	-4.07	
<i>For &gt;100, Deduct</i>	-8.13	

**05 Metals****05 05 Common Work Results for Metals****05 05 19 Post-Installed Concrete Anchors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0064	EA		3/4" Diameter x 10" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	90.21	
			<i>For &gt;10 To 50, Deduct</i>	-1.45	
			<i>For &gt;50 To 100, Deduct</i>	-4.44	
			<i>For &gt;100, Deduct</i>	-8.87	
05 05 19 00-0065	EA		7/8" Diameter x 8" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	89.94	
			<i>For &gt;10 To 50, Deduct</i>	-1.58	
			<i>For &gt;50 To 100, Deduct</i>	-4.62	
			<i>For &gt;100, Deduct</i>	-9.23	
05 05 19 00-0066	EA		1" Diameter x 6" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	132.41	
			<i>For &gt;10 To 50, Deduct</i>	-2.04	
			<i>For &gt;50 To 100, Deduct</i>	-6.37	
			<i>For &gt;100, Deduct</i>	-12.75	
05 05 19 00-0067	EA		1" Diameter x 9" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	154.29	
			<i>For &gt;10 To 50, Deduct</i>	-2.04	
			<i>For &gt;50 To 100, Deduct</i>	-6.92	
			<i>For &gt;100, Deduct</i>	-13.84	
<b>05 05 19 00-0068</b>			<b>316 Stainless Steel, Wedge Anchor Expansion Bolt</b> <small>(05 05 19 00-0003)</small>		
			Note: Includes nut and washer.		
05 05 19 00-0069	EA		1/4" Diameter x 2-1/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	14.52	
			<i>For &gt;10 To 50, Deduct</i>	-0.57	
			<i>For &gt;50 To 100, Deduct</i>	-1.22	
			<i>For &gt;100, Deduct</i>	-2.44	
05 05 19 00-0070	EA		1/4" Diameter x 3-1/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	15.51	
			<i>For &gt;10 To 50, Deduct</i>	-0.59	
			<i>For &gt;50 To 100, Deduct</i>	-1.27	
			<i>For &gt;100, Deduct</i>	-2.54	
05 05 19 00-0071	EA		3/8" Diameter x 2-1/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	19.89	
			<i>For &gt;10 To 50, Deduct</i>	-0.70	
			<i>For &gt;50 To 100, Deduct</i>	-1.54	
			<i>For &gt;100, Deduct</i>	-3.08	
05 05 19 00-0072	EA		3/8" Diameter x 2-3/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	20.77	
			<i>For &gt;10 To 50, Deduct</i>	-0.70	
			<i>For &gt;50 To 100, Deduct</i>	-1.56	
			<i>For &gt;100, Deduct</i>	-3.13	
05 05 19 00-0073	EA		3/8" Diameter x 3" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	20.99	
			<i>For &gt;10 To 50, Deduct</i>	-0.70	
			<i>For &gt;50 To 100, Deduct</i>	-1.57	
			<i>For &gt;100, Deduct</i>	-3.14	
05 05 19 00-0074	EA		3/8" Diameter x 5" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	25.19	
			<i>For &gt;10 To 50, Deduct</i>	-0.70	
			<i>For &gt;50 To 100, Deduct</i>	-1.67	
			<i>For &gt;100, Deduct</i>	-3.35	
05 05 19 00-0075	EA		1/2" Diameter x 2-3/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	32.84	
			<i>For &gt;10 To 50, Deduct</i>	-0.99	
			<i>For &gt;50 To 100, Deduct</i>	-2.31	
			<i>For &gt;100, Deduct</i>	-4.61	
05 05 19 00-0076	EA		1/2" Diameter x 3-3/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	35.27	
			<i>For &gt;10 To 50, Deduct</i>	-0.99	
			<i>For &gt;50 To 100, Deduct</i>	-2.37	
			<i>For &gt;100, Deduct</i>	-4.74	
05 05 19 00-0077	EA		1/2" Diameter x 4-1/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	39.70	
			<i>For &gt;10 To 50, Deduct</i>	-0.99	
			<i>For &gt;50 To 100, Deduct</i>	-2.48	
			<i>For &gt;100, Deduct</i>	-4.96	
05 05 19 00-0078	EA		1/2" Diameter x 5-1/2" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	40.80	
			<i>For &gt;10 To 50, Deduct</i>	-0.99	
			<i>For &gt;50 To 100, Deduct</i>	-2.51	
			<i>For &gt;100, Deduct</i>	-5.01	
05 05 19 00-0079	EA		5/8" Diameter x 5" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	56.27	
			<i>For &gt;10 To 50, Deduct</i>	-1.22	
			<i>For &gt;50 To 100, Deduct</i>	-3.24	
			<i>For &gt;100, Deduct</i>	-6.48	
05 05 19 00-0080	EA		5/8" Diameter x 7" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	57.60	
			<i>For &gt;10 To 50, Deduct</i>	-1.22	
			<i>For &gt;50 To 100, Deduct</i>	-3.27	
			<i>For &gt;100, Deduct</i>	-6.55	
05 05 19 00-0081	EA		3/4" Diameter x 4-3/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	70.00	
			<i>For &gt;10 To 50, Deduct</i>	-1.45	
			<i>For &gt;50 To 100, Deduct</i>	-3.93	
			<i>For &gt;100, Deduct</i>	-7.86	
05 05 19 00-0082	EA		3/4" Diameter x 5-1/2" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	75.53	
			<i>For &gt;10 To 50, Deduct</i>	-1.45	
			<i>For &gt;50 To 100, Deduct</i>	-4.07	
			<i>For &gt;100, Deduct</i>	-8.14	
<b>05 05 19 00-0083</b>			<b>Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt</b> <small>(05 05 19 00-0003)</small>		
			Note: Includes nut and washer.		
05 05 19 00-0084	EA		1/2" Diameter x 2-3/4" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	25.60	
			<i>For &gt;10 To 50, Deduct</i>	-0.99	
			<i>For &gt;50 To 100, Deduct</i>	-2.13	
			<i>For &gt;100, Deduct</i>	-4.25	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0085 EA 1/2" Diameter x 4-1/4" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt .....	27.12	
For >10 To 50, Deduct	-0.99	
For >50 To 100, Deduct	-2.16	
For >100, Deduct	-4.33	
05 05 19 00-0086 EA 1/2" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt .....	28.64	
For >10 To 50, Deduct	-0.99	
For >50 To 100, Deduct	-2.20	
For >100, Deduct	-4.40	
05 05 19 00-0087 EA 1/2" Diameter x 7" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	29.41	
For >10 To 50, Deduct	-0.99	
For >50 To 100, Deduct	-2.22	
For >100, Deduct	-4.44	
05 05 19 00-0088 EA 5/8" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt .....	35.41	
For >10 To 50, Deduct	-1.22	
For >50 To 100, Deduct	-2.72	
For >100, Deduct	-5.44	
05 05 19 00-0089 EA 5/8" Diameter x 6" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	33.58	
For >10 To 50, Deduct	-1.22	
For >50 To 100, Deduct	-2.67	
For >100, Deduct	-5.35	
05 05 19 00-0090 EA 3/4" Diameter x 4-3/4" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt .....	46.17	
For >10 To 50, Deduct	-1.45	
For >50 To 100, Deduct	-3.34	
For >100, Deduct	-6.67	
05 05 19 00-0091 EA 3/4" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt .....	47.85	
For >10 To 50, Deduct	-1.45	
For >50 To 100, Deduct	-3.38	
For >100, Deduct	-6.76	
05 05 19 00-0092 EA 3/4" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt .....	56.09	
For >10 To 50, Deduct	-1.45	
For >50 To 100, Deduct	-3.58	
For >100, Deduct	-7.17	
05 05 19 00-0093 EA 1" Diameter x 6" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	58.42	
For >10 To 50, Deduct	-2.04	
For >50 To 100, Deduct	-4.52	
For >100, Deduct	-9.05	
05 05 19 00-0094 EA 1" Diameter x 9" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	63.17	
For >10 To 50, Deduct	-2.04	
For >50 To 100, Deduct	-4.64	
For >100, Deduct	-9.29	
05 05 19 00-0095 EA 1" Diameter x 12" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	67.87	
For >10 To 50, Deduct	-2.04	
For >50 To 100, Deduct	-4.76	
For >100, Deduct	-9.52	
 05 05 19 00-0096 Concrete Sleeve Anchors <small>(05 05 19 00-0002)</small>		
05 05 19 00-0097 Zinc Plated Steel, Concrete Sleeve Anchors <small>(05 05 19 00-0096)</small>		
Note: Includes nut and washer.		
05 05 19 00-0098 EA 1/4" Diameter x 5/8" Length, Zinc Plated Steel, Concrete Sleeve Anchor .....	12.36	
For >10 To 50, Deduct	-0.59	
For >50 To 100, Deduct	-1.19	
For >100, Deduct	-2.37	
05 05 19 00-0099 EA 1/4" Diameter x 1-3/8" Length, Zinc Plated Steel, Concrete Sleeve Anchor .....	12.56	
For >10 To 50, Deduct	-0.59	
For >50 To 100, Deduct	-1.19	
For >100, Deduct	-2.38	
05 05 19 00-0100 EA 1/4" Diameter x 2-1/4" Length, Zinc Plated Steel, Concrete Sleeve Anchor .....	12.80	
For >10 To 50, Deduct	-0.59	
For >50 To 100, Deduct	-1.20	
For >100, Deduct	-2.40	
05 05 19 00-0101 EA 5/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Concrete Sleeve Anchor .....	13.03	
For >10 To 50, Deduct	-0.61	
For >50 To 100, Deduct	-1.25	
For >100, Deduct	-2.50	
05 05 19 00-0102 EA 5/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Concrete Sleeve Anchor .....	13.21	
For >10 To 50, Deduct	-0.61	
For >50 To 100, Deduct	-1.25	
For >100, Deduct	-2.50	
05 05 19 00-0103 EA 3/8" Diameter x 1-7/8" Length, Zinc Plated Steel, Concrete Sleeve Anchor .....	14.76	
For >10 To 50, Deduct	-0.70	
For >50 To 100, Deduct	-1.41	
For >100, Deduct	-2.82	
05 05 19 00-0104 EA 3/8" Diameter x 3" Length, Zinc Plated Steel, Concrete Sleeve Anchor .....	15.09	
For >10 To 50, Deduct	-0.70	
For >50 To 100, Deduct	-1.42	
For >100, Deduct	-2.84	
05 05 19 00-0105 EA 3/8" Diameter x 4" Length, Zinc Plated Steel, Concrete Sleeve Anchor .....	15.41	
For >10 To 50, Deduct	-0.70	
For >50 To 100, Deduct	-1.43	
For >100, Deduct	-2.86	
05 05 19 00-0106 EA 1/2" Diameter x 2-1/4" Length, Zinc Plated Steel, Concrete Sleeve Anchor .....	21.33	
For >10 To 50, Deduct	-0.99	
For >50 To 100, Deduct	-2.02	
For >100, Deduct	-4.03	

**05 Metals****05 05 Common Work Results for Metals****05 05 19 Post-Installed Concrete Anchors**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0107 EA 1/2" Diameter x 3" Length, Zinc Plated Steel, Concrete Sleeve Anchor .....	21.75	
For >10 To 50, Deduct	-0.99	
For >50 To 100, Deduct	-2.03	
For >100, Deduct	-4.05	
05 05 19 00-0108 EA 1/2" Diameter x 4" Length, Zinc Plated Steel, Concrete Sleeve Anchor .....	22.11	
For >10 To 50, Deduct	-0.99	
For >50 To 100, Deduct	-2.04	
For >100, Deduct	-4.07	
05 05 19 00-0109 EA 1/2" Diameter x 6" Length, Zinc Plated Steel, Concrete Sleeve Anchor .....	22.54	
For >10 To 50, Deduct	-0.99	
For >50 To 100, Deduct	-2.05	
For >100, Deduct	-4.09	
05 05 19 00-0110 EA 5/8" Diameter x 2-1/4" Length, Zinc Plated Steel, Concrete Sleeve Anchor .....	26.84	
For >10 To 50, Deduct	-1.22	
For >50 To 100, Deduct	-2.50	
For >100, Deduct	-5.01	
05 05 19 00-0111 EA 5/8" Diameter x 3" Length, Zinc Plated Steel, Concrete Sleeve Anchor .....	27.47	
For >10 To 50, Deduct	-1.22	
For >50 To 100, Deduct	-2.52	
For >100, Deduct	-5.04	
05 05 19 00-0112 EA 5/8" Diameter x 4-1/4" Length, Zinc Plated Steel, Concrete Sleeve Anchor .....	27.95	
For >10 To 50, Deduct	-1.22	
For >50 To 100, Deduct	-2.53	
For >100, Deduct	-5.06	
05 05 19 00-0113 EA 5/8" Diameter x 6" Length, Zinc Plated Steel, Concrete Sleeve Anchor .....	29.32	
For >10 To 50, Deduct	-1.22	
For >50 To 100, Deduct	-2.57	
For >100, Deduct	-5.13	
05 05 19 00-0114 EA 3/4" Diameter x 2-1/2" Length, Zinc Plated Steel, Concrete Sleeve Anchor .....	33.08	
For >10 To 50, Deduct	-1.45	
For >50 To 100, Deduct	-3.01	
For >100, Deduct	-6.02	
05 05 19 00-0115 EA 3/4" Diameter x 4-1/4" Length, Zinc Plated Steel, Concrete Sleeve Anchor .....	34.26	
For >10 To 50, Deduct	-1.45	
For >50 To 100, Deduct	-3.04	
For >100, Deduct	-6.08	
05 05 19 00-0116 EA 3/4" Diameter x 5-1/2" Length, Zinc Plated Steel, Concrete Sleeve Anchor .....	35.33	
For >10 To 50, Deduct	-1.45	
For >50 To 100, Deduct	-3.06	
For >100, Deduct	-6.13	
05 05 19 00-0117 EA 3/4" Diameter x 6-1/4" Length, Zinc Plated Steel, Concrete Sleeve Anchor .....	37.02	
For >10 To 50, Deduct	-1.45	
For >50 To 100, Deduct	-3.11	
For >100, Deduct	-6.21	
<b>05 05 19 00-0118 304/18-8 Stainless Steel, Concrete Sleeve Anchors (05 05 19 00-0096)</b>		
Note: Includes nut and washer.		
05 05 19 00-0119 EA 1/4" Diameter x 1-3/8" Length, 304/18-8 Stainless Steel, Concrete Sleeve Anchor .....	14.88	
For >10 To 50, Deduct	-0.59	
For >50 To 100, Deduct	-1.25	
For >100, Deduct	-2.50	
05 05 19 00-0120 EA 3/8" Diameter x 1-7/8" Length, 304/18-8 Stainless Steel, Concrete Sleeve Anchor .....	19.85	
For >10 To 50, Deduct	-0.70	
For >50 To 100, Deduct	-1.54	
For >100, Deduct	-3.08	
05 05 19 00-0121 EA 3/8" Diameter x 3" Length, 304/18-8 Stainless Steel, Concrete Sleeve Anchor .....	22.21	
For >10 To 50, Deduct	-0.70	
For >50 To 100, Deduct	-1.60	
For >100, Deduct	-3.20	
05 05 19 00-0122 EA 1/2" Diameter x 2-1/4" Length, 304/18-8 Stainless Steel, Concrete Sleeve Anchor .....	29.86	
For >10 To 50, Deduct	-0.99	
For >50 To 100, Deduct	-2.23	
For >100, Deduct	-4.46	
05 05 19 00-0123 EA 1/2" Diameter x 4" Length, 304/18-8 Stainless Steel, Concrete Sleeve Anchor .....	34.10	
For >10 To 50, Deduct	-0.99	
For >50 To 100, Deduct	-2.34	
For >100, Deduct	-4.67	
05 05 19 00-0124 EA 5/8" Diameter x 4-1/4" Length, 304/18-8 Stainless Steel, Concrete Sleeve Anchor .....	47.48	
For >10 To 50, Deduct	-1.22	
For >50 To 100, Deduct	-3.02	
For >100, Deduct	-6.04	
<b>05 05 19 00-0125 Concrete Strike Anchors (05 05 19 00-0002)</b>		
Note: Includes nut and washer.		
05 05 19 00-0126 EA 1/4" Diameter x 1-3/4" Length, Zinc Plated Steel, Concrete Strike Anchor .....	13.32	
For >10 To 50, Deduct	-0.59	
For >50 To 100, Deduct	-1.21	
For >100, Deduct	-2.42	
05 05 19 00-0127 EA 1/4" Diameter x 2-3/8" Length, Zinc Plated Steel, Concrete Strike Anchor .....	13.66	
For >10 To 50, Deduct	-0.59	
For >50 To 100, Deduct	-1.22	
For >100, Deduct	-2.44	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0128 EA 5/16" Diameter x 2-3/4" Length, Zinc Plated Steel, Concrete Strike Anchor.....	14.22	
<i>For &gt;10 To 50, Deduct</i>	-0.61	
<i>For &gt;50 To 100, Deduct</i>	-1.28	
<i>For &gt;100, Deduct</i>	-2.55	
05 05 19 00-0129 EA 5/16" Diameter x 4" Length, Zinc Plated Steel, Concrete Strike Anchor.....	15.60	
<i>For &gt;10 To 50, Deduct</i>	-0.61	
<i>For &gt;50 To 100, Deduct</i>	-1.31	
<i>For &gt;100, Deduct</i>	-2.62	
05 05 19 00-0130 EA 3/8" Diameter x 2-3/8" Length, Zinc Plated Steel, Concrete Strike Anchor.....	16.26	
<i>For &gt;10 To 50, Deduct</i>	-0.70	
<i>For &gt;50 To 100, Deduct</i>	-1.45	
<i>For &gt;100, Deduct</i>	-2.90	
05 05 19 00-0131 EA 3/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Concrete Strike Anchor.....	17.29	
<i>For &gt;10 To 50, Deduct</i>	-0.70	
<i>For &gt;50 To 100, Deduct</i>	-1.48	
<i>For &gt;100, Deduct</i>	-2.95	
05 05 19 00-0132 EA 3/8" Diameter x 5" Length, Zinc Plated Steel, Concrete Strike Anchor.....	18.09	
<i>For &gt;10 To 50, Deduct</i>	-0.70	
<i>For &gt;50 To 100, Deduct</i>	-1.50	
<i>For &gt;100, Deduct</i>	-2.99	
05 05 19 00-0133 EA 1/2" Diameter x 2-3/4" Length, Zinc Plated Steel, Concrete Strike Anchor.....	23.89	
<i>For &gt;10 To 50, Deduct</i>	-0.99	
<i>For &gt;50 To 100, Deduct</i>	-2.08	
<i>For &gt;100, Deduct</i>	-4.16	
05 05 19 00-0134 EA 1/2" Diameter x 3-1/2" Length, Zinc Plated Steel, Concrete Strike Anchor.....	24.51	
<i>For &gt;10 To 50, Deduct</i>	-0.99	
<i>For &gt;50 To 100, Deduct</i>	-2.10	
<i>For &gt;100, Deduct</i>	-4.19	
05 05 19 00-0135 EA 1/2" Diameter x 4-3/4" Length, Zinc Plated Steel, Concrete Strike Anchor.....	26.33	
<i>For &gt;10 To 50, Deduct</i>	-0.99	
<i>For &gt;50 To 100, Deduct</i>	-2.14	
<i>For &gt;100, Deduct</i>	-4.28	
05 05 19 00-0136 EA 1/2" Diameter x 6" Length, Zinc Plated Steel, Concrete Strike Anchor.....	28.67	
<i>For &gt;10 To 50, Deduct</i>	-0.99	
<i>For &gt;50 To 100, Deduct</i>	-2.20	
<i>For &gt;100, Deduct</i>	-4.40	
05 05 19 00-0137 EA 5/8" Diameter x 4" Length, Zinc Plated Steel, Concrete Strike Anchor.....	32.28	
<i>For &gt;10 To 50, Deduct</i>	-1.22	
<i>For &gt;50 To 100, Deduct</i>	-2.64	
<i>For &gt;100, Deduct</i>	-5.28	
05 05 19 00-0138 EA 5/8" Diameter x 4-3/4" Length, Zinc Plated Steel, Concrete Strike Anchor.....	34.45	
<i>For &gt;10 To 50, Deduct</i>	-1.22	
<i>For &gt;50 To 100, Deduct</i>	-2.69	
<i>For &gt;100, Deduct</i>	-5.39	
05 05 19 00-0139 EA 5/8" Diameter x 6" Length, Zinc Plated Steel, Concrete Strike Anchor.....	36.37	
<i>For &gt;10 To 50, Deduct</i>	-1.22	
<i>For &gt;50 To 100, Deduct</i>	-2.74	
<i>For &gt;100, Deduct</i>	-5.48	
05 05 19 00-0140 EA 3/4" Diameter x 5" Length, Zinc Plated Steel, Concrete Strike Anchor.....	42.12	
<i>For &gt;10 To 50, Deduct</i>	-1.45	
<i>For &gt;50 To 100, Deduct</i>	-3.23	
<i>For &gt;100, Deduct</i>	-6.47	
05 05 19 00-0141 EA 3/4" Diameter x 6" Length, Zinc Plated Steel, Concrete Strike Anchor.....	44.15	
<i>For &gt;10 To 50, Deduct</i>	-1.45	
<i>For &gt;50 To 100, Deduct</i>	-3.28	
<i>For &gt;100, Deduct</i>	-6.57	
05 05 19 00-0142 Multi-Set Drop-In Anchors <small>(05 05 19 00-0002)</small>		
05 05 19 00-0143 Zinc Plated Steel, Multi-Set Drop-In Anchors <small>(05 05 19 00-0142)</small>		
Note: Excludes bolt, nut and washer.		
05 05 19 00-0144 EA 1/4" Bolt Diameter, Zinc Plated Steel, Multi-Set Drop-In Anchor.....	17.15	
<i>For &gt;10 To 50, Deduct</i>	-0.81	
<i>For &gt;50 To 100, Deduct</i>	-1.65	
<i>For &gt;100, Deduct</i>	-3.30	
05 05 19 00-0145 EA 3/8" Bolt Diameter, Zinc Plated Steel, Multi-Set Drop-In Anchor.....	20.99	
<i>For &gt;10 To 50, Deduct</i>	-0.99	
<i>For &gt;50 To 100, Deduct</i>	-2.01	
<i>For &gt;100, Deduct</i>	-4.03	
05 05 19 00-0146 EA 1/2" Bolt Diameter, Zinc Plated Steel, Multi-Set Drop-In Anchor.....	25.83	
<i>For &gt;10 To 50, Deduct</i>	-1.17	
<i>For &gt;50 To 100, Deduct</i>	-2.40	
<i>For &gt;100, Deduct</i>	-4.80	
05 05 19 00-0147 EA 5/8" Bolt Diameter, Zinc Plated Steel, Multi-Set Drop-In Anchor.....	29.53	
<i>For &gt;10 To 50, Deduct</i>	-1.29	
<i>For &gt;50 To 100, Deduct</i>	-2.67	
<i>For &gt;100, Deduct</i>	-5.33	
05 05 19 00-0148 EA 3/4" Bolt Diameter, Zinc Plated Steel, Multi-Set Drop-In Anchor.....	35.81	
<i>For &gt;10 To 50, Deduct</i>	-1.46	
<i>For &gt;50 To 100, Deduct</i>	-3.09	
<i>For &gt;100, Deduct</i>	-6.18	
05 05 19 00-0149 304/18-8 Stainless Steel, Multi-Set Drop-In Anchors <small>(05 05 19 00-0142)</small>		
Note: Excludes bolt, nut and washer.		

**05 Metals****05 05 Common Work Results for Metals****05 05 19 Post-Installed Concrete Anchors**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0150 EA 1/4" Bolt Diameter, 304/18-8 Stainless Steel, Multi-Set Drop-In Anchor.....	22.25	
For >10 To 50, Deduct	-0.81	
For >50 To 100, Deduct	-1.78	
For >100, Deduct	-3.56	
05 05 19 00-0151 EA 3/8" Bolt Diameter, 304/18-8 Stainless Steel, Multi-Set Drop-In Anchor.....	30.53	
For >10 To 50, Deduct	-0.99	
For >50 To 100, Deduct	-2.25	
For >100, Deduct	-4.51	
05 05 19 00-0152 EA 1/2" Bolt Diameter, 304/18-8 Stainless Steel, Multi-Set Drop-In Anchor.....	38.57	
For >10 To 50, Deduct	-1.17	
For >50 To 100, Deduct	-2.72	
For >100, Deduct	-5.44	
05 05 19 00-0153 EA 5/8" Bolt Diameter, 304/18-8 Stainless Steel, Multi-Set Drop-In Anchor.....	50.03	
For >10 To 50, Deduct	-1.29	
For >50 To 100, Deduct	-3.18	
For >100, Deduct	-6.36	
05 05 19 00-0154 EA 3/4" Bolt Diameter, 304/18-8 Stainless Steel, Multi-Set Drop-In Anchor.....	71.05	
For >10 To 50, Deduct	-1.46	
For >50 To 100, Deduct	-3.97	
For >100, Deduct	-7.94	
<b>05 05 19 00-0155 Single Bolt Expansion Anchors (05 05 19 00-0002)</b>		
Note: Excludes bolt, nut and washer.		
05 05 19 00-0156 EA 1/4" Bolt Diameter, Zinc Plated Steel, Single Bolt Expansion Anchor.....	12.65	
For >10 To 50, Deduct	-0.59	
For >50 To 100, Deduct	-1.19	
For >100, Deduct	-2.39	
05 05 19 00-0157 EA 5/16" Bolt Diameter, Zinc Plated Steel, Single Bolt Expansion Anchor.....	13.57	
For >10 To 50, Deduct	-0.61	
For >50 To 100, Deduct	-1.26	
For >100, Deduct	-2.52	
05 05 19 00-0158 EA 3/8" Bolt Diameter, Zinc Plated Steel, Single Bolt Expansion Anchor.....	15.34	
For >10 To 50, Deduct	-0.70	
For >50 To 100, Deduct	-1.43	
For >100, Deduct	-2.85	
05 05 19 00-0159 EA 1/2" Bolt Diameter, Zinc Plated Steel, Single Bolt Expansion Anchor.....	22.54	
For >10 To 50, Deduct	-0.99	
For >50 To 100, Deduct	-2.05	
For >100, Deduct	-4.09	
05 05 19 00-0160 EA 5/8" Bolt Diameter, Zinc Plated Steel, Single Bolt Expansion Anchor.....	32.02	
For >10 To 50, Deduct	-1.22	
For >50 To 100, Deduct	-2.63	
For >100, Deduct	-5.27	
05 05 19 00-0161 EA 3/4" Bolt Diameter, Zinc Plated Steel, Single Bolt Expansion Anchor.....	38.72	
For >10 To 50, Deduct	-1.45	
For >50 To 100, Deduct	-3.15	
For >100, Deduct	-6.30	
<b>05 05 19 00-0162 Concrete Lag Shield Anchors (05 05 19 00-0002)</b>		
Note: Excludes lag bolt and washer.		
05 05 19 00-0163 EA 1/4" Bolt Diameter, Zinc Plated Steel, Concrete Lag Shield Anchor.....	12.74	
For >10 To 50, Deduct	-0.59	
For >50 To 100, Deduct	-1.20	
For >100, Deduct	-2.39	
05 05 19 00-0164 EA 5/16" Bolt Diameter, Zinc Plated Steel, Concrete Lag Shield Anchor.....	15.14	
For >10 To 50, Deduct	-0.70	
For >50 To 100, Deduct	-1.42	
For >100, Deduct	-2.84	
05 05 19 00-0165 EA 3/8" Bolt Diameter, Zinc Plated Steel, Concrete Lag Shield Anchor.....	15.97	
For >10 To 50, Deduct	-0.70	
For >50 To 100, Deduct	-1.44	
For >100, Deduct	-2.89	
05 05 19 00-0166 EA 1/2" Bolt Diameter, Zinc Plated Steel, Concrete Lag Shield Anchor.....	22.48	
For >10 To 50, Deduct	-0.99	
For >50 To 100, Deduct	-2.05	
For >100, Deduct	-4.09	
05 05 19 00-0167 EA 5/8" Bolt Diameter, Zinc Plated Steel, Concrete Lag Shield Anchor.....	30.72	
For >10 To 50, Deduct	-1.22	
For >50 To 100, Deduct	-2.60	
For >100, Deduct	-5.20	
05 05 19 00-0168 EA 3/4" Bolt Diameter, Zinc Plated Steel, Concrete Lag Shield Anchor.....	34.04	
For >10 To 50, Deduct	-1.45	
For >50 To 100, Deduct	-3.03	
For >100, Deduct	-6.06	
<b>05 05 19 00-0169 Chemical And Adhesive Anchors (05 05 19 00-0001)</b>		
<b>05 05 19 00-0170 Chemically Adhered Anchor Rods (05 05 19 00-0169)</b>		
Note: Includes drilling hole, injected adhesive or pre-placed adhesive cartridge, nut and washer. Zinc coated carbon steel.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0171 EA 1/4" x 1-9/16" Long Chemically Adhered Anchor Rod .....	16.71	
<i>For &gt;10 To 50, Deduct</i>	-0.64	
<i>For &gt;50 To 100, Deduct</i>	-1.38	
<i>For &gt;100, Deduct</i>	-2.77	
05 05 19 00-0172 EA 5/16" x 2-3/8" Long Chemically Adhered Anchor Rod .....	19.63	
<i>For &gt;10 To 50, Deduct</i>	-0.70	
<i>For &gt;50 To 100, Deduct</i>	-1.54	
<i>For &gt;100, Deduct</i>	-3.09	
05 05 19 00-0173 EA 3/8" x 2-3/4" Long Chemically Adhered Anchor Rod .....	24.34	
<i>For &gt;10 To 50, Deduct</i>	-0.88	
<i>For &gt;50 To 100, Deduct</i>	-1.92	
<i>For &gt;100, Deduct</i>	-3.85	
05 05 19 00-0174 EA 1/2" x 3-11/16" Long Chemically Adhered Anchor Rod .....	28.74	
<i>For &gt;10 To 50, Deduct</i>	-0.99	
<i>For &gt;50 To 100, Deduct</i>	-2.20	
<i>For &gt;100, Deduct</i>	-4.40	
05 05 19 00-0175 EA 1/2" x 5-1/2" Long Chemically Adhered Anchor Rod .....	30.78	
<i>For &gt;10 To 50, Deduct</i>	-0.99	
<i>For &gt;50 To 100, Deduct</i>	-2.25	
<i>For &gt;100, Deduct</i>	-4.51	
05 05 19 00-0176 EA 5/8" x 7" Long Chemically Adhered Anchor Rod.....	38.10	
<i>For &gt;10 To 50, Deduct</i>	-1.22	
<i>For &gt;50 To 100, Deduct</i>	-2.79	
<i>For &gt;100, Deduct</i>	-5.57	
05 05 19 00-0177 EA 3/4" x 9-1/2" Long Chemically Adhered Anchor Rod .....	50.24	
<i>For &gt;10 To 50, Deduct</i>	-1.45	
<i>For &gt;50 To 100, Deduct</i>	-3.44	
<i>For &gt;100, Deduct</i>	-6.87	
05 05 19 00-0178 EA 7/8" x 10" Long Chemically Adhered Anchor Rod.....	60.39	
<i>For &gt;10 To 50, Deduct</i>	-1.57	
<i>For &gt;50 To 100, Deduct</i>	-3.87	
<i>For &gt;100, Deduct</i>	-7.74	
05 05 19 00-0179 EA 1" x 11-3/4" Long Chemically Adhered Anchor Rod .....	83.16	
<i>For &gt;10 To 50, Deduct</i>	-2.04	
<i>For &gt;50 To 100, Deduct</i>	-5.14	
<i>For &gt;100, Deduct</i>	-10.28	
05 05 19 00-0180 EA 1-1/4" x 14" Long Chemically Adhered Anchor Rod .....	121.41	
<i>For &gt;10 To 50, Deduct</i>	-2.57	
<i>For &gt;50 To 100, Deduct</i>	-6.90	
<i>For &gt;100, Deduct</i>	-13.79	
<b>05 05 19 00-0181 Chemical Adhesives For Bolts, Dowels Or Threaded Rod</b> <small>(05 05 19 00-0169)</small>		
<small>Note: Injected or drop in cartridge. Sizes listed are for the diameter of the bolt, dowel or rod to be anchored. Includes drilling. Drill a hole 1/16" to 1/4" larger than the diameter of the thread and a depth a minimum of 4-1/2 times the diameter of the bolt. Excludes bolt, dowel or rod.</small>		
05 05 19 00-0182 EA 5/16" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	14.63	
<i>For &gt;10 To 50, Deduct</i>	-0.70	
<i>For &gt;50 To 100, Deduct</i>	-1.42	
<i>For &gt;100, Deduct</i>	-2.84	
05 05 19 00-0183 EA 3/8" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	17.18	
<i>For &gt;10 To 50, Deduct</i>	-0.82	
<i>For &gt;50 To 100, Deduct</i>	-1.66	
<i>For &gt;100, Deduct</i>	-3.32	
05 05 19 00-0184 EA 1/2" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	20.90	
<i>For &gt;10 To 50, Deduct</i>	-0.99	
<i>For &gt;50 To 100, Deduct</i>	-2.01	
<i>For &gt;100, Deduct</i>	-4.01	
05 05 19 00-0185 EA 5/8" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	23.89	
<i>For &gt;10 To 50, Deduct</i>	-1.06	
<i>For &gt;50 To 100, Deduct</i>	-2.19	
<i>For &gt;100, Deduct</i>	-4.37	
05 05 19 00-0186 EA 3/4" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	30.73	
<i>For &gt;10 To 50, Deduct</i>	-1.30	
<i>For &gt;50 To 100, Deduct</i>	-2.72	
<i>For &gt;100, Deduct</i>	-5.43	
05 05 19 00-0187 EA 7/8" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	34.18	
<i>For &gt;10 To 50, Deduct</i>	-1.39	
<i>For &gt;50 To 100, Deduct</i>	-2.94	
<i>For &gt;100, Deduct</i>	-5.89	
05 05 19 00-0188 EA 1" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	43.09	
<i>For &gt;10 To 50, Deduct</i>	-1.68	
<i>For &gt;50 To 100, Deduct</i>	-3.60	
<i>For &gt;100, Deduct</i>	-7.19	
05 05 19 00-0189 EA 1-1/8" Chemical Adhesive For Bolt, Dowel Or Threaded Rod .....	48.08	
<i>For &gt;10 To 50, Deduct</i>	-1.82	
<i>For &gt;50 To 100, Deduct</i>	-3.93	
<i>For &gt;100, Deduct</i>	-7.86	
05 05 19 00-0190 EA 1-1/4" Chemical Adhesive For Bolt, Dowel Or Threaded Rod .....	56.39	
<i>For &gt;10 To 50, Deduct</i>	-2.06	
<i>For &gt;50 To 100, Deduct</i>	-4.50	
<i>For &gt;100, Deduct</i>	-9.00	
05 05 19 00-0191 EA 1-3/8" Chemical Adhesive For Bolt, Dowel Or Threaded Rod .....	63.94	
<i>For &gt;10 To 50, Deduct</i>	-2.25	
<i>For &gt;50 To 100, Deduct</i>	-4.97	
<i>For &gt;100, Deduct</i>	-9.94	

**05 Metals****05 05 Common Work Results for Metals****05 05 19 Post-Installed Concrete Anchors**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0192 EA 1-1/2" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	74.25	
For>10 To 50, Deduct	-2.45	
For>50 To 100, Deduct	-5.53	
For>100, Deduct	-11.05	
05 05 19 00-0193 EA 1-3/4" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	95.46	
For>10 To 50, Deduct	-2.87	
For>50 To 100, Deduct	-6.70	
For>100, Deduct	-13.39	
05 05 19 00-0194 EA 2" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	145.39	
For>10 To 50, Deduct	-3.47	
For>50 To 100, Deduct	-8.84	
For>100, Deduct	-17.68	
<b>05 05 19 00-0195 Grout Concrete Anchor Bolt Or Threaded Rod (05 05 19 00-0169)</b>		
05 05 19 00-0196 EA Grout Concrete Anchor Bolt or Threaded Rod.....	4.72	
For>10 To 50, Deduct	-0.23	
For>50 To 100, Deduct	-0.46	
For>100, Deduct	-0.92	
<b>05 05 19 00-0197 Other Concrete And Masonry Anchors (05 05 19 00-0001)</b>		
<b>05 05 19 00-0198 Tapcon Masonry Screws (05 05 19 00-0197)</b>		
Note: Includes drilling. Countersunk or hex head.		
05 05 19 00-0199 EA 3/16" x 1-1/4" Tapcon Masonry Screw.....	12.09	
For>10 To 50, Deduct	-0.59	
For>50 To 100, Deduct	-1.18	
For>100, Deduct	-2.36	
05 05 19 00-0200 EA 3/16" x 2-1/4" Tapcon Masonry Screw.....	12.19	
For>10 To 50, Deduct	-0.59	
For>50 To 100, Deduct	-1.18	
For>100, Deduct	-2.37	
05 05 19 00-0201 EA 3/16" x 3-1/4" Tapcon Masonry Screw.....	12.41	
For>10 To 50, Deduct	-0.59	
For>50 To 100, Deduct	-1.19	
For>100, Deduct	-2.38	
05 05 19 00-0202 EA 1/4" x 1-1/4" Tapcon Masonry Screw.....	12.21	
For>10 To 50, Deduct	-0.59	
For>50 To 100, Deduct	-1.18	
For>100, Deduct	-2.37	
05 05 19 00-0203 EA 1/4" x 2-1/4" Tapcon Masonry Screw.....	12.33	
For>10 To 50, Deduct	-0.59	
For>50 To 100, Deduct	-1.19	
For>100, Deduct	-2.37	
05 05 19 00-0204 EA 1/4" x 3-1/4" Tapcon Masonry Screw.....	12.59	
For>10 To 50, Deduct	-0.59	
For>50 To 100, Deduct	-1.19	
For>100, Deduct	-2.39	
<b>05 05 19 00-0205 Large Diameter, Self-Threading Concrete Fasteners (05 05 19 00-0197)</b>		
Note: Includes drilling. Zinc plated.		
05 05 19 00-0206 EA 3/8" x 1-3/4", Large Diameter, Self-Threading Concrete Fastener.....	13.05	
For>10 To 50, Deduct	-0.59	
For>50 To 100, Deduct	-1.20	
For>100, Deduct	-2.41	
05 05 19 00-0207 EA 3/8" x 2-1/2", Large Diameter, Self-Threading Concrete Fastener.....	13.53	
For>10 To 50, Deduct	-0.59	
For>50 To 100, Deduct	-1.22	
For>100, Deduct	-2.43	
05 05 19 00-0208 EA 3/8" x 3", Large Diameter, Self-Threading Concrete Fastener.....	13.66	
For>10 To 50, Deduct	-0.59	
For>50 To 100, Deduct	-1.22	
For>100, Deduct	-2.44	
05 05 19 00-0209 EA 3/8" x 4", Large Diameter, Self-Threading Concrete Fastener.....	13.89	
For>10 To 50, Deduct	-0.59	
For>50 To 100, Deduct	-1.23	
For>100, Deduct	-2.45	
05 05 19 00-0210 EA 3/8" x 5", Large Diameter, Self-Threading Concrete Fastener.....	14.09	
For>10 To 50, Deduct	-0.59	
For>50 To 100, Deduct	-1.23	
For>100, Deduct	-2.46	
05 05 19 00-0211 EA 1/2" x 3", Large Diameter, Self-Threading Concrete Fastener.....	14.50	
For>10 To 50, Deduct	-0.59	
For>50 To 100, Deduct	-1.24	
For>100, Deduct	-2.48	
05 05 19 00-0212 EA 1/2" x 4", Large Diameter, Self-Threading Concrete Fastener.....	15.02	
For>10 To 50, Deduct	-0.59	
For>50 To 100, Deduct	-1.25	
For>100, Deduct	-2.51	
05 05 19 00-0213 EA 1/2" x 5", Large Diameter, Self-Threading Concrete Fastener.....	15.49	
For>10 To 50, Deduct	-0.59	
For>50 To 100, Deduct	-1.27	
For>100, Deduct	-2.53	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0214 EA 1/2" x 6", Large Diameter, Self-Threading Concrete Fastener.....	16.82	
For >10 To 50, Deduct	-0.59	
For >50 To 100, Deduct	-1.30	
For >100, Deduct	-2.60	
05 05 19 00-0215 EA 5/8" x 3", Large Diameter, Self-Threading Concrete Fastener.....	16.98	
For >10 To 50, Deduct	-0.59	
For >50 To 100, Deduct	-1.30	
For >100, Deduct	-2.61	
05 05 19 00-0216 EA 5/8" x 4", Large Diameter, Self-Threading Concrete Fastener.....	17.79	
For >10 To 50, Deduct	-0.59	
For >50 To 100, Deduct	-1.32	
For >100, Deduct	-2.65	
05 05 19 00-0217 EA 5/8" x 5", Large Diameter, Self-Threading Concrete Fastener.....	18.62	
For >10 To 50, Deduct	-0.59	
For >50 To 100, Deduct	-1.34	
For >100, Deduct	-2.69	
05 05 19 00-0218 EA 5/8" x 6", Large Diameter, Self-Threading Concrete Fastener.....	19.16	
For >10 To 50, Deduct	-0.59	
For >50 To 100, Deduct	-1.36	
For >100, Deduct	-2.71	
05 05 19 00-0219 EA 3/4" x 4-1/2", Large Diameter, Self-Threading Concrete Fastener.....	18.92	
For >10 To 50, Deduct	-0.59	
For >50 To 100, Deduct	-1.35	
For >100, Deduct	-2.70	
05 05 19 00-0220 EA 3/4" x 5-1/2", Large Diameter, Self-Threading Concrete Fastener.....	19.69	
For >10 To 50, Deduct	-0.59	
For >50 To 100, Deduct	-1.37	
For >100, Deduct	-2.74	
05 05 19 00-0221 EA 3/4" x 6-1/4", Large Diameter, Self-Threading Concrete Fastener.....	21.50	
For >10 To 50, Deduct	-0.59	
For >50 To 100, Deduct	-1.42	
For >100, Deduct	-2.83	
<b>05 05 19 00-0222 Pin Bolt Drives</b> (05 05 19 00-0197)		
Note: Includes drilling. Zinc plated.		
05 05 19 00-0223 EA 1/4" x 1" Pin Bolt Drive.....	7.61	
For >10 To 50, Deduct	-0.35	
For >50 To 100, Deduct	-0.72	
For >100, Deduct	-1.44	
05 05 19 00-0224 EA 1/4" x 1-1/4" Pin Bolt Drive.....	7.61	
For >10 To 50, Deduct	-0.35	
For >50 To 100, Deduct	-0.72	
For >100, Deduct	-1.44	
05 05 19 00-0225 EA 1/4" x 1-1/2" Pin Bolt Drive.....	7.69	
For >10 To 50, Deduct	-0.35	
For >50 To 100, Deduct	-0.72	
For >100, Deduct	-1.44	
05 05 19 00-0226 EA 1/4" x 2" Pin Bolt Drive.....	7.71	
For >10 To 50, Deduct	-0.35	
For >50 To 100, Deduct	-0.72	
For >100, Deduct	-1.44	
<b>05 05 19 00-0227 Powder Actuated, Shot-In Place Anchors</b> (05 05 19 00-0197)		
05 05 19 00-0228 EA 0.15" Diameter x 1/2" Length, Stud Powder Actuated Anchor .....	1.94	
For >10 To 50, Deduct	-0.08	
For >50 To 100, Deduct	-0.17	
For >100, Deduct	-0.33	
05 05 19 00-0229 EA 0.15" Diameter x 3/4" Length, Stud Powder Actuated Anchor .....	2.05	
For >10 To 50, Deduct	-0.08	
For >50 To 100, Deduct	-0.17	
For >100, Deduct	-0.35	
05 05 19 00-0230 EA 0.15"/0.18" Diameter x 1" Length, Stud Powder Actuated Anchor .....	2.24	
For >10 To 50, Deduct	-0.09	
For >50 To 100, Deduct	-0.19	
For >100, Deduct	-0.38	
05 05 19 00-0231 EA 0.15"/0.18" Diameter x 1-1/4" Length, Stud Powder Actuated Anchor.....	2.49	
For >10 To 50, Deduct	-0.09	
For >50 To 100, Deduct	-0.20	
For >100, Deduct	-0.41	
05 05 19 00-0232 EA 0.15"/0.18" Diameter x 1-7/8" Length, Stud Powder Actuated Anchor.....	2.65	
For >10 To 50, Deduct	-0.09	
For >50 To 100, Deduct	-0.21	
For >100, Deduct	-0.41	
<b>05 05 19 00-0233 Powder Actuated, Shot-In Place Anchors With Exposed Thread</b> (05 05 19 00-0197)		
05 05 19 00-0234 EA 0.145" Diameter x 1" Long Shank, 3/4" Thread Length, 1/4" - 20 Treaded Stud Powder Actuated Anchor.....	2.35	
For >10 To 50, Deduct	-0.08	
For >50 To 100, Deduct	-0.18	
For >100, Deduct	-0.36	

**05 Metals****05 05 Common Work Results for Metals****05 05 19 Post-Installed Concrete Anchors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0235	EA		0.205" Diameter x 1-1/6" Long Shank, 1" Thread Length, 3/8" - 16 Treaded Stud Powder Actuated Anchor.....	3.25	
			<i>For &gt;10 To 50, Deduct</i>	-0.10	
			<i>For &gt;50 To 100, Deduct</i>	-0.23	
			<i>For &gt;100, Deduct</i>	-0.46	
<b>05 05 21 Fastening Methods for Metal</b> <small>(05 05)</small>					
05 05 21 00-0001			Welding <small>(05 05 21)</small>		
05 05 21 00-0002			Minimum Charge For Welding <small>(05 05 21 00-0001)</small>		
05 05 21 00-0003	EA		Welding Minimum Charge.....	473.99	
			Note: For projects where the total welding charge is less than the minimum charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		
05 05 21 00-0004			Spot Welding <small>(05 05 21 00-0001)</small>		
			See CSI section 05 05 21 00-0007 for a series of welds.		
05 05 21 00-0005	EA		Up To 15 Spot Weldings, Welds Up To 1" Length Each.....	11.97	
			<i>For Aluminum Welding, Add</i>	1.88	
			<i>For Stainless Steel Welding, Add</i>	3.10	
05 05 21 00-0006	EA		>15 Spot Weldings, Welds Up To 1" Length Each.....	9.34	
			<i>For Aluminum Welding, Add</i>	1.49	
			<i>For Stainless Steel Welding, Add</i>	2.44	
05 05 21 00-0007			Field Welding (Seam And Stitch Welding) <small>(05 05 21 00-0001)</small>		
05 05 21 00-0008			Vertical Fillet Welds <small>(05 05 21 00-0007)</small>		
			Note: For existing steel and moment connections. Includes tack welds for proper alignment until the final welds are made.		
05 05 21 00-0009	LF		1/8" Vertical Fillet Weld.....	7.70	
			<i>For Aluminum Welding, Add</i>	1.57	
			<i>For Stainless Steel Welding, Add</i>	2.44	
			<i>For Up To 25, Add</i>	2.52	
			<i>For &gt;25 To 50, Add</i>	1.79	
05 05 21 00-0010	LF		3/16" Vertical Fillet Weld.....	14.87	
			<i>For Aluminum Welding, Add</i>	2.74	
			<i>For Stainless Steel Welding, Add</i>	4.36	
			<i>For Up To 25, Add</i>	4.99	
			<i>For &gt;25 To 50, Add</i>	3.55	
05 05 21 00-0011	LF		1/4" Vertical Fillet Weld.....	22.31	
			<i>For Aluminum Welding, Add</i>	4.13	
			<i>For Stainless Steel Welding, Add</i>	6.55	
			<i>For Up To 25, Add</i>	7.48	
			<i>For &gt;25 To 50, Add</i>	5.32	
05 05 21 00-0012	LF		5/16" Vertical Fillet Weld.....	29.45	
			<i>For Aluminum Welding, Add</i>	5.47	
			<i>For Stainless Steel Welding, Add</i>	8.68	
			<i>For Up To 25, Add</i>	9.87	
			<i>For &gt;25 To 50, Add</i>	7.01	
05 05 21 00-0013	LF		3/8" Vertical Fillet Weld.....	37.19	
			<i>For Aluminum Welding, Add</i>	6.87	
			<i>For Stainless Steel Welding, Add</i>	10.92	
			<i>For Up To 25, Add</i>	12.48	
			<i>For &gt;25 To 50, Add</i>	8.87	
05 05 21 00-0014	LF		7/16" Vertical Fillet Weld.....	43.20	
			<i>For Aluminum Welding, Add</i>	7.51	
			<i>For Stainless Steel Welding, Add</i>	12.08	
			<i>For Up To 25, Add</i>	14.69	
			<i>For &gt;25 To 50, Add</i>	10.46	
05 05 21 00-0015	LF		1/2" Vertical Fillet Weld.....	50.84	
			<i>For Aluminum Welding, Add</i>	9.43	
			<i>For Stainless Steel Welding, Add</i>	14.97	
			<i>For Up To 25, Add</i>	17.04	
			<i>For &gt;25 To 50, Add</i>	12.11	
05 05 21 00-0016	LF		9/16" Vertical Fillet Weld.....	59.40	
			<i>For Aluminum Welding, Add</i>	10.52	
			<i>For Stainless Steel Welding, Add</i>	16.87	
			<i>For Up To 25, Add</i>	20.12	
			<i>For &gt;25 To 50, Add</i>	14.31	
05 05 21 00-0017	LF		5/8" Vertical Fillet Weld.....	68.88	
			<i>For Aluminum Welding, Add</i>	12.25	
			<i>For Stainless Steel Welding, Add</i>	19.61	
			<i>For Up To 25, Add</i>	23.31	
			<i>For &gt;25 To 50, Add</i>	16.58	
05 05 21 00-0018	LF		3/4" Vertical Fillet Weld.....	93.05	
			<i>For Aluminum Welding, Add</i>	17.25	
			<i>For Stainless Steel Welding, Add</i>	27.37	
			<i>For Up To 25, Add</i>	31.20	
			<i>For &gt;25 To 50, Add</i>	22.17	
05 05 21 00-0019	LF		7/8" Vertical Fillet Weld.....	137.47	
			<i>For Aluminum Welding, Add</i>	24.29	
			<i>For Stainless Steel Welding, Add</i>	38.95	
			<i>For Up To 25, Add</i>	46.59	
			<i>For &gt;25 To 50, Add</i>	33.15	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 21 00-0020 LF 1" Vertical Fillet Weld.....	185.39	
<i>For Aluminum Welding, Add</i>	33.95	
<i>For Stainless Steel Welding, Add</i>	54.03	
<i>For Up To 25, Add</i>	62.33	
<i>For &gt;25 To 50, Add</i>	44.30	
<b>05 05 21 00-0021 Horizontal Or Flat Fillet Welds</b> <small>(05 05 21 00-0007)</small>		
<small>Note: For existing steel and moment connections. Includes tack welds for proper alignment until the final welds are made.</small>		
05 05 21 00-0022 LF 1/8" Horizontal Or Flat Fillet Weld.....	6.50	
<i>For Aluminum Welding, Add</i>	1.39	
<i>For Stainless Steel Welding, Add</i>	2.14	
<i>For Up To 25, Add</i>	2.10	
<i>For &gt;25 To 50, Add</i>	1.49	
05 05 21 00-0023 LF 3/16" Horizontal Or Flat Fillet Weld.....	12.61	
<i>For Aluminum Welding, Add</i>	2.43	
<i>For Stainless Steel Welding, Add</i>	3.83	
<i>For Up To 25, Add</i>	4.19	
<i>For &gt;25 To 50, Add</i>	2.97	
05 05 21 00-0024 LF 1/4" Horizontal Or Flat Fillet Weld.....	18.86	
<i>For Aluminum Welding, Add</i>	3.64	
<i>For Stainless Steel Welding, Add</i>	5.73	
<i>For Up To 25, Add</i>	6.26	
<i>For &gt;25 To 50, Add</i>	4.45	
05 05 21 00-0025 LF 5/16" Horizontal Or Flat Fillet Weld.....	24.94	
<i>For Aluminum Welding, Add</i>	4.85	
<i>For Stainless Steel Welding, Add</i>	7.62	
<i>For Up To 25, Add</i>	8.27	
<i>For &gt;25 To 50, Add</i>	5.87	
05 05 21 00-0026 LF 3/8" Horizontal Or Flat Fillet Weld.....	31.48	
<i>For Aluminum Welding, Add</i>	6.07	
<i>For Stainless Steel Welding, Add</i>	9.56	
<i>For Up To 25, Add</i>	10.46	
<i>For &gt;25 To 50, Add</i>	7.42	
05 05 21 00-0027 LF 7/16" Horizontal Or Flat Fillet Weld.....	36.40	
<i>For Aluminum Welding, Add</i>	6.54	
<i>For Stainless Steel Welding, Add</i>	10.45	
<i>For Up To 25, Add</i>	12.29	
<i>For &gt;25 To 50, Add</i>	8.74	
05 05 21 00-0028 LF 1/2" Horizontal Or Flat Fillet Weld.....	42.99	
<i>For Aluminum Welding, Add</i>	8.33	
<i>For Stainless Steel Welding, Add</i>	13.10	
<i>For Up To 25, Add</i>	14.26	
<i>For &gt;25 To 50, Add</i>	10.12	
05 05 21 00-0029 LF 9/16" Horizontal Or Flat Fillet Weld.....	50.17	
<i>For Aluminum Welding, Add</i>	9.25	
<i>For Stainless Steel Welding, Add</i>	14.70	
<i>For Up To 25, Add</i>	16.84	
<i>For &gt;25 To 50, Add</i>	11.97	
05 05 21 00-0030 LF 5/8" Horizontal Or Flat Fillet Weld.....	58.47	
<i>For Aluminum Welding, Add</i>	11.01	
<i>For Stainless Steel Welding, Add</i>	17.42	
<i>For Up To 25, Add</i>	19.53	
<i>For &gt;25 To 50, Add</i>	13.87	
05 05 21 00-0031 LF 3/4" Horizontal Or Flat Fillet Weld.....	78.77	
<i>For Aluminum Welding, Add</i>	15.27	
<i>For Stainless Steel Welding, Add</i>	24.01	
<i>For Up To 25, Add</i>	26.13	
<i>For &gt;25 To 50, Add</i>	18.54	
05 05 21 00-0032 LF 7/8" Horizontal Or Flat Fillet Weld.....	115.17	
<i>For Aluminum Welding, Add</i>	20.70	
<i>For Stainless Steel Welding, Add</i>	33.07	
<i>For Up To 25, Add</i>	38.88	
<i>For &gt;25 To 50, Add</i>	27.65	
05 05 21 00-0033 LF 1" Horizontal Or Flat Fillet Weld.....	156.33	
<i>For Aluminum Welding, Add</i>	29.89	
<i>For Stainless Steel Welding, Add</i>	47.13	
<i>For Up To 25, Add</i>	52.03	
<i>For &gt;25 To 50, Add</i>	36.94	

**05 05 23 Metal Fastenings** (05 05)

**05 05 23 00-0001 Drilling In Existing Steel Plates** (05 05 23)

05 05 23 00-0002 EA Up To 1/2" Diameter Drill Through Up To 1/4" Steel Plate .....	21.30	
<i>For Aluminum, Deduct</i>	-2.13	
<i>For Stainless Steel, Add</i>	2.66	
<i>For &gt;5 To 10, Deduct</i>	-2.13	
<i>For &gt;10 To 25, Deduct</i>	-5.33	
<i>For &gt;25 To 50, Deduct</i>	-7.46	
<i>For &gt;50, Deduct</i>	-10.65	

**05 Metals****05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0003 EA >1/2" To 7/8" Diameter Drill Through Up To 1/4" Steel Plate.....	25.06	
For Aluminum, Deduct	-2.51	
For Stainless Steel, Add	3.13	
For >5 To 10, Deduct	-2.51	
For >10 To 25, Deduct	-6.27	
For >25 To 50, Deduct	-8.77	
For >50, Deduct	-12.53	
05 05 23 00-0004 EA >7/8" To 1-1/2" Diameter Drill Through Up To 1/4" Steel Plate.....	30.07	
For Aluminum, Deduct	-3.01	
For Stainless Steel, Add	3.76	
For >5 To 10, Deduct	-3.01	
For >10 To 25, Deduct	-7.52	
For >25 To 50, Deduct	-10.52	
For >50, Deduct	-15.04	
05 05 23 00-0005 EA >1-1/2" To 4" Diameter Drill Through Up To 1/4" Steel Plate.....	35.08	
For Aluminum, Deduct	-3.51	
For Stainless Steel, Add	4.39	
For >5 To 10, Deduct	-3.51	
For >10 To 25, Deduct	-8.77	
For >25 To 50, Deduct	-12.28	
For >50, Deduct	-17.54	
05 05 23 00-0006 EA >4" To 10" Diameter Drill Through Up To 1/4" Steel Plate.....	46.99	
For Aluminum, Deduct	-4.70	
For Stainless Steel, Add	5.87	
For >5 To 10, Deduct	-4.70	
For >10 To 25, Deduct	-11.75	
For >25 To 50, Deduct	-16.45	
For >50, Deduct	-23.50	
05 05 23 00-0007 EA Up To 1/2" Diameter Drill Through >1/4" To 1/2" Steel Plate.....	25.06	
For Aluminum, Deduct	-2.51	
For Stainless Steel, Add	3.13	
For >5 To 10, Deduct	-2.51	
For >10 To 25, Deduct	-6.27	
For >25 To 50, Deduct	-8.77	
For >50, Deduct	-12.53	
05 05 23 00-0008 EA >1/2" To 7/8" Diameter Drill Through >1/4" To 1/2" Steel Plate.....	31.33	
For Aluminum, Deduct	-3.13	
For Stainless Steel, Add	3.92	
For >5 To 10, Deduct	-3.13	
For >10 To 25, Deduct	-7.83	
For >25 To 50, Deduct	-10.97	
For >50, Deduct	-15.67	
05 05 23 00-0009 EA >7/8" To 1-1/2" Diameter Drill Through >1/4" To 1/2" Steel Plate.....	37.59	
For Aluminum, Deduct	-3.76	
For Stainless Steel, Add	4.70	
For >5 To 10, Deduct	-3.76	
For >10 To 25, Deduct	-9.40	
For >25 To 50, Deduct	-13.16	
For >50, Deduct	-18.80	
05 05 23 00-0010 EA >1-1/2" To 4" Diameter Drill Through >1/4" To 1/2" Steel Plate.....	46.99	
For Aluminum, Deduct	-4.70	
For Stainless Steel, Add	5.87	
For >5 To 10, Deduct	-4.70	
For >10 To 25, Deduct	-11.75	
For >25 To 50, Deduct	-16.45	
For >50, Deduct	-23.50	
05 05 23 00-0011 EA Up To 1/2" Diameter Drill Through >1/2" To 1" Steel Plate.....	31.33	
For Aluminum, Deduct	-3.13	
For Stainless Steel, Add	3.92	
For >5 To 10, Deduct	-3.13	
For >10 To 25, Deduct	-7.83	
For >25 To 50, Deduct	-10.97	
For >50, Deduct	-15.67	
05 05 23 00-0012 EA >1/2" To 7/8" Diameter Drill Through >1/2" To 1" Steel Plate.....	41.35	
For Aluminum, Deduct	-4.14	
For Stainless Steel, Add	5.17	
For >5 To 10, Deduct	-4.14	
For >10 To 25, Deduct	-10.34	
For >25 To 50, Deduct	-14.47	
For >50, Deduct	-20.68	
05 05 23 00-0013 EA >7/8" To 1-1/2" Diameter Drill Through >1/2" To 1" Steel Plate.....	50.12	
For Aluminum, Deduct	-5.01	
For Stainless Steel, Add	6.27	
For >5 To 10, Deduct	-5.01	
For >10 To 25, Deduct	-12.53	
For >25 To 50, Deduct	-17.54	
For >50, Deduct	-25.06	

05 05 23 00-0014

**Hex Bolts** (05 05 23)

Note: For owner furnished materials or where requested by the owner. Excludes drilling through steel, concrete, brick or block. See CSI section 02 41 19 13-0277 for drilling into concrete, 02 41 19 13-0292 for drilling into brick or block, 02 41 19 13-0307 for drilling into wood or plastic, 05 05 23 00-0001 for drilling through steel.

05 05 23 00-0015

**A307B Heavy Hex Bolts** (05 05 23 00-0014)

Note: Includes A307B heavy hex nut and two structural washers.



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>05 05 23 00-0016 Plain Finish A307B Heavy Hex Bolts</b> <small>(05 05 23 00-0015)</small>		
05 05 23 00-0017 EA 1/2" Diameter x 1-1/2" Long, Plain Finish A307B Heavy Hex Bolt .....	14.03	1.33
<i>For &gt;10 To 50, Deduct</i>	-0.56	
<i>For &gt;50 To 100, Deduct</i>	-1.19	
<i>For &gt;100, Deduct</i>	-2.37	
05 05 23 00-0018 EA 1/2" Diameter x 3" Long, Plain Finish A307B Heavy Hex Bolt .....	15.69	1.33
<i>For &gt;10 To 50, Deduct</i>	-0.56	
<i>For &gt;50 To 100, Deduct</i>	-1.23	
<i>For &gt;100, Deduct</i>	-2.46	
05 05 23 00-0019 EA 5/8" Diameter x 2" Long, Plain Finish A307B Heavy Hex Bolt .....	15.73	1.33
<i>For &gt;10 To 50, Deduct</i>	-0.56	
<i>For &gt;50 To 100, Deduct</i>	-1.23	
<i>For &gt;100, Deduct</i>	-2.46	
05 05 23 00-0020 EA 5/8" Diameter x 4" Long, Plain Finish A307B Heavy Hex Bolt .....	18.84	1.52
<i>For &gt;10 To 50, Deduct</i>	-0.64	
<i>For &gt;50 To 100, Deduct</i>	-1.43	
<i>For &gt;100, Deduct</i>	-2.85	
05 05 23 00-0021 EA 3/4" Diameter x 2" Long, Plain Finish A307B Heavy Hex Bolt .....	18.52	1.33
<i>For &gt;10 To 50, Deduct</i>	-0.56	
<i>For &gt;50 To 100, Deduct</i>	-1.30	
<i>For &gt;100, Deduct</i>	-2.60	
05 05 23 00-0022 EA 3/4" Diameter x 4" Long, Plain Finish A307B Heavy Hex Bolt .....	22.31	1.52
<i>For &gt;10 To 50, Deduct</i>	-0.64	
<i>For &gt;50 To 100, Deduct</i>	-1.51	
<i>For &gt;100, Deduct</i>	-3.02	
05 05 23 00-0023 EA 3/4" Diameter x 6" Long, Plain Finish A307B Heavy Hex Bolt .....	28.73	1.59
<i>For &gt;10 To 50, Deduct</i>	-0.67	
<i>For &gt;50 To 100, Deduct</i>	-1.72	
<i>For &gt;100, Deduct</i>	-3.43	
05 05 23 00-0024 EA 3/4" Diameter x 8" Long, Plain Finish A307B Heavy Hex Bolt .....	30.92	1.68
<i>For &gt;10 To 50, Deduct</i>	-0.70	
<i>For &gt;50 To 100, Deduct</i>	-1.82	
<i>For &gt;100, Deduct</i>	-3.64	
05 05 23 00-0025 EA 7/8" Diameter x 2" Long, Plain Finish A307B Heavy Hex Bolt .....	22.42	1.45
<i>For &gt;10 To 50, Deduct</i>	-0.60	
<i>For &gt;50 To 100, Deduct</i>	-1.47	
<i>For &gt;100, Deduct</i>	-2.93	
05 05 23 00-0026 EA 7/8" Diameter x 4" Long, Plain Finish A307B Heavy Hex Bolt .....	27.28	1.59
<i>For &gt;10 To 50, Deduct</i>	-0.66	
<i>For &gt;50 To 100, Deduct</i>	-1.68	
<i>For &gt;100, Deduct</i>	-3.36	
05 05 23 00-0027 EA 1" Diameter x 4" Long, Plain Finish A307B Heavy Hex Bolt .....	32.41	1.68
<i>For &gt;10 To 50, Deduct</i>	-0.70	
<i>For &gt;50 To 100, Deduct</i>	-1.86	
<i>For &gt;100, Deduct</i>	-3.72	
05 05 23 00-0028 EA 1" Diameter x 6" Long, Plain Finish A307B Heavy Hex Bolt .....	47.25	1.76
<i>For &gt;10 To 50, Deduct</i>	-0.74	
<i>For &gt;50 To 100, Deduct</i>	-2.28	
<i>For &gt;100, Deduct</i>	-4.57	
05 05 23 00-0029 EA 1-1/4" Diameter x 4" Long, Plain Finish A307B Heavy Hex Bolt .....	55.43	2.00
<i>For &gt;10 To 50, Deduct</i>	-0.83	
<i>For &gt;50 To 100, Deduct</i>	-2.63	
<i>For &gt;100, Deduct</i>	-5.26	
05 05 23 00-0030 EA 1-1/4" Diameter x 6" Long, Plain Finish A307B Heavy Hex Bolt .....	62.56	2.14
<i>For &gt;10 To 50, Deduct</i>	-0.89	
<i>For &gt;50 To 100, Deduct</i>	-2.90	
<i>For &gt;100, Deduct</i>	-5.80	
<b>05 05 23 00-0031 Galvanized A307B Heavy Hex Bolts</b> <small>(05 05 23 00-0015)</small>		
05 05 23 00-0032 EA 1/2" Diameter x 1-1/2" Long, Galvanized A307B Heavy Hex Bolt .....	14.84	1.33
<i>For &gt;10 To 50, Deduct</i>	-0.56	
<i>For &gt;50 To 100, Deduct</i>	-1.21	
<i>For &gt;100, Deduct</i>	-2.41	
05 05 23 00-0033 EA 1/2" Diameter x 3" Long, Galvanized A307B Heavy Hex Bolt .....	16.23	1.33
<i>For &gt;10 To 50, Deduct</i>	-0.56	
<i>For &gt;50 To 100, Deduct</i>	-1.24	
<i>For &gt;100, Deduct</i>	-2.48	
05 05 23 00-0034 EA 5/8" Diameter x 2" Long, Galvanized A307B Heavy Hex Bolt .....	17.74	1.33
<i>For &gt;10 To 50, Deduct</i>	-0.56	
<i>For &gt;50 To 100, Deduct</i>	-1.28	
<i>For &gt;100, Deduct</i>	-2.56	
05 05 23 00-0035 EA 5/8" Diameter x 4" Long, Galvanized A307B Heavy Hex Bolt .....	20.85	1.52
<i>For &gt;10 To 50, Deduct</i>	-0.64	
<i>For &gt;50 To 100, Deduct</i>	-1.48	
<i>For &gt;100, Deduct</i>	-2.95	
05 05 23 00-0036 EA 3/4" Diameter x 2" Long, Galvanized A307B Heavy Hex Bolt .....	20.81	1.33
<i>For &gt;10 To 50, Deduct</i>	-0.56	
<i>For &gt;50 To 100, Deduct</i>	-1.36	
<i>For &gt;100, Deduct</i>	-2.71	
05 05 23 00-0037 EA 3/4" Diameter x 4" Long, Galvanized A307B Heavy Hex Bolt .....	26.53	1.52
<i>For &gt;10 To 50, Deduct</i>	-0.64	
<i>For &gt;50 To 100, Deduct</i>	-1.62	
<i>For &gt;100, Deduct</i>	-3.23	

**05 Metals****05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0038 EA 3/4" Diameter x 6" Long, Galvanized A307B Heavy Hex Bolt.....	36.01	1.59
For >10 To 50, Deduct	-0.67	
For >50 To 100, Deduct	-1.90	
For >100, Deduct	-3.80	
05 05 23 00-0039 EA 3/4" Diameter x 8" Long, Galvanized A307B Heavy Hex Bolt.....	42.70	1.68
For >10 To 50, Deduct	-0.70	
For >50 To 100, Deduct	-2.12	
For >100, Deduct	-4.23	
05 05 23 00-0040 EA 7/8" Diameter x 2" Long, Galvanized A307B Heavy Hex Bolt.....	28.40	1.45
For >10 To 50, Deduct	-0.60	
For >50 To 100, Deduct	-1.62	
For >100, Deduct	-3.23	
05 05 23 00-0041 EA 7/8" Diameter x 4" Long, Galvanized A307B Heavy Hex Bolt.....	34.02	1.59
For >10 To 50, Deduct	-0.66	
For >50 To 100, Deduct	-1.85	
For >100, Deduct	-3.69	
05 05 23 00-0042 EA 1" Diameter x 4" Long, Galvanized A307B Heavy Hex Bolt.....	41.10	1.68
For >10 To 50, Deduct	-0.70	
For >50 To 100, Deduct	-2.08	
For >100, Deduct	-4.15	
05 05 23 00-0043 EA 1" Diameter x 6" Long, Galvanized A307B Heavy Hex Bolt.....	63.02	1.76
For >10 To 50, Deduct	-0.74	
For >50 To 100, Deduct	-2.68	
For >100, Deduct	-5.36	
05 05 23 00-0044 EA 1-1/4" Diameter x 4" Long, Galvanized A307B Heavy Hex Bolt.....	62.49	2.00
For >10 To 50, Deduct	-0.83	
For >50 To 100, Deduct	-2.81	
For >100, Deduct	-5.61	
05 05 23 00-0045 EA 1-1/4" Diameter x 6" Long, Galvanized A307B Heavy Hex Bolt.....	78.89	2.14
For >10 To 50, Deduct	-0.89	
For >50 To 100, Deduct	-3.31	
For >100, Deduct	-6.61	
<b>05 05 23 00-0046 A325 High Strength Structural Bolts (05 05 23 00-0014)</b>		
Note: Includes A325 heavy hex nut and two structural washers.		
<b>05 05 23 00-0047 Plain Finish A325 High Strength Structural Bolts (05 05 23 00-0046)</b>		
Note: Includes A325 heavy hex nut and structural washer.		
05 05 23 00-0048 EA 1/2" Diameter x 1-1/2" Long, Plain Finish A325 High Strength Structural Bolt.....	13.64	1.33
For >10 To 50, Deduct	-0.56	
For >50 To 100, Deduct	-1.18	
For >100, Deduct	-2.35	
05 05 23 00-0049 EA 1/2" Diameter x 3" Long, Plain Finish A325 High Strength Structural Bolt.....	14.01	1.33
For >10 To 50, Deduct	-0.56	
For >50 To 100, Deduct	-1.19	
For >100, Deduct	-2.37	
05 05 23 00-0050 EA 5/8" Diameter x 2" Long, Plain Finish A325 High Strength Structural Bolt.....	15.18	1.33
For >10 To 50, Deduct	-0.56	
For >50 To 100, Deduct	-1.22	
For >100, Deduct	-2.43	
05 05 23 00-0051 EA 5/8" Diameter x 4" Long, Plain Finish A325 High Strength Structural Bolt.....	18.87	1.52
For >10 To 50, Deduct	-0.64	
For >50 To 100, Deduct	-1.43	
For >100, Deduct	-2.85	
05 05 23 00-0052 EA 5/8" Diameter x 6" Long, Plain Finish A325 High Strength Structural Bolt.....	22.23	1.59
For >10 To 50, Deduct	-0.67	
For >50 To 100, Deduct	-1.55	
For >100, Deduct	-3.11	
05 05 23 00-0053 EA 3/4" Diameter x 2" Long, Plain Finish A325 High Strength Structural Bolt.....	16.81	1.33
For >10 To 50, Deduct	-0.56	
For >50 To 100, Deduct	-1.26	
For >100, Deduct	-2.51	
05 05 23 00-0054 EA 3/4" Diameter x 4" Long, Plain Finish A325 High Strength Structural Bolt.....	20.61	1.52
For >10 To 50, Deduct	-0.64	
For >50 To 100, Deduct	-1.47	
For >100, Deduct	-2.94	
05 05 23 00-0055 EA 3/4" Diameter x 6" Long, Plain Finish A325 High Strength Structural Bolt.....	23.77	1.59
For >10 To 50, Deduct	-0.67	
For >50 To 100, Deduct	-1.59	
For >100, Deduct	-3.18	
05 05 23 00-0056 EA 3/4" Diameter x 8" Long, Plain Finish A325 High Strength Structural Bolt.....	29.88	1.68
For >10 To 50, Deduct	-0.70	
For >50 To 100, Deduct	-1.80	
For >100, Deduct	-3.59	
05 05 23 00-0057 EA 7/8" Diameter x 2" Long, Plain Finish A325 High Strength Structural Bolt.....	19.74	1.45
For >10 To 50, Deduct	-0.60	
For >50 To 100, Deduct	-1.40	
For >100, Deduct	-2.80	
05 05 23 00-0058 EA 7/8" Diameter x 4" Long, Plain Finish A325 High Strength Structural Bolt.....	24.42	1.59
For >10 To 50, Deduct	-0.66	
For >50 To 100, Deduct	-1.61	
For >100, Deduct	-3.21	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0059 EA 7/8" Diameter x 6" Long, Plain Finish A325 High Strength Structural Bolt.....	28.19	1.68
For >10 To 50, Deduct	-0.70	
For >50 To 100, Deduct	-1.75	
For >100, Deduct	-3.51	
05 05 23 00-0060 EA 7/8" Diameter x 8" Long, Plain Finish A325 High Strength Structural Bolt.....	30.67	1.76
For >10 To 50, Deduct	-0.74	
For >50 To 100, Deduct	-1.87	
For >100, Deduct	-3.74	
05 05 23 00-0061 EA 1" Diameter x 2" Long, Plain Finish A325 High Strength Structural Bolt.....	22.03	1.51
For >10 To 50, Deduct	-0.63	
For >50 To 100, Deduct	-1.49	
For >100, Deduct	-2.99	
05 05 23 00-0062 EA 1" Diameter x 4" Long, Plain Finish A325 High Strength Structural Bolt.....	26.80	1.68
For >10 To 50, Deduct	-0.70	
For >50 To 100, Deduct	-1.72	
For >100, Deduct	-3.44	
05 05 23 00-0063 EA 1" Diameter x 6" Long, Plain Finish A325 High Strength Structural Bolt.....	31.45	1.76
For >10 To 50, Deduct	-0.74	
For >50 To 100, Deduct	-1.89	
For >100, Deduct	-3.78	
05 05 23 00-0064 EA 1" Diameter x 8" Long, Plain Finish A325 High Strength Structural Bolt.....	41.13	1.87
For >10 To 50, Deduct	-0.78	
For >50 To 100, Deduct	-2.20	
For >100, Deduct	-4.40	
05 05 23 00-0065 EA 1-1/4" Diameter x 3" Long, Plain Finish A325 High Strength Structural Bolt.....	39.08	1.87
For >10 To 50, Deduct	-0.78	
For >50 To 100, Deduct	-2.15	
For >100, Deduct	-4.30	
05 05 23 00-0066 EA 1-1/4" Diameter x 4" Long, Plain Finish A325 High Strength Structural Bolt.....	44.59	2.00
For >10 To 50, Deduct	-0.83	
For >50 To 100, Deduct	-2.36	
For >100, Deduct	-4.72	
05 05 23 00-0067 EA 1-1/4" Diameter x 6" Long, Plain Finish A325 High Strength Structural Bolt.....	52.81	2.14
For >10 To 50, Deduct	-0.89	
For >50 To 100, Deduct	-2.65	
For >100, Deduct	-5.31	
05 05 23 00-0068 EA 1-1/4" Diameter x 8" Long, Plain Finish A325 High Strength Structural Bolt.....	62.50	2.28
For >10 To 50, Deduct	-0.95	
For >50 To 100, Deduct	-2.99	
For >100, Deduct	-5.97	
<b>05 05 23 00-0069 Galvanized A325 High Strength Structural Bolts</b> <small>(05 05 23 00-0046)</small>		
Note: Includes A325 heavy hex nut and structural washer.		
05 05 23 00-0070 EA 1/2" Diameter x 1-1/2" Long, Galvanized A325 High Strength Structural Bolt .....	14.38	1.33
For >10 To 50, Deduct	-0.56	
For >50 To 100, Deduct	-1.20	
For >100, Deduct	-2.39	
05 05 23 00-0071 EA 1/2" Diameter x 3" Long, Galvanized A325 High Strength Structural Bolt .....	14.64	1.33
For >10 To 50, Deduct	-0.56	
For >50 To 100, Deduct	-1.20	
For >100, Deduct	-2.40	
05 05 23 00-0072 EA 5/8" Diameter x 2" Long, Galvanized A325 High Strength Structural Bolt .....	16.73	1.33
For >10 To 50, Deduct	-0.56	
For >50 To 100, Deduct	-1.25	
For >100, Deduct	-2.51	
05 05 23 00-0073 EA 5/8" Diameter x 4" Long, Galvanized A325 High Strength Structural Bolt .....	19.97	1.52
For >10 To 50, Deduct	-0.64	
For >50 To 100, Deduct	-1.45	
For >100, Deduct	-2.91	
05 05 23 00-0074 EA 5/8" Diameter x 6" Long, Galvanized A325 High Strength Structural Bolt .....	21.18	1.59
For >10 To 50, Deduct	-0.67	
For >50 To 100, Deduct	-1.53	
For >100, Deduct	-3.05	
05 05 23 00-0075 EA 3/4" Diameter x 2" Long, Galvanized A325 High Strength Structural Bolt .....	17.53	1.33
For >10 To 50, Deduct	-0.56	
For >50 To 100, Deduct	-1.27	
For >100, Deduct	-2.55	
05 05 23 00-0076 EA 3/4" Diameter x 4" Long, Galvanized A325 High Strength Structural Bolt .....	21.51	1.52
For >10 To 50, Deduct	-0.64	
For >50 To 100, Deduct	-1.49	
For >100, Deduct	-2.98	
05 05 23 00-0077 EA 3/4" Diameter x 6" Long, Galvanized A325 High Strength Structural Bolt .....	25.17	1.59
For >10 To 50, Deduct	-0.67	
For >50 To 100, Deduct	-1.63	
For >100, Deduct	-3.25	
05 05 23 00-0078 EA 3/4" Diameter x 8" Long, Galvanized A325 High Strength Structural Bolt .....	33.19	1.68
For >10 To 50, Deduct	-0.70	
For >50 To 100, Deduct	-1.88	
For >100, Deduct	-3.76	
05 05 23 00-0079 EA 7/8" Diameter x 2" Long, Galvanized A325 High Strength Structural Bolt .....	24.01	1.45
For >10 To 50, Deduct	-0.60	
For >50 To 100, Deduct	-1.51	
For >100, Deduct	-3.01	

**05 Metals****05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0080 EA 7/8" Diameter x 4" Long, Galvanized A325 High Strength Structural Bolt.....	26.95	1.59
For>10 To 50, Deduct	-0.66	
For>50 To 100, Deduct	-1.67	
For>100, Deduct	-3.34	
05 05 23 00-0081 EA 7/8" Diameter x 6" Long, Galvanized A325 High Strength Structural Bolt.....	31.25	1.68
For>10 To 50, Deduct	-0.70	
For>50 To 100, Deduct	-1.83	
For>100, Deduct	-3.66	
05 05 23 00-0082 EA 7/8" Diameter x 8" Long, Galvanized A325 High Strength Structural Bolt.....	39.85	1.76
For>10 To 50, Deduct	-0.74	
For>50 To 100, Deduct	-2.10	
For>100, Deduct	-4.20	
05 05 23 00-0083 EA 1" Diameter x 2" Long, Galvanized A325 High Strength Structural Bolt.....	25.35	1.51
For>10 To 50, Deduct	-0.63	
For>50 To 100, Deduct	-1.58	
For>100, Deduct	-3.15	
05 05 23 00-0084 EA 1" Diameter x 4" Long, Galvanized A325 High Strength Structural Bolt.....	34.41	1.68
For>10 To 50, Deduct	-0.70	
For>50 To 100, Deduct	-1.91	
For>100, Deduct	-3.82	
05 05 23 00-0085 EA 1" Diameter x 6" Long, Galvanized A325 High Strength Structural Bolt.....	37.82	1.76
For>10 To 50, Deduct	-0.74	
For>50 To 100, Deduct	-2.05	
For>100, Deduct	-4.10	
05 05 23 00-0086 EA 1" Diameter x 8" Long, Galvanized A325 High Strength Structural Bolt.....	48.99	1.87
For>10 To 50, Deduct	-0.78	
For>50 To 100, Deduct	-2.40	
For>100, Deduct	-4.80	
05 05 23 00-0087 EA 1-1/4" Diameter x 3" Long, Galvanized A325 High Strength Structural Bolt .....	48.67	1.87
For>10 To 50, Deduct	-0.78	
For>50 To 100, Deduct	-2.39	
For>100, Deduct	-4.78	
05 05 23 00-0088 EA 1-1/4" Diameter x 4" Long, Galvanized A325 High Strength Structural Bolt .....	51.92	2.00
For>10 To 50, Deduct	-0.83	
For>50 To 100, Deduct	-2.54	
For>100, Deduct	-5.09	
05 05 23 00-0089 EA 1-1/4" Diameter x 6" Long, Galvanized A325 High Strength Structural Bolt .....	61.20	2.14
For>10 To 50, Deduct	-0.89	
For>50 To 100, Deduct	-2.86	
For>100, Deduct	-5.73	
05 05 23 00-0090 EA 1-1/4" Diameter x 8" Long, Galvanized A325 High Strength Structural Bolt .....	71.26	2.28
For>10 To 50, Deduct	-0.95	
For>50 To 100, Deduct	-3.20	
For>100, Deduct	-6.41	
<b>05 05 23 00-0091 A490 High Strength Structural Bolts (05 05 23 00-0014)</b>		
Note: Includes A490 heavy hex nut and two structural washers.		
<b>05 05 23 00-0092 Plain Finish A490 High Strength Structural Bolts (05 05 23 00-0091)</b>		
05 05 23 00-0093 EA 5/8" Diameter x 2" Long, Plain Finish A490 High Strength Structural Bolt.....	15.76	1.33
For>10 To 50, Deduct	-0.56	
For>50 To 100, Deduct	-1.23	
For>100, Deduct	-2.46	
05 05 23 00-0094 EA 5/8" Diameter x 4" Long, Plain Finish A490 High Strength Structural Bolt.....	22.86	1.52
For>10 To 50, Deduct	-0.64	
For>50 To 100, Deduct	-1.53	
For>100, Deduct	-3.05	
05 05 23 00-0095 EA 5/8" Diameter x 6" Long, Plain Finish A490 High Strength Structural Bolt.....	24.52	1.59
For>10 To 50, Deduct	-0.67	
For>50 To 100, Deduct	-1.61	
For>100, Deduct	-3.22	
05 05 23 00-0096 EA 3/4" Diameter x 2" Long, Plain Finish A490 High Strength Structural Bolt.....	18.02	1.33
For>10 To 50, Deduct	-0.56	
For>50 To 100, Deduct	-1.29	
For>100, Deduct	-2.57	
05 05 23 00-0097 EA 3/4" Diameter x 4" Long, Plain Finish A490 High Strength Structural Bolt.....	21.99	1.52
For>10 To 50, Deduct	-0.64	
For>50 To 100, Deduct	-1.50	
For>100, Deduct	-3.01	
05 05 23 00-0098 EA 3/4" Diameter x 6" Long, Plain Finish A490 High Strength Structural Bolt.....	25.99	1.59
For>10 To 50, Deduct	-0.67	
For>50 To 100, Deduct	-1.65	
For>100, Deduct	-3.29	
05 05 23 00-0099 EA 3/4" Diameter x 8" Long, Plain Finish A490 High Strength Structural Bolt.....	34.19	1.68
For>10 To 50, Deduct	-0.70	
For>50 To 100, Deduct	-1.90	
For>100, Deduct	-3.81	
05 05 23 00-0100 EA 7/8" Diameter x 2" Long, Plain Finish A490 High Strength Structural Bolt.....	21.13	1.45
For>10 To 50, Deduct	-0.60	
For>50 To 100, Deduct	-1.44	
For>100, Deduct	-2.87	
05 05 23 00-0101 EA 7/8" Diameter x 4" Long, Plain Finish A490 High Strength Structural Bolt.....	24.87	1.59
For>10 To 50, Deduct	-0.66	
For>50 To 100, Deduct	-1.62	
For>100, Deduct	-3.24	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0102 EA 7/8" Diameter x 6" Long, Plain Finish A490 High Strength Structural Bolt.....	37.18	1.68
<i>For &gt;10 To 50, Deduct</i>	-0.70	
<i>For &gt;50 To 100, Deduct</i>	-1.98	
<i>For &gt;100, Deduct</i>	-3.96	
05 05 23 00-0103 EA 1" Diameter x 2" Long, Plain Finish A490 High Strength Structural Bolt.....	25.28	1.51
<i>For &gt;10 To 50, Deduct</i>	-0.63	
<i>For &gt;50 To 100, Deduct</i>	-1.57	
<i>For &gt;100, Deduct</i>	-3.15	
05 05 23 00-0104 EA 1" Diameter x 4" Long, Plain Finish A490 High Strength Structural Bolt.....	30.45	1.68
<i>For &gt;10 To 50, Deduct</i>	-0.70	
<i>For &gt;50 To 100, Deduct</i>	-1.81	
<i>For &gt;100, Deduct</i>	-3.62	
05 05 23 00-0105 EA 1" Diameter x 6" Long, Plain Finish A490 High Strength Structural Bolt.....	35.37	1.76
<i>For &gt;10 To 50, Deduct</i>	-0.74	
<i>For &gt;50 To 100, Deduct</i>	-1.99	
<i>For &gt;100, Deduct</i>	-3.97	
05 05 23 00-0106 EA 1-1/4" Diameter x 3" Long, Plain Finish A490 High Strength Structural Bolt.....	44.88	1.87
<i>For &gt;10 To 50, Deduct</i>	-0.78	
<i>For &gt;50 To 100, Deduct</i>	-2.30	
<i>For &gt;100, Deduct</i>	-4.59	
05 05 23 00-0107 EA 1-1/4" Diameter x 4" Long, Plain Finish A490 High Strength Structural Bolt.....	58.44	2.00
<i>For &gt;10 To 50, Deduct</i>	-0.83	
<i>For &gt;50 To 100, Deduct</i>	-2.71	
<i>For &gt;100, Deduct</i>	-5.41	
05 05 23 00-0108 EA 1-1/4" Diameter x 6" Long, Plain Finish A490 High Strength Structural Bolt.....	61.43	2.14
<i>For &gt;10 To 50, Deduct</i>	-0.89	
<i>For &gt;50 To 100, Deduct</i>	-2.87	
<i>For &gt;100, Deduct</i>	-5.74	
05 05 23 00-0109 EA 1-1/4" Diameter x 8" Long, Plain Finish A490 High Strength Structural Bolt.....	63.98	2.28
<i>For &gt;10 To 50, Deduct</i>	-0.95	
<i>For &gt;50 To 100, Deduct</i>	-3.02	
<i>For &gt;100, Deduct</i>	-6.04	
<b>05 05 23 00-0110 Hex Head Bolts</b> <small>(05 05 23 00-0014)</small>		
<b>05 05 23 00-0111 Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts</b> <small>(05 05 23 00-0110)</small>		
<b>05 05 23 00-0112 1/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts</b> <small>(05 05 23 00-0111)</small>		
05 05 23 00-0113 EA 1/4" Diameter x 1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.44	
<i>For &gt;100 To 250, Deduct</i>	-1.46	
<i>For &gt;250 To 500, Deduct</i>	-1.83	
<i>For &gt;500, Deduct</i>	-2.19	
05 05 23 00-0114 EA 1/4" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.47	
<i>For &gt;100 To 250, Deduct</i>	-1.46	
<i>For &gt;250 To 500, Deduct</i>	-1.83	
<i>For &gt;500, Deduct</i>	-2.19	
05 05 23 00-0115 EA 1/4" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.56	
<i>For &gt;100 To 250, Deduct</i>	-1.46	
<i>For &gt;250 To 500, Deduct</i>	-1.83	
<i>For &gt;500, Deduct</i>	-2.19	
05 05 23 00-0116 EA 1/4" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.61	
<i>For &gt;100 To 250, Deduct</i>	-1.46	
<i>For &gt;250 To 500, Deduct</i>	-1.83	
<i>For &gt;500, Deduct</i>	-2.19	
05 05 23 00-0117 EA 1/4" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.88	
<i>For &gt;100 To 250, Deduct</i>	-1.50	
<i>For &gt;250 To 500, Deduct</i>	-1.88	
<i>For &gt;500, Deduct</i>	-2.26	
05 05 23 00-0118 EA 1/4" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.92	
<i>For &gt;100 To 250, Deduct</i>	-1.50	
<i>For &gt;250 To 500, Deduct</i>	-1.88	
<i>For &gt;500, Deduct</i>	-2.26	
05 05 23 00-0119 EA 1/4" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.06	
<i>For &gt;100 To 250, Deduct</i>	-1.50	
<i>For &gt;250 To 500, Deduct</i>	-1.88	
<i>For &gt;500, Deduct</i>	-2.26	
05 05 23 00-0120 EA 1/4" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.28	
<i>For &gt;100 To 250, Deduct</i>	-1.55	
<i>For &gt;250 To 500, Deduct</i>	-1.93	
<i>For &gt;500, Deduct</i>	-2.32	
05 05 23 00-0121 EA 1/4" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.33	
<i>For &gt;100 To 250, Deduct</i>	-1.55	
<i>For &gt;250 To 500, Deduct</i>	-1.93	
<i>For &gt;500, Deduct</i>	-2.32	
05 05 23 00-0122 EA 1/4" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.55	
<i>For &gt;100 To 250, Deduct</i>	-1.55	
<i>For &gt;250 To 500, Deduct</i>	-1.93	
<i>For &gt;500, Deduct</i>	-2.32	
05 05 23 00-0123 EA 1/4" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.91	
<i>For &gt;100 To 250, Deduct</i>	-1.59	
<i>For &gt;250 To 500, Deduct</i>	-1.98	
<i>For &gt;500, Deduct</i>	-2.38	

**05 Metals****05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0124	EA		1/4" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.07	
			<i>For &gt;100 To 250, Deduct</i>	-1.59	
			<i>For &gt;250 To 500, Deduct</i>	-1.98	
			<i>For &gt;500, Deduct</i>	-2.38	
05 05 23 00-0125	EA		1/4" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.30	
			<i>For &gt;100 To 250, Deduct</i>	-1.59	
			<i>For &gt;250 To 500, Deduct</i>	-1.98	
			<i>For &gt;500, Deduct</i>	-2.38	
05 05 23 00-0126	EA		1/4" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.00	
			<i>For &gt;100 To 250, Deduct</i>	-1.63	
			<i>For &gt;250 To 500, Deduct</i>	-2.04	
			<i>For &gt;500, Deduct</i>	-2.44	
05 05 23 00-0127	EA		1/4" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.35	
			<i>For &gt;100 To 250, Deduct</i>	-1.63	
			<i>For &gt;250 To 500, Deduct</i>	-2.04	
			<i>For &gt;500, Deduct</i>	-2.44	
05 05 23 00-0128	EA		1/4" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.44	
			<i>For &gt;100 To 250, Deduct</i>	-1.63	
			<i>For &gt;250 To 500, Deduct</i>	-2.04	
			<i>For &gt;500, Deduct</i>	-2.44	
<b>05 05 23 00-0129</b>			<b>5/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts</b> <small>(05 05 23 00-0111)</small>		
05 05 23 00-0130	EA		5/16" Diameter x 1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.52	
			<i>For &gt;100 To 250, Deduct</i>	-1.46	
			<i>For &gt;250 To 500, Deduct</i>	-1.83	
			<i>For &gt;500, Deduct</i>	-2.19	
05 05 23 00-0131	EA		5/16" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.55	
			<i>For &gt;100 To 250, Deduct</i>	-1.46	
			<i>For &gt;250 To 500, Deduct</i>	-1.83	
			<i>For &gt;500, Deduct</i>	-2.19	
05 05 23 00-0132	EA		5/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.63	
			<i>For &gt;100 To 250, Deduct</i>	-1.46	
			<i>For &gt;250 To 500, Deduct</i>	-1.83	
			<i>For &gt;500, Deduct</i>	-2.19	
05 05 23 00-0133	EA		5/16" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.69	
			<i>For &gt;100 To 250, Deduct</i>	-1.46	
			<i>For &gt;250 To 500, Deduct</i>	-1.83	
			<i>For &gt;500, Deduct</i>	-2.19	
05 05 23 00-0134	EA		5/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.98	
			<i>For &gt;100 To 250, Deduct</i>	-1.50	
			<i>For &gt;250 To 500, Deduct</i>	-1.88	
			<i>For &gt;500, Deduct</i>	-2.26	
05 05 23 00-0135	EA		5/16" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.13	
			<i>For &gt;100 To 250, Deduct</i>	-1.50	
			<i>For &gt;250 To 500, Deduct</i>	-1.88	
			<i>For &gt;500, Deduct</i>	-2.26	
05 05 23 00-0136	EA		5/16" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.18	
			<i>For &gt;100 To 250, Deduct</i>	-1.50	
			<i>For &gt;250 To 500, Deduct</i>	-1.88	
			<i>For &gt;500, Deduct</i>	-2.26	
05 05 23 00-0137	EA		5/16" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.54	
			<i>For &gt;100 To 250, Deduct</i>	-1.55	
			<i>For &gt;250 To 500, Deduct</i>	-1.93	
			<i>For &gt;500, Deduct</i>	-2.32	
05 05 23 00-0138	EA		5/16" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.75	
			<i>For &gt;100 To 250, Deduct</i>	-1.55	
			<i>For &gt;250 To 500, Deduct</i>	-1.93	
			<i>For &gt;500, Deduct</i>	-2.32	
05 05 23 00-0139	EA		5/16" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.83	
			<i>For &gt;100 To 250, Deduct</i>	-1.55	
			<i>For &gt;250 To 500, Deduct</i>	-1.93	
			<i>For &gt;500, Deduct</i>	-2.32	
05 05 23 00-0140	EA		5/16" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.10	
			<i>For &gt;100 To 250, Deduct</i>	-1.59	
			<i>For &gt;250 To 500, Deduct</i>	-1.98	
			<i>For &gt;500, Deduct</i>	-2.38	
05 05 23 00-0141	EA		5/16" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.18	
			<i>For &gt;100 To 250, Deduct</i>	-1.59	
			<i>For &gt;250 To 500, Deduct</i>	-1.98	
			<i>For &gt;500, Deduct</i>	-2.38	
05 05 23 00-0142	EA		5/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.98	
			<i>For &gt;100 To 250, Deduct</i>	-1.59	
			<i>For &gt;250 To 500, Deduct</i>	-1.98	
			<i>For &gt;500, Deduct</i>	-2.38	
05 05 23 00-0143	EA		5/16" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.58	
			<i>For &gt;100 To 250, Deduct</i>	-1.63	
			<i>For &gt;250 To 500, Deduct</i>	-2.04	
			<i>For &gt;500, Deduct</i>	-2.44	
05 05 23 00-0144	EA		5/16" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.93	
			<i>For &gt;100 To 250, Deduct</i>	-1.63	
			<i>For &gt;250 To 500, Deduct</i>	-2.04	
			<i>For &gt;500, Deduct</i>	-2.44	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0145 EA 5/16" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.25	
<i>For &gt;100 To 250, Deduct</i>	-1.63	
<i>For &gt;250 To 500, Deduct</i>	-2.04	
<i>For &gt;500, Deduct</i>	-2.44	
<b>05 05 23 00-0146 3/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05)</small></b>		
<small>23 00-0111</small>		
05 05 23 00-0147 EA 3/8" Diameter x 1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.62	
<i>For &gt;100 To 250, Deduct</i>	-1.46	
<i>For &gt;250 To 500, Deduct</i>	-1.83	
<i>For &gt;500, Deduct</i>	-2.19	
05 05 23 00-0148 EA 3/8" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.65	
<i>For &gt;100 To 250, Deduct</i>	-1.46	
<i>For &gt;250 To 500, Deduct</i>	-1.83	
<i>For &gt;500, Deduct</i>	-2.19	
05 05 23 00-0149 EA 3/8" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.76	
<i>For &gt;100 To 250, Deduct</i>	-1.46	
<i>For &gt;250 To 500, Deduct</i>	-1.83	
<i>For &gt;500, Deduct</i>	-2.19	
05 05 23 00-0150 EA 3/8" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.86	
<i>For &gt;100 To 250, Deduct</i>	-1.46	
<i>For &gt;250 To 500, Deduct</i>	-1.83	
<i>For &gt;500, Deduct</i>	-2.19	
05 05 23 00-0151 EA 3/8" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.16	
<i>For &gt;100 To 250, Deduct</i>	-1.50	
<i>For &gt;250 To 500, Deduct</i>	-1.88	
<i>For &gt;500, Deduct</i>	-2.26	
05 05 23 00-0152 EA 3/8" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.35	
<i>For &gt;100 To 250, Deduct</i>	-1.50	
<i>For &gt;250 To 500, Deduct</i>	-1.88	
<i>For &gt;500, Deduct</i>	-2.26	
05 05 23 00-0153 EA 3/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.53	
<i>For &gt;100 To 250, Deduct</i>	-1.50	
<i>For &gt;250 To 500, Deduct</i>	-1.88	
<i>For &gt;500, Deduct</i>	-2.26	
05 05 23 00-0154 EA 3/8" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.93	
<i>For &gt;100 To 250, Deduct</i>	-1.55	
<i>For &gt;250 To 500, Deduct</i>	-1.93	
<i>For &gt;500, Deduct</i>	-2.32	
05 05 23 00-0155 EA 3/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.17	
<i>For &gt;100 To 250, Deduct</i>	-1.55	
<i>For &gt;250 To 500, Deduct</i>	-1.93	
<i>For &gt;500, Deduct</i>	-2.32	
05 05 23 00-0156 EA 3/8" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.30	
<i>For &gt;100 To 250, Deduct</i>	-1.55	
<i>For &gt;250 To 500, Deduct</i>	-1.93	
<i>For &gt;500, Deduct</i>	-2.32	
05 05 23 00-0157 EA 3/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.75	
<i>For &gt;100 To 250, Deduct</i>	-1.59	
<i>For &gt;250 To 500, Deduct</i>	-1.98	
<i>For &gt;500, Deduct</i>	-2.38	
05 05 23 00-0158 EA 3/8" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.88	
<i>For &gt;100 To 250, Deduct</i>	-1.59	
<i>For &gt;250 To 500, Deduct</i>	-1.98	
<i>For &gt;500, Deduct</i>	-2.38	
05 05 23 00-0159 EA 3/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.98	
<i>For &gt;100 To 250, Deduct</i>	-1.59	
<i>For &gt;250 To 500, Deduct</i>	-1.98	
<i>For &gt;500, Deduct</i>	-2.38	
05 05 23 00-0160 EA 3/8" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.25	
<i>For &gt;100 To 250, Deduct</i>	-1.63	
<i>For &gt;250 To 500, Deduct</i>	-2.04	
<i>For &gt;500, Deduct</i>	-2.44	
05 05 23 00-0161 EA 3/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.40	
<i>For &gt;100 To 250, Deduct</i>	-1.63	
<i>For &gt;250 To 500, Deduct</i>	-2.04	
<i>For &gt;500, Deduct</i>	-2.44	
05 05 23 00-0162 EA 3/8" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.61	
<i>For &gt;100 To 250, Deduct</i>	-1.63	
<i>For &gt;250 To 500, Deduct</i>	-2.04	
<i>For &gt;500, Deduct</i>	-2.44	
<b>05 05 23 00-0163 7/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05)</small></b>		
<small>23 00-0111</small>		
05 05 23 00-0164 EA 7/16" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.11	
<i>For &gt;100 To 250, Deduct</i>	-1.67	
<i>For &gt;250 To 500, Deduct</i>	-2.09	
<i>For &gt;500, Deduct</i>	-2.51	
05 05 23 00-0165 EA 7/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.26	
<i>For &gt;100 To 250, Deduct</i>	-1.67	
<i>For &gt;250 To 500, Deduct</i>	-2.09	
<i>For &gt;500, Deduct</i>	-2.51	

**05 Metals****05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0166 EA 7/16" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.28	
For >100 To 250, Deduct	-1.67	
For >250 To 500, Deduct	-2.09	
For >500, Deduct	-2.51	
05 05 23 00-0167 EA 7/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.69	
For >100 To 250, Deduct	-1.71	
For >250 To 500, Deduct	-2.14	
For >500, Deduct	-2.57	
05 05 23 00-0168 EA 7/16" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.92	
For >100 To 250, Deduct	-1.71	
For >250 To 500, Deduct	-2.14	
For >500, Deduct	-2.57	
05 05 23 00-0169 EA 7/16" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.10	
For >100 To 250, Deduct	-1.71	
For >250 To 500, Deduct	-2.14	
For >500, Deduct	-2.57	
05 05 23 00-0170 EA 7/16" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.79	
For >100 To 250, Deduct	-1.75	
For >250 To 500, Deduct	-2.19	
For >500, Deduct	-2.63	
05 05 23 00-0171 EA 7/16" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.93	
For >100 To 250, Deduct	-1.75	
For >250 To 500, Deduct	-2.19	
For >500, Deduct	-2.63	
05 05 23 00-0172 EA 7/16" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.20	
For >100 To 250, Deduct	-1.75	
For >250 To 500, Deduct	-2.19	
For >500, Deduct	-2.63	
05 05 23 00-0173 EA 7/16" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.86	
For >100 To 250, Deduct	-1.80	
For >250 To 500, Deduct	-2.25	
For >500, Deduct	-2.69	
05 05 23 00-0174 EA 7/16" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.00	
For >100 To 250, Deduct	-1.80	
For >250 To 500, Deduct	-2.25	
For >500, Deduct	-2.69	
05 05 23 00-0175 EA 7/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.34	
For >100 To 250, Deduct	-1.80	
For >250 To 500, Deduct	-2.25	
For >500, Deduct	-2.69	
05 05 23 00-0176 EA 7/16" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.70	
For >100 To 250, Deduct	-1.84	
For >250 To 500, Deduct	-2.30	
For >500, Deduct	-2.76	
05 05 23 00-0177 EA 7/16" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.01	
For >100 To 250, Deduct	-1.84	
For >250 To 500, Deduct	-2.30	
For >500, Deduct	-2.76	
05 05 23 00-0178 EA 7/16" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.62	
For >100 To 250, Deduct	-1.84	
For >250 To 500, Deduct	-2.30	
For >500, Deduct	-2.76	
<b>05 05 23 00-0179 1/2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts</b> <small>(05 05 23 00-0111)</small>		
05 05 23 00-0180 EA 1/2" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.98	
For >100 To 250, Deduct	-1.67	
For >250 To 500, Deduct	-2.09	
For >500, Deduct	-2.51	
05 05 23 00-0181 EA 1/2" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.16	
For >100 To 250, Deduct	-1.67	
For >250 To 500, Deduct	-2.09	
For >500, Deduct	-2.51	
05 05 23 00-0182 EA 1/2" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.34	
For >100 To 250, Deduct	-1.67	
For >250 To 500, Deduct	-2.09	
For >500, Deduct	-2.51	
05 05 23 00-0183 EA 1/2" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.76	
For >100 To 250, Deduct	-1.71	
For >250 To 500, Deduct	-2.14	
For >500, Deduct	-2.57	
05 05 23 00-0184 EA 1/2" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.94	
For >100 To 250, Deduct	-1.71	
For >250 To 500, Deduct	-2.14	
For >500, Deduct	-2.57	
05 05 23 00-0185 EA 1/2" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.13	
For >100 To 250, Deduct	-1.71	
For >250 To 500, Deduct	-2.14	
For >500, Deduct	-2.57	
05 05 23 00-0186 EA 1/2" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.58	
For >100 To 250, Deduct	-1.75	
For >250 To 500, Deduct	-2.19	
For >500, Deduct	-2.63	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0187 EA 1/2" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.79	
<i>For &gt;100 To 250, Deduct</i>	-1.75	
<i>For &gt;250 To 500, Deduct</i>	-2.19	
<i>For &gt;500, Deduct</i>	-2.63	
05 05 23 00-0188 EA 1/2" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.17	
<i>For &gt;100 To 250, Deduct</i>	-1.75	
<i>For &gt;250 To 500, Deduct</i>	-2.19	
<i>For &gt;500, Deduct</i>	-2.63	
05 05 23 00-0189 EA 1/2" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.44	
<i>For &gt;100 To 250, Deduct</i>	-1.80	
<i>For &gt;250 To 500, Deduct</i>	-2.25	
<i>For &gt;500, Deduct</i>	-2.69	
05 05 23 00-0190 EA 1/2" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.48	
<i>For &gt;100 To 250, Deduct</i>	-1.80	
<i>For &gt;250 To 500, Deduct</i>	-2.25	
<i>For &gt;500, Deduct</i>	-2.69	
05 05 23 00-0191 EA 1/2" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.80	
<i>For &gt;100 To 250, Deduct</i>	-1.80	
<i>For &gt;250 To 500, Deduct</i>	-2.25	
<i>For &gt;500, Deduct</i>	-2.69	
05 05 23 00-0192 EA 1/2" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.30	
<i>For &gt;100 To 250, Deduct</i>	-1.84	
<i>For &gt;250 To 500, Deduct</i>	-2.30	
<i>For &gt;500, Deduct</i>	-2.76	
05 05 23 00-0193 EA 1/2" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.50	
<i>For &gt;100 To 250, Deduct</i>	-1.84	
<i>For &gt;250 To 500, Deduct</i>	-2.30	
<i>For &gt;500, Deduct</i>	-2.76	
05 05 23 00-0194 EA 1/2" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.05	
<i>For &gt;100 To 250, Deduct</i>	-1.84	
<i>For &gt;250 To 500, Deduct</i>	-2.30	
<i>For &gt;500, Deduct</i>	-2.76	
05 05 23 00-0195 EA 1/2" Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.54	
<i>For &gt;100 To 250, Deduct</i>	-1.88	
<i>For &gt;250 To 500, Deduct</i>	-2.35	
<i>For &gt;500, Deduct</i>	-2.82	
05 05 23 00-0196 EA 1/2" Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.74	
<i>For &gt;100 To 250, Deduct</i>	-1.88	
<i>For &gt;250 To 500, Deduct</i>	-2.35	
<i>For &gt;500, Deduct</i>	-2.82	
05 05 23 00-0197 EA 1/2" Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.51	
<i>For &gt;100 To 250, Deduct</i>	-1.88	
<i>For &gt;250 To 500, Deduct</i>	-2.35	
<i>For &gt;500, Deduct</i>	-2.82	
05 05 23 00-0198 EA 1/2" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.73	
<i>For &gt;100 To 250, Deduct</i>	-1.88	
<i>For &gt;250 To 500, Deduct</i>	-2.35	
<i>For &gt;500, Deduct</i>	-2.82	
<b>05 05 23 00-0199 9/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0111)</small></b>		
05 05 23 00-0200 EA 9/16" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.17	
<i>For &gt;100 To 250, Deduct</i>	-1.67	
<i>For &gt;250 To 500, Deduct</i>	-2.09	
<i>For &gt;500, Deduct</i>	-2.51	
05 05 23 00-0201 EA 9/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.42	
<i>For &gt;100 To 250, Deduct</i>	-1.67	
<i>For &gt;250 To 500, Deduct</i>	-2.09	
<i>For &gt;500, Deduct</i>	-2.51	
05 05 23 00-0202 EA 9/16" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.48	
<i>For &gt;100 To 250, Deduct</i>	-1.67	
<i>For &gt;250 To 500, Deduct</i>	-2.09	
<i>For &gt;500, Deduct</i>	-2.51	
05 05 23 00-0203 EA 9/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.50	
<i>For &gt;100 To 250, Deduct</i>	-1.71	
<i>For &gt;250 To 500, Deduct</i>	-2.14	
<i>For &gt;500, Deduct</i>	-2.57	
05 05 23 00-0204 EA 9/16" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.82	
<i>For &gt;100 To 250, Deduct</i>	-1.71	
<i>For &gt;250 To 500, Deduct</i>	-2.14	
<i>For &gt;500, Deduct</i>	-2.57	
05 05 23 00-0205 EA 9/16" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.93	
<i>For &gt;100 To 250, Deduct</i>	-1.71	
<i>For &gt;250 To 500, Deduct</i>	-2.14	
<i>For &gt;500, Deduct</i>	-2.57	
05 05 23 00-0206 EA 9/16" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.17	
<i>For &gt;100 To 250, Deduct</i>	-1.75	
<i>For &gt;250 To 500, Deduct</i>	-2.19	
<i>For &gt;500, Deduct</i>	-2.63	
05 05 23 00-0207 EA 9/16" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.25	
<i>For &gt;100 To 250, Deduct</i>	-1.75	
<i>For &gt;250 To 500, Deduct</i>	-2.19	
<i>For &gt;500, Deduct</i>	-2.63	

**05 Metals****05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0208	EA		9/16" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.52	
			<i>For &gt;100 To 250, Deduct</i>	-1.75	
			<i>For &gt;250 To 500, Deduct</i>	-2.19	
			<i>For &gt;500, Deduct</i>	-2.63	
05 05 23 00-0209	EA		9/16" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.80	
			<i>For &gt;100 To 250, Deduct</i>	-1.80	
			<i>For &gt;250 To 500, Deduct</i>	-2.25	
			<i>For &gt;500, Deduct</i>	-2.69	
05 05 23 00-0210	EA		9/16" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.88	
			<i>For &gt;100 To 250, Deduct</i>	-1.80	
			<i>For &gt;250 To 500, Deduct</i>	-2.25	
			<i>For &gt;500, Deduct</i>	-2.69	
05 05 23 00-0211	EA		9/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.12	
			<i>For &gt;100 To 250, Deduct</i>	-1.80	
			<i>For &gt;250 To 500, Deduct</i>	-2.25	
			<i>For &gt;500, Deduct</i>	-2.69	
05 05 23 00-0212	EA		9/16" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.59	
			<i>For &gt;100 To 250, Deduct</i>	-1.84	
			<i>For &gt;250 To 500, Deduct</i>	-2.30	
			<i>For &gt;500, Deduct</i>	-2.76	
05 05 23 00-0213	EA		9/16" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.88	
			<i>For &gt;100 To 250, Deduct</i>	-1.84	
			<i>For &gt;250 To 500, Deduct</i>	-2.30	
			<i>For &gt;500, Deduct</i>	-2.76	
05 05 23 00-0214	EA		9/16" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.17	
			<i>For &gt;100 To 250, Deduct</i>	-1.84	
			<i>For &gt;250 To 500, Deduct</i>	-2.30	
			<i>For &gt;500, Deduct</i>	-2.76	
05 05 23 00-0215	EA		9/16" Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.64	
			<i>For &gt;100 To 250, Deduct</i>	-1.88	
			<i>For &gt;250 To 500, Deduct</i>	-2.35	
			<i>For &gt;500, Deduct</i>	-2.82	
05 05 23 00-0216	EA		9/16" Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.98	
			<i>For &gt;100 To 250, Deduct</i>	-1.88	
			<i>For &gt;250 To 500, Deduct</i>	-2.35	
			<i>For &gt;500, Deduct</i>	-2.82	
05 05 23 00-0217	EA		9/16" Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.21	
			<i>For &gt;100 To 250, Deduct</i>	-1.88	
			<i>For &gt;250 To 500, Deduct</i>	-2.35	
			<i>For &gt;500, Deduct</i>	-2.82	
05 05 23 00-0218	EA		9/16" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.56	
			<i>For &gt;100 To 250, Deduct</i>	-1.88	
			<i>For &gt;250 To 500, Deduct</i>	-2.35	
			<i>For &gt;500, Deduct</i>	-2.82	
05 05 23 00-0219			<b>5/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts</b> <small>(05 05 23 00-0111)</small>		
05 05 23 00-0220	EA		5/8" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.76	
			<i>For &gt;100 To 250, Deduct</i>	-1.88	
			<i>For &gt;250 To 500, Deduct</i>	-2.35	
			<i>For &gt;500, Deduct</i>	-2.82	
05 05 23 00-0221	EA		5/8" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.93	
			<i>For &gt;100 To 250, Deduct</i>	-1.88	
			<i>For &gt;250 To 500, Deduct</i>	-2.35	
			<i>For &gt;500, Deduct</i>	-2.82	
05 05 23 00-0222	EA		5/8" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.14	
			<i>For &gt;100 To 250, Deduct</i>	-1.88	
			<i>For &gt;250 To 500, Deduct</i>	-2.35	
			<i>For &gt;500, Deduct</i>	-2.82	
05 05 23 00-0223	EA		5/8" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.63	
			<i>For &gt;100 To 250, Deduct</i>	-1.92	
			<i>For &gt;250 To 500, Deduct</i>	-2.40	
			<i>For &gt;500, Deduct</i>	-2.88	
05 05 23 00-0224	EA		5/8" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.95	
			<i>For &gt;100 To 250, Deduct</i>	-1.92	
			<i>For &gt;250 To 500, Deduct</i>	-2.40	
			<i>For &gt;500, Deduct</i>	-2.88	
05 05 23 00-0225	EA		5/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.35	
			<i>For &gt;100 To 250, Deduct</i>	-1.92	
			<i>For &gt;250 To 500, Deduct</i>	-2.40	
			<i>For &gt;500, Deduct</i>	-2.88	
05 05 23 00-0226	EA		5/8" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.06	
			<i>For &gt;100 To 250, Deduct</i>	-1.96	
			<i>For &gt;250 To 500, Deduct</i>	-2.45	
			<i>For &gt;500, Deduct</i>	-2.94	
05 05 23 00-0227	EA		5/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.67	
			<i>For &gt;100 To 250, Deduct</i>	-1.96	
			<i>For &gt;250 To 500, Deduct</i>	-2.45	
			<i>For &gt;500, Deduct</i>	-2.94	
05 05 23 00-0228	EA		5/8" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.15	
			<i>For &gt;100 To 250, Deduct</i>	-1.96	
			<i>For &gt;250 To 500, Deduct</i>	-2.45	
			<i>For &gt;500, Deduct</i>	-2.94	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0229 EA 5/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.55	
<i>For &gt;100 To 250, Deduct</i>	-2.00	
<i>For &gt;250 To 500, Deduct</i>	-2.51	
<i>For &gt;500, Deduct</i>	-3.01	
05 05 23 00-0230 EA 5/8" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.61	
<i>For &gt;100 To 250, Deduct</i>	-2.00	
<i>For &gt;250 To 500, Deduct</i>	-2.51	
<i>For &gt;500, Deduct</i>	-3.01	
05 05 23 00-0231 EA 5/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.42	
<i>For &gt;100 To 250, Deduct</i>	-2.00	
<i>For &gt;250 To 500, Deduct</i>	-2.51	
<i>For &gt;500, Deduct</i>	-3.01	
05 05 23 00-0232 EA 5/8" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	16.09	
<i>For &gt;100 To 250, Deduct</i>	-2.05	
<i>For &gt;250 To 500, Deduct</i>	-2.56	
<i>For &gt;500, Deduct</i>	-3.07	
05 05 23 00-0233 EA 5/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	16.73	
<i>For &gt;100 To 250, Deduct</i>	-2.05	
<i>For &gt;250 To 500, Deduct</i>	-2.56	
<i>For &gt;500, Deduct</i>	-3.07	
05 05 23 00-0234 EA 5/8" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	17.48	
<i>For &gt;100 To 250, Deduct</i>	-2.05	
<i>For &gt;250 To 500, Deduct</i>	-2.56	
<i>For &gt;500, Deduct</i>	-3.07	
05 05 23 00-0235 EA 5/8" Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	18.49	
<i>For &gt;100 To 250, Deduct</i>	-2.09	
<i>For &gt;250 To 500, Deduct</i>	-2.61	
<i>For &gt;500, Deduct</i>	-3.13	
05 05 23 00-0236 EA 5/8" Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	19.22	
<i>For &gt;100 To 250, Deduct</i>	-2.09	
<i>For &gt;250 To 500, Deduct</i>	-2.61	
<i>For &gt;500, Deduct</i>	-3.13	
05 05 23 00-0237 EA 5/8" Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	19.97	
<i>For &gt;100 To 250, Deduct</i>	-2.09	
<i>For &gt;250 To 500, Deduct</i>	-2.61	
<i>For &gt;500, Deduct</i>	-3.13	
05 05 23 00-0238 EA 5/8" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	20.55	
<i>For &gt;100 To 250, Deduct</i>	-2.09	
<i>For &gt;250 To 500, Deduct</i>	-2.61	
<i>For &gt;500, Deduct</i>	-3.13	
05 05 23 00-0239 3/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0111)</small>		
05 05 23 00-0240 EA 3/4" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.31	
<i>For &gt;100 To 250, Deduct</i>	-1.88	
<i>For &gt;250 To 500, Deduct</i>	-2.35	
<i>For &gt;500, Deduct</i>	-2.82	
05 05 23 00-0241 EA 3/4" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.64	
<i>For &gt;100 To 250, Deduct</i>	-1.88	
<i>For &gt;250 To 500, Deduct</i>	-2.35	
<i>For &gt;500, Deduct</i>	-2.82	
05 05 23 00-0242 EA 3/4" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.95	
<i>For &gt;100 To 250, Deduct</i>	-1.88	
<i>For &gt;250 To 500, Deduct</i>	-2.35	
<i>For &gt;500, Deduct</i>	-2.82	
05 05 23 00-0243 EA 3/4" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.53	
<i>For &gt;100 To 250, Deduct</i>	-1.92	
<i>For &gt;250 To 500, Deduct</i>	-2.40	
<i>For &gt;500, Deduct</i>	-2.88	
05 05 23 00-0244 EA 3/4" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.00	
<i>For &gt;100 To 250, Deduct</i>	-1.92	
<i>For &gt;250 To 500, Deduct</i>	-2.40	
<i>For &gt;500, Deduct</i>	-2.88	
05 05 23 00-0245 EA 3/4" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.42	
<i>For &gt;100 To 250, Deduct</i>	-1.92	
<i>For &gt;250 To 500, Deduct</i>	-2.40	
<i>For &gt;500, Deduct</i>	-2.88	
05 05 23 00-0246 EA 3/4" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.08	
<i>For &gt;100 To 250, Deduct</i>	-1.96	
<i>For &gt;250 To 500, Deduct</i>	-2.45	
<i>For &gt;500, Deduct</i>	-2.94	
05 05 23 00-0247 EA 3/4" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.66	
<i>For &gt;100 To 250, Deduct</i>	-1.96	
<i>For &gt;250 To 500, Deduct</i>	-2.45	
<i>For &gt;500, Deduct</i>	-2.94	
05 05 23 00-0248 EA 3/4" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.12	
<i>For &gt;100 To 250, Deduct</i>	-1.96	
<i>For &gt;250 To 500, Deduct</i>	-2.45	
<i>For &gt;500, Deduct</i>	-2.94	
05 05 23 00-0249 EA 3/4" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	16.28	
<i>For &gt;100 To 250, Deduct</i>	-2.00	
<i>For &gt;250 To 500, Deduct</i>	-2.51	
<i>For &gt;500, Deduct</i>	-3.01	

**05 Metals****05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0250	EA		3/4" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	16.66	
			<i>For &gt;100 To 250, Deduct</i>	-2.00	
			<i>For &gt;250 To 500, Deduct</i>	-2.51	
			<i>For &gt;500, Deduct</i>	-3.01	
05 05 23 00-0251	EA		3/4" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	17.38	
			<i>For &gt;100 To 250, Deduct</i>	-2.00	
			<i>For &gt;250 To 500, Deduct</i>	-2.51	
			<i>For &gt;500, Deduct</i>	-3.01	
05 05 23 00-0252	EA		3/4" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	17.63	
			<i>For &gt;100 To 250, Deduct</i>	-2.05	
			<i>For &gt;250 To 500, Deduct</i>	-2.56	
			<i>For &gt;500, Deduct</i>	-3.07	
05 05 23 00-0253	EA		3/4" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	19.31	
			<i>For &gt;100 To 250, Deduct</i>	-2.05	
			<i>For &gt;250 To 500, Deduct</i>	-2.56	
			<i>For &gt;500, Deduct</i>	-3.07	
05 05 23 00-0254	EA		3/4" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	20.09	
			<i>For &gt;100 To 250, Deduct</i>	-2.05	
			<i>For &gt;250 To 500, Deduct</i>	-2.56	
			<i>For &gt;500, Deduct</i>	-3.07	
05 05 23 00-0255	EA		3/4" Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	21.31	
			<i>For &gt;100 To 250, Deduct</i>	-2.09	
			<i>For &gt;250 To 500, Deduct</i>	-2.61	
			<i>For &gt;500, Deduct</i>	-3.13	
05 05 23 00-0256	EA		3/4" Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	22.09	
			<i>For &gt;100 To 250, Deduct</i>	-2.09	
			<i>For &gt;250 To 500, Deduct</i>	-2.61	
			<i>For &gt;500, Deduct</i>	-3.13	
05 05 23 00-0257	EA		3/4" Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	23.13	
			<i>For &gt;100 To 250, Deduct</i>	-2.09	
			<i>For &gt;250 To 500, Deduct</i>	-2.61	
			<i>For &gt;500, Deduct</i>	-3.13	
05 05 23 00-0258	EA		3/4" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	24.14	
			<i>For &gt;100 To 250, Deduct</i>	-2.09	
			<i>For &gt;250 To 500, Deduct</i>	-2.61	
			<i>For &gt;500, Deduct</i>	-3.13	
<b>05 05 23 00-0259</b>			<b>7/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts</b> <small>(05 05 23 00-0111)</small>		
05 05 23 00-0260	EA		7/8" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.09	
			<i>For &gt;100 To 250, Deduct</i>	-2.09	
			<i>For &gt;250 To 500, Deduct</i>	-2.61	
			<i>For &gt;500, Deduct</i>	-3.13	
05 05 23 00-0261	EA		7/8" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.37	
			<i>For &gt;100 To 250, Deduct</i>	-2.09	
			<i>For &gt;250 To 500, Deduct</i>	-2.61	
			<i>For &gt;500, Deduct</i>	-3.13	
05 05 23 00-0262	EA		7/8" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.51	
			<i>For &gt;100 To 250, Deduct</i>	-2.09	
			<i>For &gt;250 To 500, Deduct</i>	-2.61	
			<i>For &gt;500, Deduct</i>	-3.13	
05 05 23 00-0263	EA		7/8" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.11	
			<i>For &gt;100 To 250, Deduct</i>	-2.13	
			<i>For &gt;250 To 500, Deduct</i>	-2.66	
			<i>For &gt;500, Deduct</i>	-3.20	
05 05 23 00-0264	EA		7/8" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.87	
			<i>For &gt;100 To 250, Deduct</i>	-2.13	
			<i>For &gt;250 To 500, Deduct</i>	-2.66	
			<i>For &gt;500, Deduct</i>	-3.20	
05 05 23 00-0265	EA		7/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	16.76	
			<i>For &gt;100 To 250, Deduct</i>	-2.13	
			<i>For &gt;250 To 500, Deduct</i>	-2.66	
			<i>For &gt;500, Deduct</i>	-3.20	
05 05 23 00-0266	EA		7/8" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	17.71	
			<i>For &gt;100 To 250, Deduct</i>	-2.17	
			<i>For &gt;250 To 500, Deduct</i>	-2.72	
			<i>For &gt;500, Deduct</i>	-3.26	
05 05 23 00-0267	EA		7/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	19.01	
			<i>For &gt;100 To 250, Deduct</i>	-2.17	
			<i>For &gt;250 To 500, Deduct</i>	-2.72	
			<i>For &gt;500, Deduct</i>	-3.26	
05 05 23 00-0268	EA		7/8" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	19.73	
			<i>For &gt;100 To 250, Deduct</i>	-2.17	
			<i>For &gt;250 To 500, Deduct</i>	-2.72	
			<i>For &gt;500, Deduct</i>	-3.26	
05 05 23 00-0269	EA		7/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	20.50	
			<i>For &gt;100 To 250, Deduct</i>	-2.21	
			<i>For &gt;250 To 500, Deduct</i>	-2.77	
			<i>For &gt;500, Deduct</i>	-3.32	
05 05 23 00-0270	EA		7/8" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	20.93	
			<i>For &gt;100 To 250, Deduct</i>	-2.21	
			<i>For &gt;250 To 500, Deduct</i>	-2.77	
			<i>For &gt;500, Deduct</i>	-3.32	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0271 EA 7/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	21.95	
<i>For &gt;100 To 250, Deduct</i>	-2.21	
<i>For &gt;250 To 500, Deduct</i>	-2.77	
<i>For &gt;500, Deduct</i>	-3.32	
05 05 23 00-0272 EA 7/8" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	23.18	
<i>For &gt;100 To 250, Deduct</i>	-2.25	
<i>For &gt;250 To 500, Deduct</i>	-2.82	
<i>For &gt;500, Deduct</i>	-3.38	
05 05 23 00-0273 EA 7/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	24.21	
<i>For &gt;100 To 250, Deduct</i>	-2.25	
<i>For &gt;250 To 500, Deduct</i>	-2.82	
<i>For &gt;500, Deduct</i>	-3.38	
05 05 23 00-0274 EA 7/8" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	25.24	
<i>For &gt;100 To 250, Deduct</i>	-2.25	
<i>For &gt;250 To 500, Deduct</i>	-2.82	
<i>For &gt;500, Deduct</i>	-3.38	
05 05 23 00-0275 EA 7/8" Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	26.41	
<i>For &gt;100 To 250, Deduct</i>	-2.30	
<i>For &gt;250 To 500, Deduct</i>	-2.87	
<i>For &gt;500, Deduct</i>	-3.44	
05 05 23 00-0276 EA 7/8" Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	27.49	
<i>For &gt;100 To 250, Deduct</i>	-2.30	
<i>For &gt;250 To 500, Deduct</i>	-2.87	
<i>For &gt;500, Deduct</i>	-3.44	
05 05 23 00-0277 EA 7/8" Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	28.48	
<i>For &gt;100 To 250, Deduct</i>	-2.30	
<i>For &gt;250 To 500, Deduct</i>	-2.87	
<i>For &gt;500, Deduct</i>	-3.44	
05 05 23 00-0278 EA 7/8" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	29.55	
<i>For &gt;100 To 250, Deduct</i>	-2.30	
<i>For &gt;250 To 500, Deduct</i>	-2.87	
<i>For &gt;500, Deduct</i>	-3.44	
<b>05 05 23 00-0279 1" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts</b> <small>(05 05 23 00-0111)</small>		
05 05 23 00-0280 EA 1" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.35	
<i>For &gt;100 To 250, Deduct</i>	-2.09	
<i>For &gt;250 To 500, Deduct</i>	-2.61	
<i>For &gt;500, Deduct</i>	-3.13	
05 05 23 00-0281 EA 1" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	17.22	
<i>For &gt;100 To 250, Deduct</i>	-2.09	
<i>For &gt;250 To 500, Deduct</i>	-2.61	
<i>For &gt;500, Deduct</i>	-3.13	
05 05 23 00-0282 EA 1" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	18.62	
<i>For &gt;100 To 250, Deduct</i>	-2.13	
<i>For &gt;250 To 500, Deduct</i>	-2.66	
<i>For &gt;500, Deduct</i>	-3.20	
05 05 23 00-0283 EA 1" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	20.10	
<i>For &gt;100 To 250, Deduct</i>	-2.13	
<i>For &gt;250 To 500, Deduct</i>	-2.66	
<i>For &gt;500, Deduct</i>	-3.20	
05 05 23 00-0284 EA 1" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	21.44	
<i>For &gt;100 To 250, Deduct</i>	-2.13	
<i>For &gt;250 To 500, Deduct</i>	-2.66	
<i>For &gt;500, Deduct</i>	-3.20	
05 05 23 00-0285 EA 1" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	23.04	
<i>For &gt;100 To 250, Deduct</i>	-2.17	
<i>For &gt;250 To 500, Deduct</i>	-2.72	
<i>For &gt;500, Deduct</i>	-3.26	
05 05 23 00-0286 EA 1" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	24.34	
<i>For &gt;100 To 250, Deduct</i>	-2.17	
<i>For &gt;250 To 500, Deduct</i>	-2.72	
<i>For &gt;500, Deduct</i>	-3.26	
05 05 23 00-0287 EA 1" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	25.68	
<i>For &gt;100 To 250, Deduct</i>	-2.17	
<i>For &gt;250 To 500, Deduct</i>	-2.72	
<i>For &gt;500, Deduct</i>	-3.26	
05 05 23 00-0288 EA 1" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	26.56	
<i>For &gt;100 To 250, Deduct</i>	-2.21	
<i>For &gt;250 To 500, Deduct</i>	-2.77	
<i>For &gt;500, Deduct</i>	-3.32	
05 05 23 00-0289 EA 1" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	27.20	
<i>For &gt;100 To 250, Deduct</i>	-2.21	
<i>For &gt;250 To 500, Deduct</i>	-2.77	
<i>For &gt;500, Deduct</i>	-3.32	
05 05 23 00-0290 EA 1" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	28.33	
<i>For &gt;100 To 250, Deduct</i>	-2.21	
<i>For &gt;250 To 500, Deduct</i>	-2.77	
<i>For &gt;500, Deduct</i>	-3.32	
05 05 23 00-0291 EA 1" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	29.66	
<i>For &gt;100 To 250, Deduct</i>	-2.25	
<i>For &gt;250 To 500, Deduct</i>	-2.82	
<i>For &gt;500, Deduct</i>	-3.38	

**05 Metals****05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0292 EA 1" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	30.78	
For>100 To 250, Deduct	-2.25	
For>250 To 500, Deduct	-2.82	
For>500, Deduct	-3.38	
05 05 23 00-0293 EA 1" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	31.94	
For>100 To 250, Deduct	-2.25	
For>250 To 500, Deduct	-2.82	
For>500, Deduct	-3.38	
05 05 23 00-0294 EA 1" Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	33.08	
For>100 To 250, Deduct	-2.30	
For>250 To 500, Deduct	-2.87	
For>500, Deduct	-3.44	
05 05 23 00-0295 EA 1" Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	34.39	
For>100 To 250, Deduct	-2.30	
For>250 To 500, Deduct	-2.87	
For>500, Deduct	-3.44	
05 05 23 00-0296 EA 1" Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	35.55	
For>100 To 250, Deduct	-2.30	
For>250 To 500, Deduct	-2.87	
For>500, Deduct	-3.44	
05 05 23 00-0297 EA 1" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	36.73	
For>100 To 250, Deduct	-2.30	
For>250 To 500, Deduct	-2.87	
For>500, Deduct	-3.44	
<b>05 05 23 00-0298 Zinc Plated Steel, Grade 5, Hex Head Bolts (05 05 23 00-0110)</b>		
<b>05 05 23 00-0299 1/4" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts (05 05 23 00-0298)</b>		
05 05 23 00-0300 EA 1/4" Diameter x 1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	7.50	
For>100 To 250, Deduct	-1.46	
For>250 To 500, Deduct	-1.83	
For>500, Deduct	-2.19	
05 05 23 00-0301 EA 1/4" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	7.56	
For>100 To 250, Deduct	-1.46	
For>250 To 500, Deduct	-1.83	
For>500, Deduct	-2.19	
05 05 23 00-0302 EA 1/4" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	7.61	
For>100 To 250, Deduct	-1.46	
For>250 To 500, Deduct	-1.83	
For>500, Deduct	-2.19	
05 05 23 00-0303 EA 1/4" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	7.71	
For>100 To 250, Deduct	-1.46	
For>250 To 500, Deduct	-1.83	
For>500, Deduct	-2.19	
05 05 23 00-0304 EA 1/4" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	8.02	
For>100 To 250, Deduct	-1.50	
For>250 To 500, Deduct	-1.88	
For>500, Deduct	-2.26	
05 05 23 00-0305 EA 1/4" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	8.20	
For>100 To 250, Deduct	-1.50	
For>250 To 500, Deduct	-1.88	
For>500, Deduct	-2.26	
05 05 23 00-0306 EA 1/4" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	8.39	
For>100 To 250, Deduct	-1.50	
For>250 To 500, Deduct	-1.88	
For>500, Deduct	-2.26	
05 05 23 00-0307 EA 1/4" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	8.75	
For>100 To 250, Deduct	-1.55	
For>250 To 500, Deduct	-1.93	
For>500, Deduct	-2.32	
05 05 23 00-0308 EA 1/4" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	8.99	
For>100 To 250, Deduct	-1.55	
For>250 To 500, Deduct	-1.93	
For>500, Deduct	-2.32	
05 05 23 00-0309 EA 1/4" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	9.15	
For>100 To 250, Deduct	-1.55	
For>250 To 500, Deduct	-1.93	
For>500, Deduct	-2.32	
05 05 23 00-0310 EA 1/4" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	9.52	
For>100 To 250, Deduct	-1.59	
For>250 To 500, Deduct	-1.98	
For>500, Deduct	-2.38	
05 05 23 00-0311 EA 1/4" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	9.67	
For>100 To 250, Deduct	-1.59	
For>250 To 500, Deduct	-1.98	
For>500, Deduct	-2.38	
05 05 23 00-0312 EA 1/4" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	9.82	
For>100 To 250, Deduct	-1.59	
For>250 To 500, Deduct	-1.98	
For>500, Deduct	-2.38	
05 05 23 00-0313 EA 1/4" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	10.23	
For>100 To 250, Deduct	-1.63	
For>250 To 500, Deduct	-2.04	
For>500, Deduct	-2.44	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0314 EA 1/4" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	10.44	
<i>For &gt;100 To 250, Deduct</i>	-1.63	
<i>For &gt;250 To 500, Deduct</i>	-2.04	
<i>For &gt;500, Deduct</i>	-2.44	
05 05 23 00-0315 EA 1/4" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	10.66	
<i>For &gt;100 To 250, Deduct</i>	-1.63	
<i>For &gt;250 To 500, Deduct</i>	-2.04	
<i>For &gt;500, Deduct</i>	-2.44	
<b>05 05 23 00-0316 5/16" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts</b> <small>(05 05 23 00-0298)</small>		
05 05 23 00-0317 EA 5/16" Diameter x 1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	7.62	
<i>For &gt;100 To 250, Deduct</i>	-1.46	
<i>For &gt;250 To 500, Deduct</i>	-1.83	
<i>For &gt;500, Deduct</i>	-2.19	
05 05 23 00-0318 EA 5/16" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	7.66	
<i>For &gt;100 To 250, Deduct</i>	-1.46	
<i>For &gt;250 To 500, Deduct</i>	-1.83	
<i>For &gt;500, Deduct</i>	-2.19	
05 05 23 00-0319 EA 5/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	7.73	
<i>For &gt;100 To 250, Deduct</i>	-1.46	
<i>For &gt;250 To 500, Deduct</i>	-1.83	
<i>For &gt;500, Deduct</i>	-2.19	
05 05 23 00-0320 EA 5/16" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	7.87	
<i>For &gt;100 To 250, Deduct</i>	-1.46	
<i>For &gt;250 To 500, Deduct</i>	-1.83	
<i>For &gt;500, Deduct</i>	-2.19	
05 05 23 00-0321 EA 5/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	8.18	
<i>For &gt;100 To 250, Deduct</i>	-1.50	
<i>For &gt;250 To 500, Deduct</i>	-1.88	
<i>For &gt;500, Deduct</i>	-2.26	
05 05 23 00-0322 EA 5/16" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	8.35	
<i>For &gt;100 To 250, Deduct</i>	-1.50	
<i>For &gt;250 To 500, Deduct</i>	-1.88	
<i>For &gt;500, Deduct</i>	-2.26	
05 05 23 00-0323 EA 5/16" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	8.64	
<i>For &gt;100 To 250, Deduct</i>	-1.50	
<i>For &gt;250 To 500, Deduct</i>	-1.88	
<i>For &gt;500, Deduct</i>	-2.26	
05 05 23 00-0324 EA 5/16" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	9.00	
<i>For &gt;100 To 250, Deduct</i>	-1.55	
<i>For &gt;250 To 500, Deduct</i>	-1.93	
<i>For &gt;500, Deduct</i>	-2.32	
05 05 23 00-0325 EA 5/16" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	9.24	
<i>For &gt;100 To 250, Deduct</i>	-1.55	
<i>For &gt;250 To 500, Deduct</i>	-1.93	
<i>For &gt;500, Deduct</i>	-2.32	
05 05 23 00-0326 EA 5/16" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	9.45	
<i>For &gt;100 To 250, Deduct</i>	-1.55	
<i>For &gt;250 To 500, Deduct</i>	-1.93	
<i>For &gt;500, Deduct</i>	-2.32	
05 05 23 00-0327 EA 5/16" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	10.08	
<i>For &gt;100 To 250, Deduct</i>	-1.59	
<i>For &gt;250 To 500, Deduct</i>	-1.98	
<i>For &gt;500, Deduct</i>	-2.38	
05 05 23 00-0328 EA 5/16" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	10.16	
<i>For &gt;100 To 250, Deduct</i>	-1.59	
<i>For &gt;250 To 500, Deduct</i>	-1.98	
<i>For &gt;500, Deduct</i>	-2.38	
05 05 23 00-0329 EA 5/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	10.45	
<i>For &gt;100 To 250, Deduct</i>	-1.59	
<i>For &gt;250 To 500, Deduct</i>	-1.98	
<i>For &gt;500, Deduct</i>	-2.38	
05 05 23 00-0330 EA 5/16" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	11.04	
<i>For &gt;100 To 250, Deduct</i>	-1.63	
<i>For &gt;250 To 500, Deduct</i>	-2.04	
<i>For &gt;500, Deduct</i>	-2.44	
05 05 23 00-0331 EA 5/16" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	11.44	
<i>For &gt;100 To 250, Deduct</i>	-1.63	
<i>For &gt;250 To 500, Deduct</i>	-2.04	
<i>For &gt;500, Deduct</i>	-2.44	
05 05 23 00-0332 EA 5/16" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	11.82	
<i>For &gt;100 To 250, Deduct</i>	-1.63	
<i>For &gt;250 To 500, Deduct</i>	-2.04	
<i>For &gt;500, Deduct</i>	-2.44	
<b>05 05 23 00-0333 3/8" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts</b> <small>(05 05 23 00-0298)</small>		
05 05 23 00-0334 EA 3/8" Diameter x 1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	7.68	
<i>For &gt;100 To 250, Deduct</i>	-1.46	
<i>For &gt;250 To 500, Deduct</i>	-1.83	
<i>For &gt;500, Deduct</i>	-2.19	

**05 Metals****05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0335	EA	3/8" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	7.72	
		<i>For &gt;100 To 250, Deduct</i>	-1.46	
		<i>For &gt;250 To 500, Deduct</i>	-1.83	
		<i>For &gt;500, Deduct</i>	-2.19	
05 05 23 00-0336	EA	3/8" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	7.85	
		<i>For &gt;100 To 250, Deduct</i>	-1.46	
		<i>For &gt;250 To 500, Deduct</i>	-1.83	
		<i>For &gt;500, Deduct</i>	-2.19	
05 05 23 00-0337	EA	3/8" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	7.99	
		<i>For &gt;100 To 250, Deduct</i>	-1.46	
		<i>For &gt;250 To 500, Deduct</i>	-1.83	
		<i>For &gt;500, Deduct</i>	-2.19	
05 05 23 00-0338	EA	3/8" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	8.36	
		<i>For &gt;100 To 250, Deduct</i>	-1.50	
		<i>For &gt;250 To 500, Deduct</i>	-1.88	
		<i>For &gt;500, Deduct</i>	-2.26	
05 05 23 00-0339	EA	3/8" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	8.52	
		<i>For &gt;100 To 250, Deduct</i>	-1.50	
		<i>For &gt;250 To 500, Deduct</i>	-1.88	
		<i>For &gt;500, Deduct</i>	-2.26	
05 05 23 00-0340	EA	3/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	8.78	
		<i>For &gt;100 To 250, Deduct</i>	-1.50	
		<i>For &gt;250 To 500, Deduct</i>	-1.88	
		<i>For &gt;500, Deduct</i>	-2.26	
05 05 23 00-0341	EA	3/8" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	9.27	
		<i>For &gt;100 To 250, Deduct</i>	-1.55	
		<i>For &gt;250 To 500, Deduct</i>	-1.93	
		<i>For &gt;500, Deduct</i>	-2.32	
05 05 23 00-0342	EA	3/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	9.88	
		<i>For &gt;100 To 250, Deduct</i>	-1.55	
		<i>For &gt;250 To 500, Deduct</i>	-1.93	
		<i>For &gt;500, Deduct</i>	-2.32	
05 05 23 00-0343	EA	3/8" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	10.16	
		<i>For &gt;100 To 250, Deduct</i>	-1.55	
		<i>For &gt;250 To 500, Deduct</i>	-1.93	
		<i>For &gt;500, Deduct</i>	-2.32	
05 05 23 00-0344	EA	3/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	10.72	
		<i>For &gt;100 To 250, Deduct</i>	-1.59	
		<i>For &gt;250 To 500, Deduct</i>	-1.98	
		<i>For &gt;500, Deduct</i>	-2.38	
05 05 23 00-0345	EA	3/8" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	10.98	
		<i>For &gt;100 To 250, Deduct</i>	-1.59	
		<i>For &gt;250 To 500, Deduct</i>	-1.98	
		<i>For &gt;500, Deduct</i>	-2.38	
05 05 23 00-0346	EA	3/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	11.44	
		<i>For &gt;100 To 250, Deduct</i>	-1.59	
		<i>For &gt;250 To 500, Deduct</i>	-1.98	
		<i>For &gt;500, Deduct</i>	-2.38	
05 05 23 00-0347	EA	3/8" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	11.99	
		<i>For &gt;100 To 250, Deduct</i>	-1.63	
		<i>For &gt;250 To 500, Deduct</i>	-2.04	
		<i>For &gt;500, Deduct</i>	-2.44	
05 05 23 00-0348	EA	3/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	12.60	
		<i>For &gt;100 To 250, Deduct</i>	-1.63	
		<i>For &gt;250 To 500, Deduct</i>	-2.04	
		<i>For &gt;500, Deduct</i>	-2.44	
05 05 23 00-0349	EA	3/8" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	13.09	
		<i>For &gt;100 To 250, Deduct</i>	-1.63	
		<i>For &gt;250 To 500, Deduct</i>	-2.04	
		<i>For &gt;500, Deduct</i>	-2.44	
05 05 23 00-0350		<b>7/16" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts</b> <small>(05 05 23 00-0298)</small> .....	9.00	
05 05 23 00-0351	EA	7/16" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	9.00	
		<i>For &gt;100 To 250, Deduct</i>	-1.67	
		<i>For &gt;250 To 500, Deduct</i>	-2.09	
		<i>For &gt;500, Deduct</i>	-2.51	
05 05 23 00-0352	EA	7/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	9.12	
		<i>For &gt;100 To 250, Deduct</i>	-1.67	
		<i>For &gt;250 To 500, Deduct</i>	-2.09	
		<i>For &gt;500, Deduct</i>	-2.51	
05 05 23 00-0353	EA	7/16" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	9.44	
		<i>For &gt;100 To 250, Deduct</i>	-1.67	
		<i>For &gt;250 To 500, Deduct</i>	-2.09	
		<i>For &gt;500, Deduct</i>	-2.51	
05 05 23 00-0354	EA	7/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	9.89	
		<i>For &gt;100 To 250, Deduct</i>	-1.71	
		<i>For &gt;250 To 500, Deduct</i>	-2.14	
		<i>For &gt;500, Deduct</i>	-2.57	
05 05 23 00-0355	EA	7/16" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	10.12	
		<i>For &gt;100 To 250, Deduct</i>	-1.71	
		<i>For &gt;250 To 500, Deduct</i>	-2.14	
		<i>For &gt;500, Deduct</i>	-2.57	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0356 EA 7/16" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	10.33	
<i>For &gt;100 To 250, Deduct</i>	-1.71	
<i>For &gt;250 To 500, Deduct</i>	-2.14	
<i>For &gt;500, Deduct</i>	-2.57	
05 05 23 00-0357 EA 7/16" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	10.81	
<i>For &gt;100 To 250, Deduct</i>	-1.75	
<i>For &gt;250 To 500, Deduct</i>	-2.19	
<i>For &gt;500, Deduct</i>	-2.63	
05 05 23 00-0358 EA 7/16" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	12.01	
<i>For &gt;100 To 250, Deduct</i>	-1.75	
<i>For &gt;250 To 500, Deduct</i>	-2.19	
<i>For &gt;500, Deduct</i>	-2.63	
05 05 23 00-0359 EA 7/16" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	12.55	
<i>For &gt;100 To 250, Deduct</i>	-1.75	
<i>For &gt;250 To 500, Deduct</i>	-2.19	
<i>For &gt;500, Deduct</i>	-2.63	
05 05 23 00-0360 EA 7/16" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	12.93	
<i>For &gt;100 To 250, Deduct</i>	-1.80	
<i>For &gt;250 To 500, Deduct</i>	-2.25	
<i>For &gt;500, Deduct</i>	-2.69	
05 05 23 00-0361 EA 7/16" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	13.18	
<i>For &gt;100 To 250, Deduct</i>	-1.80	
<i>For &gt;250 To 500, Deduct</i>	-2.25	
<i>For &gt;500, Deduct</i>	-2.69	
05 05 23 00-0362 EA 7/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	13.44	
<i>For &gt;100 To 250, Deduct</i>	-1.80	
<i>For &gt;250 To 500, Deduct</i>	-2.25	
<i>For &gt;500, Deduct</i>	-2.69	
05 05 23 00-0363 EA 7/16" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	14.00	
<i>For &gt;100 To 250, Deduct</i>	-1.84	
<i>For &gt;250 To 500, Deduct</i>	-2.30	
<i>For &gt;500, Deduct</i>	-2.76	
05 05 23 00-0364 EA 7/16" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	14.35	
<i>For &gt;100 To 250, Deduct</i>	-1.84	
<i>For &gt;250 To 500, Deduct</i>	-2.30	
<i>For &gt;500, Deduct</i>	-2.76	
05 05 23 00-0365 EA 7/16" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	14.70	
<i>For &gt;100 To 250, Deduct</i>	-1.84	
<i>For &gt;250 To 500, Deduct</i>	-2.30	
<i>For &gt;500, Deduct</i>	-2.76	
<b>05 05 23 00-0366 1/2" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts (05 05 23 00-0298)</b>		
05 05 23 00-0367 EA 1/2" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	9.16	
<i>For &gt;100 To 250, Deduct</i>	-1.67	
<i>For &gt;250 To 500, Deduct</i>	-2.09	
<i>For &gt;500, Deduct</i>	-2.51	
05 05 23 00-0368 EA 1/2" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	9.33	
<i>For &gt;100 To 250, Deduct</i>	-1.67	
<i>For &gt;250 To 500, Deduct</i>	-2.09	
<i>For &gt;500, Deduct</i>	-2.51	
05 05 23 00-0369 EA 1/2" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	9.51	
<i>For &gt;100 To 250, Deduct</i>	-1.67	
<i>For &gt;250 To 500, Deduct</i>	-2.09	
<i>For &gt;500, Deduct</i>	-2.51	
05 05 23 00-0370 EA 1/2" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	10.01	
<i>For &gt;100 To 250, Deduct</i>	-1.71	
<i>For &gt;250 To 500, Deduct</i>	-2.14	
<i>For &gt;500, Deduct</i>	-2.57	
05 05 23 00-0371 EA 1/2" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	10.28	
<i>For &gt;100 To 250, Deduct</i>	-1.71	
<i>For &gt;250 To 500, Deduct</i>	-2.14	
<i>For &gt;500, Deduct</i>	-2.57	
05 05 23 00-0372 EA 1/2" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	10.57	
<i>For &gt;100 To 250, Deduct</i>	-1.71	
<i>For &gt;250 To 500, Deduct</i>	-2.14	
<i>For &gt;500, Deduct</i>	-2.57	
05 05 23 00-0373 EA 1/2" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	11.03	
<i>For &gt;100 To 250, Deduct</i>	-1.75	
<i>For &gt;250 To 500, Deduct</i>	-2.19	
<i>For &gt;500, Deduct</i>	-2.63	
05 05 23 00-0374 EA 1/2" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	11.98	
<i>For &gt;100 To 250, Deduct</i>	-1.75	
<i>For &gt;250 To 500, Deduct</i>	-2.19	
<i>For &gt;500, Deduct</i>	-2.63	
05 05 23 00-0375 EA 1/2" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	12.04	
<i>For &gt;100 To 250, Deduct</i>	-1.75	
<i>For &gt;250 To 500, Deduct</i>	-2.19	
<i>For &gt;500, Deduct</i>	-2.63	
05 05 23 00-0376 EA 1/2" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	12.90	
<i>For &gt;100 To 250, Deduct</i>	-1.80	
<i>For &gt;250 To 500, Deduct</i>	-2.25	
<i>For &gt;500, Deduct</i>	-2.69	

**05 Metals****05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0377	EA	1/2" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	13.27	
		<i>For &gt;100 To 250, Deduct</i>	-1.80	
		<i>For &gt;250 To 500, Deduct</i>	-2.25	
		<i>For &gt;500, Deduct</i>	-2.69	
05 05 23 00-0378	EA	1/2" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	14.22	
		<i>For &gt;100 To 250, Deduct</i>	-1.80	
		<i>For &gt;250 To 500, Deduct</i>	-2.25	
		<i>For &gt;500, Deduct</i>	-2.69	
05 05 23 00-0379	EA	1/2" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	15.28	
		<i>For &gt;100 To 250, Deduct</i>	-1.84	
		<i>For &gt;250 To 500, Deduct</i>	-2.30	
		<i>For &gt;500, Deduct</i>	-2.76	
05 05 23 00-0380	EA	1/2" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	15.81	
		<i>For &gt;100 To 250, Deduct</i>	-1.84	
		<i>For &gt;250 To 500, Deduct</i>	-2.30	
		<i>For &gt;500, Deduct</i>	-2.76	
05 05 23 00-0381	EA	1/2" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	16.01	
		<i>For &gt;100 To 250, Deduct</i>	-1.84	
		<i>For &gt;250 To 500, Deduct</i>	-2.30	
		<i>For &gt;500, Deduct</i>	-2.76	
05 05 23 00-0382	EA	1/2" Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	17.20	
		<i>For &gt;100 To 250, Deduct</i>	-1.88	
		<i>For &gt;250 To 500, Deduct</i>	-2.35	
		<i>For &gt;500, Deduct</i>	-2.82	
05 05 23 00-0383	EA	1/2" Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	18.13	
		<i>For &gt;100 To 250, Deduct</i>	-1.88	
		<i>For &gt;250 To 500, Deduct</i>	-2.35	
		<i>For &gt;500, Deduct</i>	-2.82	
05 05 23 00-0384	EA	1/2" Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	19.44	
		<i>For &gt;100 To 250, Deduct</i>	-1.88	
		<i>For &gt;250 To 500, Deduct</i>	-2.35	
		<i>For &gt;500, Deduct</i>	-2.82	
05 05 23 00-0385	EA	1/2" Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	19.95	
		<i>For &gt;100 To 250, Deduct</i>	-1.88	
		<i>For &gt;250 To 500, Deduct</i>	-2.35	
		<i>For &gt;500, Deduct</i>	-2.82	
<b>05 05 23 00-0386</b>		<b>9/16" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts (05 05 23 00-0298)</b>		
05 05 23 00-0387	EA	9/16" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	9.68	
		<i>For &gt;100 To 250, Deduct</i>	-1.67	
		<i>For &gt;250 To 500, Deduct</i>	-2.09	
		<i>For &gt;500, Deduct</i>	-2.51	
05 05 23 00-0388	EA	9/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	9.98	
		<i>For &gt;100 To 250, Deduct</i>	-1.67	
		<i>For &gt;250 To 500, Deduct</i>	-2.09	
		<i>For &gt;500, Deduct</i>	-2.51	
05 05 23 00-0389	EA	9/16" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	10.26	
		<i>For &gt;100 To 250, Deduct</i>	-1.67	
		<i>For &gt;250 To 500, Deduct</i>	-2.09	
		<i>For &gt;500, Deduct</i>	-2.51	
05 05 23 00-0390	EA	9/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	10.77	
		<i>For &gt;100 To 250, Deduct</i>	-1.71	
		<i>For &gt;250 To 500, Deduct</i>	-2.14	
		<i>For &gt;500, Deduct</i>	-2.57	
05 05 23 00-0391	EA	9/16" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	11.15	
		<i>For &gt;100 To 250, Deduct</i>	-1.71	
		<i>For &gt;250 To 500, Deduct</i>	-2.14	
		<i>For &gt;500, Deduct</i>	-2.57	
05 05 23 00-0392	EA	9/16" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	11.58	
		<i>For &gt;100 To 250, Deduct</i>	-1.71	
		<i>For &gt;250 To 500, Deduct</i>	-2.14	
		<i>For &gt;500, Deduct</i>	-2.57	
05 05 23 00-0393	EA	9/16" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	12.27	
		<i>For &gt;100 To 250, Deduct</i>	-1.75	
		<i>For &gt;250 To 500, Deduct</i>	-2.19	
		<i>For &gt;500, Deduct</i>	-2.63	
05 05 23 00-0394	EA	9/16" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	13.92	
		<i>For &gt;100 To 250, Deduct</i>	-1.75	
		<i>For &gt;250 To 500, Deduct</i>	-2.19	
		<i>For &gt;500, Deduct</i>	-2.63	
05 05 23 00-0395	EA	9/16" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	14.35	
		<i>For &gt;100 To 250, Deduct</i>	-1.75	
		<i>For &gt;250 To 500, Deduct</i>	-2.19	
		<i>For &gt;500, Deduct</i>	-2.63	
05 05 23 00-0396	EA	9/16" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	15.04	
		<i>For &gt;100 To 250, Deduct</i>	-1.80	
		<i>For &gt;250 To 500, Deduct</i>	-2.25	
		<i>For &gt;500, Deduct</i>	-2.69	
05 05 23 00-0397	EA	9/16" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	15.50	
		<i>For &gt;100 To 250, Deduct</i>	-1.80	
		<i>For &gt;250 To 500, Deduct</i>	-2.25	
		<i>For &gt;500, Deduct</i>	-2.69	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0398 EA 9/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	17.02	
<i>For &gt;100 To 250, Deduct</i>	-1.80	
<i>For &gt;250 To 500, Deduct</i>	-2.25	
<i>For &gt;500, Deduct</i>	-2.69	
05 05 23 00-0399 EA 9/16" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	19.11	
<i>For &gt;100 To 250, Deduct</i>	-1.84	
<i>For &gt;250 To 500, Deduct</i>	-2.30	
<i>For &gt;500, Deduct</i>	-2.76	
05 05 23 00-0400 EA 9/16" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	19.74	
<i>For &gt;100 To 250, Deduct</i>	-1.84	
<i>For &gt;250 To 500, Deduct</i>	-2.30	
<i>For &gt;500, Deduct</i>	-2.76	
05 05 23 00-0401 EA 9/16" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	20.79	
<i>For &gt;100 To 250, Deduct</i>	-1.84	
<i>For &gt;250 To 500, Deduct</i>	-2.30	
<i>For &gt;500, Deduct</i>	-2.76	
05 05 23 00-0402 EA 9/16" Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	21.99	
<i>For &gt;100 To 250, Deduct</i>	-1.88	
<i>For &gt;250 To 500, Deduct</i>	-2.35	
<i>For &gt;500, Deduct</i>	-2.82	
05 05 23 00-0403 EA 9/16" Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	22.37	
<i>For &gt;100 To 250, Deduct</i>	-1.88	
<i>For &gt;250 To 500, Deduct</i>	-2.35	
<i>For &gt;500, Deduct</i>	-2.82	
05 05 23 00-0404 EA 9/16" Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	22.76	
<i>For &gt;100 To 250, Deduct</i>	-1.88	
<i>For &gt;250 To 500, Deduct</i>	-2.35	
<i>For &gt;500, Deduct</i>	-2.82	
05 05 23 00-0405 EA 9/16" Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	23.70	
<i>For &gt;100 To 250, Deduct</i>	-1.88	
<i>For &gt;250 To 500, Deduct</i>	-2.35	
<i>For &gt;500, Deduct</i>	-2.82	
<b>05 05 23 00-0406 5/8" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts (05 05 23 00-0298)</b>		
05 05 23 00-0407 EA 5/8" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	11.05	
<i>For &gt;100 To 250, Deduct</i>	-1.88	
<i>For &gt;250 To 500, Deduct</i>	-2.35	
<i>For &gt;500, Deduct</i>	-2.82	
05 05 23 00-0408 EA 5/8" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	11.16	
<i>For &gt;100 To 250, Deduct</i>	-1.88	
<i>For &gt;250 To 500, Deduct</i>	-2.35	
<i>For &gt;500, Deduct</i>	-2.82	
05 05 23 00-0409 EA 5/8" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	11.25	
<i>For &gt;100 To 250, Deduct</i>	-1.88	
<i>For &gt;250 To 500, Deduct</i>	-2.35	
<i>For &gt;500, Deduct</i>	-2.82	
05 05 23 00-0410 EA 5/8" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	11.74	
<i>For &gt;100 To 250, Deduct</i>	-1.92	
<i>For &gt;250 To 500, Deduct</i>	-2.40	
<i>For &gt;500, Deduct</i>	-2.88	
05 05 23 00-0411 EA 5/8" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	12.24	
<i>For &gt;100 To 250, Deduct</i>	-1.92	
<i>For &gt;250 To 500, Deduct</i>	-2.40	
<i>For &gt;500, Deduct</i>	-2.88	
05 05 23 00-0412 EA 5/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	12.70	
<i>For &gt;100 To 250, Deduct</i>	-1.92	
<i>For &gt;250 To 500, Deduct</i>	-2.40	
<i>For &gt;500, Deduct</i>	-2.88	
05 05 23 00-0413 EA 5/8" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	13.38	
<i>For &gt;100 To 250, Deduct</i>	-1.96	
<i>For &gt;250 To 500, Deduct</i>	-2.45	
<i>For &gt;500, Deduct</i>	-2.94	
05 05 23 00-0414 EA 5/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	14.27	
<i>For &gt;100 To 250, Deduct</i>	-1.96	
<i>For &gt;250 To 500, Deduct</i>	-2.45	
<i>For &gt;500, Deduct</i>	-2.94	
05 05 23 00-0415 EA 5/8" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	14.74	
<i>For &gt;100 To 250, Deduct</i>	-1.96	
<i>For &gt;250 To 500, Deduct</i>	-2.45	
<i>For &gt;500, Deduct</i>	-2.94	
05 05 23 00-0416 EA 5/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	15.19	
<i>For &gt;100 To 250, Deduct</i>	-2.00	
<i>For &gt;250 To 500, Deduct</i>	-2.51	
<i>For &gt;500, Deduct</i>	-3.01	
05 05 23 00-0417 EA 5/8" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	15.96	
<i>For &gt;100 To 250, Deduct</i>	-2.00	
<i>For &gt;250 To 500, Deduct</i>	-2.51	
<i>For &gt;500, Deduct</i>	-3.01	
05 05 23 00-0418 EA 5/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	17.16	
<i>For &gt;100 To 250, Deduct</i>	-2.00	
<i>For &gt;250 To 500, Deduct</i>	-2.51	
<i>For &gt;500, Deduct</i>	-3.01	

**05 Metals****05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0419	EA	5/8" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	18.47	
		<i>For &gt;100 To 250, Deduct</i>	-2.05	
		<i>For &gt;250 To 500, Deduct</i>	-2.56	
		<i>For &gt;500, Deduct</i>	-3.07	
05 05 23 00-0420	EA	5/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	19.46	
		<i>For &gt;100 To 250, Deduct</i>	-2.05	
		<i>For &gt;250 To 500, Deduct</i>	-2.56	
		<i>For &gt;500, Deduct</i>	-3.07	
05 05 23 00-0421	EA	5/8" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	19.62	
		<i>For &gt;100 To 250, Deduct</i>	-2.05	
		<i>For &gt;250 To 500, Deduct</i>	-2.56	
		<i>For &gt;500, Deduct</i>	-3.07	
05 05 23 00-0422	EA	5/8" Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	21.62	
		<i>For &gt;100 To 250, Deduct</i>	-2.09	
		<i>For &gt;250 To 500, Deduct</i>	-2.61	
		<i>For &gt;500, Deduct</i>	-3.13	
05 05 23 00-0423	EA	5/8" Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	22.96	
		<i>For &gt;100 To 250, Deduct</i>	-2.09	
		<i>For &gt;250 To 500, Deduct</i>	-2.61	
		<i>For &gt;500, Deduct</i>	-3.13	
05 05 23 00-0424	EA	5/8" Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	24.93	
		<i>For &gt;100 To 250, Deduct</i>	-2.09	
		<i>For &gt;250 To 500, Deduct</i>	-2.61	
		<i>For &gt;500, Deduct</i>	-3.13	
05 05 23 00-0425	EA	5/8" Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	25.62	
		<i>For &gt;100 To 250, Deduct</i>	-2.09	
		<i>For &gt;250 To 500, Deduct</i>	-2.61	
		<i>For &gt;500, Deduct</i>	-3.13	
<b>05 05 23 00-0426</b>		<b>3/4" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts</b> <small>(05 05 23 00-0298)</small> .....		
05 05 23 00-0427	EA	3/4" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	12.18	
		<i>For &gt;100 To 250, Deduct</i>	-1.88	
		<i>For &gt;250 To 500, Deduct</i>	-2.35	
		<i>For &gt;500, Deduct</i>	-2.82	
05 05 23 00-0428	EA	3/4" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	12.38	
		<i>For &gt;100 To 250, Deduct</i>	-1.88	
		<i>For &gt;250 To 500, Deduct</i>	-2.35	
		<i>For &gt;500, Deduct</i>	-2.82	
05 05 23 00-0429	EA	3/4" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	12.48	
		<i>For &gt;100 To 250, Deduct</i>	-1.88	
		<i>For &gt;250 To 500, Deduct</i>	-2.35	
		<i>For &gt;500, Deduct</i>	-2.82	
05 05 23 00-0430	EA	3/4" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	13.11	
		<i>For &gt;100 To 250, Deduct</i>	-1.92	
		<i>For &gt;250 To 500, Deduct</i>	-2.40	
		<i>For &gt;500, Deduct</i>	-2.88	
05 05 23 00-0431	EA	3/4" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	13.61	
		<i>For &gt;100 To 250, Deduct</i>	-1.92	
		<i>For &gt;250 To 500, Deduct</i>	-2.40	
		<i>For &gt;500, Deduct</i>	-2.88	
05 05 23 00-0432	EA	3/4" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	14.38	
		<i>For &gt;100 To 250, Deduct</i>	-1.92	
		<i>For &gt;250 To 500, Deduct</i>	-2.40	
		<i>For &gt;500, Deduct</i>	-2.88	
05 05 23 00-0433	EA	3/4" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	15.11	
		<i>For &gt;100 To 250, Deduct</i>	-1.96	
		<i>For &gt;250 To 500, Deduct</i>	-2.45	
		<i>For &gt;500, Deduct</i>	-2.94	
05 05 23 00-0434	EA	3/4" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	15.60	
		<i>For &gt;100 To 250, Deduct</i>	-1.96	
		<i>For &gt;250 To 500, Deduct</i>	-2.45	
		<i>For &gt;500, Deduct</i>	-2.94	
05 05 23 00-0435	EA	3/4" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	16.63	
		<i>For &gt;100 To 250, Deduct</i>	-1.96	
		<i>For &gt;250 To 500, Deduct</i>	-2.45	
		<i>For &gt;500, Deduct</i>	-2.94	
05 05 23 00-0436	EA	3/4" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	17.32	
		<i>For &gt;100 To 250, Deduct</i>	-2.00	
		<i>For &gt;250 To 500, Deduct</i>	-2.51	
		<i>For &gt;500, Deduct</i>	-3.01	
05 05 23 00-0437	EA	3/4" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	18.17	
		<i>For &gt;100 To 250, Deduct</i>	-2.00	
		<i>For &gt;250 To 500, Deduct</i>	-2.51	
		<i>For &gt;500, Deduct</i>	-3.01	
05 05 23 00-0438	EA	3/4" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	19.21	
		<i>For &gt;100 To 250, Deduct</i>	-2.00	
		<i>For &gt;250 To 500, Deduct</i>	-2.51	
		<i>For &gt;500, Deduct</i>	-3.01	
05 05 23 00-0439	EA	3/4" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	20.90	
		<i>For &gt;100 To 250, Deduct</i>	-2.05	
		<i>For &gt;250 To 500, Deduct</i>	-2.56	
		<i>For &gt;500, Deduct</i>	-3.07	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0440 EA 3/4" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	21.98	
<i>For &gt;100 To 250, Deduct</i>	-2.05	
<i>For &gt;250 To 500, Deduct</i>	-2.56	
<i>For &gt;500, Deduct</i>	-3.07	
05 05 23 00-0441 EA 3/4" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	22.59	
<i>For &gt;100 To 250, Deduct</i>	-2.05	
<i>For &gt;250 To 500, Deduct</i>	-2.56	
<i>For &gt;500, Deduct</i>	-3.07	
05 05 23 00-0442 EA 3/4" Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	24.41	
<i>For &gt;100 To 250, Deduct</i>	-2.09	
<i>For &gt;250 To 500, Deduct</i>	-2.61	
<i>For &gt;500, Deduct</i>	-3.13	
05 05 23 00-0443 EA 3/4" Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	24.96	
<i>For &gt;100 To 250, Deduct</i>	-2.09	
<i>For &gt;250 To 500, Deduct</i>	-2.61	
<i>For &gt;500, Deduct</i>	-3.13	
05 05 23 00-0444 EA 3/4" Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	26.75	
<i>For &gt;100 To 250, Deduct</i>	-2.09	
<i>For &gt;250 To 500, Deduct</i>	-2.61	
<i>For &gt;500, Deduct</i>	-3.13	
05 05 23 00-0445 EA 3/4" Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	27.19	
<i>For &gt;100 To 250, Deduct</i>	-2.09	
<i>For &gt;250 To 500, Deduct</i>	-2.61	
<i>For &gt;500, Deduct</i>	-3.13	
<b>05 05 23 00-0446 7/8" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts</b> <small>(05 05 23 00-0298)</small>		
05 05 23 00-0447 EA 7/8" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	14.63	
<i>For &gt;100 To 250, Deduct</i>	-2.09	
<i>For &gt;250 To 500, Deduct</i>	-2.61	
<i>For &gt;500, Deduct</i>	-3.13	
05 05 23 00-0448 EA 7/8" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	14.87	
<i>For &gt;100 To 250, Deduct</i>	-2.09	
<i>For &gt;250 To 500, Deduct</i>	-2.61	
<i>For &gt;500, Deduct</i>	-3.13	
05 05 23 00-0449 EA 7/8" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	15.21	
<i>For &gt;100 To 250, Deduct</i>	-2.09	
<i>For &gt;250 To 500, Deduct</i>	-2.61	
<i>For &gt;500, Deduct</i>	-3.13	
05 05 23 00-0450 EA 7/8" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	15.76	
<i>For &gt;100 To 250, Deduct</i>	-2.13	
<i>For &gt;250 To 500, Deduct</i>	-2.66	
<i>For &gt;500, Deduct</i>	-3.20	
05 05 23 00-0451 EA 7/8" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	16.77	
<i>For &gt;100 To 250, Deduct</i>	-2.13	
<i>For &gt;250 To 500, Deduct</i>	-2.66	
<i>For &gt;500, Deduct</i>	-3.20	
05 05 23 00-0452 EA 7/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	17.44	
<i>For &gt;100 To 250, Deduct</i>	-2.13	
<i>For &gt;250 To 500, Deduct</i>	-2.66	
<i>For &gt;500, Deduct</i>	-3.20	
05 05 23 00-0453 EA 7/8" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	18.16	
<i>For &gt;100 To 250, Deduct</i>	-2.17	
<i>For &gt;250 To 500, Deduct</i>	-2.72	
<i>For &gt;500, Deduct</i>	-3.26	
05 05 23 00-0454 EA 7/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	19.35	
<i>For &gt;100 To 250, Deduct</i>	-2.17	
<i>For &gt;250 To 500, Deduct</i>	-2.72	
<i>For &gt;500, Deduct</i>	-3.26	
05 05 23 00-0455 EA 7/8" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	20.25	
<i>For &gt;100 To 250, Deduct</i>	-2.17	
<i>For &gt;250 To 500, Deduct</i>	-2.72	
<i>For &gt;500, Deduct</i>	-3.26	
05 05 23 00-0456 EA 7/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	20.88	
<i>For &gt;100 To 250, Deduct</i>	-2.21	
<i>For &gt;250 To 500, Deduct</i>	-2.77	
<i>For &gt;500, Deduct</i>	-3.32	
05 05 23 00-0457 EA 7/8" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	21.63	
<i>For &gt;100 To 250, Deduct</i>	-2.21	
<i>For &gt;250 To 500, Deduct</i>	-2.77	
<i>For &gt;500, Deduct</i>	-3.32	
05 05 23 00-0458 EA 7/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	24.84	
<i>For &gt;100 To 250, Deduct</i>	-2.21	
<i>For &gt;250 To 500, Deduct</i>	-2.77	
<i>For &gt;500, Deduct</i>	-3.32	
05 05 23 00-0459 EA 7/8" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	26.18	
<i>For &gt;100 To 250, Deduct</i>	-2.25	
<i>For &gt;250 To 500, Deduct</i>	-2.82	
<i>For &gt;500, Deduct</i>	-3.38	
05 05 23 00-0460 EA 7/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	27.59	
<i>For &gt;100 To 250, Deduct</i>	-2.25	
<i>For &gt;250 To 500, Deduct</i>	-2.82	
<i>For &gt;500, Deduct</i>	-3.38	

**05 Metals****05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0461 EA 7/8" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	27.68	
For>100 To 250, Deduct	-2.25	
For>250 To 500, Deduct	-2.82	
For>500, Deduct	-3.38	
05 05 23 00-0462 EA 7/8" Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	29.92	
For>100 To 250, Deduct	-2.30	
For>250 To 500, Deduct	-2.87	
For>500, Deduct	-3.44	
05 05 23 00-0463 EA 7/8" Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	31.29	
For>100 To 250, Deduct	-2.30	
For>250 To 500, Deduct	-2.87	
For>500, Deduct	-3.44	
05 05 23 00-0464 EA 7/8" Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	32.47	
For>100 To 250, Deduct	-2.30	
For>250 To 500, Deduct	-2.87	
For>500, Deduct	-3.44	
05 05 23 00-0465 EA 7/8" Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	33.64	
For>100 To 250, Deduct	-2.30	
For>250 To 500, Deduct	-2.87	
For>500, Deduct	-3.44	
<b>05 05 23 00-0466 1" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts (05 05 23 00-0298)</b>		
05 05 23 00-0467 EA 1" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	16.87	
For>100 To 250, Deduct	-2.09	
For>250 To 500, Deduct	-2.61	
For>500, Deduct	-3.13	
05 05 23 00-0468 EA 1" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	16.95	
For>100 To 250, Deduct	-2.09	
For>250 To 500, Deduct	-2.61	
For>500, Deduct	-3.13	
05 05 23 00-0469 EA 1" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	17.92	
For>100 To 250, Deduct	-2.13	
For>250 To 500, Deduct	-2.66	
For>500, Deduct	-3.20	
05 05 23 00-0470 EA 1" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	18.89	
For>100 To 250, Deduct	-2.13	
For>250 To 500, Deduct	-2.66	
For>500, Deduct	-3.20	
05 05 23 00-0471 EA 1" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	19.61	
For>100 To 250, Deduct	-2.13	
For>250 To 500, Deduct	-2.66	
For>500, Deduct	-3.20	
05 05 23 00-0472 EA 1" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	20.74	
For>100 To 250, Deduct	-2.17	
For>250 To 500, Deduct	-2.72	
For>500, Deduct	-3.26	
05 05 23 00-0473 EA 1" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	21.88	
For>100 To 250, Deduct	-2.17	
For>250 To 500, Deduct	-2.72	
For>500, Deduct	-3.26	
05 05 23 00-0474 EA 1" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	23.54	
For>100 To 250, Deduct	-2.17	
For>250 To 500, Deduct	-2.72	
For>500, Deduct	-3.26	
05 05 23 00-0475 EA 1" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	24.95	
For>100 To 250, Deduct	-2.21	
For>250 To 500, Deduct	-2.77	
For>500, Deduct	-3.32	
05 05 23 00-0476 EA 1" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	25.30	
For>100 To 250, Deduct	-2.21	
For>250 To 500, Deduct	-2.77	
For>500, Deduct	-3.32	
05 05 23 00-0477 EA 1" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	27.62	
For>100 To 250, Deduct	-2.21	
For>250 To 500, Deduct	-2.77	
For>500, Deduct	-3.32	
05 05 23 00-0478 EA 1" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	29.31	
For>100 To 250, Deduct	-2.25	
For>250 To 500, Deduct	-2.82	
For>500, Deduct	-3.38	
05 05 23 00-0479 EA 1" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	31.78	
For>100 To 250, Deduct	-2.25	
For>250 To 500, Deduct	-2.82	
For>500, Deduct	-3.38	
05 05 23 00-0480 EA 1" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	32.49	
For>100 To 250, Deduct	-2.25	
For>250 To 500, Deduct	-2.82	
For>500, Deduct	-3.38	
05 05 23 00-0481 EA 1" Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	40.62	
For>100 To 250, Deduct	-2.30	
For>250 To 500, Deduct	-2.87	
For>500, Deduct	-3.44	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0482 EA 1" Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	41.24	
<i>For &gt;100 To 250, Deduct</i>	-2.30	
<i>For &gt;250 To 500, Deduct</i>	-2.87	
<i>For &gt;500, Deduct</i>	-3.44	
05 05 23 00-0483 EA 1" Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	42.94	
<i>For &gt;100 To 250, Deduct</i>	-2.30	
<i>For &gt;250 To 500, Deduct</i>	-2.87	
<i>For &gt;500, Deduct</i>	-3.44	
05 05 23 00-0484 EA 1" Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt .....	44.10	
<i>For &gt;100 To 250, Deduct</i>	-2.30	
<i>For &gt;250 To 500, Deduct</i>	-2.87	
<i>For &gt;500, Deduct</i>	-3.44	
<b>05 05 23 00-0485 Zinc Plated Steel, Grade 8, Hex Head Bolts</b> <small>(05 05 23 00-0110)</small>		
<b>05 05 23 00-0486 1/4" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts</b> <small>(05 05 23 00-0485)</small>		
05 05 23 00-0487 EA 1/4" Diameter x 1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	7.53	
<i>For &gt;100 To 250, Deduct</i>	-1.46	
<i>For &gt;250 To 500, Deduct</i>	-1.83	
<i>For &gt;500, Deduct</i>	-2.19	
05 05 23 00-0488 EA 1/4" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	7.65	
<i>For &gt;100 To 250, Deduct</i>	-1.46	
<i>For &gt;250 To 500, Deduct</i>	-1.83	
<i>For &gt;500, Deduct</i>	-2.19	
05 05 23 00-0489 EA 1/4" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	7.71	
<i>For &gt;100 To 250, Deduct</i>	-1.46	
<i>For &gt;250 To 500, Deduct</i>	-1.83	
<i>For &gt;500, Deduct</i>	-2.19	
05 05 23 00-0490 EA 1/4" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	7.84	
<i>For &gt;100 To 250, Deduct</i>	-1.46	
<i>For &gt;250 To 500, Deduct</i>	-1.83	
<i>For &gt;500, Deduct</i>	-2.19	
05 05 23 00-0491 EA 1/4" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	8.13	
<i>For &gt;100 To 250, Deduct</i>	-1.50	
<i>For &gt;250 To 500, Deduct</i>	-1.88	
<i>For &gt;500, Deduct</i>	-2.26	
05 05 23 00-0492 EA 1/4" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	8.27	
<i>For &gt;100 To 250, Deduct</i>	-1.50	
<i>For &gt;250 To 500, Deduct</i>	-1.88	
<i>For &gt;500, Deduct</i>	-2.26	
05 05 23 00-0493 EA 1/4" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	8.40	
<i>For &gt;100 To 250, Deduct</i>	-1.50	
<i>For &gt;250 To 500, Deduct</i>	-1.88	
<i>For &gt;500, Deduct</i>	-2.26	
05 05 23 00-0494 EA 1/4" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	8.62	
<i>For &gt;100 To 250, Deduct</i>	-1.55	
<i>For &gt;250 To 500, Deduct</i>	-1.93	
<i>For &gt;500, Deduct</i>	-2.32	
05 05 23 00-0495 EA 1/4" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	9.00	
<i>For &gt;100 To 250, Deduct</i>	-1.55	
<i>For &gt;250 To 500, Deduct</i>	-1.93	
<i>For &gt;500, Deduct</i>	-2.32	
05 05 23 00-0496 EA 1/4" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	9.36	
<i>For &gt;100 To 250, Deduct</i>	-1.55	
<i>For &gt;250 To 500, Deduct</i>	-1.93	
<i>For &gt;500, Deduct</i>	-2.32	
05 05 23 00-0497 EA 1/4" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	9.75	
<i>For &gt;100 To 250, Deduct</i>	-1.59	
<i>For &gt;250 To 500, Deduct</i>	-1.98	
<i>For &gt;500, Deduct</i>	-2.38	
05 05 23 00-0498 EA 1/4" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	9.94	
<i>For &gt;100 To 250, Deduct</i>	-1.59	
<i>For &gt;250 To 500, Deduct</i>	-1.98	
<i>For &gt;500, Deduct</i>	-2.38	
05 05 23 00-0499 EA 1/4" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	10.19	
<i>For &gt;100 To 250, Deduct</i>	-1.59	
<i>For &gt;250 To 500, Deduct</i>	-1.98	
<i>For &gt;500, Deduct</i>	-2.38	
05 05 23 00-0500 EA 1/4" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	10.57	
<i>For &gt;100 To 250, Deduct</i>	-1.63	
<i>For &gt;250 To 500, Deduct</i>	-2.04	
<i>For &gt;500, Deduct</i>	-2.44	
05 05 23 00-0501 EA 1/4" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	11.04	
<i>For &gt;100 To 250, Deduct</i>	-1.63	
<i>For &gt;250 To 500, Deduct</i>	-2.04	
<i>For &gt;500, Deduct</i>	-2.44	
05 05 23 00-0502 EA 1/4" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	11.25	
<i>For &gt;100 To 250, Deduct</i>	-1.63	
<i>For &gt;250 To 500, Deduct</i>	-2.04	
<i>For &gt;500, Deduct</i>	-2.44	
<b>05 05 23 00-0503 5/16" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts</b> <small>(05 05 23 00-0485)</small>		

**05 Metals****05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0504 EA 5/16" Diameter x 1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.64	
For>100 To 250, Deduct	-1.46	
For>250 To 500, Deduct	-1.83	
For>500, Deduct	-2.19	
05 05 23 00-0505 EA 5/16" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.71	
For>100 To 250, Deduct	-1.46	
For>250 To 500, Deduct	-1.83	
For>500, Deduct	-2.19	
05 05 23 00-0506 EA 5/16" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	7.94	
For>100 To 250, Deduct	-1.46	
For>250 To 500, Deduct	-1.83	
For>500, Deduct	-2.19	
05 05 23 00-0507 EA 5/16" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.98	
For>100 To 250, Deduct	-1.46	
For>250 To 500, Deduct	-1.83	
For>500, Deduct	-2.19	
05 05 23 00-0508 EA 5/16" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	8.32	
For>100 To 250, Deduct	-1.50	
For>250 To 500, Deduct	-1.88	
For>500, Deduct	-2.26	
05 05 23 00-0509 EA 5/16" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.66	
For>100 To 250, Deduct	-1.50	
For>250 To 500, Deduct	-1.88	
For>500, Deduct	-2.26	
05 05 23 00-0510 EA 5/16" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	8.76	
For>100 To 250, Deduct	-1.50	
For>250 To 500, Deduct	-1.88	
For>500, Deduct	-2.26	
05 05 23 00-0511 EA 5/16" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.16	
For>100 To 250, Deduct	-1.55	
For>250 To 500, Deduct	-1.93	
For>500, Deduct	-2.32	
05 05 23 00-0512 EA 5/16" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	9.38	
For>100 To 250, Deduct	-1.55	
For>250 To 500, Deduct	-1.93	
For>500, Deduct	-2.32	
05 05 23 00-0513 EA 5/16" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.87	
For>100 To 250, Deduct	-1.55	
For>250 To 500, Deduct	-1.93	
For>500, Deduct	-2.32	
05 05 23 00-0514 EA 5/16" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	10.36	
For>100 To 250, Deduct	-1.59	
For>250 To 500, Deduct	-1.98	
For>500, Deduct	-2.38	
05 05 23 00-0515 EA 5/16" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	10.54	
For>100 To 250, Deduct	-1.59	
For>250 To 500, Deduct	-1.98	
For>500, Deduct	-2.38	
05 05 23 00-0516 EA 5/16" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	10.83	
For>100 To 250, Deduct	-1.59	
For>250 To 500, Deduct	-1.98	
For>500, Deduct	-2.38	
05 05 23 00-0517 EA 5/16" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	11.24	
For>100 To 250, Deduct	-1.63	
For>250 To 500, Deduct	-2.04	
For>500, Deduct	-2.44	
05 05 23 00-0518 EA 5/16" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	11.45	
For>100 To 250, Deduct	-1.63	
For>250 To 500, Deduct	-2.04	
For>500, Deduct	-2.44	
05 05 23 00-0519 EA 5/16" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	11.86	
For>100 To 250, Deduct	-1.63	
For>250 To 500, Deduct	-2.04	
For>500, Deduct	-2.44	
<b>05 05 23 00-0520 3/8" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts (05 05 23 00-0485)</b>		
05 05 23 00-0521 EA 3/8" Diameter x 1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.88	
For>100 To 250, Deduct	-1.46	
For>250 To 500, Deduct	-1.83	
For>500, Deduct	-2.19	
05 05 23 00-0522 EA 3/8" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	7.91	
For>100 To 250, Deduct	-1.46	
For>250 To 500, Deduct	-1.83	
For>500, Deduct	-2.19	
05 05 23 00-0523 EA 3/8" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	7.92	
For>100 To 250, Deduct	-1.46	
For>250 To 500, Deduct	-1.83	
For>500, Deduct	-2.19	
05 05 23 00-0524 EA 3/8" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.19	
For>100 To 250, Deduct	-1.46	
For>250 To 500, Deduct	-1.83	
For>500, Deduct	-2.19	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0525 EA 3/8" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	8.55	
<i>For &gt;100 To 250, Deduct</i>	-1.50	
<i>For &gt;250 To 500, Deduct</i>	-1.88	
<i>For &gt;500, Deduct</i>	-2.26	
05 05 23 00-0526 EA 3/8" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.82	
<i>For &gt;100 To 250, Deduct</i>	-1.50	
<i>For &gt;250 To 500, Deduct</i>	-1.88	
<i>For &gt;500, Deduct</i>	-2.26	
05 05 23 00-0527 EA 3/8" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	9.06	
<i>For &gt;100 To 250, Deduct</i>	-1.50	
<i>For &gt;250 To 500, Deduct</i>	-1.88	
<i>For &gt;500, Deduct</i>	-2.26	
05 05 23 00-0528 EA 3/8" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	10.03	
<i>For &gt;100 To 250, Deduct</i>	-1.55	
<i>For &gt;250 To 500, Deduct</i>	-1.93	
<i>For &gt;500, Deduct</i>	-2.32	
05 05 23 00-0529 EA 3/8" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	10.34	
<i>For &gt;100 To 250, Deduct</i>	-1.55	
<i>For &gt;250 To 500, Deduct</i>	-1.93	
<i>For &gt;500, Deduct</i>	-2.32	
05 05 23 00-0530 EA 3/8" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	10.40	
<i>For &gt;100 To 250, Deduct</i>	-1.55	
<i>For &gt;250 To 500, Deduct</i>	-1.93	
<i>For &gt;500, Deduct</i>	-2.32	
05 05 23 00-0531 EA 3/8" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	10.72	
<i>For &gt;100 To 250, Deduct</i>	-1.59	
<i>For &gt;250 To 500, Deduct</i>	-1.98	
<i>For &gt;500, Deduct</i>	-2.38	
05 05 23 00-0532 EA 3/8" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	11.06	
<i>For &gt;100 To 250, Deduct</i>	-1.59	
<i>For &gt;250 To 500, Deduct</i>	-1.98	
<i>For &gt;500, Deduct</i>	-2.38	
05 05 23 00-0533 EA 3/8" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	12.55	
<i>For &gt;100 To 250, Deduct</i>	-1.59	
<i>For &gt;250 To 500, Deduct</i>	-1.98	
<i>For &gt;500, Deduct</i>	-2.38	
05 05 23 00-0534 EA 3/8" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	13.12	
<i>For &gt;100 To 250, Deduct</i>	-1.63	
<i>For &gt;250 To 500, Deduct</i>	-2.04	
<i>For &gt;500, Deduct</i>	-2.44	
05 05 23 00-0535 EA 3/8" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	13.79	
<i>For &gt;100 To 250, Deduct</i>	-1.63	
<i>For &gt;250 To 500, Deduct</i>	-2.04	
<i>For &gt;500, Deduct</i>	-2.44	
05 05 23 00-0536 EA 3/8" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	15.36	
<i>For &gt;100 To 250, Deduct</i>	-1.63	
<i>For &gt;250 To 500, Deduct</i>	-2.04	
<i>For &gt;500, Deduct</i>	-2.44	
<b>05 05 23 00-0537 7/16" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts</b> (05 05 23 00-0485)		
05 05 23 00-0538 EA 7/16" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.18	
<i>For &gt;100 To 250, Deduct</i>	-1.67	
<i>For &gt;250 To 500, Deduct</i>	-2.09	
<i>For &gt;500, Deduct</i>	-2.51	
05 05 23 00-0539 EA 7/16" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	9.22	
<i>For &gt;100 To 250, Deduct</i>	-1.67	
<i>For &gt;250 To 500, Deduct</i>	-2.09	
<i>For &gt;500, Deduct</i>	-2.51	
05 05 23 00-0540 EA 7/16" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.64	
<i>For &gt;100 To 250, Deduct</i>	-1.67	
<i>For &gt;250 To 500, Deduct</i>	-2.09	
<i>For &gt;500, Deduct</i>	-2.51	
05 05 23 00-0541 EA 7/16" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	9.89	
<i>For &gt;100 To 250, Deduct</i>	-1.71	
<i>For &gt;250 To 500, Deduct</i>	-2.14	
<i>For &gt;500, Deduct</i>	-2.57	
05 05 23 00-0542 EA 7/16" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	10.36	
<i>For &gt;100 To 250, Deduct</i>	-1.71	
<i>For &gt;250 To 500, Deduct</i>	-2.14	
<i>For &gt;500, Deduct</i>	-2.57	
05 05 23 00-0543 EA 7/16" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	10.62	
<i>For &gt;100 To 250, Deduct</i>	-1.71	
<i>For &gt;250 To 500, Deduct</i>	-2.14	
<i>For &gt;500, Deduct</i>	-2.57	
05 05 23 00-0544 EA 7/16" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	10.87	
<i>For &gt;100 To 250, Deduct</i>	-1.75	
<i>For &gt;250 To 500, Deduct</i>	-2.19	
<i>For &gt;500, Deduct</i>	-2.63	
05 05 23 00-0545 EA 7/16" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	11.92	
<i>For &gt;100 To 250, Deduct</i>	-1.75	
<i>For &gt;250 To 500, Deduct</i>	-2.19	
<i>For &gt;500, Deduct</i>	-2.63	

**05 Metals****05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0546 EA 7/16" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	12.74	
For>100 To 250, Deduct	-1.75	
For>250 To 500, Deduct	-2.19	
For>500, Deduct	-2.63	
05 05 23 00-0547 EA 7/16" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	13.51	
For>100 To 250, Deduct	-1.80	
For>250 To 500, Deduct	-2.25	
For>500, Deduct	-2.69	
05 05 23 00-0548 EA 7/16" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	13.80	
For>100 To 250, Deduct	-1.80	
For>250 To 500, Deduct	-2.25	
For>500, Deduct	-2.69	
05 05 23 00-0549 EA 7/16" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	14.23	
For>100 To 250, Deduct	-1.80	
For>250 To 500, Deduct	-2.25	
For>500, Deduct	-2.69	
05 05 23 00-0550 EA 7/16" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	15.08	
For>100 To 250, Deduct	-1.84	
For>250 To 500, Deduct	-2.30	
For>500, Deduct	-2.76	
05 05 23 00-0551 EA 7/16" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	16.47	
For>100 To 250, Deduct	-1.84	
For>250 To 500, Deduct	-2.30	
For>500, Deduct	-2.76	
05 05 23 00-0552 EA 7/16" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	16.58	
For>100 To 250, Deduct	-1.84	
For>250 To 500, Deduct	-2.30	
For>500, Deduct	-2.76	
<b>05 05 23 00-0553 1/2" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts (05 05 23 00-0485)</b> .....	<b>9.45</b>	
05 05 23 00-0554 EA 1/2" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.45	
For>100 To 250, Deduct	-1.67	
For>250 To 500, Deduct	-2.09	
For>500, Deduct	-2.51	
05 05 23 00-0555 EA 1/2" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	9.76	
For>100 To 250, Deduct	-1.67	
For>250 To 500, Deduct	-2.09	
For>500, Deduct	-2.51	
05 05 23 00-0556 EA 1/2" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.95	
For>100 To 250, Deduct	-1.67	
For>250 To 500, Deduct	-2.09	
For>500, Deduct	-2.51	
05 05 23 00-0557 EA 1/2" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	10.36	
For>100 To 250, Deduct	-1.71	
For>250 To 500, Deduct	-2.14	
For>500, Deduct	-2.57	
05 05 23 00-0558 EA 1/2" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	10.70	
For>100 To 250, Deduct	-1.71	
For>250 To 500, Deduct	-2.14	
For>500, Deduct	-2.57	
05 05 23 00-0559 EA 1/2" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	11.46	
For>100 To 250, Deduct	-1.71	
For>250 To 500, Deduct	-2.14	
For>500, Deduct	-2.57	
05 05 23 00-0560 EA 1/2" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	12.19	
For>100 To 250, Deduct	-1.75	
For>250 To 500, Deduct	-2.19	
For>500, Deduct	-2.63	
05 05 23 00-0561 EA 1/2" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	12.64	
For>100 To 250, Deduct	-1.75	
For>250 To 500, Deduct	-2.19	
For>500, Deduct	-2.63	
05 05 23 00-0562 EA 1/2" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	12.96	
For>100 To 250, Deduct	-1.75	
For>250 To 500, Deduct	-2.19	
For>500, Deduct	-2.63	
05 05 23 00-0563 EA 1/2" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	13.73	
For>100 To 250, Deduct	-1.80	
For>250 To 500, Deduct	-2.25	
For>500, Deduct	-2.69	
05 05 23 00-0564 EA 1/2" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	14.69	
For>100 To 250, Deduct	-1.80	
For>250 To 500, Deduct	-2.25	
For>500, Deduct	-2.69	
05 05 23 00-0565 EA 1/2" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	15.57	
For>100 To 250, Deduct	-1.80	
For>250 To 500, Deduct	-2.25	
For>500, Deduct	-2.69	
05 05 23 00-0566 EA 1/2" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	16.55	
For>100 To 250, Deduct	-1.84	
For>250 To 500, Deduct	-2.30	
For>500, Deduct	-2.76	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0567 EA 1/2" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	16.94	
<i>For &gt;100 To 250, Deduct</i>	-1.84	
<i>For &gt;250 To 500, Deduct</i>	-2.30	
<i>For &gt;500, Deduct</i>	-2.76	
05 05 23 00-0568 EA 1/2" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	18.04	
<i>For &gt;100 To 250, Deduct</i>	-1.84	
<i>For &gt;250 To 500, Deduct</i>	-2.30	
<i>For &gt;500, Deduct</i>	-2.76	
05 05 23 00-0569 EA 1/2" Diameter x 8-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	20.08	
<i>For &gt;100 To 250, Deduct</i>	-1.88	
<i>For &gt;250 To 500, Deduct</i>	-2.35	
<i>For &gt;500, Deduct</i>	-2.82	
05 05 23 00-0570 EA 1/2" Diameter x 9" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	20.88	
<i>For &gt;100 To 250, Deduct</i>	-1.88	
<i>For &gt;250 To 500, Deduct</i>	-2.35	
<i>For &gt;500, Deduct</i>	-2.82	
05 05 23 00-0571 EA 1/2" Diameter x 9-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	21.29	
<i>For &gt;100 To 250, Deduct</i>	-1.88	
<i>For &gt;250 To 500, Deduct</i>	-2.35	
<i>For &gt;500, Deduct</i>	-2.82	
05 05 23 00-0572 EA 1/2" Diameter x 10" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	23.26	
<i>For &gt;100 To 250, Deduct</i>	-1.88	
<i>For &gt;250 To 500, Deduct</i>	-2.35	
<i>For &gt;500, Deduct</i>	-2.82	
<b>05 05 23 00-0573 9/16" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts</b> <small>(05 05 23 00-0485)</small>		
05 05 23 00-0574 EA 9/16" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.74	
<i>For &gt;100 To 250, Deduct</i>	-1.67	
<i>For &gt;250 To 500, Deduct</i>	-2.09	
<i>For &gt;500, Deduct</i>	-2.51	
05 05 23 00-0575 EA 9/16" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	9.92	
<i>For &gt;100 To 250, Deduct</i>	-1.67	
<i>For &gt;250 To 500, Deduct</i>	-2.09	
<i>For &gt;500, Deduct</i>	-2.51	
05 05 23 00-0576 EA 9/16" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	10.35	
<i>For &gt;100 To 250, Deduct</i>	-1.67	
<i>For &gt;250 To 500, Deduct</i>	-2.09	
<i>For &gt;500, Deduct</i>	-2.51	
05 05 23 00-0577 EA 9/16" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	11.19	
<i>For &gt;100 To 250, Deduct</i>	-1.71	
<i>For &gt;250 To 500, Deduct</i>	-2.14	
<i>For &gt;500, Deduct</i>	-2.57	
05 05 23 00-0578 EA 9/16" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	11.34	
<i>For &gt;100 To 250, Deduct</i>	-1.71	
<i>For &gt;250 To 500, Deduct</i>	-2.14	
<i>For &gt;500, Deduct</i>	-2.57	
05 05 23 00-0579 EA 9/16" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	11.96	
<i>For &gt;100 To 250, Deduct</i>	-1.71	
<i>For &gt;250 To 500, Deduct</i>	-2.14	
<i>For &gt;500, Deduct</i>	-2.57	
05 05 23 00-0580 EA 9/16" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	12.58	
<i>For &gt;100 To 250, Deduct</i>	-1.75	
<i>For &gt;250 To 500, Deduct</i>	-2.19	
<i>For &gt;500, Deduct</i>	-2.63	
05 05 23 00-0581 EA 9/16" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	14.62	
<i>For &gt;100 To 250, Deduct</i>	-1.75	
<i>For &gt;250 To 500, Deduct</i>	-2.19	
<i>For &gt;500, Deduct</i>	-2.63	
05 05 23 00-0582 EA 9/16" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	15.02	
<i>For &gt;100 To 250, Deduct</i>	-1.75	
<i>For &gt;250 To 500, Deduct</i>	-2.19	
<i>For &gt;500, Deduct</i>	-2.63	
05 05 23 00-0583 EA 9/16" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	15.56	
<i>For &gt;100 To 250, Deduct</i>	-1.80	
<i>For &gt;250 To 500, Deduct</i>	-2.25	
<i>For &gt;500, Deduct</i>	-2.69	
05 05 23 00-0584 EA 9/16" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	16.44	
<i>For &gt;100 To 250, Deduct</i>	-1.80	
<i>For &gt;250 To 500, Deduct</i>	-2.25	
<i>For &gt;500, Deduct</i>	-2.69	
05 05 23 00-0585 EA 9/16" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	19.79	
<i>For &gt;100 To 250, Deduct</i>	-1.80	
<i>For &gt;250 To 500, Deduct</i>	-2.25	
<i>For &gt;500, Deduct</i>	-2.69	
05 05 23 00-0586 EA 9/16" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	23.92	
<i>For &gt;100 To 250, Deduct</i>	-1.84	
<i>For &gt;250 To 500, Deduct</i>	-2.30	
<i>For &gt;500, Deduct</i>	-2.76	
05 05 23 00-0587 EA 9/16" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	28.76	
<i>For &gt;100 To 250, Deduct</i>	-1.84	
<i>For &gt;250 To 500, Deduct</i>	-2.30	
<i>For &gt;500, Deduct</i>	-2.76	

**05 Metals****05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0588	EA		9/16" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	34.02	
			<i>For &gt;100 To 250, Deduct</i>	-1.84	
			<i>For &gt;250 To 500, Deduct</i>	-2.30	
			<i>For &gt;500, Deduct</i>	-2.76	
<b>05 05 23 00-0589</b>			<b>5/8" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts (05 05 23 00-0485)</b>		
05 05 23 00-0590	EA		5/8" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	11.45	
			<i>For &gt;100 To 250, Deduct</i>	-1.88	
			<i>For &gt;250 To 500, Deduct</i>	-2.35	
			<i>For &gt;500, Deduct</i>	-2.82	
05 05 23 00-0591	EA		5/8" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	11.63	
			<i>For &gt;100 To 250, Deduct</i>	-1.88	
			<i>For &gt;250 To 500, Deduct</i>	-2.35	
			<i>For &gt;500, Deduct</i>	-2.82	
05 05 23 00-0592	EA		5/8" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	12.10	
			<i>For &gt;100 To 250, Deduct</i>	-1.88	
			<i>For &gt;250 To 500, Deduct</i>	-2.35	
			<i>For &gt;500, Deduct</i>	-2.82	
05 05 23 00-0593	EA		5/8" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	12.99	
			<i>For &gt;100 To 250, Deduct</i>	-1.92	
			<i>For &gt;250 To 500, Deduct</i>	-2.40	
			<i>For &gt;500, Deduct</i>	-2.88	
05 05 23 00-0594	EA		5/8" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	13.55	
			<i>For &gt;100 To 250, Deduct</i>	-1.92	
			<i>For &gt;250 To 500, Deduct</i>	-2.40	
			<i>For &gt;500, Deduct</i>	-2.88	
05 05 23 00-0595	EA		5/8" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	13.86	
			<i>For &gt;100 To 250, Deduct</i>	-1.92	
			<i>For &gt;250 To 500, Deduct</i>	-2.40	
			<i>For &gt;500, Deduct</i>	-2.88	
05 05 23 00-0596	EA		5/8" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	14.28	
			<i>For &gt;100 To 250, Deduct</i>	-1.96	
			<i>For &gt;250 To 500, Deduct</i>	-2.45	
			<i>For &gt;500, Deduct</i>	-2.94	
05 05 23 00-0597	EA		5/8" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	15.29	
			<i>For &gt;100 To 250, Deduct</i>	-1.96	
			<i>For &gt;250 To 500, Deduct</i>	-2.45	
			<i>For &gt;500, Deduct</i>	-2.94	
05 05 23 00-0598	EA		5/8" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	15.73	
			<i>For &gt;100 To 250, Deduct</i>	-1.96	
			<i>For &gt;250 To 500, Deduct</i>	-2.45	
			<i>For &gt;500, Deduct</i>	-2.94	
05 05 23 00-0599	EA		5/8" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	16.42	
			<i>For &gt;100 To 250, Deduct</i>	-2.00	
			<i>For &gt;250 To 500, Deduct</i>	-2.51	
			<i>For &gt;500, Deduct</i>	-3.01	
05 05 23 00-0600	EA		5/8" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	16.89	
			<i>For &gt;100 To 250, Deduct</i>	-2.00	
			<i>For &gt;250 To 500, Deduct</i>	-2.51	
			<i>For &gt;500, Deduct</i>	-3.01	
05 05 23 00-0601	EA		5/8" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	17.88	
			<i>For &gt;100 To 250, Deduct</i>	-2.00	
			<i>For &gt;250 To 500, Deduct</i>	-2.51	
			<i>For &gt;500, Deduct</i>	-3.01	
05 05 23 00-0602	EA		5/8" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	20.44	
			<i>For &gt;100 To 250, Deduct</i>	-2.05	
			<i>For &gt;250 To 500, Deduct</i>	-2.56	
			<i>For &gt;500, Deduct</i>	-3.07	
05 05 23 00-0603	EA		5/8" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	21.57	
			<i>For &gt;100 To 250, Deduct</i>	-2.05	
			<i>For &gt;250 To 500, Deduct</i>	-2.56	
			<i>For &gt;500, Deduct</i>	-3.07	
05 05 23 00-0604	EA		5/8" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	22.04	
			<i>For &gt;100 To 250, Deduct</i>	-2.05	
			<i>For &gt;250 To 500, Deduct</i>	-2.56	
			<i>For &gt;500, Deduct</i>	-3.07	
05 05 23 00-0605	EA		5/8" Diameter x 8-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	24.24	
			<i>For &gt;100 To 250, Deduct</i>	-2.09	
			<i>For &gt;250 To 500, Deduct</i>	-2.61	
			<i>For &gt;500, Deduct</i>	-3.13	
05 05 23 00-0606	EA		5/8" Diameter x 9" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	26.46	
			<i>For &gt;100 To 250, Deduct</i>	-2.09	
			<i>For &gt;250 To 500, Deduct</i>	-2.61	
			<i>For &gt;500, Deduct</i>	-3.13	
05 05 23 00-0607	EA		5/8" Diameter x 9-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	26.63	
			<i>For &gt;100 To 250, Deduct</i>	-2.09	
			<i>For &gt;250 To 500, Deduct</i>	-2.61	
			<i>For &gt;500, Deduct</i>	-3.13	
05 05 23 00-0608	EA		5/8" Diameter x 10" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	28.69	
			<i>For &gt;100 To 250, Deduct</i>	-2.09	
			<i>For &gt;250 To 500, Deduct</i>	-2.61	
			<i>For &gt;500, Deduct</i>	-3.13	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>05 05 23 00-0609     3/4" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts</b> <small>(05 05 23 00-0485)</small>		
05 05 23 00-0610    EA   3/4" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	12.50	
For >100 To 250, Deduct	-1.88	
For >250 To 500, Deduct	-2.35	
For >500, Deduct	-2.82	
05 05 23 00-0611    EA   3/4" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	12.70	
For >100 To 250, Deduct	-1.88	
For >250 To 500, Deduct	-2.35	
For >500, Deduct	-2.82	
05 05 23 00-0612    EA   3/4" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	12.83	
For >100 To 250, Deduct	-1.88	
For >250 To 500, Deduct	-2.35	
For >500, Deduct	-2.82	
05 05 23 00-0613    EA   3/4" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	13.32	
For >100 To 250, Deduct	-1.92	
For >250 To 500, Deduct	-2.40	
For >500, Deduct	-2.88	
05 05 23 00-0614    EA   3/4" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	13.74	
For >100 To 250, Deduct	-1.92	
For >250 To 500, Deduct	-2.40	
For >500, Deduct	-2.88	
05 05 23 00-0615    EA   3/4" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	14.94	
For >100 To 250, Deduct	-1.92	
For >250 To 500, Deduct	-2.40	
For >500, Deduct	-2.88	
05 05 23 00-0616    EA   3/4" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	15.66	
For >100 To 250, Deduct	-1.96	
For >250 To 500, Deduct	-2.45	
For >500, Deduct	-2.94	
05 05 23 00-0617    EA   3/4" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	15.76	
For >100 To 250, Deduct	-1.96	
For >250 To 500, Deduct	-2.45	
For >500, Deduct	-2.94	
05 05 23 00-0618    EA   3/4" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	17.40	
For >100 To 250, Deduct	-1.96	
For >250 To 500, Deduct	-2.45	
For >500, Deduct	-2.94	
05 05 23 00-0619    EA   3/4" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	18.20	
For >100 To 250, Deduct	-2.00	
For >250 To 500, Deduct	-2.51	
For >500, Deduct	-3.01	
05 05 23 00-0620    EA   3/4" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	19.06	
For >100 To 250, Deduct	-2.00	
For >250 To 500, Deduct	-2.51	
For >500, Deduct	-3.01	
05 05 23 00-0621    EA   3/4" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	20.66	
For >100 To 250, Deduct	-2.00	
For >250 To 500, Deduct	-2.51	
For >500, Deduct	-3.01	
05 05 23 00-0622    EA   3/4" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	22.82	
For >100 To 250, Deduct	-2.05	
For >250 To 500, Deduct	-2.56	
For >500, Deduct	-3.07	
05 05 23 00-0623    EA   3/4" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	23.68	
For >100 To 250, Deduct	-2.05	
For >250 To 500, Deduct	-2.56	
For >500, Deduct	-3.07	
05 05 23 00-0624    EA   3/4" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	24.12	
For >100 To 250, Deduct	-2.05	
For >250 To 500, Deduct	-2.56	
For >500, Deduct	-3.07	
05 05 23 00-0625    EA   3/4" Diameter x 8-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	26.43	
For >100 To 250, Deduct	-2.09	
For >250 To 500, Deduct	-2.61	
For >500, Deduct	-3.13	
05 05 23 00-0626    EA   3/4" Diameter x 9" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	27.98	
For >100 To 250, Deduct	-2.09	
For >250 To 500, Deduct	-2.61	
For >500, Deduct	-3.13	
05 05 23 00-0627    EA   3/4" Diameter x 9-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	29.10	
For >100 To 250, Deduct	-2.09	
For >250 To 500, Deduct	-2.61	
For >500, Deduct	-3.13	
05 05 23 00-0628    EA   3/4" Diameter x 10" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	29.51	
For >100 To 250, Deduct	-2.09	
For >250 To 500, Deduct	-2.61	
For >500, Deduct	-3.13	
<b>05 05 23 00-0629     7/8" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts</b> <small>(05 05 23 00-0485)</small>		
05 05 23 00-0630    EA   7/8" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	16.43	
For >100 To 250, Deduct	-2.09	
For >250 To 500, Deduct	-2.61	
For >500, Deduct	-3.13	

**05 Metals****05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0631 EA 7/8" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	16.96	
For >100 To 250, Deduct	-2.09	
For >250 To 500, Deduct	-2.61	
For >500, Deduct	-3.13	
05 05 23 00-0632 EA 7/8" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	17.96	
For >100 To 250, Deduct	-2.13	
For >250 To 500, Deduct	-2.66	
For >500, Deduct	-3.20	
05 05 23 00-0633 EA 7/8" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	19.55	
For >100 To 250, Deduct	-2.13	
For >250 To 500, Deduct	-2.66	
For >500, Deduct	-3.20	
05 05 23 00-0634 EA 7/8" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	19.73	
For >100 To 250, Deduct	-2.13	
For >250 To 500, Deduct	-2.66	
For >500, Deduct	-3.20	
05 05 23 00-0635 EA 7/8" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	20.28	
For >100 To 250, Deduct	-2.17	
For >250 To 500, Deduct	-2.72	
For >500, Deduct	-3.26	
05 05 23 00-0636 EA 7/8" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	24.11	
For >100 To 250, Deduct	-2.17	
For >250 To 500, Deduct	-2.72	
For >500, Deduct	-3.26	
05 05 23 00-0637 EA 7/8" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	25.09	
For >100 To 250, Deduct	-2.17	
For >250 To 500, Deduct	-2.72	
For >500, Deduct	-3.26	
05 05 23 00-0638 EA 7/8" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	27.57	
For >100 To 250, Deduct	-2.21	
For >250 To 500, Deduct	-2.77	
For >500, Deduct	-3.32	
05 05 23 00-0639 EA 7/8" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	29.01	
For >100 To 250, Deduct	-2.21	
For >250 To 500, Deduct	-2.77	
For >500, Deduct	-3.32	
05 05 23 00-0640 EA 7/8" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	32.71	
For >100 To 250, Deduct	-2.21	
For >250 To 500, Deduct	-2.77	
For >500, Deduct	-3.32	
05 05 23 00-0641 EA 7/8" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	34.15	
For >100 To 250, Deduct	-2.25	
For >250 To 500, Deduct	-2.82	
For >500, Deduct	-3.38	
05 05 23 00-0642 EA 7/8" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	37.97	
For >100 To 250, Deduct	-2.25	
For >250 To 500, Deduct	-2.82	
For >500, Deduct	-3.38	
05 05 23 00-0643 EA 7/8" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	39.51	
For >100 To 250, Deduct	-2.25	
For >250 To 500, Deduct	-2.82	
For >500, Deduct	-3.38	
05 05 23 00-0644 EA 7/8" Diameter x 8-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	40.95	
For >100 To 250, Deduct	-2.30	
For >250 To 500, Deduct	-2.87	
For >500, Deduct	-3.44	
05 05 23 00-0645 EA 7/8" Diameter x 9" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	41.40	
For >100 To 250, Deduct	-2.30	
For >250 To 500, Deduct	-2.87	
For >500, Deduct	-3.44	
05 05 23 00-0646 EA 7/8" Diameter x 9-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	41.78	
For >100 To 250, Deduct	-2.30	
For >250 To 500, Deduct	-2.87	
For >500, Deduct	-3.44	
05 05 23 00-0647 EA 7/8" Diameter x 10" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	42.69	
For >100 To 250, Deduct	-2.30	
For >250 To 500, Deduct	-2.87	
For >500, Deduct	-3.44	
<b>05 05 23 00-0648 1" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts (05 05 23 00-0485)</b>		
05 05 23 00-0649 EA 1" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	17.94	
For >100 To 250, Deduct	-2.09	
For >250 To 500, Deduct	-2.61	
For >500, Deduct	-3.13	
05 05 23 00-0650 EA 1" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	19.27	
For >100 To 250, Deduct	-2.09	
For >250 To 500, Deduct	-2.61	
For >500, Deduct	-3.13	
05 05 23 00-0651 EA 1" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	20.07	
For >100 To 250, Deduct	-2.13	
For >250 To 500, Deduct	-2.66	
For >500, Deduct	-3.20	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0652 EA 1" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	21.06	
<i>For &gt;100 To 250, Deduct</i>	-2.13	
<i>For &gt;250 To 500, Deduct</i>	-2.66	
<i>For &gt;500, Deduct</i>	-3.20	
05 05 23 00-0653 EA 1" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	22.92	
<i>For &gt;100 To 250, Deduct</i>	-2.13	
<i>For &gt;250 To 500, Deduct</i>	-2.66	
<i>For &gt;500, Deduct</i>	-3.20	
05 05 23 00-0654 EA 1" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	23.62	
<i>For &gt;100 To 250, Deduct</i>	-2.17	
<i>For &gt;250 To 500, Deduct</i>	-2.72	
<i>For &gt;500, Deduct</i>	-3.26	
05 05 23 00-0655 EA 1" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	25.22	
<i>For &gt;100 To 250, Deduct</i>	-2.17	
<i>For &gt;250 To 500, Deduct</i>	-2.72	
<i>For &gt;500, Deduct</i>	-3.26	
05 05 23 00-0656 EA 1" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	27.36	
<i>For &gt;100 To 250, Deduct</i>	-2.17	
<i>For &gt;250 To 500, Deduct</i>	-2.72	
<i>For &gt;500, Deduct</i>	-3.26	
05 05 23 00-0657 EA 1" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	28.58	
<i>For &gt;100 To 250, Deduct</i>	-2.21	
<i>For &gt;250 To 500, Deduct</i>	-2.77	
<i>For &gt;500, Deduct</i>	-3.32	
05 05 23 00-0658 EA 1" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	29.48	
<i>For &gt;100 To 250, Deduct</i>	-2.21	
<i>For &gt;250 To 500, Deduct</i>	-2.77	
<i>For &gt;500, Deduct</i>	-3.32	
05 05 23 00-0659 EA 1" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	33.95	
<i>For &gt;100 To 250, Deduct</i>	-2.21	
<i>For &gt;250 To 500, Deduct</i>	-2.77	
<i>For &gt;500, Deduct</i>	-3.32	
05 05 23 00-0660 EA 1" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	34.84	
<i>For &gt;100 To 250, Deduct</i>	-2.25	
<i>For &gt;250 To 500, Deduct</i>	-2.82	
<i>For &gt;500, Deduct</i>	-3.38	
05 05 23 00-0661 EA 1" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	39.89	
<i>For &gt;100 To 250, Deduct</i>	-2.25	
<i>For &gt;250 To 500, Deduct</i>	-2.82	
<i>For &gt;500, Deduct</i>	-3.38	
05 05 23 00-0662 EA 1" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	40.76	
<i>For &gt;100 To 250, Deduct</i>	-2.25	
<i>For &gt;250 To 500, Deduct</i>	-2.82	
<i>For &gt;500, Deduct</i>	-3.38	
05 05 23 00-0663 EA 1" Diameter x 8-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	43.66	
<i>For &gt;100 To 250, Deduct</i>	-2.30	
<i>For &gt;250 To 500, Deduct</i>	-2.87	
<i>For &gt;500, Deduct</i>	-3.44	
05 05 23 00-0664 EA 1" Diameter x 9" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	45.12	
<i>For &gt;100 To 250, Deduct</i>	-2.30	
<i>For &gt;250 To 500, Deduct</i>	-2.87	
<i>For &gt;500, Deduct</i>	-3.44	
05 05 23 00-0665 EA 1" Diameter x 9-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	48.97	
<i>For &gt;100 To 250, Deduct</i>	-2.30	
<i>For &gt;250 To 500, Deduct</i>	-2.87	
<i>For &gt;500, Deduct</i>	-3.44	
05 05 23 00-0666 EA 1" Diameter x 10" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	51.32	
<i>For &gt;100 To 250, Deduct</i>	-2.30	
<i>For &gt;250 To 500, Deduct</i>	-2.87	
<i>For &gt;500, Deduct</i>	-3.44	
05 05 23 00-0667 Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0110)</small>		
05 05 23 00-0668 1/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0667)</small>		
05 05 23 00-0669 EA 1/4" Diameter x 1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	7.69	
<i>For &gt;100 To 250, Deduct</i>	-1.46	
<i>For &gt;250 To 500, Deduct</i>	-1.83	
<i>For &gt;500, Deduct</i>	-2.19	
05 05 23 00-0670 EA 1/4" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	7.71	
<i>For &gt;100 To 250, Deduct</i>	-1.46	
<i>For &gt;250 To 500, Deduct</i>	-1.83	
<i>For &gt;500, Deduct</i>	-2.19	
05 05 23 00-0671 EA 1/4" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	7.73	
<i>For &gt;100 To 250, Deduct</i>	-1.46	
<i>For &gt;250 To 500, Deduct</i>	-1.83	
<i>For &gt;500, Deduct</i>	-2.19	
05 05 23 00-0672 EA 1/4" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	8.01	
<i>For &gt;100 To 250, Deduct</i>	-1.46	
<i>For &gt;250 To 500, Deduct</i>	-1.83	
<i>For &gt;500, Deduct</i>	-2.19	

**05 Metals****05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0673	EA	1/4" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.35	
		<i>For &gt;100 To 250, Deduct</i>	-1.50	
		<i>For &gt;250 To 500, Deduct</i>	-1.88	
		<i>For &gt;500, Deduct</i>	-2.26	
05 05 23 00-0674	EA	1/4" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.51	
		<i>For &gt;100 To 250, Deduct</i>	-1.50	
		<i>For &gt;250 To 500, Deduct</i>	-1.88	
		<i>For &gt;500, Deduct</i>	-2.26	
05 05 23 00-0675	EA	1/4" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.58	
		<i>For &gt;100 To 250, Deduct</i>	-1.50	
		<i>For &gt;250 To 500, Deduct</i>	-1.88	
		<i>For &gt;500, Deduct</i>	-2.26	
05 05 23 00-0676	EA	1/4" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.81	
		<i>For &gt;100 To 250, Deduct</i>	-1.55	
		<i>For &gt;250 To 500, Deduct</i>	-1.93	
		<i>For &gt;500, Deduct</i>	-2.32	
05 05 23 00-0677	EA	1/4" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.00	
		<i>For &gt;100 To 250, Deduct</i>	-1.55	
		<i>For &gt;250 To 500, Deduct</i>	-1.93	
		<i>For &gt;500, Deduct</i>	-2.32	
05 05 23 00-0678	EA	1/4" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.05	
		<i>For &gt;100 To 250, Deduct</i>	-1.55	
		<i>For &gt;250 To 500, Deduct</i>	-1.93	
		<i>For &gt;500, Deduct</i>	-2.32	
05 05 23 00-0679	EA	1/4" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.38	
		<i>For &gt;100 To 250, Deduct</i>	-1.59	
		<i>For &gt;250 To 500, Deduct</i>	-1.98	
		<i>For &gt;500, Deduct</i>	-2.38	
05 05 23 00-0680	EA	1/4" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.55	
		<i>For &gt;100 To 250, Deduct</i>	-1.59	
		<i>For &gt;250 To 500, Deduct</i>	-1.98	
		<i>For &gt;500, Deduct</i>	-2.38	
05 05 23 00-0681	EA	1/4" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.61	
		<i>For &gt;100 To 250, Deduct</i>	-1.59	
		<i>For &gt;250 To 500, Deduct</i>	-1.98	
		<i>For &gt;500, Deduct</i>	-2.38	
05 05 23 00-0682	EA	1/4" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.97	
		<i>For &gt;100 To 250, Deduct</i>	-1.63	
		<i>For &gt;250 To 500, Deduct</i>	-2.04	
		<i>For &gt;500, Deduct</i>	-2.44	
05 05 23 00-0683	EA	1/4" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.43	
		<i>For &gt;100 To 250, Deduct</i>	-1.63	
		<i>For &gt;250 To 500, Deduct</i>	-2.04	
		<i>For &gt;500, Deduct</i>	-2.44	
05 05 23 00-0684	EA	1/4" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.01	
		<i>For &gt;100 To 250, Deduct</i>	-1.63	
		<i>For &gt;250 To 500, Deduct</i>	-2.04	
		<i>For &gt;500, Deduct</i>	-2.44	
<b>05 05 23 00-0685</b>		<b>5/16" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0667)</small></b>		
05 05 23 00-0686	EA	5/16" Diameter x 1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.57	
		<i>For &gt;100 To 250, Deduct</i>	-1.46	
		<i>For &gt;250 To 500, Deduct</i>	-1.83	
		<i>For &gt;500, Deduct</i>	-2.19	
05 05 23 00-0687	EA	5/16" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.09	
		<i>For &gt;100 To 250, Deduct</i>	-1.46	
		<i>For &gt;250 To 500, Deduct</i>	-1.83	
		<i>For &gt;500, Deduct</i>	-2.19	
05 05 23 00-0688	EA	5/16" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.14	
		<i>For &gt;100 To 250, Deduct</i>	-1.46	
		<i>For &gt;250 To 500, Deduct</i>	-1.83	
		<i>For &gt;500, Deduct</i>	-2.19	
05 05 23 00-0689	EA	5/16" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.16	
		<i>For &gt;100 To 250, Deduct</i>	-1.46	
		<i>For &gt;250 To 500, Deduct</i>	-1.83	
		<i>For &gt;500, Deduct</i>	-2.19	
05 05 23 00-0690	EA	5/16" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.61	
		<i>For &gt;100 To 250, Deduct</i>	-1.50	
		<i>For &gt;250 To 500, Deduct</i>	-1.88	
		<i>For &gt;500, Deduct</i>	-2.26	
05 05 23 00-0691	EA	5/16" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.11	
		<i>For &gt;100 To 250, Deduct</i>	-1.50	
		<i>For &gt;250 To 500, Deduct</i>	-1.88	
		<i>For &gt;500, Deduct</i>	-2.26	
05 05 23 00-0692	EA	5/16" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.20	
		<i>For &gt;100 To 250, Deduct</i>	-1.50	
		<i>For &gt;250 To 500, Deduct</i>	-1.88	
		<i>For &gt;500, Deduct</i>	-2.26	
05 05 23 00-0693	EA	5/16" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.55	
		<i>For &gt;100 To 250, Deduct</i>	-1.55	
		<i>For &gt;250 To 500, Deduct</i>	-1.93	
		<i>For &gt;500, Deduct</i>	-2.32	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0694 EA 5/16" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.59	
<i>For &gt;100 To 250, Deduct</i>	-1.55	
<i>For &gt;250 To 500, Deduct</i>	-1.93	
<i>For &gt;500, Deduct</i>	-2.32	
05 05 23 00-0695 EA 5/16" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.99	
<i>For &gt;100 To 250, Deduct</i>	-1.55	
<i>For &gt;250 To 500, Deduct</i>	-1.93	
<i>For &gt;500, Deduct</i>	-2.32	
05 05 23 00-0696 EA 5/16" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.30	
<i>For &gt;100 To 250, Deduct</i>	-1.59	
<i>For &gt;250 To 500, Deduct</i>	-1.98	
<i>For &gt;500, Deduct</i>	-2.38	
05 05 23 00-0697 EA 5/16" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.45	
<i>For &gt;100 To 250, Deduct</i>	-1.59	
<i>For &gt;250 To 500, Deduct</i>	-1.98	
<i>For &gt;500, Deduct</i>	-2.38	
05 05 23 00-0698 EA 5/16" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.83	
<i>For &gt;100 To 250, Deduct</i>	-1.59	
<i>For &gt;250 To 500, Deduct</i>	-1.98	
<i>For &gt;500, Deduct</i>	-2.38	
05 05 23 00-0699 EA 5/16" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.80	
<i>For &gt;100 To 250, Deduct</i>	-1.63	
<i>For &gt;250 To 500, Deduct</i>	-2.04	
<i>For &gt;500, Deduct</i>	-2.44	
05 05 23 00-0700 EA 5/16" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.41	
<i>For &gt;100 To 250, Deduct</i>	-1.63	
<i>For &gt;250 To 500, Deduct</i>	-2.04	
<i>For &gt;500, Deduct</i>	-2.44	
05 05 23 00-0701 EA 5/16" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.98	
<i>For &gt;100 To 250, Deduct</i>	-1.63	
<i>For &gt;250 To 500, Deduct</i>	-2.04	
<i>For &gt;500, Deduct</i>	-2.44	
<b>05 05 23 00-0702 3/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts</b>		
<small>(05 05 23 00-0667)</small>		
05 05 23 00-0703 EA 3/8" Diameter x 1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.73	
<i>For &gt;100 To 250, Deduct</i>	-1.46	
<i>For &gt;250 To 500, Deduct</i>	-1.83	
<i>For &gt;500, Deduct</i>	-2.19	
05 05 23 00-0704 EA 3/8" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.85	
<i>For &gt;100 To 250, Deduct</i>	-1.46	
<i>For &gt;250 To 500, Deduct</i>	-1.83	
<i>For &gt;500, Deduct</i>	-2.19	
05 05 23 00-0705 EA 3/8" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	7.98	
<i>For &gt;100 To 250, Deduct</i>	-1.46	
<i>For &gt;250 To 500, Deduct</i>	-1.83	
<i>For &gt;500, Deduct</i>	-2.19	
05 05 23 00-0706 EA 3/8" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.30	
<i>For &gt;100 To 250, Deduct</i>	-1.46	
<i>For &gt;250 To 500, Deduct</i>	-1.83	
<i>For &gt;500, Deduct</i>	-2.19	
05 05 23 00-0707 EA 3/8" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.65	
<i>For &gt;100 To 250, Deduct</i>	-1.50	
<i>For &gt;250 To 500, Deduct</i>	-1.88	
<i>For &gt;500, Deduct</i>	-2.26	
05 05 23 00-0708 EA 3/8" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.92	
<i>For &gt;100 To 250, Deduct</i>	-1.50	
<i>For &gt;250 To 500, Deduct</i>	-1.88	
<i>For &gt;500, Deduct</i>	-2.26	
05 05 23 00-0709 EA 3/8" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.11	
<i>For &gt;100 To 250, Deduct</i>	-1.50	
<i>For &gt;250 To 500, Deduct</i>	-1.88	
<i>For &gt;500, Deduct</i>	-2.26	
05 05 23 00-0710 EA 3/8" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.58	
<i>For &gt;100 To 250, Deduct</i>	-1.55	
<i>For &gt;250 To 500, Deduct</i>	-1.93	
<i>For &gt;500, Deduct</i>	-2.32	
05 05 23 00-0711 EA 3/8" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.71	
<i>For &gt;100 To 250, Deduct</i>	-1.55	
<i>For &gt;250 To 500, Deduct</i>	-1.93	
<i>For &gt;500, Deduct</i>	-2.32	
05 05 23 00-0712 EA 3/8" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.03	
<i>For &gt;100 To 250, Deduct</i>	-1.55	
<i>For &gt;250 To 500, Deduct</i>	-1.93	
<i>For &gt;500, Deduct</i>	-2.32	
05 05 23 00-0713 EA 3/8" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.37	
<i>For &gt;100 To 250, Deduct</i>	-1.59	
<i>For &gt;250 To 500, Deduct</i>	-1.98	
<i>For &gt;500, Deduct</i>	-2.38	
05 05 23 00-0714 EA 3/8" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.81	
<i>For &gt;100 To 250, Deduct</i>	-1.59	
<i>For &gt;250 To 500, Deduct</i>	-1.98	
<i>For &gt;500, Deduct</i>	-2.38	

**05 Metals****05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0715	EA		3/8" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.89	
			<i>For &gt;100 To 250, Deduct</i>	-1.59	
			<i>For &gt;250 To 500, Deduct</i>	-1.98	
			<i>For &gt;500, Deduct</i>	-2.38	
05 05 23 00-0716	EA		3/8" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.13	
			<i>For &gt;100 To 250, Deduct</i>	-1.63	
			<i>For &gt;250 To 500, Deduct</i>	-2.04	
			<i>For &gt;500, Deduct</i>	-2.44	
05 05 23 00-0717	EA		3/8" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.18	
			<i>For &gt;100 To 250, Deduct</i>	-1.63	
			<i>For &gt;250 To 500, Deduct</i>	-2.04	
			<i>For &gt;500, Deduct</i>	-2.44	
05 05 23 00-0718	EA		3/8" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.70	
			<i>For &gt;100 To 250, Deduct</i>	-1.63	
			<i>For &gt;250 To 500, Deduct</i>	-2.04	
			<i>For &gt;500, Deduct</i>	-2.44	
<b>05 05 23 00-0719</b>			<b>7/16" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts</b> <small>(05 05 23 00-0667)</small>		
05 05 23 00-0720	EA		7/16" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.56	
			<i>For &gt;100 To 250, Deduct</i>	-1.67	
			<i>For &gt;250 To 500, Deduct</i>	-2.09	
			<i>For &gt;500, Deduct</i>	-2.51	
05 05 23 00-0721	EA		7/16" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.14	
			<i>For &gt;100 To 250, Deduct</i>	-1.67	
			<i>For &gt;250 To 500, Deduct</i>	-2.09	
			<i>For &gt;500, Deduct</i>	-2.51	
05 05 23 00-0722	EA		7/16" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.58	
			<i>For &gt;100 To 250, Deduct</i>	-1.67	
			<i>For &gt;250 To 500, Deduct</i>	-2.09	
			<i>For &gt;500, Deduct</i>	-2.51	
05 05 23 00-0723	EA		7/16" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.54	
			<i>For &gt;100 To 250, Deduct</i>	-1.71	
			<i>For &gt;250 To 500, Deduct</i>	-2.14	
			<i>For &gt;500, Deduct</i>	-2.57	
05 05 23 00-0724	EA		7/16" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.57	
			<i>For &gt;100 To 250, Deduct</i>	-1.71	
			<i>For &gt;250 To 500, Deduct</i>	-2.14	
			<i>For &gt;500, Deduct</i>	-2.57	
05 05 23 00-0725	EA		7/16" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.61	
			<i>For &gt;100 To 250, Deduct</i>	-1.71	
			<i>For &gt;250 To 500, Deduct</i>	-2.14	
			<i>For &gt;500, Deduct</i>	-2.57	
05 05 23 00-0726	EA		7/16" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.18	
			<i>For &gt;100 To 250, Deduct</i>	-1.75	
			<i>For &gt;250 To 500, Deduct</i>	-2.19	
			<i>For &gt;500, Deduct</i>	-2.63	
05 05 23 00-0727	EA		7/16" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.59	
			<i>For &gt;100 To 250, Deduct</i>	-1.75	
			<i>For &gt;250 To 500, Deduct</i>	-2.19	
			<i>For &gt;500, Deduct</i>	-2.63	
05 05 23 00-0728	EA		7/16" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.96	
			<i>For &gt;100 To 250, Deduct</i>	-1.75	
			<i>For &gt;250 To 500, Deduct</i>	-2.19	
			<i>For &gt;500, Deduct</i>	-2.63	
05 05 23 00-0729	EA		7/16" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.59	
			<i>For &gt;100 To 250, Deduct</i>	-1.80	
			<i>For &gt;250 To 500, Deduct</i>	-2.25	
			<i>For &gt;500, Deduct</i>	-2.69	
05 05 23 00-0730	EA		7/16" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.02	
			<i>For &gt;100 To 250, Deduct</i>	-1.80	
			<i>For &gt;250 To 500, Deduct</i>	-2.25	
			<i>For &gt;500, Deduct</i>	-2.69	
<b>05 05 23 00-0731</b>			<b>1/2" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts</b> <small>(05 05 23 00-0667)</small>		
05 05 23 00-0732	EA		1/2" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.31	
			<i>For &gt;100 To 250, Deduct</i>	-1.67	
			<i>For &gt;250 To 500, Deduct</i>	-2.09	
			<i>For &gt;500, Deduct</i>	-2.51	
05 05 23 00-0733	EA		1/2" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.50	
			<i>For &gt;100 To 250, Deduct</i>	-1.67	
			<i>For &gt;250 To 500, Deduct</i>	-2.09	
			<i>For &gt;500, Deduct</i>	-2.51	
05 05 23 00-0734	EA		1/2" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.87	
			<i>For &gt;100 To 250, Deduct</i>	-1.67	
			<i>For &gt;250 To 500, Deduct</i>	-2.09	
			<i>For &gt;500, Deduct</i>	-2.51	
05 05 23 00-0735	EA		1/2" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.51	
			<i>For &gt;100 To 250, Deduct</i>	-1.71	
			<i>For &gt;250 To 500, Deduct</i>	-2.14	
			<i>For &gt;500, Deduct</i>	-2.57	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0736 EA 1/2" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.80	
<i>For &gt;100 To 250, Deduct</i>	-1.71	
<i>For &gt;250 To 500, Deduct</i>	-2.14	
<i>For &gt;500, Deduct</i>	-2.57	
05 05 23 00-0737 EA 1/2" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.34	
<i>For &gt;100 To 250, Deduct</i>	-1.71	
<i>For &gt;250 To 500, Deduct</i>	-2.14	
<i>For &gt;500, Deduct</i>	-2.57	
05 05 23 00-0738 EA 1/2" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.63	
<i>For &gt;100 To 250, Deduct</i>	-1.75	
<i>For &gt;250 To 500, Deduct</i>	-2.19	
<i>For &gt;500, Deduct</i>	-2.63	
05 05 23 00-0739 EA 1/2" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.83	
<i>For &gt;100 To 250, Deduct</i>	-1.75	
<i>For &gt;250 To 500, Deduct</i>	-2.19	
<i>For &gt;500, Deduct</i>	-2.63	
05 05 23 00-0740 EA 1/2" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.26	
<i>For &gt;100 To 250, Deduct</i>	-1.75	
<i>For &gt;250 To 500, Deduct</i>	-2.19	
<i>For &gt;500, Deduct</i>	-2.63	
05 05 23 00-0741 EA 1/2" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.67	
<i>For &gt;100 To 250, Deduct</i>	-1.80	
<i>For &gt;250 To 500, Deduct</i>	-2.25	
<i>For &gt;500, Deduct</i>	-2.69	
05 05 23 00-0742 EA 1/2" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.15	
<i>For &gt;100 To 250, Deduct</i>	-1.80	
<i>For &gt;250 To 500, Deduct</i>	-2.25	
<i>For &gt;500, Deduct</i>	-2.69	
05 05 23 00-0743 EA 1/2" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.19	
<i>For &gt;100 To 250, Deduct</i>	-1.80	
<i>For &gt;250 To 500, Deduct</i>	-2.25	
<i>For &gt;500, Deduct</i>	-2.69	
05 05 23 00-0744 EA 1/2" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.49	
<i>For &gt;100 To 250, Deduct</i>	-1.84	
<i>For &gt;250 To 500, Deduct</i>	-2.30	
<i>For &gt;500, Deduct</i>	-2.76	
05 05 23 00-0745 EA 1/2" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.62	
<i>For &gt;100 To 250, Deduct</i>	-1.84	
<i>For &gt;250 To 500, Deduct</i>	-2.30	
<i>For &gt;500, Deduct</i>	-2.76	
05 05 23 00-0746 EA 1/2" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.98	
<i>For &gt;100 To 250, Deduct</i>	-1.84	
<i>For &gt;250 To 500, Deduct</i>	-2.30	
<i>For &gt;500, Deduct</i>	-2.76	
05 05 23 00-0747 EA 1/2" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.90	
<i>For &gt;100 To 250, Deduct</i>	-1.88	
<i>For &gt;250 To 500, Deduct</i>	-2.35	
<i>For &gt;500, Deduct</i>	-2.82	
05 05 23 00-0748 EA 1/2" Diameter x 9" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	16.19	
<i>For &gt;100 To 250, Deduct</i>	-1.88	
<i>For &gt;250 To 500, Deduct</i>	-2.35	
<i>For &gt;500, Deduct</i>	-2.82	
05 05 23 00-0749 EA 1/2" Diameter x 9-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	16.25	
<i>For &gt;100 To 250, Deduct</i>	-1.88	
<i>For &gt;250 To 500, Deduct</i>	-2.35	
<i>For &gt;500, Deduct</i>	-2.82	
05 05 23 00-0750 EA 1/2" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	16.42	
<i>For &gt;100 To 250, Deduct</i>	-1.88	
<i>For &gt;250 To 500, Deduct</i>	-2.35	
<i>For &gt;500, Deduct</i>	-2.82	
<b>05 05 23 00-0751 5/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts</b>		
<small>(05 05 23 00-0667)</small>		
05 05 23 00-0752 EA 5/8" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.03	
<i>For &gt;100 To 250, Deduct</i>	-1.88	
<i>For &gt;250 To 500, Deduct</i>	-2.35	
<i>For &gt;500, Deduct</i>	-2.82	
05 05 23 00-0753 EA 5/8" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.32	
<i>For &gt;100 To 250, Deduct</i>	-1.88	
<i>For &gt;250 To 500, Deduct</i>	-2.35	
<i>For &gt;500, Deduct</i>	-2.82	
05 05 23 00-0754 EA 5/8" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.52	
<i>For &gt;100 To 250, Deduct</i>	-1.88	
<i>For &gt;250 To 500, Deduct</i>	-2.35	
<i>For &gt;500, Deduct</i>	-2.82	
05 05 23 00-0755 EA 5/8" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.04	
<i>For &gt;100 To 250, Deduct</i>	-1.92	
<i>For &gt;250 To 500, Deduct</i>	-2.40	
<i>For &gt;500, Deduct</i>	-2.88	
05 05 23 00-0756 EA 5/8" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.47	
<i>For &gt;100 To 250, Deduct</i>	-1.92	
<i>For &gt;250 To 500, Deduct</i>	-2.40	
<i>For &gt;500, Deduct</i>	-2.88	

**05 Metals****05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0757	EA	5/8" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.42	
		<i>For &gt;100 To 250, Deduct</i>	-1.92	
		<i>For &gt;250 To 500, Deduct</i>	-2.40	
		<i>For &gt;500, Deduct</i>	-2.88	
05 05 23 00-0758	EA	5/8" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.78	
		<i>For &gt;100 To 250, Deduct</i>	-1.96	
		<i>For &gt;250 To 500, Deduct</i>	-2.45	
		<i>For &gt;500, Deduct</i>	-2.94	
05 05 23 00-0759	EA	5/8" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.95	
		<i>For &gt;100 To 250, Deduct</i>	-1.96	
		<i>For &gt;250 To 500, Deduct</i>	-2.45	
		<i>For &gt;500, Deduct</i>	-2.94	
05 05 23 00-0760	EA	5/8" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.24	
		<i>For &gt;100 To 250, Deduct</i>	-1.96	
		<i>For &gt;250 To 500, Deduct</i>	-2.45	
		<i>For &gt;500, Deduct</i>	-2.94	
05 05 23 00-0761	EA	5/8" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.83	
		<i>For &gt;100 To 250, Deduct</i>	-2.00	
		<i>For &gt;250 To 500, Deduct</i>	-2.51	
		<i>For &gt;500, Deduct</i>	-3.01	
05 05 23 00-0762	EA	5/8" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.16	
		<i>For &gt;100 To 250, Deduct</i>	-2.00	
		<i>For &gt;250 To 500, Deduct</i>	-2.51	
		<i>For &gt;500, Deduct</i>	-3.01	
05 05 23 00-0763	EA	5/8" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	16.14	
		<i>For &gt;100 To 250, Deduct</i>	-2.00	
		<i>For &gt;250 To 500, Deduct</i>	-2.51	
		<i>For &gt;500, Deduct</i>	-3.01	
05 05 23 00-0764	EA	5/8" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	16.41	
		<i>For &gt;100 To 250, Deduct</i>	-2.05	
		<i>For &gt;250 To 500, Deduct</i>	-2.56	
		<i>For &gt;500, Deduct</i>	-3.07	
05 05 23 00-0765	EA	5/8" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	18.12	
		<i>For &gt;100 To 250, Deduct</i>	-2.05	
		<i>For &gt;250 To 500, Deduct</i>	-2.56	
		<i>For &gt;500, Deduct</i>	-3.07	
05 05 23 00-0766	EA	5/8" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	18.63	
		<i>For &gt;100 To 250, Deduct</i>	-2.05	
		<i>For &gt;250 To 500, Deduct</i>	-2.56	
		<i>For &gt;500, Deduct</i>	-3.07	
05 05 23 00-0767	EA	5/8" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	19.54	
		<i>For &gt;100 To 250, Deduct</i>	-2.09	
		<i>For &gt;250 To 500, Deduct</i>	-2.61	
		<i>For &gt;500, Deduct</i>	-3.13	
05 05 23 00-0768	EA	5/8" Diameter x 9" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	20.35	
		<i>For &gt;100 To 250, Deduct</i>	-2.09	
		<i>For &gt;250 To 500, Deduct</i>	-2.61	
		<i>For &gt;500, Deduct</i>	-3.13	
05 05 23 00-0769	EA	5/8" Diameter x 9-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	22.20	
		<i>For &gt;100 To 250, Deduct</i>	-2.09	
		<i>For &gt;250 To 500, Deduct</i>	-2.61	
		<i>For &gt;500, Deduct</i>	-3.13	
05 05 23 00-0770	EA	5/8" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	22.34	
		<i>For &gt;100 To 250, Deduct</i>	-2.09	
		<i>For &gt;250 To 500, Deduct</i>	-2.61	
		<i>For &gt;500, Deduct</i>	-3.13	
05 05 23 00-0771		<b>3/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts</b> <small>(05 05 23 00-0667)</small>		
05 05 23 00-0772	EA	3/4" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.42	
		<i>For &gt;100 To 250, Deduct</i>	-1.88	
		<i>For &gt;250 To 500, Deduct</i>	-2.35	
		<i>For &gt;500, Deduct</i>	-2.82	
05 05 23 00-0773	EA	3/4" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.48	
		<i>For &gt;100 To 250, Deduct</i>	-1.88	
		<i>For &gt;250 To 500, Deduct</i>	-2.35	
		<i>For &gt;500, Deduct</i>	-2.82	
05 05 23 00-0774	EA	3/4" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.83	
		<i>For &gt;100 To 250, Deduct</i>	-1.88	
		<i>For &gt;250 To 500, Deduct</i>	-2.35	
		<i>For &gt;500, Deduct</i>	-2.82	
05 05 23 00-0775	EA	3/4" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.83	
		<i>For &gt;100 To 250, Deduct</i>	-1.92	
		<i>For &gt;250 To 500, Deduct</i>	-2.40	
		<i>For &gt;500, Deduct</i>	-2.88	
05 05 23 00-0776	EA	3/4" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.16	
		<i>For &gt;100 To 250, Deduct</i>	-1.92	
		<i>For &gt;250 To 500, Deduct</i>	-2.40	
		<i>For &gt;500, Deduct</i>	-2.88	
05 05 23 00-0777	EA	3/4" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	16.01	
		<i>For &gt;100 To 250, Deduct</i>	-1.92	
		<i>For &gt;250 To 500, Deduct</i>	-2.40	
		<i>For &gt;500, Deduct</i>	-2.88	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0778 EA 3/4" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	16.68	
<i>For &gt;100 To 250, Deduct</i>	-1.96	
<i>For &gt;250 To 500, Deduct</i>	-2.45	
<i>For &gt;500, Deduct</i>	-2.94	
05 05 23 00-0779 EA 3/4" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	16.76	
<i>For &gt;100 To 250, Deduct</i>	-1.96	
<i>For &gt;250 To 500, Deduct</i>	-2.45	
<i>For &gt;500, Deduct</i>	-2.94	
05 05 23 00-0780 EA 3/4" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	16.94	
<i>For &gt;100 To 250, Deduct</i>	-1.96	
<i>For &gt;250 To 500, Deduct</i>	-2.45	
<i>For &gt;500, Deduct</i>	-2.94	
05 05 23 00-0781 EA 3/4" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	17.27	
<i>For &gt;100 To 250, Deduct</i>	-2.00	
<i>For &gt;250 To 500, Deduct</i>	-2.51	
<i>For &gt;500, Deduct</i>	-3.01	
05 05 23 00-0782 EA 3/4" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	18.40	
<i>For &gt;100 To 250, Deduct</i>	-2.00	
<i>For &gt;250 To 500, Deduct</i>	-2.51	
<i>For &gt;500, Deduct</i>	-3.01	
05 05 23 00-0783 EA 3/4" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	18.87	
<i>For &gt;100 To 250, Deduct</i>	-2.00	
<i>For &gt;250 To 500, Deduct</i>	-2.51	
<i>For &gt;500, Deduct</i>	-3.01	
05 05 23 00-0784 EA 3/4" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	20.00	
<i>For &gt;100 To 250, Deduct</i>	-2.05	
<i>For &gt;250 To 500, Deduct</i>	-2.56	
<i>For &gt;500, Deduct</i>	-3.07	
05 05 23 00-0785 EA 3/4" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	20.15	
<i>For &gt;100 To 250, Deduct</i>	-2.05	
<i>For &gt;250 To 500, Deduct</i>	-2.56	
<i>For &gt;500, Deduct</i>	-3.07	
05 05 23 00-0786 EA 3/4" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	20.61	
<i>For &gt;100 To 250, Deduct</i>	-2.05	
<i>For &gt;250 To 500, Deduct</i>	-2.56	
<i>For &gt;500, Deduct</i>	-3.07	
05 05 23 00-0787 EA 3/4" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	21.50	
<i>For &gt;100 To 250, Deduct</i>	-2.09	
<i>For &gt;250 To 500, Deduct</i>	-2.61	
<i>For &gt;500, Deduct</i>	-3.13	
05 05 23 00-0788 EA 3/4" Diameter x 9" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	21.98	
<i>For &gt;100 To 250, Deduct</i>	-2.09	
<i>For &gt;250 To 500, Deduct</i>	-2.61	
<i>For &gt;500, Deduct</i>	-3.13	
05 05 23 00-0789 EA 3/4" Diameter x 9-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	22.26	
<i>For &gt;100 To 250, Deduct</i>	-2.09	
<i>For &gt;250 To 500, Deduct</i>	-2.61	
<i>For &gt;500, Deduct</i>	-3.13	
05 05 23 00-0790 EA 3/4" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	22.40	
<i>For &gt;100 To 250, Deduct</i>	-2.09	
<i>For &gt;250 To 500, Deduct</i>	-2.61	
<i>For &gt;500, Deduct</i>	-3.13	
<b>05 05 23 00-0791 7/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts</b> <small>(05 05 23 00-0667)</small>		
05 05 23 00-0792 EA 7/8" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	16.22	
<i>For &gt;100 To 250, Deduct</i>	-2.09	
<i>For &gt;250 To 500, Deduct</i>	-2.61	
<i>For &gt;500, Deduct</i>	-3.13	
05 05 23 00-0793 EA 7/8" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	16.76	
<i>For &gt;100 To 250, Deduct</i>	-2.09	
<i>For &gt;250 To 500, Deduct</i>	-2.61	
<i>For &gt;500, Deduct</i>	-3.13	
05 05 23 00-0794 EA 7/8" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	17.29	
<i>For &gt;100 To 250, Deduct</i>	-2.13	
<i>For &gt;250 To 500, Deduct</i>	-2.66	
<i>For &gt;500, Deduct</i>	-3.20	
05 05 23 00-0795 EA 7/8" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	20.14	
<i>For &gt;100 To 250, Deduct</i>	-2.13	
<i>For &gt;250 To 500, Deduct</i>	-2.66	
<i>For &gt;500, Deduct</i>	-3.20	
05 05 23 00-0796 EA 7/8" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	20.57	
<i>For &gt;100 To 250, Deduct</i>	-2.13	
<i>For &gt;250 To 500, Deduct</i>	-2.66	
<i>For &gt;500, Deduct</i>	-3.20	
05 05 23 00-0797 EA 7/8" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	21.33	
<i>For &gt;100 To 250, Deduct</i>	-2.17	
<i>For &gt;250 To 500, Deduct</i>	-2.72	
<i>For &gt;500, Deduct</i>	-3.26	
05 05 23 00-0798 EA 7/8" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	21.93	
<i>For &gt;100 To 250, Deduct</i>	-2.17	
<i>For &gt;250 To 500, Deduct</i>	-2.72	
<i>For &gt;500, Deduct</i>	-3.26	

**05 Metals****05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0799 EA 7/8" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	22.69	
For>100 To 250, Deduct	-2.17	
For>250 To 500, Deduct	-2.72	
For>500, Deduct	-3.26	
05 05 23 00-0800 EA 7/8" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	23.43	
For>100 To 250, Deduct	-2.21	
For>250 To 500, Deduct	-2.77	
For>500, Deduct	-3.32	
05 05 23 00-0801 EA 7/8" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	24.03	
For>100 To 250, Deduct	-2.21	
For>250 To 500, Deduct	-2.77	
For>500, Deduct	-3.32	
05 05 23 00-0802 EA 7/8" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	28.75	
For>100 To 250, Deduct	-2.21	
For>250 To 500, Deduct	-2.77	
For>500, Deduct	-3.32	
05 05 23 00-0803 EA 7/8" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	29.60	
For>100 To 250, Deduct	-2.25	
For>250 To 500, Deduct	-2.82	
For>500, Deduct	-3.38	
05 05 23 00-0804 EA 7/8" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	30.70	
For>100 To 250, Deduct	-2.25	
For>250 To 500, Deduct	-2.82	
For>500, Deduct	-3.38	
05 05 23 00-0805 EA 7/8" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	30.96	
For>100 To 250, Deduct	-2.25	
For>250 To 500, Deduct	-2.82	
For>500, Deduct	-3.38	
05 05 23 00-0806 EA 7/8" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	31.48	
For>100 To 250, Deduct	-2.30	
For>250 To 500, Deduct	-2.87	
For>500, Deduct	-3.44	
05 05 23 00-0807 EA 7/8" Diameter x 9" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	32.09	
For>100 To 250, Deduct	-2.30	
For>250 To 500, Deduct	-2.87	
For>500, Deduct	-3.44	
05 05 23 00-0808 EA 7/8" Diameter x 9-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	32.85	
For>100 To 250, Deduct	-2.30	
For>250 To 500, Deduct	-2.87	
For>500, Deduct	-3.44	
05 05 23 00-0809 EA 7/8" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	33.57	
For>100 To 250, Deduct	-2.30	
For>250 To 500, Deduct	-2.87	
For>500, Deduct	-3.44	
<b>05 05 23 00-0810 1" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts</b> <small>(05 05 23 00-0667)</small>		
05 05 23 00-0811 EA 1" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	20.05	
For>100 To 250, Deduct	-2.09	
For>250 To 500, Deduct	-2.61	
For>500, Deduct	-3.13	
05 05 23 00-0812 EA 1" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	20.43	
For>100 To 250, Deduct	-2.13	
For>250 To 500, Deduct	-2.66	
For>500, Deduct	-3.20	
05 05 23 00-0813 EA 1" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	21.46	
For>100 To 250, Deduct	-2.13	
For>250 To 500, Deduct	-2.66	
For>500, Deduct	-3.20	
05 05 23 00-0814 EA 1" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	22.27	
For>100 To 250, Deduct	-2.13	
For>250 To 500, Deduct	-2.66	
For>500, Deduct	-3.20	
05 05 23 00-0815 EA 1" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	24.32	
For>100 To 250, Deduct	-2.17	
For>250 To 500, Deduct	-2.72	
For>500, Deduct	-3.26	
05 05 23 00-0816 EA 1" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	24.74	
For>100 To 250, Deduct	-2.17	
For>250 To 500, Deduct	-2.72	
For>500, Deduct	-3.26	
05 05 23 00-0817 EA 1" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	25.93	
For>100 To 250, Deduct	-2.17	
For>250 To 500, Deduct	-2.72	
For>500, Deduct	-3.26	
05 05 23 00-0818 EA 1" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	26.26	
For>100 To 250, Deduct	-2.21	
For>250 To 500, Deduct	-2.77	
For>500, Deduct	-3.32	
05 05 23 00-0819 EA 1" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	26.70	
For>100 To 250, Deduct	-2.21	
For>250 To 500, Deduct	-2.77	
For>500, Deduct	-3.32	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0820 EA 1" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	30.75	
<i>For &gt;100 To 250, Deduct</i>	-2.21	
<i>For &gt;250 To 500, Deduct</i>	-2.77	
<i>For &gt;500, Deduct</i>	-3.32	
05 05 23 00-0821 EA 1" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	31.71	
<i>For &gt;100 To 250, Deduct</i>	-2.25	
<i>For &gt;250 To 500, Deduct</i>	-2.82	
<i>For &gt;500, Deduct</i>	-3.38	
05 05 23 00-0822 EA 1" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	33.40	
<i>For &gt;100 To 250, Deduct</i>	-2.25	
<i>For &gt;250 To 500, Deduct</i>	-2.82	
<i>For &gt;500, Deduct</i>	-3.38	
05 05 23 00-0823 EA 1" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	35.08	
<i>For &gt;100 To 250, Deduct</i>	-2.25	
<i>For &gt;250 To 500, Deduct</i>	-2.82	
<i>For &gt;500, Deduct</i>	-3.38	
05 05 23 00-0824 EA 1" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	35.80	
<i>For &gt;100 To 250, Deduct</i>	-2.30	
<i>For &gt;250 To 500, Deduct</i>	-2.87	
<i>For &gt;500, Deduct</i>	-3.44	
05 05 23 00-0825 EA 1" Diameter x 9" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	37.15	
<i>For &gt;100 To 250, Deduct</i>	-2.30	
<i>For &gt;250 To 500, Deduct</i>	-2.87	
<i>For &gt;500, Deduct</i>	-3.44	
05 05 23 00-0826 EA 1" Diameter x 9-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	38.19	
<i>For &gt;100 To 250, Deduct</i>	-2.30	
<i>For &gt;250 To 500, Deduct</i>	-2.87	
<i>For &gt;500, Deduct</i>	-3.44	
05 05 23 00-0827 EA 1" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	39.72	
<i>For &gt;100 To 250, Deduct</i>	-2.30	
<i>For &gt;250 To 500, Deduct</i>	-2.87	
<i>For &gt;500, Deduct</i>	-3.44	
<b>05 05 23 00-0828 304/18-8 Stainless Steel, Hex Head Bolts</b> <small>(05 05 23 00-0110)</small>		
<b>05 05 23 00-0829 1/4" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts</b> <small>(05 05 23 00-0828)</small>		
05 05 23 00-0830 EA 1/4" Diameter x 1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	7.69	
<i>For &gt;100 To 250, Deduct</i>	-1.46	
<i>For &gt;250 To 500, Deduct</i>	-1.83	
<i>For &gt;500, Deduct</i>	-2.19	
05 05 23 00-0831 EA 1/4" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	7.84	
<i>For &gt;100 To 250, Deduct</i>	-1.46	
<i>For &gt;250 To 500, Deduct</i>	-1.83	
<i>For &gt;500, Deduct</i>	-2.19	
05 05 23 00-0832 EA 1/4" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	8.02	
<i>For &gt;100 To 250, Deduct</i>	-1.46	
<i>For &gt;250 To 500, Deduct</i>	-1.83	
<i>For &gt;500, Deduct</i>	-2.19	
05 05 23 00-0833 EA 1/4" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	8.22	
<i>For &gt;100 To 250, Deduct</i>	-1.46	
<i>For &gt;250 To 500, Deduct</i>	-1.83	
<i>For &gt;500, Deduct</i>	-2.19	
05 05 23 00-0834 EA 1/4" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	8.63	
<i>For &gt;100 To 250, Deduct</i>	-1.50	
<i>For &gt;250 To 500, Deduct</i>	-1.88	
<i>For &gt;500, Deduct</i>	-2.26	
05 05 23 00-0835 EA 1/4" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	8.93	
<i>For &gt;100 To 250, Deduct</i>	-1.50	
<i>For &gt;250 To 500, Deduct</i>	-1.88	
<i>For &gt;500, Deduct</i>	-2.26	
05 05 23 00-0836 EA 1/4" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	9.28	
<i>For &gt;100 To 250, Deduct</i>	-1.50	
<i>For &gt;250 To 500, Deduct</i>	-1.88	
<i>For &gt;500, Deduct</i>	-2.26	
05 05 23 00-0837 EA 1/4" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	9.75	
<i>For &gt;100 To 250, Deduct</i>	-1.55	
<i>For &gt;250 To 500, Deduct</i>	-1.93	
<i>For &gt;500, Deduct</i>	-2.32	
05 05 23 00-0838 EA 1/4" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	10.19	
<i>For &gt;100 To 250, Deduct</i>	-1.55	
<i>For &gt;250 To 500, Deduct</i>	-1.93	
<i>For &gt;500, Deduct</i>	-2.32	
05 05 23 00-0839 EA 1/4" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	10.58	
<i>For &gt;100 To 250, Deduct</i>	-1.55	
<i>For &gt;250 To 500, Deduct</i>	-1.93	
<i>For &gt;500, Deduct</i>	-2.32	
05 05 23 00-0840 EA 1/4" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	11.10	
<i>For &gt;100 To 250, Deduct</i>	-1.59	
<i>For &gt;250 To 500, Deduct</i>	-1.98	
<i>For &gt;500, Deduct</i>	-2.38	
05 05 23 00-0841 EA 1/4" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt.....	11.76	
<i>For &gt;100 To 250, Deduct</i>	-1.59	
<i>For &gt;250 To 500, Deduct</i>	-1.98	
<i>For &gt;500, Deduct</i>	-2.38	

**05 Metals****05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0842	EA		1/4" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	19.61	
			<i>For &gt;100 To 250, Deduct</i>	-1.59	
			<i>For &gt;250 To 500, Deduct</i>	-1.98	
			<i>For &gt;500, Deduct</i>	-2.38	
05 05 23 00-0843	EA		1/4" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	23.65	
			<i>For &gt;100 To 250, Deduct</i>	-1.63	
			<i>For &gt;250 To 500, Deduct</i>	-2.04	
			<i>For &gt;500, Deduct</i>	-2.44	
05 05 23 00-0844	EA		1/4" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	24.01	
			<i>For &gt;100 To 250, Deduct</i>	-1.63	
			<i>For &gt;250 To 500, Deduct</i>	-2.04	
			<i>For &gt;500, Deduct</i>	-2.44	
05 05 23 00-0845	EA		1/4" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	24.90	
			<i>For &gt;100 To 250, Deduct</i>	-1.63	
			<i>For &gt;250 To 500, Deduct</i>	-2.04	
			<i>For &gt;500, Deduct</i>	-2.44	
<b>05 05 23 00-0846</b>			<b>5/16" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts <small>(05 05 23 00-0828)</small></b>		
05 05 23 00-0847	EA		5/16" Diameter x 1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	7.96	
			<i>For &gt;100 To 250, Deduct</i>	-1.46	
			<i>For &gt;250 To 500, Deduct</i>	-1.83	
			<i>For &gt;500, Deduct</i>	-2.19	
05 05 23 00-0848	EA		5/16" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	8.09	
			<i>For &gt;100 To 250, Deduct</i>	-1.46	
			<i>For &gt;250 To 500, Deduct</i>	-1.83	
			<i>For &gt;500, Deduct</i>	-2.19	
05 05 23 00-0849	EA		5/16" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	8.37	
			<i>For &gt;100 To 250, Deduct</i>	-1.46	
			<i>For &gt;250 To 500, Deduct</i>	-1.83	
			<i>For &gt;500, Deduct</i>	-2.19	
05 05 23 00-0850	EA		5/16" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	8.60	
			<i>For &gt;100 To 250, Deduct</i>	-1.46	
			<i>For &gt;250 To 500, Deduct</i>	-1.83	
			<i>For &gt;500, Deduct</i>	-2.19	
05 05 23 00-0851	EA		5/16" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	9.22	
			<i>For &gt;100 To 250, Deduct</i>	-1.50	
			<i>For &gt;250 To 500, Deduct</i>	-1.88	
			<i>For &gt;500, Deduct</i>	-2.26	
05 05 23 00-0852	EA		5/16" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	9.37	
			<i>For &gt;100 To 250, Deduct</i>	-1.50	
			<i>For &gt;250 To 500, Deduct</i>	-1.88	
			<i>For &gt;500, Deduct</i>	-2.26	
05 05 23 00-0853	EA		5/16" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	10.10	
			<i>For &gt;100 To 250, Deduct</i>	-1.50	
			<i>For &gt;250 To 500, Deduct</i>	-1.88	
			<i>For &gt;500, Deduct</i>	-2.26	
05 05 23 00-0854	EA		5/16" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	10.82	
			<i>For &gt;100 To 250, Deduct</i>	-1.55	
			<i>For &gt;250 To 500, Deduct</i>	-1.93	
			<i>For &gt;500, Deduct</i>	-2.32	
05 05 23 00-0855	EA		5/16" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	11.64	
			<i>For &gt;100 To 250, Deduct</i>	-1.55	
			<i>For &gt;250 To 500, Deduct</i>	-1.93	
			<i>For &gt;500, Deduct</i>	-2.32	
05 05 23 00-0856	EA		5/16" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	12.05	
			<i>For &gt;100 To 250, Deduct</i>	-1.55	
			<i>For &gt;250 To 500, Deduct</i>	-1.93	
			<i>For &gt;500, Deduct</i>	-2.32	
05 05 23 00-0857	EA		5/16" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	13.50	
			<i>For &gt;100 To 250, Deduct</i>	-1.59	
			<i>For &gt;250 To 500, Deduct</i>	-1.98	
			<i>For &gt;500, Deduct</i>	-2.38	
05 05 23 00-0858	EA		5/16" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	15.55	
			<i>For &gt;100 To 250, Deduct</i>	-1.59	
			<i>For &gt;250 To 500, Deduct</i>	-1.98	
			<i>For &gt;500, Deduct</i>	-2.38	
05 05 23 00-0859	EA		5/16" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	20.22	
			<i>For &gt;100 To 250, Deduct</i>	-1.59	
			<i>For &gt;250 To 500, Deduct</i>	-1.98	
			<i>For &gt;500, Deduct</i>	-2.38	
05 05 23 00-0860	EA		5/16" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	27.99	
			<i>For &gt;100 To 250, Deduct</i>	-1.63	
			<i>For &gt;250 To 500, Deduct</i>	-2.04	
			<i>For &gt;500, Deduct</i>	-2.44	
<b>05 05 23 00-0861</b>			<b>3/8" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts <small>(05 05 23 00-0828)</small></b>		
05 05 23 00-0862	EA		3/8" Diameter x 1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	8.31	
			<i>For &gt;100 To 250, Deduct</i>	-1.46	
			<i>For &gt;250 To 500, Deduct</i>	-1.83	
			<i>For &gt;500, Deduct</i>	-2.19	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0863 EA 3/8" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	8.48	
<i>For &gt;100 To 250, Deduct</i>	-1.46	
<i>For &gt;250 To 500, Deduct</i>	-1.83	
<i>For &gt;500, Deduct</i>	-2.19	
05 05 23 00-0864 EA 3/8" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	8.92	
<i>For &gt;100 To 250, Deduct</i>	-1.46	
<i>For &gt;250 To 500, Deduct</i>	-1.83	
<i>For &gt;500, Deduct</i>	-2.19	
05 05 23 00-0865 EA 3/8" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	9.48	
<i>For &gt;100 To 250, Deduct</i>	-1.46	
<i>For &gt;250 To 500, Deduct</i>	-1.83	
<i>For &gt;500, Deduct</i>	-2.19	
05 05 23 00-0866 EA 3/8" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	9.98	
<i>For &gt;100 To 250, Deduct</i>	-1.50	
<i>For &gt;250 To 500, Deduct</i>	-1.88	
<i>For &gt;500, Deduct</i>	-2.26	
05 05 23 00-0867 EA 3/8" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	10.43	
<i>For &gt;100 To 250, Deduct</i>	-1.50	
<i>For &gt;250 To 500, Deduct</i>	-1.88	
<i>For &gt;500, Deduct</i>	-2.26	
05 05 23 00-0868 EA 3/8" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	11.02	
<i>For &gt;100 To 250, Deduct</i>	-1.50	
<i>For &gt;250 To 500, Deduct</i>	-1.88	
<i>For &gt;500, Deduct</i>	-2.26	
05 05 23 00-0869 EA 3/8" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	11.77	
<i>For &gt;100 To 250, Deduct</i>	-1.55	
<i>For &gt;250 To 500, Deduct</i>	-1.93	
<i>For &gt;500, Deduct</i>	-2.32	
05 05 23 00-0870 EA 3/8" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	12.46	
<i>For &gt;100 To 250, Deduct</i>	-1.55	
<i>For &gt;250 To 500, Deduct</i>	-1.93	
<i>For &gt;500, Deduct</i>	-2.32	
05 05 23 00-0871 EA 3/8" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	14.00	
<i>For &gt;100 To 250, Deduct</i>	-1.55	
<i>For &gt;250 To 500, Deduct</i>	-1.93	
<i>For &gt;500, Deduct</i>	-2.32	
05 05 23 00-0872 EA 3/8" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	14.38	
<i>For &gt;100 To 250, Deduct</i>	-1.59	
<i>For &gt;250 To 500, Deduct</i>	-1.98	
<i>For &gt;500, Deduct</i>	-2.38	
05 05 23 00-0873 EA 3/8" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	15.65	
<i>For &gt;100 To 250, Deduct</i>	-1.59	
<i>For &gt;250 To 500, Deduct</i>	-1.98	
<i>For &gt;500, Deduct</i>	-2.38	
05 05 23 00-0874 EA 3/8" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	18.36	
<i>For &gt;100 To 250, Deduct</i>	-1.59	
<i>For &gt;250 To 500, Deduct</i>	-1.98	
<i>For &gt;500, Deduct</i>	-2.38	
05 05 23 00-0875 EA 3/8" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	19.20	
<i>For &gt;100 To 250, Deduct</i>	-1.63	
<i>For &gt;250 To 500, Deduct</i>	-2.04	
<i>For &gt;500, Deduct</i>	-2.44	
05 05 23 00-0876 EA 3/8" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	19.59	
<i>For &gt;100 To 250, Deduct</i>	-1.63	
<i>For &gt;250 To 500, Deduct</i>	-2.04	
<i>For &gt;500, Deduct</i>	-2.44	
05 05 23 00-0877 EA 3/8" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	22.29	
<i>For &gt;100 To 250, Deduct</i>	-1.63	
<i>For &gt;250 To 500, Deduct</i>	-2.04	
<i>For &gt;500, Deduct</i>	-2.44	
<b>05 05 23 00-0878 7/16" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts <small>(05 05 23 00-0828)</small> .....</b>	<b>10.79</b>	
EA 7/16" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....		
<i>For &gt;100 To 250, Deduct</i>	-1.67	
<i>For &gt;250 To 500, Deduct</i>	-2.09	
<i>For &gt;500, Deduct</i>	-2.51	
EA 7/16" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	10.97	
<i>For &gt;100 To 250, Deduct</i>	-1.67	
<i>For &gt;250 To 500, Deduct</i>	-2.09	
<i>For &gt;500, Deduct</i>	-2.51	
EA 7/16" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	11.69	
<i>For &gt;100 To 250, Deduct</i>	-1.67	
<i>For &gt;250 To 500, Deduct</i>	-2.09	
<i>For &gt;500, Deduct</i>	-2.51	
EA 7/16" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	12.33	
<i>For &gt;100 To 250, Deduct</i>	-1.71	
<i>For &gt;250 To 500, Deduct</i>	-2.14	
<i>For &gt;500, Deduct</i>	-2.57	
EA 7/16" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	13.19	
<i>For &gt;100 To 250, Deduct</i>	-1.71	
<i>For &gt;250 To 500, Deduct</i>	-2.14	
<i>For &gt;500, Deduct</i>	-2.57	

**05 Metals****05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0884	EA	7/16" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	14.62	
		<i>For &gt;100 To 250, Deduct</i>	-1.71	
		<i>For &gt;250 To 500, Deduct</i>	-2.14	
		<i>For &gt;500, Deduct</i>	-2.57	
05 05 23 00-0885	EA	7/16" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	15.48	
		<i>For &gt;100 To 250, Deduct</i>	-1.75	
		<i>For &gt;250 To 500, Deduct</i>	-2.19	
		<i>For &gt;500, Deduct</i>	-2.63	
05 05 23 00-0886	EA	7/16" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	17.16	
		<i>For &gt;100 To 250, Deduct</i>	-1.75	
		<i>For &gt;250 To 500, Deduct</i>	-2.19	
		<i>For &gt;500, Deduct</i>	-2.63	
05 05 23 00-0887	EA	7/16" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	17.90	
		<i>For &gt;100 To 250, Deduct</i>	-1.75	
		<i>For &gt;250 To 500, Deduct</i>	-2.19	
		<i>For &gt;500, Deduct</i>	-2.63	
05 05 23 00-0888	EA	7/16" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	20.41	
		<i>For &gt;100 To 250, Deduct</i>	-1.80	
		<i>For &gt;250 To 500, Deduct</i>	-2.25	
		<i>For &gt;500, Deduct</i>	-2.69	
05 05 23 00-0889	EA	7/16" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	22.97	
		<i>For &gt;100 To 250, Deduct</i>	-1.80	
		<i>For &gt;250 To 500, Deduct</i>	-2.25	
		<i>For &gt;500, Deduct</i>	-2.69	
05 05 23 00-0890	EA	7/16" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	23.32	
		<i>For &gt;100 To 250, Deduct</i>	-1.80	
		<i>For &gt;250 To 500, Deduct</i>	-2.25	
		<i>For &gt;500, Deduct</i>	-2.69	
05 05 23 00-0891	EA	7/16" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	23.84	
		<i>For &gt;100 To 250, Deduct</i>	-1.84	
		<i>For &gt;250 To 500, Deduct</i>	-2.30	
		<i>For &gt;500, Deduct</i>	-2.76	
<b>05 05 23 00-0892</b>		<b>1/2" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts (05 05 23 00-0828)</b>		
05 05 23 00-0893	EA	1/2" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	10.77	
		<i>For &gt;100 To 250, Deduct</i>	-1.67	
		<i>For &gt;250 To 500, Deduct</i>	-2.09	
		<i>For &gt;500, Deduct</i>	-2.51	
05 05 23 00-0894	EA	1/2" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	10.97	
		<i>For &gt;100 To 250, Deduct</i>	-1.67	
		<i>For &gt;250 To 500, Deduct</i>	-2.09	
		<i>For &gt;500, Deduct</i>	-2.51	
05 05 23 00-0895	EA	1/2" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	12.10	
		<i>For &gt;100 To 250, Deduct</i>	-1.67	
		<i>For &gt;250 To 500, Deduct</i>	-2.09	
		<i>For &gt;500, Deduct</i>	-2.51	
05 05 23 00-0896	EA	1/2" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	12.76	
		<i>For &gt;100 To 250, Deduct</i>	-1.71	
		<i>For &gt;250 To 500, Deduct</i>	-2.14	
		<i>For &gt;500, Deduct</i>	-2.57	
05 05 23 00-0897	EA	1/2" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	13.78	
		<i>For &gt;100 To 250, Deduct</i>	-1.71	
		<i>For &gt;250 To 500, Deduct</i>	-2.14	
		<i>For &gt;500, Deduct</i>	-2.57	
05 05 23 00-0898	EA	1/2" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	14.34	
		<i>For &gt;100 To 250, Deduct</i>	-1.71	
		<i>For &gt;250 To 500, Deduct</i>	-2.14	
		<i>For &gt;500, Deduct</i>	-2.57	
05 05 23 00-0899	EA	1/2" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	15.21	
		<i>For &gt;100 To 250, Deduct</i>	-1.75	
		<i>For &gt;250 To 500, Deduct</i>	-2.19	
		<i>For &gt;500, Deduct</i>	-2.63	
05 05 23 00-0900	EA	1/2" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	15.70	
		<i>For &gt;100 To 250, Deduct</i>	-1.75	
		<i>For &gt;250 To 500, Deduct</i>	-2.19	
		<i>For &gt;500, Deduct</i>	-2.63	
05 05 23 00-0901	EA	1/2" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	18.39	
		<i>For &gt;100 To 250, Deduct</i>	-1.75	
		<i>For &gt;250 To 500, Deduct</i>	-2.19	
		<i>For &gt;500, Deduct</i>	-2.63	
05 05 23 00-0902	EA	1/2" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	19.34	
		<i>For &gt;100 To 250, Deduct</i>	-1.80	
		<i>For &gt;250 To 500, Deduct</i>	-2.25	
		<i>For &gt;500, Deduct</i>	-2.69	
05 05 23 00-0903	EA	1/2" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	20.55	
		<i>For &gt;100 To 250, Deduct</i>	-1.80	
		<i>For &gt;250 To 500, Deduct</i>	-2.25	
		<i>For &gt;500, Deduct</i>	-2.69	
05 05 23 00-0904	EA	1/2" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	21.93	
		<i>For &gt;100 To 250, Deduct</i>	-1.80	
		<i>For &gt;250 To 500, Deduct</i>	-2.25	
		<i>For &gt;500, Deduct</i>	-2.69	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0905 EA 1/2" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	24.16	
<i>For &gt;100 To 250, Deduct</i>	-1.84	
<i>For &gt;250 To 500, Deduct</i>	-2.30	
<i>For &gt;500, Deduct</i>	-2.76	
05 05 23 00-0906 EA 1/2" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	24.98	
<i>For &gt;100 To 250, Deduct</i>	-1.84	
<i>For &gt;250 To 500, Deduct</i>	-2.30	
<i>For &gt;500, Deduct</i>	-2.76	
05 05 23 00-0907 EA 1/2" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	26.27	
<i>For &gt;100 To 250, Deduct</i>	-1.84	
<i>For &gt;250 To 500, Deduct</i>	-2.30	
<i>For &gt;500, Deduct</i>	-2.76	
05 05 23 00-0908 EA 1/2" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	32.79	
<i>For &gt;100 To 250, Deduct</i>	-1.88	
<i>For &gt;250 To 500, Deduct</i>	-2.35	
<i>For &gt;500, Deduct</i>	-2.82	
05 05 23 00-0909 EA 1/2" Diameter x 9" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	33.30	
<i>For &gt;100 To 250, Deduct</i>	-1.88	
<i>For &gt;250 To 500, Deduct</i>	-2.35	
<i>For &gt;500, Deduct</i>	-2.82	
05 05 23 00-0910 EA 1/2" Diameter x 9-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	36.87	
<i>For &gt;100 To 250, Deduct</i>	-1.88	
<i>For &gt;250 To 500, Deduct</i>	-2.35	
<i>For &gt;500, Deduct</i>	-2.82	
05 05 23 00-0911 EA 1/2" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	40.41	
<i>For &gt;100 To 250, Deduct</i>	-1.88	
<i>For &gt;250 To 500, Deduct</i>	-2.35	
<i>For &gt;500, Deduct</i>	-2.82	
<b>05 05 23 00-0912 9/16" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts</b> <small>(05 05 23 00-0828)</small>		
05 05 23 00-0913 EA 9/16" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	16.67	
<i>For &gt;100 To 250, Deduct</i>	-1.67	
<i>For &gt;250 To 500, Deduct</i>	-2.09	
<i>For &gt;500, Deduct</i>	-2.51	
05 05 23 00-0914 EA 9/16" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	19.00	
<i>For &gt;100 To 250, Deduct</i>	-1.67	
<i>For &gt;250 To 500, Deduct</i>	-2.09	
<i>For &gt;500, Deduct</i>	-2.51	
05 05 23 00-0915 EA 9/16" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	23.10	
<i>For &gt;100 To 250, Deduct</i>	-1.67	
<i>For &gt;250 To 500, Deduct</i>	-2.09	
<i>For &gt;500, Deduct</i>	-2.51	
05 05 23 00-0916 EA 9/16" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	24.13	
<i>For &gt;100 To 250, Deduct</i>	-1.71	
<i>For &gt;250 To 500, Deduct</i>	-2.14	
<i>For &gt;500, Deduct</i>	-2.57	
05 05 23 00-0917 EA 9/16" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	25.58	
<i>For &gt;100 To 250, Deduct</i>	-1.71	
<i>For &gt;250 To 500, Deduct</i>	-2.14	
<i>For &gt;500, Deduct</i>	-2.57	
05 05 23 00-0918 EA 9/16" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	28.12	
<i>For &gt;100 To 250, Deduct</i>	-1.71	
<i>For &gt;250 To 500, Deduct</i>	-2.14	
<i>For &gt;500, Deduct</i>	-2.57	
05 05 23 00-0919 EA 9/16" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	32.05	
<i>For &gt;100 To 250, Deduct</i>	-1.75	
<i>For &gt;250 To 500, Deduct</i>	-2.19	
<i>For &gt;500, Deduct</i>	-2.63	
05 05 23 00-0920 EA 9/16" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	32.62	
<i>For &gt;100 To 250, Deduct</i>	-1.75	
<i>For &gt;250 To 500, Deduct</i>	-2.19	
<i>For &gt;500, Deduct</i>	-2.63	
05 05 23 00-0921 EA 9/16" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	37.99	
<i>For &gt;100 To 250, Deduct</i>	-1.75	
<i>For &gt;250 To 500, Deduct</i>	-2.19	
<i>For &gt;500, Deduct</i>	-2.63	
05 05 23 00-0922 EA 9/16" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	40.73	
<i>For &gt;100 To 250, Deduct</i>	-1.80	
<i>For &gt;250 To 500, Deduct</i>	-2.25	
<i>For &gt;500, Deduct</i>	-2.69	
05 05 23 00-0923 EA 9/16" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	43.60	
<i>For &gt;100 To 250, Deduct</i>	-1.80	
<i>For &gt;250 To 500, Deduct</i>	-2.25	
<i>For &gt;500, Deduct</i>	-2.69	
<b>05 05 23 00-0924 5/8" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts</b> <small>(05 05 23 00-0828)</small>		
05 05 23 00-0925 EA 5/8" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	13.80	
<i>For &gt;100 To 250, Deduct</i>	-1.88	
<i>For &gt;250 To 500, Deduct</i>	-2.35	
<i>For &gt;500, Deduct</i>	-2.82	

**05 Metals****05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0926 EA 5/8" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	14.34	
For>100 To 250, Deduct	-1.88	
For>250 To 500, Deduct	-2.35	
For>500, Deduct	-2.82	
05 05 23 00-0927 EA 5/8" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	16.57	
For>100 To 250, Deduct	-1.88	
For>250 To 500, Deduct	-2.35	
For>500, Deduct	-2.82	
05 05 23 00-0928 EA 5/8" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	17.14	
For>100 To 250, Deduct	-1.92	
For>250 To 500, Deduct	-2.40	
For>500, Deduct	-2.88	
05 05 23 00-0929 EA 5/8" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	18.20	
For>100 To 250, Deduct	-1.92	
For>250 To 500, Deduct	-2.40	
For>500, Deduct	-2.88	
05 05 23 00-0930 EA 5/8" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	19.72	
For>100 To 250, Deduct	-1.92	
For>250 To 500, Deduct	-2.40	
For>500, Deduct	-2.88	
05 05 23 00-0931 EA 5/8" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	21.83	
For>100 To 250, Deduct	-1.96	
For>250 To 500, Deduct	-2.45	
For>500, Deduct	-2.94	
05 05 23 00-0932 EA 5/8" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	21.85	
For>100 To 250, Deduct	-1.96	
For>250 To 500, Deduct	-2.45	
For>500, Deduct	-2.94	
05 05 23 00-0933 EA 5/8" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	23.55	
For>100 To 250, Deduct	-1.96	
For>250 To 500, Deduct	-2.45	
For>500, Deduct	-2.94	
05 05 23 00-0934 EA 5/8" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	24.73	
For>100 To 250, Deduct	-2.00	
For>250 To 500, Deduct	-2.51	
For>500, Deduct	-3.01	
05 05 23 00-0935 EA 5/8" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	26.26	
For>100 To 250, Deduct	-2.00	
For>250 To 500, Deduct	-2.51	
For>500, Deduct	-3.01	
05 05 23 00-0936 EA 5/8" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	31.88	
For>100 To 250, Deduct	-2.00	
For>250 To 500, Deduct	-2.51	
For>500, Deduct	-3.01	
05 05 23 00-0937 EA 5/8" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	35.16	
For>100 To 250, Deduct	-2.05	
For>250 To 500, Deduct	-2.56	
For>500, Deduct	-3.07	
05 05 23 00-0938 EA 5/8" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	37.70	
For>100 To 250, Deduct	-2.05	
For>250 To 500, Deduct	-2.56	
For>500, Deduct	-3.07	
05 05 23 00-0939 EA 5/8" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	38.85	
For>100 To 250, Deduct	-2.05	
For>250 To 500, Deduct	-2.56	
For>500, Deduct	-3.07	
05 05 23 00-0940 EA 5/8" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	43.74	
For>100 To 250, Deduct	-2.09	
For>250 To 500, Deduct	-2.61	
For>500, Deduct	-3.13	
05 05 23 00-0941 EA 5/8" Diameter x 9" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	45.23	
For>100 To 250, Deduct	-2.09	
For>250 To 500, Deduct	-2.61	
For>500, Deduct	-3.13	
05 05 23 00-0942 EA 5/8" Diameter x 9-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	51.91	
For>100 To 250, Deduct	-2.09	
For>250 To 500, Deduct	-2.61	
For>500, Deduct	-3.13	
05 05 23 00-0943 EA 5/8" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	54.65	
For>100 To 250, Deduct	-2.09	
For>250 To 500, Deduct	-2.61	
For>500, Deduct	-3.13	
05 05 23 00-0944 3/4" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts (05 05 23 00-0928) .....	16.24	
05 05 23 00-0945 EA 3/4" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	16.24	
For>100 To 250, Deduct	-1.88	
For>250 To 500, Deduct	-2.35	
For>500, Deduct	-2.82	
05 05 23 00-0946 EA 3/4" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	17.29	
For>100 To 250, Deduct	-1.88	
For>250 To 500, Deduct	-2.35	
For>500, Deduct	-2.82	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0947 EA 3/4" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	18.66	
<i>For &gt;100 To 250, Deduct</i>	-1.88	
<i>For &gt;250 To 500, Deduct</i>	-2.35	
<i>For &gt;500, Deduct</i>	-2.82	
05 05 23 00-0948 EA 3/4" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	20.35	
<i>For &gt;100 To 250, Deduct</i>	-1.92	
<i>For &gt;250 To 500, Deduct</i>	-2.40	
<i>For &gt;500, Deduct</i>	-2.88	
05 05 23 00-0949 EA 3/4" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	21.87	
<i>For &gt;100 To 250, Deduct</i>	-1.92	
<i>For &gt;250 To 500, Deduct</i>	-2.40	
<i>For &gt;500, Deduct</i>	-2.88	
05 05 23 00-0950 EA 3/4" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	24.43	
<i>For &gt;100 To 250, Deduct</i>	-1.92	
<i>For &gt;250 To 500, Deduct</i>	-2.40	
<i>For &gt;500, Deduct</i>	-2.88	
05 05 23 00-0951 EA 3/4" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	26.16	
<i>For &gt;100 To 250, Deduct</i>	-1.96	
<i>For &gt;250 To 500, Deduct</i>	-2.45	
<i>For &gt;500, Deduct</i>	-2.94	
05 05 23 00-0952 EA 3/4" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	28.53	
<i>For &gt;100 To 250, Deduct</i>	-1.96	
<i>For &gt;250 To 500, Deduct</i>	-2.45	
<i>For &gt;500, Deduct</i>	-2.94	
05 05 23 00-0953 EA 3/4" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	30.44	
<i>For &gt;100 To 250, Deduct</i>	-1.96	
<i>For &gt;250 To 500, Deduct</i>	-2.45	
<i>For &gt;500, Deduct</i>	-2.94	
05 05 23 00-0954 EA 3/4" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	32.61	
<i>For &gt;100 To 250, Deduct</i>	-2.00	
<i>For &gt;250 To 500, Deduct</i>	-2.51	
<i>For &gt;500, Deduct</i>	-3.01	
05 05 23 00-0955 EA 3/4" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	34.83	
<i>For &gt;100 To 250, Deduct</i>	-2.00	
<i>For &gt;250 To 500, Deduct</i>	-2.51	
<i>For &gt;500, Deduct</i>	-3.01	
05 05 23 00-0956 EA 3/4" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	38.98	
<i>For &gt;100 To 250, Deduct</i>	-2.00	
<i>For &gt;250 To 500, Deduct</i>	-2.51	
<i>For &gt;500, Deduct</i>	-3.01	
05 05 23 00-0957 EA 3/4" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	50.23	
<i>For &gt;100 To 250, Deduct</i>	-2.05	
<i>For &gt;250 To 500, Deduct</i>	-2.56	
<i>For &gt;500, Deduct</i>	-3.07	
05 05 23 00-0958 EA 3/4" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	53.76	
<i>For &gt;100 To 250, Deduct</i>	-2.05	
<i>For &gt;250 To 500, Deduct</i>	-2.56	
<i>For &gt;500, Deduct</i>	-3.07	
05 05 23 00-0959 EA 3/4" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	61.29	
<i>For &gt;100 To 250, Deduct</i>	-2.05	
<i>For &gt;250 To 500, Deduct</i>	-2.56	
<i>For &gt;500, Deduct</i>	-3.07	
05 05 23 00-0960 EA 3/4" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	61.84	
<i>For &gt;100 To 250, Deduct</i>	-2.09	
<i>For &gt;250 To 500, Deduct</i>	-2.61	
<i>For &gt;500, Deduct</i>	-3.13	
05 05 23 00-0961 EA 3/4" Diameter x 9" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	63.03	
<i>For &gt;100 To 250, Deduct</i>	-2.09	
<i>For &gt;250 To 500, Deduct</i>	-2.61	
<i>For &gt;500, Deduct</i>	-3.13	
05 05 23 00-0962 EA 3/4" Diameter x 9-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	66.25	
<i>For &gt;100 To 250, Deduct</i>	-2.09	
<i>For &gt;250 To 500, Deduct</i>	-2.61	
<i>For &gt;500, Deduct</i>	-3.13	
05 05 23 00-0963 EA 3/4" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	68.73	
<i>For &gt;100 To 250, Deduct</i>	-2.09	
<i>For &gt;250 To 500, Deduct</i>	-2.61	
<i>For &gt;500, Deduct</i>	-3.13	
<b>05 05 23 00-0964 7/8" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts</b> <small>(05 05 23 00-0828)</small>		
05 05 23 00-0965 EA 7/8" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	23.83	
<i>For &gt;100 To 250, Deduct</i>	-2.09	
<i>For &gt;250 To 500, Deduct</i>	-2.61	
<i>For &gt;500, Deduct</i>	-3.13	
05 05 23 00-0966 EA 7/8" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	26.43	
<i>For &gt;100 To 250, Deduct</i>	-2.09	
<i>For &gt;250 To 500, Deduct</i>	-2.61	
<i>For &gt;500, Deduct</i>	-3.13	
05 05 23 00-0967 EA 7/8" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	28.63	
<i>For &gt;100 To 250, Deduct</i>	-2.13	
<i>For &gt;250 To 500, Deduct</i>	-2.66	
<i>For &gt;500, Deduct</i>	-3.20	

**05 Metals****05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0968 EA 7/8" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	31.28	
For >100 To 250, Deduct	-2.13	
For >250 To 500, Deduct	-2.66	
For >500, Deduct	-3.20	
05 05 23 00-0969 EA 7/8" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	32.14	
For >100 To 250, Deduct	-2.13	
For >250 To 500, Deduct	-2.66	
For >500, Deduct	-3.20	
05 05 23 00-0970 EA 7/8" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	34.52	
For >100 To 250, Deduct	-2.17	
For >250 To 500, Deduct	-2.72	
For >500, Deduct	-3.26	
05 05 23 00-0971 EA 7/8" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	35.36	
For >100 To 250, Deduct	-2.17	
For >250 To 500, Deduct	-2.72	
For >500, Deduct	-3.26	
05 05 23 00-0972 EA 7/8" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	41.11	
For >100 To 250, Deduct	-2.17	
For >250 To 500, Deduct	-2.72	
For >500, Deduct	-3.26	
05 05 23 00-0973 EA 7/8" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	42.18	
For >100 To 250, Deduct	-2.21	
For >250 To 500, Deduct	-2.77	
For >500, Deduct	-3.32	
05 05 23 00-0974 EA 7/8" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	44.40	
For >100 To 250, Deduct	-2.21	
For >250 To 500, Deduct	-2.77	
For >500, Deduct	-3.32	
05 05 23 00-0975 EA 7/8" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	56.58	
For >100 To 250, Deduct	-2.21	
For >250 To 500, Deduct	-2.77	
For >500, Deduct	-3.32	
05 05 23 00-0976 EA 7/8" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	61.45	
For >100 To 250, Deduct	-2.25	
For >250 To 500, Deduct	-2.82	
For >500, Deduct	-3.38	
05 05 23 00-0977 EA 7/8" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	66.92	
For >100 To 250, Deduct	-2.25	
For >250 To 500, Deduct	-2.82	
For >500, Deduct	-3.38	
05 05 23 00-0978 EA 7/8" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	71.33	
For >100 To 250, Deduct	-2.25	
For >250 To 500, Deduct	-2.82	
For >500, Deduct	-3.38	
05 05 23 00-0979 EA 7/8" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	84.91	
For >100 To 250, Deduct	-2.30	
For >250 To 500, Deduct	-2.87	
For >500, Deduct	-3.44	
05 05 23 00-0980 EA 7/8" Diameter x 9" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	95.63	
For >100 To 250, Deduct	-2.30	
For >250 To 500, Deduct	-2.87	
For >500, Deduct	-3.44	
05 05 23 00-0981 EA 7/8" Diameter x 9-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	100.58	
For >100 To 250, Deduct	-2.30	
For >250 To 500, Deduct	-2.87	
For >500, Deduct	-3.44	
05 05 23 00-0982 EA 7/8" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	105.52	
For >100 To 250, Deduct	-2.30	
For >250 To 500, Deduct	-2.87	
For >500, Deduct	-3.44	
<b>05 05 23 00-0983 1" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts (05 05 23 00-0982)</b> .....	<b>30.13</b>	
05 05 23 00-0984 EA 1" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	30.13	
For >100 To 250, Deduct	-2.09	
For >250 To 500, Deduct	-2.61	
For >500, Deduct	-3.13	
05 05 23 00-0985 EA 1" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	32.04	
For >100 To 250, Deduct	-2.09	
For >250 To 500, Deduct	-2.61	
For >500, Deduct	-3.13	
05 05 23 00-0986 EA 1" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	35.09	
For >100 To 250, Deduct	-2.13	
For >250 To 500, Deduct	-2.66	
For >500, Deduct	-3.20	
05 05 23 00-0987 EA 1" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	37.48	
For >100 To 250, Deduct	-2.13	
For >250 To 500, Deduct	-2.66	
For >500, Deduct	-3.20	
05 05 23 00-0988 EA 1" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	41.42	
For >100 To 250, Deduct	-2.13	
For >250 To 500, Deduct	-2.66	
For >500, Deduct	-3.20	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0989 EA 1" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	46.05	
<i>For &gt;100 To 250, Deduct</i>	-2.17	
<i>For &gt;250 To 500, Deduct</i>	-2.72	
<i>For &gt;500, Deduct</i>	-3.26	
05 05 23 00-0990 EA 1" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	48.80	
<i>For &gt;100 To 250, Deduct</i>	-2.17	
<i>For &gt;250 To 500, Deduct</i>	-2.72	
<i>For &gt;500, Deduct</i>	-3.26	
05 05 23 00-0991 EA 1" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	52.85	
<i>For &gt;100 To 250, Deduct</i>	-2.17	
<i>For &gt;250 To 500, Deduct</i>	-2.72	
<i>For &gt;500, Deduct</i>	-3.26	
05 05 23 00-0992 EA 1" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	56.87	
<i>For &gt;100 To 250, Deduct</i>	-2.21	
<i>For &gt;250 To 500, Deduct</i>	-2.77	
<i>For &gt;500, Deduct</i>	-3.32	
05 05 23 00-0993 EA 1" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	57.10	
<i>For &gt;100 To 250, Deduct</i>	-2.21	
<i>For &gt;250 To 500, Deduct</i>	-2.77	
<i>For &gt;500, Deduct</i>	-3.32	
05 05 23 00-0994 EA 1" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	67.97	
<i>For &gt;100 To 250, Deduct</i>	-2.21	
<i>For &gt;250 To 500, Deduct</i>	-2.77	
<i>For &gt;500, Deduct</i>	-3.32	
05 05 23 00-0995 EA 1" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	81.94	
<i>For &gt;100 To 250, Deduct</i>	-2.25	
<i>For &gt;250 To 500, Deduct</i>	-2.82	
<i>For &gt;500, Deduct</i>	-3.38	
05 05 23 00-0996 EA 1" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	83.99	
<i>For &gt;100 To 250, Deduct</i>	-2.25	
<i>For &gt;250 To 500, Deduct</i>	-2.82	
<i>For &gt;500, Deduct</i>	-3.38	
05 05 23 00-0997 EA 1" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	86.03	
<i>For &gt;100 To 250, Deduct</i>	-2.25	
<i>For &gt;250 To 500, Deduct</i>	-2.82	
<i>For &gt;500, Deduct</i>	-3.38	
05 05 23 00-0998 EA 1" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	90.34	
<i>For &gt;100 To 250, Deduct</i>	-2.30	
<i>For &gt;250 To 500, Deduct</i>	-2.87	
<i>For &gt;500, Deduct</i>	-3.44	
05 05 23 00-0999 EA 1" Diameter x 9" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	96.63	
<i>For &gt;100 To 250, Deduct</i>	-2.30	
<i>For &gt;250 To 500, Deduct</i>	-2.87	
<i>For &gt;500, Deduct</i>	-3.44	
05 05 23 00-1000 EA 1" Diameter x 9-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	125.16	
<i>For &gt;100 To 250, Deduct</i>	-2.30	
<i>For &gt;250 To 500, Deduct</i>	-2.87	
<i>For &gt;500, Deduct</i>	-3.44	
05 05 23 00-1001 EA 1" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	158.41	
<i>For &gt;100 To 250, Deduct</i>	-2.30	
<i>For &gt;250 To 500, Deduct</i>	-2.87	
<i>For &gt;500, Deduct</i>	-3.44	
<b>05 05 23 00-1002 316 Stainless Steel, Hex Head Bolts (05 05 23 00-0110)</b>		
<b>05 05 23 00-1003 1/4" Diameter, 316 Stainless Steel, Hex Head Bolts (05 05 23 00-1002)</b>		
05 05 23 00-1004 EA 1/2" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt .....	7.97	
<i>For &gt;100 To 250, Deduct</i>	-1.46	
<i>For &gt;250 To 500, Deduct</i>	-1.83	
<i>For &gt;500, Deduct</i>	-2.19	
05 05 23 00-1005 EA 1" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt .....	8.27	
<i>For &gt;100 To 250, Deduct</i>	-1.46	
<i>For &gt;250 To 500, Deduct</i>	-1.83	
<i>For &gt;500, Deduct</i>	-2.19	
05 05 23 00-1006 EA 1-1/2" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt .....	8.49	
<i>For &gt;100 To 250, Deduct</i>	-1.46	
<i>For &gt;250 To 500, Deduct</i>	-1.83	
<i>For &gt;500, Deduct</i>	-2.19	
05 05 23 00-1007 EA 2" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt .....	8.64	
<i>For &gt;100 To 250, Deduct</i>	-1.46	
<i>For &gt;250 To 500, Deduct</i>	-1.83	
<i>For &gt;500, Deduct</i>	-2.19	
05 05 23 00-1008 EA 2-1/2" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt .....	9.28	
<i>For &gt;100 To 250, Deduct</i>	-1.50	
<i>For &gt;250 To 500, Deduct</i>	-1.88	
<i>For &gt;500, Deduct</i>	-2.26	
05 05 23 00-1009 EA 3" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt .....	9.67	
<i>For &gt;100 To 250, Deduct</i>	-1.50	
<i>For &gt;250 To 500, Deduct</i>	-1.88	
<i>For &gt;500, Deduct</i>	-2.26	
05 05 23 00-1010 EA 3-1/2" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt .....	10.06	
<i>For &gt;100 To 250, Deduct</i>	-1.50	
<i>For &gt;250 To 500, Deduct</i>	-1.88	
<i>For &gt;500, Deduct</i>	-2.26	

**05 Metals****05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1011	EA	4" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt .....	10.58	
		<i>For &gt;100 To 250, Deduct</i>	-1.55	
		<i>For &gt;250 To 500, Deduct</i>	-1.93	
		<i>For &gt;500, Deduct</i>	-2.32	
05 05 23 00-1012	EA	4-1/2" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt .....	10.90	
		<i>For &gt;100 To 250, Deduct</i>	-1.55	
		<i>For &gt;250 To 500, Deduct</i>	-1.93	
		<i>For &gt;500, Deduct</i>	-2.32	
05 05 23 00-1013	EA	5" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt .....	11.05	
		<i>For &gt;100 To 250, Deduct</i>	-1.55	
		<i>For &gt;250 To 500, Deduct</i>	-1.93	
		<i>For &gt;500, Deduct</i>	-2.32	
05 05 23 00-1014	EA	5-1/2" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt .....	12.25	
		<i>For &gt;100 To 250, Deduct</i>	-1.59	
		<i>For &gt;250 To 500, Deduct</i>	-1.98	
		<i>For &gt;500, Deduct</i>	-2.38	
05 05 23 00-1015	EA	6" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt .....	12.52	
		<i>For &gt;100 To 250, Deduct</i>	-1.59	
		<i>For &gt;250 To 500, Deduct</i>	-1.98	
		<i>For &gt;500, Deduct</i>	-2.38	
05 05 23 00-1016	EA	6-1/2" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt .....	22.51	
		<i>For &gt;100 To 250, Deduct</i>	-1.59	
		<i>For &gt;250 To 500, Deduct</i>	-1.98	
		<i>For &gt;500, Deduct</i>	-2.38	
05 05 23 00-1017	EA	7" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt .....	34.83	
		<i>For &gt;100 To 250, Deduct</i>	-1.63	
		<i>For &gt;250 To 500, Deduct</i>	-2.04	
		<i>For &gt;500, Deduct</i>	-2.44	
05 05 23 00-1018	EA	7-1/2" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt .....	61.50	
		<i>For &gt;100 To 250, Deduct</i>	-1.63	
		<i>For &gt;250 To 500, Deduct</i>	-2.04	
		<i>For &gt;500, Deduct</i>	-2.44	
05 05 23 00-1019	EA	8" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt .....	67.58	
		<i>For &gt;100 To 250, Deduct</i>	-1.63	
		<i>For &gt;250 To 500, Deduct</i>	-2.04	
		<i>For &gt;500, Deduct</i>	-2.44	
<b>05 05 23 00-1020</b>		<b>5/16" Diameter, 316 Stainless Steel, Hex Head Bolts</b> (05 05 23 00-1002)		
05 05 23 00-1021	EA	5/16" Diameter x 1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	8.38	
		<i>For &gt;100 To 250, Deduct</i>	-1.46	
		<i>For &gt;250 To 500, Deduct</i>	-1.83	
		<i>For &gt;500, Deduct</i>	-2.19	
05 05 23 00-1022	EA	5/16" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt .....	8.72	
		<i>For &gt;100 To 250, Deduct</i>	-1.46	
		<i>For &gt;250 To 500, Deduct</i>	-1.83	
		<i>For &gt;500, Deduct</i>	-2.19	
05 05 23 00-1023	EA	5/16" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	9.29	
		<i>For &gt;100 To 250, Deduct</i>	-1.46	
		<i>For &gt;250 To 500, Deduct</i>	-1.83	
		<i>For &gt;500, Deduct</i>	-2.19	
05 05 23 00-1024	EA	5/16" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt .....	9.73	
		<i>For &gt;100 To 250, Deduct</i>	-1.46	
		<i>For &gt;250 To 500, Deduct</i>	-1.83	
		<i>For &gt;500, Deduct</i>	-2.19	
05 05 23 00-1025	EA	5/16" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	10.12	
		<i>For &gt;100 To 250, Deduct</i>	-1.50	
		<i>For &gt;250 To 500, Deduct</i>	-1.88	
		<i>For &gt;500, Deduct</i>	-2.26	
05 05 23 00-1026	EA	5/16" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt .....	11.00	
		<i>For &gt;100 To 250, Deduct</i>	-1.50	
		<i>For &gt;250 To 500, Deduct</i>	-1.88	
		<i>For &gt;500, Deduct</i>	-2.26	
05 05 23 00-1027	EA	5/16" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	11.62	
		<i>For &gt;100 To 250, Deduct</i>	-1.50	
		<i>For &gt;250 To 500, Deduct</i>	-1.88	
		<i>For &gt;500, Deduct</i>	-2.26	
05 05 23 00-1028	EA	5/16" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt .....	12.09	
		<i>For &gt;100 To 250, Deduct</i>	-1.55	
		<i>For &gt;250 To 500, Deduct</i>	-1.93	
		<i>For &gt;500, Deduct</i>	-2.32	
05 05 23 00-1029	EA	5/16" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	13.40	
		<i>For &gt;100 To 250, Deduct</i>	-1.55	
		<i>For &gt;250 To 500, Deduct</i>	-1.93	
		<i>For &gt;500, Deduct</i>	-2.32	
05 05 23 00-1030	EA	5/16" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt .....	13.67	
		<i>For &gt;100 To 250, Deduct</i>	-1.55	
		<i>For &gt;250 To 500, Deduct</i>	-1.93	
		<i>For &gt;500, Deduct</i>	-2.32	
05 05 23 00-1031	EA	5/16" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	14.79	
		<i>For &gt;100 To 250, Deduct</i>	-1.59	
		<i>For &gt;250 To 500, Deduct</i>	-1.98	
		<i>For &gt;500, Deduct</i>	-2.38	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1032 EA 5/16" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt .....	15.82	
<i>For &gt;100 To 250, Deduct</i>	-1.59	
<i>For &gt;250 To 500, Deduct</i>	-1.98	
<i>For &gt;500, Deduct</i>	-2.38	
05 05 23 00-1033 EA 5/16" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	24.32	
<i>For &gt;100 To 250, Deduct</i>	-1.59	
<i>For &gt;250 To 500, Deduct</i>	-1.98	
<i>For &gt;500, Deduct</i>	-2.38	
05 05 23 00-1034 EA 5/16" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt .....	36.61	
<i>For &gt;100 To 250, Deduct</i>	-1.63	
<i>For &gt;250 To 500, Deduct</i>	-2.04	
<i>For &gt;500, Deduct</i>	-2.44	
<b>05 05 23 00-1035 3/8" Diameter, 316 Stainless Steel, Hex Head Bolts</b> <small>(05 05 23 00-1002)</small>		
05 05 23 00-1036 EA 3/8" Diameter x 1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	9.28	
<i>For &gt;100 To 250, Deduct</i>	-1.46	
<i>For &gt;250 To 500, Deduct</i>	-1.83	
<i>For &gt;500, Deduct</i>	-2.19	
05 05 23 00-1037 EA 3/8" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt .....	9.42	
<i>For &gt;100 To 250, Deduct</i>	-1.46	
<i>For &gt;250 To 500, Deduct</i>	-1.83	
<i>For &gt;500, Deduct</i>	-2.19	
05 05 23 00-1038 EA 3/8" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	9.95	
<i>For &gt;100 To 250, Deduct</i>	-1.46	
<i>For &gt;250 To 500, Deduct</i>	-1.83	
<i>For &gt;500, Deduct</i>	-2.19	
05 05 23 00-1039 EA 3/8" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt .....	11.22	
<i>For &gt;100 To 250, Deduct</i>	-1.46	
<i>For &gt;250 To 500, Deduct</i>	-1.83	
<i>For &gt;500, Deduct</i>	-2.19	
05 05 23 00-1040 EA 3/8" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	11.88	
<i>For &gt;100 To 250, Deduct</i>	-1.50	
<i>For &gt;250 To 500, Deduct</i>	-1.88	
<i>For &gt;500, Deduct</i>	-2.26	
05 05 23 00-1041 EA 3/8" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt .....	12.11	
<i>For &gt;100 To 250, Deduct</i>	-1.50	
<i>For &gt;250 To 500, Deduct</i>	-1.88	
<i>For &gt;500, Deduct</i>	-2.26	
05 05 23 00-1042 EA 3/8" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	13.21	
<i>For &gt;100 To 250, Deduct</i>	-1.50	
<i>For &gt;250 To 500, Deduct</i>	-1.88	
<i>For &gt;500, Deduct</i>	-2.26	
05 05 23 00-1043 EA 3/8" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt .....	13.59	
<i>For &gt;100 To 250, Deduct</i>	-1.55	
<i>For &gt;250 To 500, Deduct</i>	-1.93	
<i>For &gt;500, Deduct</i>	-2.32	
05 05 23 00-1044 EA 3/8" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	14.28	
<i>For &gt;100 To 250, Deduct</i>	-1.55	
<i>For &gt;250 To 500, Deduct</i>	-1.93	
<i>For &gt;500, Deduct</i>	-2.32	
05 05 23 00-1045 EA 3/8" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt .....	14.76	
<i>For &gt;100 To 250, Deduct</i>	-1.55	
<i>For &gt;250 To 500, Deduct</i>	-1.93	
<i>For &gt;500, Deduct</i>	-2.32	
05 05 23 00-1046 EA 3/8" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	16.49	
<i>For &gt;100 To 250, Deduct</i>	-1.59	
<i>For &gt;250 To 500, Deduct</i>	-1.98	
<i>For &gt;500, Deduct</i>	-2.38	
05 05 23 00-1047 EA 3/8" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt .....	18.36	
<i>For &gt;100 To 250, Deduct</i>	-1.59	
<i>For &gt;250 To 500, Deduct</i>	-1.98	
<i>For &gt;500, Deduct</i>	-2.38	
05 05 23 00-1048 EA 3/8" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	18.44	
<i>For &gt;100 To 250, Deduct</i>	-1.59	
<i>For &gt;250 To 500, Deduct</i>	-1.98	
<i>For &gt;500, Deduct</i>	-2.38	
05 05 23 00-1049 EA 3/8" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt .....	23.38	
<i>For &gt;100 To 250, Deduct</i>	-1.63	
<i>For &gt;250 To 500, Deduct</i>	-2.04	
<i>For &gt;500, Deduct</i>	-2.44	
05 05 23 00-1050 EA 3/8" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	31.08	
<i>For &gt;100 To 250, Deduct</i>	-1.63	
<i>For &gt;250 To 500, Deduct</i>	-2.04	
<i>For &gt;500, Deduct</i>	-2.44	
05 05 23 00-1051 EA 3/8" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt .....	39.40	
<i>For &gt;100 To 250, Deduct</i>	-1.63	
<i>For &gt;250 To 500, Deduct</i>	-2.04	
<i>For &gt;500, Deduct</i>	-2.44	
<b>05 05 23 00-1052 7/16" Diameter, 316 Stainless Steel, Hex Head Bolts</b> <small>(05 05 23 00-1002)</small>		

**05 Metals****05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1053 EA 7/16" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt .....	12.45	
For >100 To 250, Deduct	-1.67	
For >250 To 500, Deduct	-2.09	
For >500, Deduct	-2.51	
05 05 23 00-1054 EA 7/16" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	13.25	
For >100 To 250, Deduct	-1.67	
For >250 To 500, Deduct	-2.09	
For >500, Deduct	-2.51	
05 05 23 00-1055 EA 7/16" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt .....	14.74	
For >100 To 250, Deduct	-1.67	
For >250 To 500, Deduct	-2.09	
For >500, Deduct	-2.51	
05 05 23 00-1056 EA 7/16" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	16.24	
For >100 To 250, Deduct	-1.71	
For >250 To 500, Deduct	-2.14	
For >500, Deduct	-2.57	
05 05 23 00-1057 EA 7/16" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt .....	17.68	
For >100 To 250, Deduct	-1.71	
For >250 To 500, Deduct	-2.14	
For >500, Deduct	-2.57	
05 05 23 00-1058 EA 7/16" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	20.03	
For >100 To 250, Deduct	-1.71	
For >250 To 500, Deduct	-2.14	
For >500, Deduct	-2.57	
05 05 23 00-1059 EA 7/16" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt .....	22.48	
For >100 To 250, Deduct	-1.75	
For >250 To 500, Deduct	-2.19	
For >500, Deduct	-2.63	
05 05 23 00-1060 EA 7/16" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	22.89	
For >100 To 250, Deduct	-1.75	
For >250 To 500, Deduct	-2.19	
For >500, Deduct	-2.63	
05 05 23 00-1061 EA 7/16" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt .....	23.75	
For >100 To 250, Deduct	-1.75	
For >250 To 500, Deduct	-2.19	
For >500, Deduct	-2.63	
05 05 23 00-1062 EA 7/16" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	24.55	
For >100 To 250, Deduct	-1.80	
For >250 To 500, Deduct	-2.25	
For >500, Deduct	-2.69	
05 05 23 00-1063 EA 7/16" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt .....	25.16	
For >100 To 250, Deduct	-1.80	
For >250 To 500, Deduct	-2.25	
For >500, Deduct	-2.69	
05 05 23 00-1064 EA 7/16" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	25.78	
For >100 To 250, Deduct	-1.80	
For >250 To 500, Deduct	-2.25	
For >500, Deduct	-2.69	
05 05 23 00-1065 EA 7/16" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt .....	26.48	
For >100 To 250, Deduct	-1.84	
For >250 To 500, Deduct	-2.30	
For >500, Deduct	-2.76	
<b>05 05 23 00-1066 1/2" Diameter, 316 Stainless Steel, Hex Head Bolts</b> <small>(05 05 23 00-1002)</small>		
05 05 23 00-1067 EA 1/2" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt .....	12.41	
For >100 To 250, Deduct	-1.67	
For >250 To 500, Deduct	-2.09	
For >500, Deduct	-2.51	
05 05 23 00-1068 EA 1/2" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	13.27	
For >100 To 250, Deduct	-1.67	
For >250 To 500, Deduct	-2.09	
For >500, Deduct	-2.51	
05 05 23 00-1069 EA 1/2" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt .....	14.47	
For >100 To 250, Deduct	-1.67	
For >250 To 500, Deduct	-2.09	
For >500, Deduct	-2.51	
05 05 23 00-1070 EA 1/2" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	16.12	
For >100 To 250, Deduct	-1.71	
For >250 To 500, Deduct	-2.14	
For >500, Deduct	-2.57	
05 05 23 00-1071 EA 1/2" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt .....	17.45	
For >100 To 250, Deduct	-1.71	
For >250 To 500, Deduct	-2.14	
For >500, Deduct	-2.57	
05 05 23 00-1072 EA 1/2" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	17.78	
For >100 To 250, Deduct	-1.71	
For >250 To 500, Deduct	-2.14	
For >500, Deduct	-2.57	
05 05 23 00-1073 EA 1/2" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt .....	18.53	
For >100 To 250, Deduct	-1.75	
For >250 To 500, Deduct	-2.19	
For >500, Deduct	-2.63	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1074 EA 1/2" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	21.09	
<i>For &gt;100 To 250, Deduct</i>	-1.75	
<i>For &gt;250 To 500, Deduct</i>	-2.19	
<i>For &gt;500, Deduct</i>	-2.63	
05 05 23 00-1075 EA 1/2" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt .....	26.29	
<i>For &gt;100 To 250, Deduct</i>	-1.75	
<i>For &gt;250 To 500, Deduct</i>	-2.19	
<i>For &gt;500, Deduct</i>	-2.63	
05 05 23 00-1076 EA 1/2" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	26.90	
<i>For &gt;100 To 250, Deduct</i>	-1.80	
<i>For &gt;250 To 500, Deduct</i>	-2.25	
<i>For &gt;500, Deduct</i>	-2.69	
05 05 23 00-1077 EA 1/2" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt .....	27.72	
<i>For &gt;100 To 250, Deduct</i>	-1.80	
<i>For &gt;250 To 500, Deduct</i>	-2.25	
<i>For &gt;500, Deduct</i>	-2.69	
05 05 23 00-1078 EA 1/2" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	34.15	
<i>For &gt;100 To 250, Deduct</i>	-1.80	
<i>For &gt;250 To 500, Deduct</i>	-2.25	
<i>For &gt;500, Deduct</i>	-2.69	
05 05 23 00-1079 EA 1/2" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt .....	38.67	
<i>For &gt;100 To 250, Deduct</i>	-1.84	
<i>For &gt;250 To 500, Deduct</i>	-2.30	
<i>For &gt;500, Deduct</i>	-2.76	
05 05 23 00-1080 EA 1/2" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	41.45	
<i>For &gt;100 To 250, Deduct</i>	-1.84	
<i>For &gt;250 To 500, Deduct</i>	-2.30	
<i>For &gt;500, Deduct</i>	-2.76	
05 05 23 00-1081 EA 1/2" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt .....	46.06	
<i>For &gt;100 To 250, Deduct</i>	-1.84	
<i>For &gt;250 To 500, Deduct</i>	-2.30	
<i>For &gt;500, Deduct</i>	-2.76	
05 05 23 00-1082 EA 1/2" Diameter x 8-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	58.46	
<i>For &gt;100 To 250, Deduct</i>	-1.88	
<i>For &gt;250 To 500, Deduct</i>	-2.35	
<i>For &gt;500, Deduct</i>	-2.82	
05 05 23 00-1083 EA 1/2" Diameter x 9" Length, 316 Stainless Steel, Hex Head Bolt .....	66.32	
<i>For &gt;100 To 250, Deduct</i>	-1.88	
<i>For &gt;250 To 500, Deduct</i>	-2.35	
<i>For &gt;500, Deduct</i>	-2.82	
05 05 23 00-1084 EA 1/2" Diameter x 9-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	67.61	
<i>For &gt;100 To 250, Deduct</i>	-1.88	
<i>For &gt;250 To 500, Deduct</i>	-2.35	
<i>For &gt;500, Deduct</i>	-2.82	
05 05 23 00-1085 EA 1/2" Diameter x 10" Length, 316 Stainless Steel, Hex Head Bolt .....	69.62	
<i>For &gt;100 To 250, Deduct</i>	-1.88	
<i>For &gt;250 To 500, Deduct</i>	-2.35	
<i>For &gt;500, Deduct</i>	-2.82	
<b>05 05 23 00-1086 9/16" Diameter, 316 Stainless Steel, Hex Head Bolts <small>(05 05 23 00-1002)</small> .....</b>	<b>33.95</b>	
05 05 23 00-1087 EA 9/16" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt .....	33.95	
<i>For &gt;100 To 250, Deduct</i>	-1.67	
<i>For &gt;250 To 500, Deduct</i>	-2.09	
<i>For &gt;500, Deduct</i>	-2.51	
05 05 23 00-1088 EA 9/16" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	36.78	
<i>For &gt;100 To 250, Deduct</i>	-1.67	
<i>For &gt;250 To 500, Deduct</i>	-2.09	
<i>For &gt;500, Deduct</i>	-2.51	
05 05 23 00-1089 EA 9/16" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt .....	46.24	
<i>For &gt;100 To 250, Deduct</i>	-1.67	
<i>For &gt;250 To 500, Deduct</i>	-2.09	
<i>For &gt;500, Deduct</i>	-2.51	
05 05 23 00-1090 EA 9/16" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	51.76	
<i>For &gt;100 To 250, Deduct</i>	-1.71	
<i>For &gt;250 To 500, Deduct</i>	-2.14	
<i>For &gt;500, Deduct</i>	-2.57	
05 05 23 00-1091 EA 9/16" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt .....	57.35	
<i>For &gt;100 To 250, Deduct</i>	-1.71	
<i>For &gt;250 To 500, Deduct</i>	-2.14	
<i>For &gt;500, Deduct</i>	-2.57	
05 05 23 00-1092 EA 9/16" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	62.94	
<i>For &gt;100 To 250, Deduct</i>	-1.71	
<i>For &gt;250 To 500, Deduct</i>	-2.14	
<i>For &gt;500, Deduct</i>	-2.57	
05 05 23 00-1093 EA 9/16" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt .....	66.63	
<i>For &gt;100 To 250, Deduct</i>	-1.75	
<i>For &gt;250 To 500, Deduct</i>	-2.19	
<i>For &gt;500, Deduct</i>	-2.63	
05 05 23 00-1094 EA 9/16" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	71.23	
<i>For &gt;100 To 250, Deduct</i>	-1.75	
<i>For &gt;250 To 500, Deduct</i>	-2.19	
<i>For &gt;500, Deduct</i>	-2.63	

**05 Metals****05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1095	EA	9/16" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt	75.33	
		<i>For &gt;100 To 250, Deduct</i>	-1.75	
		<i>For &gt;250 To 500, Deduct</i>	-2.19	
		<i>For &gt;500, Deduct</i>	-2.63	
05 05 23 00-1096	EA	9/16" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	76.78	
		<i>For &gt;100 To 250, Deduct</i>	-1.80	
		<i>For &gt;250 To 500, Deduct</i>	-2.25	
		<i>For &gt;500, Deduct</i>	-2.69	
05 05 23 00-1097	EA	9/16" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt	80.38	
		<i>For &gt;100 To 250, Deduct</i>	-1.80	
		<i>For &gt;250 To 500, Deduct</i>	-2.25	
		<i>For &gt;500, Deduct</i>	-2.69	
<b>05 05 23 00-1098</b>		<b>5/8" Diameter, 316 Stainless Steel, Hex Head Bolts</b> <small>(05 05 23 00-1002)</small>		
05 05 23 00-1099	EA	5/8" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt	17.84	
		<i>For &gt;100 To 250, Deduct</i>	-1.88	
		<i>For &gt;250 To 500, Deduct</i>	-2.35	
		<i>For &gt;500, Deduct</i>	-2.82	
05 05 23 00-1100	EA	5/8" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	18.08	
		<i>For &gt;100 To 250, Deduct</i>	-1.88	
		<i>For &gt;250 To 500, Deduct</i>	-2.35	
		<i>For &gt;500, Deduct</i>	-2.82	
05 05 23 00-1101	EA	5/8" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt	18.17	
		<i>For &gt;100 To 250, Deduct</i>	-1.88	
		<i>For &gt;250 To 500, Deduct</i>	-2.35	
		<i>For &gt;500, Deduct</i>	-2.82	
05 05 23 00-1102	EA	5/8" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	19.98	
		<i>For &gt;100 To 250, Deduct</i>	-1.92	
		<i>For &gt;250 To 500, Deduct</i>	-2.40	
		<i>For &gt;500, Deduct</i>	-2.88	
05 05 23 00-1103	EA	5/8" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt	21.64	
		<i>For &gt;100 To 250, Deduct</i>	-1.92	
		<i>For &gt;250 To 500, Deduct</i>	-2.40	
		<i>For &gt;500, Deduct</i>	-2.88	
05 05 23 00-1104	EA	5/8" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	26.91	
		<i>For &gt;100 To 250, Deduct</i>	-1.92	
		<i>For &gt;250 To 500, Deduct</i>	-2.40	
		<i>For &gt;500, Deduct</i>	-2.88	
05 05 23 00-1105	EA	5/8" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt	28.22	
		<i>For &gt;100 To 250, Deduct</i>	-1.96	
		<i>For &gt;250 To 500, Deduct</i>	-2.45	
		<i>For &gt;500, Deduct</i>	-2.94	
05 05 23 00-1106	EA	5/8" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	32.83	
		<i>For &gt;100 To 250, Deduct</i>	-1.96	
		<i>For &gt;250 To 500, Deduct</i>	-2.45	
		<i>For &gt;500, Deduct</i>	-2.94	
05 05 23 00-1107	EA	5/8" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt	34.43	
		<i>For &gt;100 To 250, Deduct</i>	-1.96	
		<i>For &gt;250 To 500, Deduct</i>	-2.45	
		<i>For &gt;500, Deduct</i>	-2.94	
05 05 23 00-1108	EA	5/8" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	37.67	
		<i>For &gt;100 To 250, Deduct</i>	-2.00	
		<i>For &gt;250 To 500, Deduct</i>	-2.51	
		<i>For &gt;500, Deduct</i>	-3.01	
05 05 23 00-1109	EA	5/8" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt	38.98	
		<i>For &gt;100 To 250, Deduct</i>	-2.00	
		<i>For &gt;250 To 500, Deduct</i>	-2.51	
		<i>For &gt;500, Deduct</i>	-3.01	
05 05 23 00-1110	EA	5/8" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	47.05	
		<i>For &gt;100 To 250, Deduct</i>	-2.00	
		<i>For &gt;250 To 500, Deduct</i>	-2.51	
		<i>For &gt;500, Deduct</i>	-3.01	
05 05 23 00-1111	EA	5/8" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt	50.17	
		<i>For &gt;100 To 250, Deduct</i>	-2.05	
		<i>For &gt;250 To 500, Deduct</i>	-2.56	
		<i>For &gt;500, Deduct</i>	-3.07	
05 05 23 00-1112	EA	5/8" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt	51.20	
		<i>For &gt;100 To 250, Deduct</i>	-2.05	
		<i>For &gt;250 To 500, Deduct</i>	-2.56	
		<i>For &gt;500, Deduct</i>	-3.07	
05 05 23 00-1113	EA	5/8" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt	54.97	
		<i>For &gt;100 To 250, Deduct</i>	-2.05	
		<i>For &gt;250 To 500, Deduct</i>	-2.56	
		<i>For &gt;500, Deduct</i>	-3.07	
05 05 23 00-1114	EA	5/8" Diameter x 8-1/2" Length, 316 Stainless Steel, Hex Head Bolt	58.57	
		<i>For &gt;100 To 250, Deduct</i>	-2.09	
		<i>For &gt;250 To 500, Deduct</i>	-2.61	
		<i>For &gt;500, Deduct</i>	-3.13	
05 05 23 00-1115	EA	5/8" Diameter x 9" Length, 316 Stainless Steel, Hex Head Bolt	61.76	
		<i>For &gt;100 To 250, Deduct</i>	-2.09	
		<i>For &gt;250 To 500, Deduct</i>	-2.61	
		<i>For &gt;500, Deduct</i>	-3.13	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1116 EA 5/8" Diameter x 9-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	77.00	
<i>For &gt;100 To 250, Deduct</i>	-2.09	
<i>For &gt;250 To 500, Deduct</i>	-2.61	
<i>For &gt;500, Deduct</i>	-3.13	
05 05 23 00-1117 EA 5/8" Diameter x 10" Length, 316 Stainless Steel, Hex Head Bolt .....	93.28	
<i>For &gt;100 To 250, Deduct</i>	-2.09	
<i>For &gt;250 To 500, Deduct</i>	-2.61	
<i>For &gt;500, Deduct</i>	-3.13	
<b>05 05 23 00-1118 3/4" Diameter, 316 Stainless Steel, Hex Head Bolts</b> <small>(05 05 23 00-1002)</small>		
05 05 23 00-1119 EA 3/4" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt .....	24.25	
<i>For &gt;100 To 250, Deduct</i>	-1.88	
<i>For &gt;250 To 500, Deduct</i>	-2.35	
<i>For &gt;500, Deduct</i>	-2.82	
05 05 23 00-1120 EA 3/4" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	24.82	
<i>For &gt;100 To 250, Deduct</i>	-1.88	
<i>For &gt;250 To 500, Deduct</i>	-2.35	
<i>For &gt;500, Deduct</i>	-2.82	
05 05 23 00-1121 EA 3/4" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt .....	27.02	
<i>For &gt;100 To 250, Deduct</i>	-1.88	
<i>For &gt;250 To 500, Deduct</i>	-2.35	
<i>For &gt;500, Deduct</i>	-2.82	
05 05 23 00-1122 EA 3/4" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	29.14	
<i>For &gt;100 To 250, Deduct</i>	-1.92	
<i>For &gt;250 To 500, Deduct</i>	-2.40	
<i>For &gt;500, Deduct</i>	-2.88	
05 05 23 00-1123 EA 3/4" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt .....	33.24	
<i>For &gt;100 To 250, Deduct</i>	-1.92	
<i>For &gt;250 To 500, Deduct</i>	-2.40	
<i>For &gt;500, Deduct</i>	-2.88	
05 05 23 00-1124 EA 3/4" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	35.61	
<i>For &gt;100 To 250, Deduct</i>	-1.92	
<i>For &gt;250 To 500, Deduct</i>	-2.40	
<i>For &gt;500, Deduct</i>	-2.88	
05 05 23 00-1125 EA 3/4" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt .....	40.88	
<i>For &gt;100 To 250, Deduct</i>	-1.96	
<i>For &gt;250 To 500, Deduct</i>	-2.45	
<i>For &gt;500, Deduct</i>	-2.94	
05 05 23 00-1126 EA 3/4" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	42.97	
<i>For &gt;100 To 250, Deduct</i>	-1.96	
<i>For &gt;250 To 500, Deduct</i>	-2.45	
<i>For &gt;500, Deduct</i>	-2.94	
05 05 23 00-1127 EA 3/4" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt .....	44.12	
<i>For &gt;100 To 250, Deduct</i>	-1.96	
<i>For &gt;250 To 500, Deduct</i>	-2.45	
<i>For &gt;500, Deduct</i>	-2.94	
05 05 23 00-1128 EA 3/4" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	45.87	
<i>For &gt;100 To 250, Deduct</i>	-2.00	
<i>For &gt;250 To 500, Deduct</i>	-2.51	
<i>For &gt;500, Deduct</i>	-3.01	
05 05 23 00-1129 EA 3/4" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt .....	48.49	
<i>For &gt;100 To 250, Deduct</i>	-2.00	
<i>For &gt;250 To 500, Deduct</i>	-2.51	
<i>For &gt;500, Deduct</i>	-3.01	
05 05 23 00-1130 EA 3/4" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	56.56	
<i>For &gt;100 To 250, Deduct</i>	-2.00	
<i>For &gt;250 To 500, Deduct</i>	-2.51	
<i>For &gt;500, Deduct</i>	-3.01	
05 05 23 00-1131 EA 3/4" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt .....	68.44	
<i>For &gt;100 To 250, Deduct</i>	-2.05	
<i>For &gt;250 To 500, Deduct</i>	-2.56	
<i>For &gt;500, Deduct</i>	-3.07	
05 05 23 00-1132 EA 3/4" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	77.54	
<i>For &gt;100 To 250, Deduct</i>	-2.05	
<i>For &gt;250 To 500, Deduct</i>	-2.56	
<i>For &gt;500, Deduct</i>	-3.07	
05 05 23 00-1133 EA 3/4" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt .....	78.91	
<i>For &gt;100 To 250, Deduct</i>	-2.05	
<i>For &gt;250 To 500, Deduct</i>	-2.56	
<i>For &gt;500, Deduct</i>	-3.07	
05 05 23 00-1134 EA 3/4" Diameter x 8-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	84.58	
<i>For &gt;100 To 250, Deduct</i>	-2.09	
<i>For &gt;250 To 500, Deduct</i>	-2.61	
<i>For &gt;500, Deduct</i>	-3.13	
05 05 23 00-1135 EA 3/4" Diameter x 9" Length, 316 Stainless Steel, Hex Head Bolt .....	98.36	
<i>For &gt;100 To 250, Deduct</i>	-2.09	
<i>For &gt;250 To 500, Deduct</i>	-2.61	
<i>For &gt;500, Deduct</i>	-3.13	
05 05 23 00-1136 EA 3/4" Diameter x 9-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	99.53	
<i>For &gt;100 To 250, Deduct</i>	-2.09	
<i>For &gt;250 To 500, Deduct</i>	-2.61	
<i>For &gt;500, Deduct</i>	-3.13	

**05 Metals****05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1137	EA		3/4" Diameter x 10" Length, 316 Stainless Steel, Hex Head Bolt .....	102.44	
			<i>For &gt;100 To 250, Deduct</i>	-2.09	
			<i>For &gt;250 To 500, Deduct</i>	-2.61	
			<i>For &gt;500, Deduct</i>	-3.13	
<b>05 05 23 00-1138</b>			<b>7/8" Diameter, 316 Stainless Steel, Hex Head Bolts</b> <small>(05 05 23 00-1002)</small>		
05 05 23 00-1139	EA		7/8" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	27.37	
			<i>For &gt;100 To 250, Deduct</i>	-2.09	
			<i>For &gt;250 To 500, Deduct</i>	-2.61	
			<i>For &gt;500, Deduct</i>	-3.13	
05 05 23 00-1140	EA		7/8" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt .....	31.16	
			<i>For &gt;100 To 250, Deduct</i>	-2.09	
			<i>For &gt;250 To 500, Deduct</i>	-2.61	
			<i>For &gt;500, Deduct</i>	-3.13	
05 05 23 00-1141	EA		7/8" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	33.45	
			<i>For &gt;100 To 250, Deduct</i>	-2.13	
			<i>For &gt;250 To 500, Deduct</i>	-2.66	
			<i>For &gt;500, Deduct</i>	-3.20	
05 05 23 00-1142	EA		7/8" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt .....	38.75	
			<i>For &gt;100 To 250, Deduct</i>	-2.13	
			<i>For &gt;250 To 500, Deduct</i>	-2.66	
			<i>For &gt;500, Deduct</i>	-3.20	
05 05 23 00-1143	EA		7/8" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	41.13	
			<i>For &gt;100 To 250, Deduct</i>	-2.13	
			<i>For &gt;250 To 500, Deduct</i>	-2.66	
			<i>For &gt;500, Deduct</i>	-3.20	
05 05 23 00-1144	EA		7/8" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt .....	43.43	
			<i>For &gt;100 To 250, Deduct</i>	-2.17	
			<i>For &gt;250 To 500, Deduct</i>	-2.72	
			<i>For &gt;500, Deduct</i>	-3.26	
05 05 23 00-1145	EA		7/8" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	46.64	
			<i>For &gt;100 To 250, Deduct</i>	-2.17	
			<i>For &gt;250 To 500, Deduct</i>	-2.72	
			<i>For &gt;500, Deduct</i>	-3.26	
05 05 23 00-1146	EA		7/8" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt .....	53.87	
			<i>For &gt;100 To 250, Deduct</i>	-2.17	
			<i>For &gt;250 To 500, Deduct</i>	-2.72	
			<i>For &gt;500, Deduct</i>	-3.26	
05 05 23 00-1147	EA		7/8" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	54.27	
			<i>For &gt;100 To 250, Deduct</i>	-2.21	
			<i>For &gt;250 To 500, Deduct</i>	-2.77	
			<i>For &gt;500, Deduct</i>	-3.32	
05 05 23 00-1148	EA		7/8" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt .....	56.67	
			<i>For &gt;100 To 250, Deduct</i>	-2.21	
			<i>For &gt;250 To 500, Deduct</i>	-2.77	
			<i>For &gt;500, Deduct</i>	-3.32	
05 05 23 00-1149	EA		7/8" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	76.90	
			<i>For &gt;100 To 250, Deduct</i>	-2.21	
			<i>For &gt;250 To 500, Deduct</i>	-2.77	
			<i>For &gt;500, Deduct</i>	-3.32	
05 05 23 00-1150	EA		7/8" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt .....	86.03	
			<i>For &gt;100 To 250, Deduct</i>	-2.25	
			<i>For &gt;250 To 500, Deduct</i>	-2.82	
			<i>For &gt;500, Deduct</i>	-3.38	
05 05 23 00-1151	EA		7/8" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	95.64	
			<i>For &gt;100 To 250, Deduct</i>	-2.25	
			<i>For &gt;250 To 500, Deduct</i>	-2.82	
			<i>For &gt;500, Deduct</i>	-3.38	
05 05 23 00-1152	EA		7/8" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt .....	100.37	
			<i>For &gt;100 To 250, Deduct</i>	-2.25	
			<i>For &gt;250 To 500, Deduct</i>	-2.82	
			<i>For &gt;500, Deduct</i>	-3.38	
05 05 23 00-1153	EA		7/8" Diameter x 8-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	106.73	
			<i>For &gt;100 To 250, Deduct</i>	-2.30	
			<i>For &gt;250 To 500, Deduct</i>	-2.87	
			<i>For &gt;500, Deduct</i>	-3.44	
05 05 23 00-1154	EA		7/8" Diameter x 9" Length, 316 Stainless Steel, Hex Head Bolt .....	110.84	
			<i>For &gt;100 To 250, Deduct</i>	-2.30	
			<i>For &gt;250 To 500, Deduct</i>	-2.87	
			<i>For &gt;500, Deduct</i>	-3.44	
05 05 23 00-1155	EA		7/8" Diameter x 9-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	114.92	
			<i>For &gt;100 To 250, Deduct</i>	-2.30	
			<i>For &gt;250 To 500, Deduct</i>	-2.87	
			<i>For &gt;500, Deduct</i>	-3.44	
05 05 23 00-1156	EA		7/8" Diameter x 10" Length, 316 Stainless Steel, Hex Head Bolt .....	119.51	
			<i>For &gt;100 To 250, Deduct</i>	-2.30	
			<i>For &gt;250 To 500, Deduct</i>	-2.87	
			<i>For &gt;500, Deduct</i>	-3.44	

05 05 23 00-1157 1" Diameter, 316 Stainless Steel, Hex Head Bolts (05 05 23 00-1002)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1158 EA 1" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt .....	35.71	
<i>For &gt;100 To 250, Deduct</i>	-2.09	
<i>For &gt;250 To 500, Deduct</i>	-2.61	
<i>For &gt;500, Deduct</i>	-3.13	
05 05 23 00-1159 EA 1" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	41.76	
<i>For &gt;100 To 250, Deduct</i>	-2.13	
<i>For &gt;250 To 500, Deduct</i>	-2.66	
<i>For &gt;500, Deduct</i>	-3.20	
05 05 23 00-1160 EA 1" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt .....	45.68	
<i>For &gt;100 To 250, Deduct</i>	-2.13	
<i>For &gt;250 To 500, Deduct</i>	-2.66	
<i>For &gt;500, Deduct</i>	-3.20	
05 05 23 00-1161 EA 1" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	51.92	
<i>For &gt;100 To 250, Deduct</i>	-2.13	
<i>For &gt;250 To 500, Deduct</i>	-2.66	
<i>For &gt;500, Deduct</i>	-3.20	
05 05 23 00-1162 EA 1" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt .....	54.37	
<i>For &gt;100 To 250, Deduct</i>	-2.17	
<i>For &gt;250 To 500, Deduct</i>	-2.72	
<i>For &gt;500, Deduct</i>	-3.26	
05 05 23 00-1163 EA 1" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	58.61	
<i>For &gt;100 To 250, Deduct</i>	-2.17	
<i>For &gt;250 To 500, Deduct</i>	-2.72	
<i>For &gt;500, Deduct</i>	-3.26	
05 05 23 00-1164 EA 1" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt .....	62.89	
<i>For &gt;100 To 250, Deduct</i>	-2.17	
<i>For &gt;250 To 500, Deduct</i>	-2.72	
<i>For &gt;500, Deduct</i>	-3.26	
05 05 23 00-1165 EA 1" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	67.40	
<i>For &gt;100 To 250, Deduct</i>	-2.21	
<i>For &gt;250 To 500, Deduct</i>	-2.77	
<i>For &gt;500, Deduct</i>	-3.32	
05 05 23 00-1166 EA 1" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt .....	78.46	
<i>For &gt;100 To 250, Deduct</i>	-2.21	
<i>For &gt;250 To 500, Deduct</i>	-2.77	
<i>For &gt;500, Deduct</i>	-3.32	
05 05 23 00-1167 EA 1" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	89.36	
<i>For &gt;100 To 250, Deduct</i>	-2.21	
<i>For &gt;250 To 500, Deduct</i>	-2.77	
<i>For &gt;500, Deduct</i>	-3.32	
05 05 23 00-1168 EA 1" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt .....	104.47	
<i>For &gt;100 To 250, Deduct</i>	-2.25	
<i>For &gt;250 To 500, Deduct</i>	-2.82	
<i>For &gt;500, Deduct</i>	-3.38	
05 05 23 00-1169 EA 1" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	117.00	
<i>For &gt;100 To 250, Deduct</i>	-2.25	
<i>For &gt;250 To 500, Deduct</i>	-2.82	
<i>For &gt;500, Deduct</i>	-3.38	
05 05 23 00-1170 EA 1" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt .....	118.81	
<i>For &gt;100 To 250, Deduct</i>	-2.25	
<i>For &gt;250 To 500, Deduct</i>	-2.82	
<i>For &gt;500, Deduct</i>	-3.38	
05 05 23 00-1171 EA 1" Diameter x 8-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	123.11	
<i>For &gt;100 To 250, Deduct</i>	-2.30	
<i>For &gt;250 To 500, Deduct</i>	-2.87	
<i>For &gt;500, Deduct</i>	-3.44	
05 05 23 00-1172 EA 1" Diameter x 9" Length, 316 Stainless Steel, Hex Head Bolt .....	124.83	
<i>For &gt;100 To 250, Deduct</i>	-2.30	
<i>For &gt;250 To 500, Deduct</i>	-2.87	
<i>For &gt;500, Deduct</i>	-3.44	
05 05 23 00-1173 EA 1" Diameter x 9-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	145.65	
<i>For &gt;100 To 250, Deduct</i>	-2.30	
<i>For &gt;250 To 500, Deduct</i>	-2.87	
<i>For &gt;500, Deduct</i>	-3.44	
05 05 23 00-1174 EA 1" Diameter x 10" Length, 316 Stainless Steel, Hex Head Bolt .....	165.74	
<i>For &gt;100 To 250, Deduct</i>	-2.30	
<i>For &gt;250 To 500, Deduct</i>	-2.87	
<i>For &gt;500, Deduct</i>	-3.44	
 05 05 23 00-1175 Screws <small>(05 05 23)</small>		
05 05 23 00-1176 Teks® 5 Self Drilling Screws <small>(05 05 23 00-1175)</small>		
Note: Includes Climaseal® finish, self-drill point and tapping threads.		
05 05 23 00-1177 EA 12-24 x 1-1/4", Hex Washer Head, Teks® 5 Self Drilling Screw .....	4.00	
<i>For &gt;10 To 50, Deduct</i>	-0.17	
<i>For &gt;50 To 100, Deduct</i>	-0.36	
<i>For &gt;100, Deduct</i>	-0.72	
05 05 23 00-1178 EA 12-24 x 1-1/2", Hex Washer Head, Teks® 5 Self Drilling Screw .....	4.18	
<i>For &gt;10 To 50, Deduct</i>	-0.17	
<i>For &gt;50 To 100, Deduct</i>	-0.37	
<i>For &gt;100, Deduct</i>	-0.73	
05 05 23 00-1179 EA 12-24 x 2", Hex Washer Head, Teks® 5 Self Drilling Screw .....	4.68	
<i>For &gt;10 To 50, Deduct</i>	-0.19	
<i>For &gt;50 To 100, Deduct</i>	-0.40	
<i>For &gt;100, Deduct</i>	-0.79	

**05 Metals****05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1180 EA 1/4" x 3", 28 TPI, Hex Washer Head, Teks® 5 Self Drilling Screw .....	6.48	
For>10 To 50, Deduct	-0.23	
For>50 To 100, Deduct	-0.51	
For>100, Deduct	-1.02	
05 05 23 00-1181 EA 1/4" x 4", 28 TPI, Hex Washer Head, Teks® 5 Self Drilling Screw .....	6.93	
For>10 To 50, Deduct	-0.24	
For>50 To 100, Deduct	-0.54	
For>100, Deduct	-1.08	
05 05 23 00-1182 EA 1/4" x 6", 28 TPI, Hex Washer Head, Teks® 5 Self Drilling Screw .....	8.66	
For>10 To 50, Deduct	-0.26	
For>50 To 100, Deduct	-0.60	
For>100, Deduct	-1.20	
05 05 23 00-1183 EA 1/4" x 8", 28 TPI, Hex Washer Head, Teks® 5 Self Drilling Screw .....	9.71	
For>10 To 50, Deduct	-0.27	
For>50 To 100, Deduct	-0.64	
For>100, Deduct	-1.29	
<b>05 05 23 00-1184 Security Screws (05 05 23 00-1175)</b>		
<b>05 05 23 00-1185 304/18-8 Stainless Steel, Security Screws (05 05 23 00-1184)</b>		
Note: Includes "security" style drive in machine or sheet metal screw threads.		
05 05 23 00-1186 EA #4 Diameter x 1/2" Length, 304/18-8 Stainless Steel, Security Screws .....	3.14	
For>10 To 50, Deduct	-0.15	
For>50 To 100, Deduct	-0.30	
For>100, Deduct	-0.60	
05 05 23 00-1187 EA #6 Diameter x 1/2" Length, 304/18-8 Stainless Steel, Security Screw .....	3.73	
For>10 To 50, Deduct	-0.15	
For>50 To 100, Deduct	-0.31	
For>100, Deduct	-0.62	
05 05 23 00-1188 EA #6 Diameter x 1" Length, 304/18-8 Stainless Steel, Security Screw .....	4.23	
For>10 To 50, Deduct	-0.15	
For>50 To 100, Deduct	-0.32	
For>100, Deduct	-0.65	
05 05 23 00-1189 EA #6 Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Security Screw .....	4.41	
For>10 To 50, Deduct	-0.15	
For>50 To 100, Deduct	-0.33	
For>100, Deduct	-0.66	
05 05 23 00-1190 EA #6 Diameter x 2" Length, 304/18-8 Stainless Steel, Security Screw .....	4.73	
For>10 To 50, Deduct	-0.15	
For>50 To 100, Deduct	-0.34	
For>100, Deduct	-0.67	
05 05 23 00-1191 EA #8 Diameter x 1/2" Length, 304/18-8 Stainless Steel, Security Screw .....	3.86	
For>10 To 50, Deduct	-0.15	
For>50 To 100, Deduct	-0.32	
For>100, Deduct	-0.63	
05 05 23 00-1192 EA #8 Diameter x 1" Length, 304/18-8 Stainless Steel, Security Screw .....	4.10	
For>10 To 50, Deduct	-0.15	
For>50 To 100, Deduct	-0.32	
For>100, Deduct	-0.64	
05 05 23 00-1193 EA #8 Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Security Screw .....	4.60	
For>10 To 50, Deduct	-0.15	
For>50 To 100, Deduct	-0.33	
For>100, Deduct	-0.67	
05 05 23 00-1194 EA #8 Diameter x 2" Length, 304/18-8 Stainless Steel, Security Screw .....	4.76	
For>10 To 50, Deduct	-0.15	
For>50 To 100, Deduct	-0.34	
For>100, Deduct	-0.68	
05 05 23 00-1195 EA #10 Diameter x 1/2" Length, 304/18-8 Stainless Steel, Security Screw .....	4.01	
For>10 To 50, Deduct	-0.15	
For>50 To 100, Deduct	-0.32	
For>100, Deduct	-0.64	
05 05 23 00-1196 EA #10 Diameter x 1" Length, 304/18-8 Stainless Steel, Security Screw .....	4.08	
For>10 To 50, Deduct	-0.15	
For>50 To 100, Deduct	-0.32	
For>100, Deduct	-0.64	
05 05 23 00-1197 EA #10 Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Security Screw .....	4.30	
For>10 To 50, Deduct	-0.15	
For>50 To 100, Deduct	-0.33	
For>100, Deduct	-0.65	
05 05 23 00-1198 EA #10 Diameter x 2" Length, 304/18-8 Stainless Steel, Security Screw .....	4.97	
For>10 To 50, Deduct	-0.15	
For>50 To 100, Deduct	-0.34	
For>100, Deduct	-0.69	
05 05 23 00-1199 EA 1/4" Diameter x 1/2" Length, 304/18-8 Stainless Steel, Security Screw .....	4.41	
For>10 To 50, Deduct	-0.15	
For>50 To 100, Deduct	-0.33	
For>100, Deduct	-0.66	
05 05 23 00-1200 EA 1/4" Diameter x 1" Length, 304/18-8 Stainless Steel, Security Screw .....	4.56	
For>10 To 50, Deduct	-0.15	
For>50 To 100, Deduct	-0.33	
For>100, Deduct	-0.67	
05 05 23 00-1201 EA 1/4" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Security Screw .....	5.21	
For>10 To 50, Deduct	-0.15	
For>50 To 100, Deduct	-0.35	
For>100, Deduct	-0.70	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1202 EA 1/4" Diameter x 2" Length, 304/18-8 Stainless Steel, Security Screw .....	6.24	
<i>For &gt;10 To 50, Deduct</i>	-0.15	
<i>For &gt;50 To 100, Deduct</i>	-0.38	
<i>For &gt;100, Deduct</i>	-0.75	
<b>05 05 23 00-1203 Threaded Rod</b> <small>(05 05 23)</small>		
Note: Fully threaded. See CSI section 05 05 19 00-0169 for anchoring adhesive, 05 05 23 00-1296 for nuts and washers.		
<b>05 05 23 00-1204 Plain Finish Steel, Low Carbon Threaded Rod</b> <small>(05 05 23 00-1203)</small>		
05 05 23 00-1205 LF 1/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod .....	2.55	0.53
<i>For Left Hand Threaded Rod, Add</i>	0.15	
05 05 23 00-1206 LF 5/16" Diameter, Plain Finish Steel, Low Carbon Threaded Rod .....	3.41	0.58
<i>For Left Hand Threaded Rod, Add</i>	0.22	
05 05 23 00-1207 LF 3/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod .....	3.96	0.68
<i>For Left Hand Threaded Rod, Add</i>	0.26	
05 05 23 00-1208 LF 7/16" Diameter, Plain Finish Steel, Low Carbon Threaded Rod .....	5.47	0.69
<i>For Left Hand Threaded Rod, Add</i>	0.41	
05 05 23 00-1209 LF 1/2" Diameter, Plain Finish Steel, Low Carbon Threaded Rod .....	5.60	0.72
<i>For Left Hand Threaded Rod, Add</i>	0.42	
05 05 23 00-1210 LF 9/16" Diameter, Plain Finish Steel, Low Carbon Threaded Rod .....	7.03	0.73
<i>For Left Hand Threaded Rod, Add</i>	0.56	
05 05 23 00-1211 LF 5/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod .....	7.96	0.74
<i>For Left Hand Threaded Rod, Add</i>	0.65	
05 05 23 00-1212 LF 3/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod .....	13.30	0.76
<i>For Left Hand Threaded Rod, Add</i>	1.18	
05 05 23 00-1213 LF 7/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod .....	14.52	0.79
<i>For Left Hand Threaded Rod, Add</i>	1.30	
05 05 23 00-1214 LF 1" Diameter, Plain Finish Steel, Low Carbon Threaded Rod .....	19.97	0.89
<i>For Left Hand Threaded Rod, Add</i>	1.82	
05 05 23 00-1215 LF 1-1/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod .....	24.92	0.99
<i>For Left Hand Threaded Rod, Add</i>	2.30	
05 05 23 00-1216 LF 1-1/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod .....	33.18	1.07
<i>For Left Hand Threaded Rod, Add</i>	3.10	
05 05 23 00-1217 LF 1-3/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod .....	41.41	1.16
<i>For Left Hand Threaded Rod, Add</i>	3.91	
05 05 23 00-1218 LF 1-1/2" Diameter, Plain Finish Steel, Low Carbon Threaded Rod .....	49.62	1.21
<i>For Left Hand Threaded Rod, Add</i>	4.72	
05 05 23 00-1219 LF 1-3/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod .....	60.97	1.27
<i>For Left Hand Threaded Rod, Add</i>	5.84	
05 05 23 00-1220 LF 2" Diameter, Plain Finish Steel, Low Carbon Threaded Rod .....	78.05	1.33
<i>For Left Hand Threaded Rod, Add</i>	7.54	
<b>05 05 23 00-1221 Zinc Plated Steel, Low Carbon Threaded Rod</b> <small>(05 05 23 00-1203)</small>		
05 05 23 00-1222 LF 1/4" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod .....	2.57	0.53
<i>For Left Hand Threaded Rod, Add</i>	0.15	
05 05 23 00-1223 LF 5/16" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod .....	3.90	0.58
<i>For Left Hand Threaded Rod, Add</i>	0.27	
05 05 23 00-1224 LF 3/8" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod .....	4.33	0.68
<i>For Left Hand Threaded Rod, Add</i>	0.30	
05 05 23 00-1225 LF 7/16" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod .....	6.39	0.69
<i>For Left Hand Threaded Rod, Add</i>	0.50	
05 05 23 00-1226 LF 1/2" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod .....	6.90	0.72
<i>For Left Hand Threaded Rod, Add</i>	0.55	
05 05 23 00-1227 LF 9/16" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod .....	9.15	0.73
<i>For Left Hand Threaded Rod, Add</i>	0.77	
05 05 23 00-1228 LF 5/8" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod .....	9.74	0.74
<i>For Left Hand Threaded Rod, Add</i>	0.83	
05 05 23 00-1229 LF 3/4" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod .....	14.83	0.76
<i>For Left Hand Threaded Rod, Add</i>	1.33	
05 05 23 00-1230 LF 7/8" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod .....	19.31	0.79
<i>For Left Hand Threaded Rod, Add</i>	1.78	
05 05 23 00-1231 LF 1" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod .....	26.00	0.89
<i>For Left Hand Threaded Rod, Add</i>	2.42	
05 05 23 00-1232 LF 1-1/8" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod .....	33.65	0.99
<i>For Left Hand Threaded Rod, Add</i>	3.17	
05 05 23 00-1233 LF 1-1/4" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod .....	40.20	1.07
<i>For Left Hand Threaded Rod, Add</i>	3.80	
05 05 23 00-1234 LF 1-3/8" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod .....	45.76	1.16
<i>For Left Hand Threaded Rod, Add</i>	4.34	
05 05 23 00-1235 LF 1-1/2" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod .....	57.75	1.21
<i>For Left Hand Threaded Rod, Add</i>	5.53	
05 05 23 00-1236 LF 1-3/4" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod .....	71.68	1.27
<i>For Left Hand Threaded Rod, Add</i>	6.92	
05 05 23 00-1237 LF 2" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod .....	104.89	1.33
<i>For Left Hand Threaded Rod, Add</i>	10.22	
<b>05 05 23 00-1238 Hot Dipped Galvanized Steel, Low Carbon Threaded Rod</b> <small>(05 05 23 00-1203)</small>		
05 05 23 00-1239 LF 3/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod .....	7.38	0.68
<i>For Left Hand Threaded Rod, Add</i>	0.61	

**05 Metals****05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1240	LF	1/2" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod	10.44	0.72
		<i>For Left Hand Threaded Rod, Add</i>	0.90	
05 05 23 00-1241	LF	5/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod	14.23	0.74
		<i>For Left Hand Threaded Rod, Add</i>	1.28	
05 05 23 00-1242	LF	3/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod	19.67	0.76
		<i>For Left Hand Threaded Rod, Add</i>	1.82	
05 05 23 00-1243	LF	7/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod	27.37	0.79
		<i>For Left Hand Threaded Rod, Add</i>	2.58	
05 05 23 00-1244	LF	1" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod	35.38	0.89
		<i>For Left Hand Threaded Rod, Add</i>	3.36	
05 05 23 00-1245	LF	1-1/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod	46.65	0.99
		<i>For Left Hand Threaded Rod, Add</i>	4.47	
05 05 23 00-1246	LF	1-1/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod	61.45	1.07
		<i>For Left Hand Threaded Rod, Add</i>	5.92	
05 05 23 00-1247	LF	1-3/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod	68.74	1.16
		<i>For Left Hand Threaded Rod, Add</i>	6.64	
05 05 23 00-1248	LF	1-1/2" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod	81.91	1.21
		<i>For Left Hand Threaded Rod, Add</i>	7.95	
05 05 23 00-1249	LF	1-3/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod	99.62	1.27
		<i>For Left Hand Threaded Rod, Add</i>	9.71	
05 05 23 00-1250	LF	2" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod	174.38	1.33
		<i>For Left Hand Threaded Rod, Add</i>	17.17	
<b>05 05 23 00-1251</b>		<b>304/18-8 Stainless Steel Threaded Rod</b> <small>(05 05 23 00-1203)</small>		
05 05 23 00-1252	LF	1/4" Diameter, 304/18-8 Stainless Steel Threaded Rod	4.16	0.53
		<i>For Left Hand Threaded Rod, Add</i>	0.31	
05 05 23 00-1253	LF	5/16" Diameter, 304/18-8 Stainless Steel Threaded Rod	6.46	0.58
		<i>For Left Hand Threaded Rod, Add</i>	0.53	
05 05 23 00-1254	LF	3/8" Diameter, 304/18-8 Stainless Steel Threaded Rod	8.39	0.68
		<i>For Left Hand Threaded Rod, Add</i>	0.71	
05 05 23 00-1255	LF	7/16" Diameter, 304/18-8 Stainless Steel Threaded Rod	11.87	0.69
		<i>For Left Hand Threaded Rod, Add</i>	1.05	
05 05 23 00-1256	LF	1/2" Diameter, 304/18-8 Stainless Steel Threaded Rod	14.34	0.72
		<i>For Left Hand Threaded Rod, Add</i>	1.29	
05 05 23 00-1257	LF	9/16" Diameter, 304/18-8 Stainless Steel Threaded Rod	20.90	0.73
		<i>For Left Hand Threaded Rod, Add</i>	1.95	
05 05 23 00-1258	LF	5/8" Diameter, 304/18-8 Stainless Steel Threaded Rod	21.85	0.74
		<i>For Left Hand Threaded Rod, Add</i>	2.04	
05 05 23 00-1259	LF	3/4" Diameter, 304/18-8 Stainless Steel Threaded Rod	30.84	0.76
		<i>For Left Hand Threaded Rod, Add</i>	2.93	
05 05 23 00-1260	LF	7/8" Diameter, 304/18-8 Stainless Steel Threaded Rod	42.66	0.79
		<i>For Left Hand Threaded Rod, Add</i>	4.11	
05 05 23 00-1261	LF	1" Diameter, 304/18-8 Stainless Steel Threaded Rod	54.83	0.89
		<i>For Left Hand Threaded Rod, Add</i>	5.31	
05 05 23 00-1262	LF	1-1/4" Diameter, 304/18-8 Stainless Steel Threaded Rod	116.79	1.07
		<i>For Left Hand Threaded Rod, Add</i>	11.46	
05 05 23 00-1263	LF	1-1/2" Diameter, 304/18-8 Stainless Steel Threaded Rod	178.27	1.21
		<i>For Left Hand Threaded Rod, Add</i>	17.59	
05 05 23 00-1264	LF	1-3/4" Diameter, 304/18-8 Stainless Steel Threaded Rod	183.35	1.27
		<i>For Left Hand Threaded Rod, Add</i>	18.08	
05 05 23 00-1265	LF	2" Diameter, 304/18-8 Stainless Steel Threaded Rod	254.10	1.33
		<i>For Left Hand Threaded Rod, Add</i>	25.14	
<b>05 05 23 00-1266</b>		<b>316 Stainless Steel Threaded Rod</b> <small>(05 05 23 00-1203)</small>		
05 05 23 00-1267	LF	1/4" Diameter, 316 Stainless Steel Threaded Rod	6.25	0.53
		<i>For Left Hand Threaded Rod, Add</i>	0.52	
05 05 23 00-1268	LF	5/16" Diameter, 316 Stainless Steel Threaded Rod	10.31	0.58
		<i>For Left Hand Threaded Rod, Add</i>	0.91	
05 05 23 00-1269	LF	3/8" Diameter, 316 Stainless Steel Threaded Rod	13.79	0.68
		<i>For Left Hand Threaded Rod, Add</i>	1.25	
05 05 23 00-1270	LF	7/16" Diameter, 316 Stainless Steel Threaded Rod	21.85	0.69
		<i>For Left Hand Threaded Rod, Add</i>	2.05	
05 05 23 00-1271	LF	1/2" Diameter, 316 Stainless Steel Threaded Rod	23.19	0.72
		<i>For Left Hand Threaded Rod, Add</i>	2.18	
05 05 23 00-1272	LF	9/16" Diameter, 316 Stainless Steel Threaded Rod	30.63	0.73
		<i>For Left Hand Threaded Rod, Add</i>	2.92	
05 05 23 00-1273	LF	5/8" Diameter, 316 Stainless Steel Threaded Rod	33.01	0.74
		<i>For Left Hand Threaded Rod, Add</i>	3.15	
05 05 23 00-1274	LF	3/4" Diameter, 316 Stainless Steel Threaded Rod	48.41	0.76
		<i>For Left Hand Threaded Rod, Add</i>	4.69	
05 05 23 00-1275	LF	7/8" Diameter, 316 Stainless Steel Threaded Rod	66.51	0.79
		<i>For Left Hand Threaded Rod, Add</i>	6.50	
05 05 23 00-1276	LF	1" Diameter, 316 Stainless Steel Threaded Rod	84.26	0.89
		<i>For Left Hand Threaded Rod, Add</i>	8.25	
05 05 23 00-1277	LF	1-1/4" Diameter, 316 Stainless Steel Threaded Rod	178.59	1.07
		<i>For Left Hand Threaded Rod, Add</i>	17.64	
05 05 23 00-1278	LF	1-1/2" Diameter, 316 Stainless Steel Threaded Rod	234.32	1.21
		<i>For Left Hand Threaded Rod, Add</i>	23.19	
<b>05 05 23 00-1279</b>		<b>Plain Finish Steel, B-7 Alloy Threaded Rod</b> <small>(05 05 23 00-1203)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1280 LF 1/4" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod .....	4.64	0.53
For Zinc Plating, Add	1.79	
05 05 23 00-1281 LF 5/16" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod .....	7.28	0.58
For Zinc Plating, Add	3.06	
05 05 23 00-1282 LF 3/8" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod .....	7.59	0.68
For Zinc Plating, Add	3.13	
05 05 23 00-1283 LF 7/16" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod .....	8.31	0.69
For Zinc Plating, Add	3.47	
05 05 23 00-1284 LF 1/2" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod .....	9.18	0.72
For Zinc Plating, Add	3.89	
05 05 23 00-1285 LF 9/16" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod .....	11.57	0.73
For Zinc Plating, Add	5.07	
05 05 23 00-1286 LF 5/8" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod .....	11.95	0.74
For Zinc Plating, Add	5.24	
05 05 23 00-1287 LF 3/4" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod .....	16.01	0.76
For Zinc Plating, Add	7.25	
05 05 23 00-1288 LF 7/8" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod .....	19.26	0.79
For Zinc Plating, Add	8.85	
05 05 23 00-1289 LF 1" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod .....	25.07	0.89
For Zinc Plating, Add	11.65	
05 05 23 00-1290 LF 1-1/8" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod .....	32.72	0.99
For Zinc Plating, Add	15.38	
05 05 23 00-1291 LF 1-1/4" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod .....	36.42	1.07
For Zinc Plating, Add	17.10	
05 05 23 00-1292 LF 1-3/8" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod .....	42.11	1.16
For Zinc Plating, Add	19.90	
05 05 23 00-1293 LF 1-1/2" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod .....	51.33	1.21
For Zinc Plating, Add	24.46	
05 05 23 00-1294 LF 1-3/4" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod .....	53.05	1.27
For Zinc Plating, Add	25.26	
05 05 23 00-1295 LF 2" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod .....	71.44	1.33
For Zinc Plating, Add	34.39	
05 05 23 00-1296 Nuts And Washers (05 05 23)		
05 05 23 00-1297 Hex Nuts (05 05 23 00-1296)		
05 05 23 00-1298 Zinc Plated Steel, Low Carbon/Grade 2 Hex Nuts (05 05 23 00-1297)		
05 05 23 00-1299 EA 1/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut .....	0.66	0.29
05 05 23 00-1300 EA 5/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut .....	0.74	0.29
05 05 23 00-1301 EA 3/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut .....	0.78	0.29
05 05 23 00-1302 EA 7/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut .....	0.93	0.29
05 05 23 00-1303 EA 1/2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut .....	1.01	0.29
05 05 23 00-1304 EA 9/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut .....	1.37	0.29
05 05 23 00-1305 EA 5/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut .....	1.42	0.29
05 05 23 00-1306 EA 3/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut .....	1.69	0.58
05 05 23 00-1307 EA 7/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut .....	2.54	0.58
05 05 23 00-1308 EA 1" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut .....	3.24	0.58
05 05 23 00-1309 EA 1-1/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut .....	5.38	0.58
05 05 23 00-1310 EA 1-1/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut .....	6.60	0.58
05 05 23 00-1311 EA 1-3/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut .....	9.79	0.58
05 05 23 00-1312 EA 1-1/2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut .....	11.36	0.87
05 05 23 00-1313 EA 1-3/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut .....	16.77	0.87
05 05 23 00-1314 EA 2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut .....	24.32	0.87
05 05 23 00-1315 Zinc Plated Steel, Grade 5 Hex Nuts (05 05 23 00-1297)		
05 05 23 00-1316 EA 1/4" Diameter, Zinc Plated Steel, Grade 5 Hex Nut .....	0.68	0.29
05 05 23 00-1317 EA 5/16" Diameter, Zinc Plated Steel, Grade 5 Hex Nut .....	0.75	0.29
05 05 23 00-1318 EA 3/8" Diameter, Zinc Plated Steel, Grade 5 Hex Nut .....	0.81	0.29
05 05 23 00-1319 EA 7/16" Diameter, Zinc Plated Steel, Grade 5 Hex Nut .....	0.97	0.29
05 05 23 00-1320 EA 1/2" Diameter, Zinc Plated Steel, Grade 5 Hex Nut .....	1.15	0.29
05 05 23 00-1321 EA 9/16" Diameter, Zinc Plated Steel, Grade 5 Hex Nut .....	1.41	0.29
05 05 23 00-1322 EA 5/8" Diameter, Zinc Plated Steel, Grade 5 Hex Nut .....	1.45	0.29
05 05 23 00-1323 EA 3/4" Diameter, Zinc Plated Steel, Grade 5 Hex Nut .....	1.93	0.58
05 05 23 00-1324 EA 7/8" Diameter, Zinc Plated Steel, Grade 5 Hex Nut .....	2.78	0.58
05 05 23 00-1325 EA 1" Diameter, Zinc Plated Steel, Grade 5 Hex Nut .....	3.96	0.58
05 05 23 00-1326 EA 1-1/8" Diameter, Zinc Plated Steel, Grade 5 Hex Nut .....	6.10	0.58
05 05 23 00-1327 EA 1-1/4" Diameter, Zinc Plated Steel, Grade 5 Hex Nut .....	8.67	0.58
05 05 23 00-1328 EA 1-3/8" Diameter, Zinc Plated Steel, Grade 5 Hex Nut .....	12.81	0.58
05 05 23 00-1329 EA 1-1/2" Diameter, Zinc Plated Steel, Grade 5 Hex Nut .....	14.17	0.87
05 05 23 00-1330 EA 1-3/4" Diameter, Zinc Plated Steel, Grade 5 Hex Nut .....	25.73	0.87
05 05 23 00-1331 EA 2" Diameter, Zinc Plated Steel, Grade 5 Hex Nut .....	36.97	0.87
05 05 23 00-1332 Zinc Plated Steel, Grade 8 Hex Nuts (05 05 23 00-1297)		
05 05 23 00-1333 EA 1/4" Diameter, Zinc Plated Steel, Grade 8 Hex Nut .....	0.70	0.29
05 05 23 00-1334 EA 5/16" Diameter, Zinc Plated Steel, Grade 8 Hex Nut .....	0.81	0.29
05 05 23 00-1335 EA 3/8" Diameter, Zinc Plated Steel, Grade 8 Hex Nut .....	0.87	0.29
05 05 23 00-1336 EA 7/16" Diameter, Zinc Plated Steel, Grade 8 Hex Nut .....	1.12	0.29
05 05 23 00-1337 EA 1/2" Diameter, Zinc Plated Steel, Grade 8 Hex Nut .....	1.36	0.29

**05 Metals****05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1338 EA 9/16" Diameter, Zinc Plated Steel, Grade 8 Hex Nut .....	1.65	0.29
05 05 23 00-1339 EA 5/8" Diameter, Zinc Plated Steel, Grade 8 Hex Nut .....	1.89	0.29
05 05 23 00-1340 EA 3/4" Diameter, Zinc Plated Steel, Grade 8 Hex Nut .....	2.37	0.58
05 05 23 00-1341 EA 7/8" Diameter, Zinc Plated Steel, Grade 8 Hex Nut .....	3.62	0.58
05 05 23 00-1342 EA 1" Diameter, Zinc Plated Steel, Grade 8 Hex Nut .....	4.85	0.58
05 05 23 00-1343 EA 1-1/8" Diameter, Zinc Plated Steel, Grade 8 Hex Nut .....	7.66	0.58
05 05 23 00-1344 EA 1-1/4" Diameter, Zinc Plated Steel, Grade 8 Hex Nut .....	9.57	0.58
05 05 23 00-1345 EA 1-3/8" Diameter, Zinc Plated Steel, Grade 8 Hex Nut .....	15.88	0.58
05 05 23 00-1346 EA 1-1/2" Diameter, Zinc Plated Steel, Grade 8 Hex Nut .....	16.86	0.87
05 05 23 00-1347 EA 1-3/4" Diameter, Zinc Plated Steel, Grade 8 Hex Nut .....	25.80	0.87
05 05 23 00-1348 EA 2" Diameter, Zinc Plated Steel, Grade 8 Hex Nut .....	36.56	0.87
<b>05 05 23 00-1349 Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nuts (05 05 23 00-1297)</b>		
05 05 23 00-1350 EA 1/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut .....	0.70	0.29
05 05 23 00-1351 EA 5/16" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut .....	0.79	0.29
05 05 23 00-1352 EA 3/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut .....	0.85	0.29
05 05 23 00-1353 EA 7/16" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut .....	1.10	0.29
05 05 23 00-1354 EA 1/2" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut .....	1.27	0.29
05 05 23 00-1355 EA 9/16" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut .....	1.43	0.29
05 05 23 00-1356 EA 5/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut .....	1.59	0.29
05 05 23 00-1357 EA 3/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut .....	2.15	0.58
05 05 23 00-1358 EA 7/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut .....	3.18	0.58
05 05 23 00-1359 EA 1" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut .....	4.42	0.58
05 05 23 00-1360 EA 1-1/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut .....	7.40	0.58
05 05 23 00-1361 EA 1-1/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut .....	9.51	0.58
05 05 23 00-1362 EA 1-3/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut .....	14.20	0.58
05 05 23 00-1363 EA 1-1/2" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut .....	16.60	0.87
05 05 23 00-1364 EA 1-3/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut .....	29.08	0.87
05 05 23 00-1365 EA 2" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut .....	50.46	0.87
<b>05 05 23 00-1366 304 Stainless Steel Hex Nuts (05 05 23 00-1297)</b>		
05 05 23 00-1367 EA 1/4" Diameter, 304 Stainless Steel Hex Nut .....	0.83	0.29
05 05 23 00-1368 EA 5/16" Diameter, 304 Stainless Steel Hex Nut .....	1.00	0.29
05 05 23 00-1369 EA 3/8" Diameter, 304 Stainless Steel Hex Nut .....	1.14	0.29
05 05 23 00-1370 EA 7/16" Diameter, 304 Stainless Steel Hex Nut .....	1.82	0.29
05 05 23 00-1371 EA 1/2" Diameter, 304 Stainless Steel Hex Nut .....	1.97	0.29
05 05 23 00-1372 EA 9/16" Diameter, 304 Stainless Steel Hex Nut .....	3.14	0.29
05 05 23 00-1373 EA 5/8" Diameter, 304 Stainless Steel Hex Nut .....	3.53	0.29
05 05 23 00-1374 EA 3/4" Diameter, 304 Stainless Steel Hex Nut .....	4.08	0.58
05 05 23 00-1375 EA 7/8" Diameter, 304 Stainless Steel Hex Nut .....	6.88	0.58
05 05 23 00-1376 EA 1" Diameter, 304 Stainless Steel Hex Nut .....	10.66	0.58
05 05 23 00-1377 EA 1-1/4" Diameter, 304 Stainless Steel Hex Nut .....	26.04	0.58
05 05 23 00-1378 EA 1-1/2" Diameter, 304 Stainless Steel Hex Nut .....	50.42	0.87
05 05 23 00-1379 EA 1-3/4" Diameter, 304 Stainless Steel Hex Nut .....	89.03	0.87
05 05 23 00-1380 EA 2" Diameter, 304 Stainless Steel Hex Nut .....	127.09	0.87
<b>05 05 23 00-1381 316 Stainless Steel Hex Nuts (05 05 23 00-1297)</b>		
05 05 23 00-1382 EA 1/4" Diameter, 316 Stainless Steel Hex Nut .....	1.00	0.29
05 05 23 00-1383 EA 5/16" Diameter, 316 Stainless Steel Hex Nut .....	1.16	0.29
05 05 23 00-1384 EA 3/8" Diameter, 316 Stainless Steel Hex Nut .....	1.41	0.29
05 05 23 00-1385 EA 7/16" Diameter, 316 Stainless Steel Hex Nut .....	2.47	0.29
05 05 23 00-1386 EA 1/2" Diameter, 316 Stainless Steel Hex Nut .....	2.65	0.29
05 05 23 00-1387 EA 9/16" Diameter, 316 Stainless Steel Hex Nut .....	3.71	0.29
05 05 23 00-1388 EA 5/8" Diameter, 316 Stainless Steel Hex Nut .....	4.22	0.29
05 05 23 00-1389 EA 3/4" Diameter, 316 Stainless Steel Hex Nut .....	5.98	0.58
05 05 23 00-1390 EA 7/8" Diameter, 316 Stainless Steel Hex Nut .....	8.44	0.58
05 05 23 00-1391 EA 1" Diameter, 316 Stainless Steel Hex Nut .....	13.14	0.58
05 05 23 00-1392 EA 1-1/4" Diameter, 316 Stainless Steel Hex Nut .....	40.64	0.58
05 05 23 00-1393 EA 1-1/2" Diameter, 316 Stainless Steel Hex Nut .....	65.99	0.87
05 05 23 00-1394 EA 1-3/4" Diameter, 316 Stainless Steel Hex Nut .....	111.70	0.87
05 05 23 00-1395 EA 2" Diameter, 316 Stainless Steel Hex Nut .....	208.11	0.87
<b>05 05 23 00-1396 Flat Washers (05 05 23 00-1296)</b>		
<b>05 05 23 00-1397 Zinc Plated Steel, Low Carbon Flat Washers (05 05 23 00-1396)</b>		
05 05 23 00-1398 EA 1/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer .....	0.05	
05 05 23 00-1399 EA 5/16" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer .....	0.09	
05 05 23 00-1400 EA 3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer .....	0.16	
05 05 23 00-1401 EA 7/16" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer .....	0.24	
05 05 23 00-1402 EA 1/2" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer .....	0.34	
05 05 23 00-1403 EA 9/16" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer .....	0.39	
05 05 23 00-1404 EA 5/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer .....	0.66	
05 05 23 00-1405 EA 3/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer .....	0.95	
05 05 23 00-1406 EA 7/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer .....	1.13	
05 05 23 00-1407 EA 1" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer .....	1.39	
05 05 23 00-1408 EA 1-1/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer .....	1.57	
05 05 23 00-1409 EA 1-1/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer .....	1.88	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1410 EA 1-3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	2.95	
05 05 23 00-1411 EA 1-1/2" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	3.02	
05 05 23 00-1412 EA 1-3/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	4.47	
05 05 23 00-1413 EA 2" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	5.56	
<b>05 05 23 00-1414 Zinc Plated Steel, Hardened Flat Washers</b> (05 05 23 00-1396)		
05 05 23 00-1415 EA 1/4" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	0.20	
05 05 23 00-1416 EA 5/16" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	0.28	
05 05 23 00-1417 EA 3/8" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	0.32	
05 05 23 00-1418 EA 7/16" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	0.44	
05 05 23 00-1419 EA 1/2" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	0.59	
05 05 23 00-1420 EA 9/16" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	0.95	
05 05 23 00-1421 EA 5/8" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	1.36	
05 05 23 00-1422 EA 3/4" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	1.92	
05 05 23 00-1423 EA 7/8" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	3.21	
05 05 23 00-1424 EA 1" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	3.56	
05 05 23 00-1425 EA 1-1/8" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	5.17	
05 05 23 00-1426 EA 1-1/4" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	5.65	
05 05 23 00-1427 EA 1-3/8" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	7.45	
05 05 23 00-1428 EA 1-1/2" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	8.52	
05 05 23 00-1429 EA 1-3/4" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	11.45	
05 05 23 00-1430 EA 2" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	13.74	
<b>05 05 23 00-1431 Hot Dipped Galvanized Steel Flat Washers</b> (05 05 23 00-1396)		
05 05 23 00-1432 EA 1/4" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	0.13	
05 05 23 00-1433 EA 5/16" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	0.19	
05 05 23 00-1434 EA 3/8" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	0.21	
05 05 23 00-1435 EA 7/16" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	0.40	
05 05 23 00-1436 EA 1/2" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	0.51	
05 05 23 00-1437 EA 9/16" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	0.84	
05 05 23 00-1438 EA 5/8" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	0.94	
05 05 23 00-1439 EA 3/4" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	1.42	
05 05 23 00-1440 EA 7/8" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	2.00	
05 05 23 00-1441 EA 1" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	2.20	
05 05 23 00-1442 EA 1-1/8" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	3.36	
05 05 23 00-1443 EA 1-1/4" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	3.74	
05 05 23 00-1444 EA 1-3/8" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	5.34	
05 05 23 00-1445 EA 1-1/2" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	5.79	
05 05 23 00-1446 EA 1-3/4" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	8.40	
<b>05 05 23 00-1447 304/18-8 Stainless Steel Flat Washers</b> (05 05 23 00-1396)		
05 05 23 00-1448 EA 1/4" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	0.19	
05 05 23 00-1449 EA 5/16" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	0.26	
05 05 23 00-1450 EA 3/8" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	0.36	
05 05 23 00-1451 EA 7/16" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	0.67	
05 05 23 00-1452 EA 1/2" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	1.23	
05 05 23 00-1453 EA 9/16" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	1.54	
05 05 23 00-1454 EA 5/8" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	2.25	
05 05 23 00-1455 EA 3/4" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	2.29	
05 05 23 00-1456 EA 7/8" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	4.83	
05 05 23 00-1457 EA 1" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	6.12	
05 05 23 00-1458 EA 1-1/8" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	7.13	
05 05 23 00-1459 EA 1-1/4" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	7.68	
05 05 23 00-1460 EA 1-3/8" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	8.11	
05 05 23 00-1461 EA 1-1/2" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	9.89	
05 05 23 00-1462 EA 1-3/4" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	12.29	
05 05 23 00-1463 EA 2" Inside Diameter, 304/18-8 Stainless Steel Flat Washer.....	24.15	
<b>05 05 23 00-1464 316 Stainless Steel Flat Washers</b> (05 05 23 00-1396)		
05 05 23 00-1465 EA 1/4" Inside Diameter, 316 Stainless Steel Flat Washer.....	0.38	
05 05 23 00-1466 EA 5/16" Inside Diameter, 316 Stainless Steel Flat Washer.....	0.41	
05 05 23 00-1467 EA 3/8" Inside Diameter, 316 Stainless Steel Flat Washer.....	0.73	
05 05 23 00-1468 EA 7/16" Inside Diameter, 316 Stainless Steel Flat Washer.....	0.86	
05 05 23 00-1469 EA 1/2" Inside Diameter, 316 Stainless Steel Flat Washer.....	1.60	
05 05 23 00-1470 EA 9/16" Inside Diameter, 316 Stainless Steel Flat Washer.....	2.87	
05 05 23 00-1471 EA 5/8" Inside Diameter, 316 Stainless Steel Flat Washer.....	3.38	
05 05 23 00-1472 EA 3/4" Inside Diameter, 316 Stainless Steel Flat Washer.....	4.26	
05 05 23 00-1473 EA 7/8" Inside Diameter, 316 Stainless Steel Flat Washer.....	6.60	
05 05 23 00-1474 EA 1" Inside Diameter, 316 Stainless Steel Flat Washer.....	7.37	
05 05 23 00-1475 EA 1-1/8" Inside Diameter, 316 Stainless Steel Flat Washer.....	8.40	
05 05 23 00-1476 EA 1-1/4" Inside Diameter, 316 Stainless Steel Flat Washer.....	10.34	
05 05 23 00-1477 EA 1-3/8" Inside Diameter, 316 Stainless Steel Flat Washer.....	10.94	
05 05 23 00-1478 EA 1-1/2" Inside Diameter, 316 Stainless Steel Flat Washer.....	11.18	
05 05 23 00-1479 EA 1-3/4" Inside Diameter, 316 Stainless Steel Flat Washer.....	16.39	

**05 Metals****05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

05 05 23 00-1480	Lock Washers <small>(05 05 23 00-1296)</small>		
05 05 23 00-1481	Zinc Plated Steel, Low Carbon Lock Washers <small>(05 05 23 00-1480)</small>		
05 05 23 00-1482	EA 1/4" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.02	
05 05 23 00-1483	EA 5/16" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.04	
05 05 23 00-1484	EA 3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.06	
05 05 23 00-1485	EA 7/16" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.10	
05 05 23 00-1486	EA 1/2" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.13	
05 05 23 00-1487	EA 9/16" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.22	
05 05 23 00-1488	EA 5/8" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.25	
05 05 23 00-1489	EA 3/4" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.38	
05 05 23 00-1490	EA 7/8" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.63	
05 05 23 00-1491	EA 1" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	1.14	
05 05 23 00-1492	EA 1-1/8" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	1.66	
05 05 23 00-1493	EA 1-1/4" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	2.55	
05 05 23 00-1494	EA 1-3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	4.03	
05 05 23 00-1495	EA 1-1/2" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	4.75	
05 05 23 00-1496	EA 1-3/4" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	8.47	
05 05 23 00-1497	EA 2" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	9.54	
05 05 23 00-1498	Hot Dipped Galvanized Steel Lock Washers <small>(05 05 23 00-1480)</small>		
05 05 23 00-1499	EA 1/4" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.10	
05 05 23 00-1500	EA 5/16" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.12	
05 05 23 00-1501	EA 3/8" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.16	
05 05 23 00-1502	EA 7/16" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.18	
05 05 23 00-1503	EA 1/2" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.28	
05 05 23 00-1504	EA 9/16" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.37	
05 05 23 00-1505	EA 5/8" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.44	
05 05 23 00-1506	EA 3/4" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.73	
05 05 23 00-1507	EA 7/8" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	1.05	
05 05 23 00-1508	EA 1" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	1.66	
05 05 23 00-1509	EA 1-1/8" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	3.01	
05 05 23 00-1510	EA 1-1/4" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	3.59	
05 05 23 00-1511	EA 1-3/8" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	5.17	
05 05 23 00-1512	EA 1-1/2" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	5.92	
05 05 23 00-1513	EA 1-3/4" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	8.01	
05 05 23 00-1514	EA 2" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	10.91	
05 05 23 00-1515	304/18-8 Stainless Steel Lock Washers <small>(05 05 23 00-1480)</small>		
05 05 23 00-1516	EA 1/4" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	0.16	
05 05 23 00-1517	EA 5/16" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	0.22	
05 05 23 00-1518	EA 3/8" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	0.32	
05 05 23 00-1519	EA 7/16" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	0.59	
05 05 23 00-1520	EA 1/2" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	0.65	
05 05 23 00-1521	EA 9/16" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	1.58	
05 05 23 00-1522	EA 5/8" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	1.86	
05 05 23 00-1523	EA 3/4" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	2.17	
05 05 23 00-1524	EA 7/8" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	3.93	
05 05 23 00-1525	EA 1" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	5.55	
05 05 23 00-1526	EA 1-1/8" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	9.69	
05 05 23 00-1527	EA 1-1/4" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	12.88	
05 05 23 00-1528	EA 1-3/8" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	16.39	
05 05 23 00-1529	EA 1-1/2" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	19.66	
05 05 23 00-1530	316 Stainless Steel Lock Washers <small>(05 05 23 00-1480)</small>		
05 05 23 00-1531	EA 1/4" Inside Diameter, 316 Stainless Steel Lock Washer	0.20	
05 05 23 00-1532	EA 5/16" Inside Diameter, 316 Stainless Steel Lock Washer	0.43	
05 05 23 00-1533	EA 3/8" Inside Diameter, 316 Stainless Steel Lock Washer	0.50	
05 05 23 00-1534	EA 7/16" Inside Diameter, 316 Stainless Steel Lock Washer	0.85	
05 05 23 00-1535	EA 1/2" Inside Diameter, 316 Stainless Steel Lock Washer	0.94	
05 05 23 00-1536	EA 9/16" Inside Diameter, 316 Stainless Steel Lock Washer	1.69	
05 05 23 00-1537	EA 5/8" Inside Diameter, 316 Stainless Steel Lock Washer	1.85	
05 05 23 00-1538	EA 3/4" Inside Diameter, 316 Stainless Steel Lock Washer	3.20	
05 05 23 00-1539	EA 7/8" Inside Diameter, 316 Stainless Steel Lock Washer	5.28	
05 05 23 00-1540	EA 1" Inside Diameter, 316 Stainless Steel Lock Washer	7.19	
05 05 23 00-1541	EA 1-1/8" Inside Diameter, 316 Stainless Steel Lock Washer	10.04	
05 05 23 00-1542	EA 1-1/4" Inside Diameter, 316 Stainless Steel Lock Washer	15.44	
05 05 23 00-1543	EA 1-3/8" Inside Diameter, 316 Stainless Steel Lock Washer	27.65	
05 05 23 00-1544	EA 1-1/2" Inside Diameter, 316 Stainless Steel Lock Washer	30.70	
05 05 23 00-1545	Load Indicating Washers <small>(05 05 23 00-1296)</small>		
05 05 23 00-1546	A325, Direct Tension Indicator, Load Indicating Washers (ASTM F959) <small>(05 05 23 00-1545)</small>		
05 05 23 00-1547	Plain Finish, A325, Direct Tension Indicator, Load Indicating Washers (ASTM F959) <small>(05 05 23 00-1546)</small>		



			DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1548	EA		1/2", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959).....	2.76	
05 05 23 00-1549	EA		5/8", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959).....	3.13	
05 05 23 00-1550	EA		3/4", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959).....	3.37	
05 05 23 00-1551	EA		7/8", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959).....	3.83	
05 05 23 00-1552	EA		1", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959).....	4.62	
05 05 23 00-1553	EA		1-1/8", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959).....	7.69	
05 05 23 00-1554	EA		1-1/4", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959).....	9.94	
05 05 23 00-1555	EA		1-3/8", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959).....	12.68	
05 05 23 00-1556	EA		1-1/2", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959).....	13.95	
05 05 23 00-1557			<b>Galvanized, A325, Direct Tension Indicator, Load Indicating Washers (ASTM F959)</b> <small>(05 05 23 00-1546)</small>		
05 05 23 00-1558	EA		1/2", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959).....	3.50	
05 05 23 00-1559	EA		5/8", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959).....	3.89	
05 05 23 00-1560	EA		3/4", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959).....	3.79	
05 05 23 00-1561	EA		7/8", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959).....	4.62	
05 05 23 00-1562	EA		1", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959).....	5.48	
05 05 23 00-1563	EA		1-1/8", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959).....	8.26	
05 05 23 00-1564	EA		1-1/4", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959).....	10.39	
05 05 23 00-1565	EA		1-3/8", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959).....	14.79	
05 05 23 00-1566	EA		1-1/2", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959).....	16.27	
05 05 23 00-1567			<b>Beveled Washers</b> <small>(05 05 23 00-1296)</small>		
05 05 23 00-1568			<b>Plain Finish, Square Beveled Structural Washers (ASTM F436)</b> <small>(05 05 23 00-1567)</small>		
05 05 23 00-1569	EA		1/2", Plain Finish, Square Beveled Structural Washer (ASTM F436).....	4.56	
05 05 23 00-1570	EA		5/8", Plain Finish, Square Beveled Structural Washer (ASTM F436).....	4.66	
05 05 23 00-1571	EA		3/4", Plain Finish, Square Beveled Structural Washer (ASTM F436).....	4.76	
05 05 23 00-1572	EA		7/8", Plain Finish, Square Beveled Structural Washer (ASTM F436).....	5.79	
05 05 23 00-1573	EA		1", Plain Finish, Square Beveled Structural Washer (ASTM F436).....	6.09	
05 05 23 00-1574			<b>Galvanized, Square Beveled Structural Washers (ASTM F436)</b> <small>(05 05 23 00-1567)</small>		
05 05 23 00-1575	EA		1/2", Galvanized, Square Beveled Structural Washer (ASTM F436).....	6.56	
05 05 23 00-1576	EA		5/8", Galvanized, Square Beveled Structural Washer (ASTM F436).....	6.85	
05 05 23 00-1577	EA		3/4", Galvanized, Square Beveled Structural Washer (ASTM F436).....	6.85	
05 05 23 00-1578	EA		7/8", Galvanized, Square Beveled Structural Washer (ASTM F436).....	7.25	
05 05 23 00-1579	EA		1", Galvanized, Square Beveled Structural Washer (ASTM F436).....	7.71	
05 05 23 00-1580			<b>Welded Stud Anchors</b> <small>(05 05 23)</small>		
05 05 23 00-1581	EA		1-1/8" Long x 1/4" Diameter, Welded Stud Concrete Anchors.....	4.47	
05 05 23 00-1582	EA		2-11/16" Long x 1/4" Diameter, Welded Stud Concrete Anchors.....	4.57	
05 05 23 00-1583	EA		3-1/8" Long x 1/4" Diameter, Welded Stud Concrete Anchors.....	4.61	
05 05 23 00-1584	EA		4-1/8" Long x 1/4" Diameter, Welded Stud Concrete Anchors.....	4.65	
05 05 23 00-1585	EA		1-3/8" Long x 3/8" Diameter, Welded Stud Concrete Anchors.....	4.37	
05 05 23 00-1586	EA		1-5/8" Long x 3/8" Diameter, Welded Stud Concrete Anchors.....	4.62	
05 05 23 00-1587	EA		2-1/8" Long x 3/8" Diameter, Welded Stud Concrete Anchors.....	4.87	
05 05 23 00-1588	EA		2-5/8" Long x 3/8" Diameter, Welded Stud Concrete Anchors.....	5.00	
05 05 23 00-1589	EA		3-1/8" Long x 3/8" Diameter, Welded Stud Concrete Anchors.....	5.14	
05 05 23 00-1590	EA		4-1/8" Long x 3/8" Diameter, Welded Stud Concrete Anchors.....	5.66	
05 05 23 00-1591	EA		5-1/8" Long x 3/8" Diameter, Welded Stud Concrete Anchors.....	6.08	
05 05 23 00-1592	EA		6-1/8" Long x 3/8" Diameter, Welded Stud Concrete Anchors.....	6.42	
05 05 23 00-1593	EA		1-1/2" Long x 1/2" Diameter, Welded Stud Concrete Anchors.....	5.39	
05 05 23 00-1594	EA		1-5/8" Long x 1/2" Diameter, Welded Stud Concrete Anchors.....	5.42	
05 05 23 00-1595	EA		2-1/8" Long x 1/2" Diameter, Welded Stud Concrete Anchors.....	5.81	
05 05 23 00-1596	EA		2-5/8" Long x 1/2" Diameter, Welded Stud Concrete Anchors.....	6.18	
05 05 23 00-1597	EA		3-1/8" Long x 1/2" Diameter, Welded Stud Concrete Anchors.....	6.63	
05 05 23 00-1598	EA		4-1/8" Long x 1/2" Diameter, Welded Stud Concrete Anchors.....	7.34	
05 05 23 00-1599	EA		5-5/16" Long x 1/2" Diameter, Welded Stud Concrete Anchors.....	7.79	
05 05 23 00-1600	EA		6-1/8" Long x 1/2" Diameter, Welded Stud Concrete Anchors.....	9.04	
05 05 23 00-1601	EA		8-1/8" Long x 1/2" Diameter, Welded Stud Concrete Anchors.....	11.39	
05 05 23 00-1602	EA		2-11/16" Long x 5/8" Diameter, Welded Stud Concrete Anchors.....	7.78	
05 05 23 00-1603	EA		3-3/16" Long x 5/8" Diameter, Welded Stud Concrete Anchors.....	8.37	
05 05 23 00-1604	EA		3-11/16" Long x 5/8" Diameter, Welded Stud Concrete Anchors.....	8.85	
05 05 23 00-1605	EA		4-3/16" Long x 5/8" Diameter, Welded Stud Concrete Anchors.....	9.33	
05 05 23 00-1606	EA		4-11/16" Long x 5/8" Diameter, Welded Stud Concrete Anchors.....	9.73	
05 05 23 00-1607	EA		5-3/16" Long x 5/8" Diameter, Welded Stud Concrete Anchors.....	10.10	
05 05 23 00-1608	EA		6-3/16" Long x 5/8" Diameter, Welded Stud Concrete Anchors.....	10.58	
05 05 23 00-1609	EA		6-9/16" Long x 5/8" Diameter, Welded Stud Concrete Anchors.....	12.59	
05 05 23 00-1610	EA		8-3/16" Long x 5/8" Diameter, Welded Stud Concrete Anchors.....	15.37	
05 05 23 00-1611			<b>Welded Shear Stud Connector</b> <small>(05 05 23)</small>		
05 05 23 00-1612			<b>3/4" Diameter Welded Shear Stud Connector</b> <small>(05 05 23 00-1611)</small>		
05 05 23 00-1613	EA		3/4" Diameter x 3-3/16" Long, Welded Shear Stud Connector.....	10.02	
05 05 23 00-1614	EA		3/4" Diameter x 3-3/8" Long, Welded Shear Stud Connector.....	10.44	

**05 Metals****05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1615 EA 3/4" Diameter x 3-7/8" Long, Welded Shear Stud Connector .....	10.56	
05 05 23 00-1616 EA 3/4" Diameter x 4-3/16" Long, Welded Shear Stud Connector .....	10.61	
05 05 23 00-1617 EA 3/4" Diameter x 4-3/8" Long, Welded Shear Stud Connector .....	11.10	
05 05 23 00-1618 EA 3/4" Diameter x 4-11/16" Long, Welded Shear Stud Connector .....	11.97	
05 05 23 00-1619 EA 3/4" Diameter x 4-7/8" Long, Welded Shear Stud Connector .....	20.50	
05 05 23 00-1620 EA 3/4" Diameter x 5-3/16" Long, Welded Shear Stud Connector .....	12.99	
05 05 23 00-1621 EA 3/4" Diameter x 5-3/8" Long, Welded Shear Stud Connector .....	14.55	
05 05 23 00-1622 EA 3/4" Diameter x 6-3/16" Long, Welded Shear Stud Connector .....	18.79	
05 05 23 00-1623 EA 3/4" Diameter x 7-3/16" Long, Welded Shear Stud Connector .....	19.27	
05 05 23 00-1624 EA 3/4" Diameter x 8-3/16" Long, Welded Shear Stud Connector .....	20.97	
05 05 23 00-1625 EA 3/4" Diameter x 10-3/16" Long, Welded Shear Stud Connector .....	28.11	
<b>05 05 23 00-1626 7/8" Diameter Welded Shear Stud Connector (05 05 23 00-1611)</b>		
05 05 23 00-1627 EA 7/8" Diameter x 3-3/16" Long, Welded Shear Stud Connector .....	12.14	
05 05 23 00-1628 EA 7/8" Diameter x 3-11/16" Long, Welded Shear Stud Connector .....	12.82	
05 05 23 00-1629 EA 7/8" Diameter x 4-3/16" Long, Welded Shear Stud Connector .....	13.50	
05 05 23 00-1630 EA 7/8" Diameter x 5-3/16" Long, Welded Shear Stud Connector .....	15.46	
05 05 23 00-1631 EA 7/8" Diameter x 6-3/16" Long, Welded Shear Stud Connector .....	19.84	
05 05 23 00-1632 EA 7/8" Diameter x 7-3/16" Long, Welded Shear Stud Connector .....	21.90	
05 05 23 00-1633 EA 7/8" Diameter x 8-3/16" Long, Welded Shear Stud Connector .....	23.94	
05 05 23 00-1634 EA 7/8" Diameter x 10-3/16" Long, Welded Shear Stud Connector .....	29.66	
<b>05 05 23 00-1635 1" Diameter Welded Shear Stud Connector (05 05 23 00-1611)</b>		
05 05 23 00-1636 EA 1" Diameter x 3-1/4" Long, Welded Shear Stud Connector .....	16.59	
05 05 23 00-1637 EA 1" Diameter x 4-1/4" Long, Welded Shear Stud Connector .....	18.69	
05 05 23 00-1638 EA 1" Diameter x 5-1/4" Long, Welded Shear Stud Connector .....	21.77	
05 05 23 00-1639 EA 1" Diameter x 6-1/4" Long, Welded Shear Stud Connector .....	27.57	
05 05 23 00-1640 EA 1" Diameter x 7-1/4" Long, Welded Shear Stud Connector .....	30.80	
05 05 23 00-1641 EA 1" Diameter x 8-1/4" Long, Welded Shear Stud Connector .....	34.03	
<b>05 10 Structural Metal Framing (05)</b>		
<b>05 12 Structural Steel Framing (05 10)</b>		
<b>05 12 23 Structural Steel for Buildings (05 12)</b>		
See CSI section 05 05 21 00-0007 for moment connection welding, 05 12 23 00-0131 for field fabrication of additional structural metal connections.		
<b>05 12 23 00-0001 Rolled Steel Members (05 12 23)</b>		
Note: Prices by Ton (or LB) are based on ASTM A992/A36 steel with bolted standard beam connections and shop primed with red primer paint. Stock cross-sections only. Includes shop fabrication into sub-assemblies and delivery to site, all connecting bolts, connecting welds, and crane for erection (or demolition). Excludes moment connection welding. See CSI section 05 05 21 00-0007 for moment connection welding, 05 12 23 00-0131 for field fabrication of additional structural metal connections.		
<b>05 12 23 00-0002 Beams, Girders And Columns (05 12 23 00-0001)</b>		
Note: For one and two story I beams and W shapes and HP shapes.		
05 12 23 00-0003 TON Up To 30 LB/LF Beams, Girders And Columns .....	11,160.23	1,282.57
<i>For ASTM A242 Type 2 High Strength Steel, Add</i>		
	680.55	
<i>For Hot Dip Galvanizing, Add</i>		
	2,381.92	
<i>For &gt;10 To 25 Tons, Deduct</i>		
	-723.08	
<i>For &gt;25 To 50 Tons, Deduct</i>		
	-1,488.70	
<i>For &gt;50 Tons, Deduct</i>		
	-2,126.72	
05 12 23 00-0004 TON >30-65 LB/LF Beams, Girders And Columns .....	7,866.12	829.09
<i>For ASTM A242 Type 2 High Strength Steel, Add</i>		
	558.53	
<i>For Hot Dip Galvanizing, Add</i>		
	1,954.87	
<i>For &gt;10 To 25 Tons, Deduct</i>		
	-593.44	
<i>For &gt;25 To 50 Tons, Deduct</i>		
	-1,221.79	
<i>For &gt;50 Tons, Deduct</i>		
	-1,745.42	
05 12 23 00-0005 TON >65-100 LB/LF Beams, Girders And Columns .....	6,695.72	466.41
<i>For ASTM A242 Type 2 High Strength Steel, Add</i>		
	495.86	
<i>For Hot Dip Galvanizing, Add</i>		
	1,735.50	
<i>For &gt;10 To 25 Tons, Deduct</i>		
	-526.85	
<i>For &gt;25 To 50 Tons, Deduct</i>		
	-1,084.69	
<i>For &gt;50 Tons, Deduct</i>		
	-1,549.55	
05 12 23 00-0006 TON >100-300 LB/LF Beams, Girders And Columns .....	4,502.54	248.26
<i>For ASTM A242 Type 2 High Strength Steel, Add</i>		
	338.98	
<i>For Hot Dip Galvanizing, Add</i>		
	1,186.42	
<i>For &gt;10 To 25 Tons, Deduct</i>		
	-360.16	
<i>For &gt;25 To 50 Tons, Deduct</i>		
	-741.51	
<i>For &gt;50 Tons, Deduct</i>		
	-1,059.30	
<b>05 12 23 00-0007 Trusses, Built-Up (05 12 23 00-0001)</b>		
05 12 23 00-0008 TON Built-Up Trusses, Rolled Structural Steel Members .....	8,347.34	872.25
<i>For ASTM A242 Type 2 High Strength Steel, Add</i>		
	593.39	
<i>For Hot Dip Galvanizing, Add</i>		
	2,076.88	
<i>For &gt;10 To 25 Tons, Deduct</i>		
	-630.48	
<i>For &gt;25 To 50 Tons, Deduct</i>		
	-1,298.05	
<i>For &gt;50 Tons, Deduct</i>		
	-1,854.36	



<b>Metals</b>	<b>05</b>	<b>05</b>
Structural Metal Framing	05 10	
Structural Steel Framing	05 12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>05 12 23 00-0009</b> <b>Shapes</b> <small>(05 12 23 00-0001)</small>		
<b>05 12 23 00-0010</b> <b>Rolled Shape Steel Angles</b> <small>(05 12 23 00-0009)</small>		
05 12 23 00-0011    TON Up To 10 LB/LF Rolled Shape Steel Angles.....	16,258.95	2,384.29
For ASTM A242 Type 2 High Strength Steel, Add	982.81	
For Hot Dip Galvanizing, Add	3,439.83	
For >10 To 25 Tons, Deduct	-1,044.24	
For >25 To 50 Tons, Deduct	-2,149.90	
For >50 Tons, Deduct	-3,071.28	
05 12 23 00-0012    TON >10 To 20 LB/LF Rolled Shape Steel Angles .....	14,405.35	1,399.24
For ASTM A242 Type 2 High Strength Steel, Add	940.16	
For Hot Dip Galvanizing, Add	3,290.56	
For >10 To 25 Tons, Deduct	-998.92	
For >25 To 50 Tons, Deduct	-2,056.60	
For >50 Tons, Deduct	-2,938.00	
05 12 23 00-0013    TON >20 To 58 LB/LF Rolled Shape Steel Angles .....	11,222.36	829.09
For ASTM A242 Type 2 High Strength Steel, Add	827.04	
For Hot Dip Galvanizing, Add	2,894.65	
For >10 To 25 Tons, Deduct	-878.73	
For >25 To 50 Tons, Deduct	-1,809.16	
For >50 Tons, Deduct	-2,584.51	
<b>05 12 23 00-0014</b> <b>Rolled C, MC Steel Channels</b> <small>(05 12 23 00-0009)</small>		
05 12 23 00-0015    TON Up To 10 LB/LF Rolled C, MC Steel Channels.....	17,566.77	3,264.87
For ASTM A242 Type 2 High Strength Steel, Add	967.97	
For Hot Dip Galvanizing, Add	3,387.91	
For >10 To 25 Tons, Deduct	-1,028.47	
For >25 To 50 Tons, Deduct	-2,117.44	
For >50 Tons, Deduct	-3,024.92	
05 12 23 00-0016    TON >10 To 20 Rolled C, MC Steel Channels .....	14,243.09	2,487.53
For ASTM A242 Type 2 High Strength Steel, Add	927.18	
For Hot Dip Galvanizing, Add	3,245.12	
For >10 To 25 Tons, Deduct	-985.13	
For >25 To 50 Tons, Deduct	-2,028.20	
For >50 Tons, Deduct	-2,897.43	
05 12 23 00-0017    TON >20 To 58 LB/LF Rolled C, MC Steel Channels .....	11,036.93	829.09
For ASTM A242 Type 2 High Strength Steel, Add	812.21	
For Hot Dip Galvanizing, Add	2,842.73	
For >10 To 25 Tons, Deduct	-862.97	
For >25 To 50 Tons, Deduct	-1,776.71	
For >50 Tons, Deduct	-2,538.15	
<b>05 12 23 00-0018</b> <b>Double L Shape Steel Angles</b> <small>(05 12 23 00-0009)</small>		
05 12 23 00-0019    TON Up To 20 LB/LF Double L Shape Steel Angles.....	15,133.05	1,891.76
For ASTM A242 Type 2 High Strength Steel, Add	945.72	
For Hot Dip Galvanizing, Add	3,310.03	
For >10 To 25 Tons, Deduct	-1,004.83	
For >25 To 50 Tons, Deduct	-2,068.77	
For >50 Tons, Deduct	-2,955.38	
05 12 23 00-0020    TON >20 To 50 LB/LF Double L Shape Steel Angles .....	12,010.46	829.09
For ASTM A242 Type 2 High Strength Steel, Add	890.09	
For Hot Dip Galvanizing, Add	3,115.32	
For >10 To 25 Tons, Deduct	-945.72	
For >25 To 50 Tons, Deduct	-1,947.07	
For >50 Tons, Deduct	-2,781.54	
05 12 23 00-0021    TON >50 To 80 LB/LF Double L Shape Steel Angles .....	9,073.91	466.41
For ASTM A242 Type 2 High Strength Steel, Add	686.11	
For Hot Dip Galvanizing, Add	2,401.39	
For >10 To 25 Tons, Deduct	-728.99	
For >25 To 50 Tons, Deduct	-1,500.87	
For >50 Tons, Deduct	-2,144.10	
05 12 23 00-0022    TON >80 To 115 LB/LF Double L Shape Steel Angles .....	5,827.99	248.63
For ASTM A242 Type 2 High Strength Steel, Add	445.05	
For Hot Dip Galvanizing, Add	1,557.66	
For >10 To 25 Tons, Deduct	-472.86	
For >25 To 50 Tons, Deduct	-973.54	
For >50 Tons, Deduct	-1,390.77	
<b>05 12 23 00-0023</b> <b>Structural WT, MT, ST Tee Shapes</b> <small>(05 12 23 00-0001)</small>		
05 12 23 00-0024    TON Up To 30 LB/LF Structural WT, MT, ST Tee Shapes.....	13,779.50	1,399.24
For ASTM A242 Type 2 High Strength Steel, Add	890.09	
For Hot Dip Galvanizing, Add	3,115.32	
For >10 To 25 Tons, Deduct	-945.72	
For >25 To 50 Tons, Deduct	-1,947.07	
For >50 Tons, Deduct	-2,781.54	

**05 Metals****05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0025 TON >30 To 65 LB/LF Structural WT, MT, ST Tee Shapes .....	9,391.31	829.09
For ASTM A242 Type 2 High Strength Steel, Add	680.55	
For Hot Dip Galvanizing, Add	2,381.92	
For >10 To 25 Tons, Deduct	-723.08	
For >25 To 50 Tons, Deduct	-1,488.70	
For >50 Tons, Deduct	-2,126.72	
05 12 23 00-0026 TON >65 To 100 LB/LF Structural WT, MT, ST Tee Shapes .....	7,451.35	466.41
For ASTM A242 Type 2 High Strength Steel, Add	556.31	
For Hot Dip Galvanizing, Add	1,947.08	
For >10 To 25 Tons, Deduct	-591.08	
For >25 To 50 Tons, Deduct	-1,216.92	
For >50 Tons, Deduct	-1,738.46	
05 12 23 00-0027 TON >100 To 365 LB/LF Structural WT, MT, ST Tee Shapes .....	5,503.90	248.26
For ASTM A242 Type 2 High Strength Steel, Add	419.08	
For Hot Dip Galvanizing, Add	1,466.80	
For >10 To 25 Tons, Deduct	-445.28	
For >25 To 50 Tons, Deduct	-916.75	
For >50 Tons, Deduct	-1,309.64	
<b>05 12 23 00-0028 Combination Section Shapes (05 12 23 00-0001)</b>		
<b>05 12 23 00-0029 Combination Section, W Shapes And Angles (05 12 23 00-0028)</b>		
05 12 23 00-0030 TON Up To 30 LB/LF Combination Section - W Shapes And Angles.....	13,060.94	1,399.24
For ASTM A242 Type 2 High Strength Steel, Add	832.61	
For Hot Dip Galvanizing, Add	2,914.12	
For >10 To 25 Tons, Deduct	-884.64	
For >25 To 50 Tons, Deduct	-1,821.33	
For >50 Tons, Deduct	-2,601.90	
05 12 23 00-0031 TON >30-65 LB/LF Combination Section - W Shapes And Angles .....	9,460.87	829.09
For ASTM A242 Type 2 High Strength Steel, Add	686.11	
For Hot Dip Galvanizing, Add	2,401.40	
For >10 To 25 Tons, Deduct	-729.00	
For >25 To 50 Tons, Deduct	-1,500.87	
For >50 Tons, Deduct	-2,144.11	
05 12 23 00-0032 TON >65-100 LB/LF Combination Section - W Shapes And Angles .....	6,871.86	466.41
For ASTM A242 Type 2 High Strength Steel, Add	509.95	
For Hot Dip Galvanizing, Add	1,784.82	
For >10 To 25 Tons, Deduct	-541.82	
For >25 To 50 Tons, Deduct	-1,115.51	
For >50 Tons, Deduct	-1,593.59	
05 12 23 00-0033 TON >100-300 LB/LF Combination Section - W Shapes And Angles .....	5,967.07	248.26
For ASTM A242 Type 2 High Strength Steel, Add	456.17	
For Hot Dip Galvanizing, Add	1,596.60	
For >10 To 25 Tons, Deduct	-484.68	
For >25 To 50 Tons, Deduct	-997.88	
For >50 Tons, Deduct	-1,425.54	
05 12 23 00-0034 TON >300-500 LB/LF Combination Section - W Shapes And Angles .....	5,162.63	124.63
For ASTM A242 Type 2 High Strength Steel, Add	402.40	
For Hot Dip Galvanizing, Add	1,408.39	
For >10 To 25 Tons, Deduct	-427.55	
For >25 To 50 Tons, Deduct	-880.24	
For >50 Tons, Deduct	-1,257.49	
<b>05 12 23 00-0035 Combination Section, S Shapes And Angles (05 12 23 00-0028)</b>		
05 12 23 00-0036 TON >30-65 LB/LF Combination Section - S Shapes And Angles .....	9,089.98	829.09
For ASTM A242 Type 2 High Strength Steel, Add	656.44	
For Hot Dip Galvanizing, Add	2,297.55	
For >10 To 25 Tons, Deduct	-697.47	
For >25 To 50 Tons, Deduct	-1,435.97	
For >50 Tons, Deduct	-2,051.38	
05 12 23 00-0037 TON >65-100 LB/LF Combination Section - S Shapes And Angles .....	6,895.04	466.41
For ASTM A242 Type 2 High Strength Steel, Add	511.80	
For Hot Dip Galvanizing, Add	1,791.31	
For >10 To 25 Tons, Deduct	-543.79	
For >25 To 50 Tons, Deduct	-1,119.57	
For >50 Tons, Deduct	-1,599.38	
<b>05 12 23 00-0038 Combination Section, Channels And Angles (05 12 23 00-0028)</b>		
05 12 23 00-0039 TON Up To 30 LB/LF Combination Section - Channels And Angles.....	13,779.50	1,399.24
For ASTM A242 Type 2 High Strength Steel, Add	890.09	
For Hot Dip Galvanizing, Add	3,115.32	
For >10 To 25 Tons, Deduct	-945.72	
For >25 To 50 Tons, Deduct	-1,947.07	
For >50 Tons, Deduct	-2,781.54	
05 12 23 00-0040 TON >30-65 LB/LF Combination Section - Channels And Angles .....	9,924.44	829.09
For ASTM A242 Type 2 High Strength Steel, Add	723.20	
For Hot Dip Galvanizing, Add	2,531.20	
For >10 To 25 Tons, Deduct	-768.40	
For >25 To 50 Tons, Deduct	-1,582.00	
For >50 Tons, Deduct	-2,260.00	



<b>Metals</b>	<b>05</b>	<b>05</b>
Structural Metal Framing	05 10	
Structural Steel Framing	05 12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0041 TON >65-100 LB/LF Combination Section - Channels And Angles ..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i> <i>For &gt;10 To 25 Tons, Deduct</i> <i>For &gt;25 To 50 Tons, Deduct</i> <i>For &gt;50 Tons, Deduct</i>	7,057.30 524.78 1,836.74 -557.58 -1,147.96 -1,639.95	466.41
<b>05 12 23 00-0042 Standard Weight Pipe</b> <small>(05 12 23 00-0001)</small>		
05 12 23 00-0043 TON 1/2" To 5" Diameter Standard Weight Pipe..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i> <i>For &gt;10 To 25 Tons, Deduct</i> <i>For &gt;25 To 50 Tons, Deduct</i> <i>For &gt;50 Tons, Deduct</i>	8,028.00 578.56 2,024.96 -614.72 -1,265.60 -1,808.00	746.25
05 12 23 00-0044 TON >5" To 12" Diameter Standard Weight Pipe..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i> <i>For &gt;10 To 25 Tons, Deduct</i> <i>For &gt;25 To 50 Tons, Deduct</i> <i>For &gt;50 Tons, Deduct</i>	8,551.52 604.52 2,115.82 -642.30 -1,322.39 -1,889.13	932.82
<b>05 12 23 00-0045 Temporary Steel Support For Structures</b> <small>(05 12 23 00-0001)</small> Note: Includes removal after use.		
05 12 23 00-0046 TON Up To 30 LB/LF Temporary Steel Support For Structures..... Note: For all stock sections.	11,160.23	
05 12 23 00-0047 TON >30 LB/LF Temporary Steel Support For Structures ..... Note: For all stock sections.	7,866.12	
<b>05 12 23 00-0048 Structural Steel Shapes</b> <small>(05 12 23)</small> Note: Prices by Ton (or LB) are based on ASTM A992/A36 steel with bolted standard beam connections and shop primed with red primer paint. Stock cross-sections only. Includes shop fabrication into sub-assemblies and delivery to site, all connecting bolts, connecting welds, and crane for erection (or demolition). Excludes moment connection welding. See CSI section 05 05 21 00-0007 for moment connection welding, 05 12 23 00-0131 for field fabrication of additional structural metal connections.		
<b>05 12 23 00-0049 Steel Rods</b> <small>(05 12 23 00-0048)</small>		
05 12 23 00-0050 TON 1/2" To 5" Diameter Extra Strong Steel, Solid..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i> <i>For &gt;10 To 25 Tons, Deduct</i> <i>For &gt;25 To 50 Tons, Deduct</i> <i>For &gt;50 Tons, Deduct</i>	8,688.33 645.32 2,258.61 -685.65 -1,411.63 -2,016.61	583.08
05 12 23 00-0051 TON >5" To 12" Diameter Extra Strong Steel, Solid ..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i> <i>For &gt;10 To 25 Tons, Deduct</i> <i>For &gt;25 To 50 Tons, Deduct</i> <i>For &gt;50 Tons, Deduct</i>	9,924.44 723.20 2,531.20 -768.40 -1,582.00 -2,260.00	829.09
<b>05 12 23 00-0052 Column Base Plates</b> <small>(05 12 23 00-0048)</small>		
05 12 23 00-0053 LB Column Base Plates, Up To 150 LB / Each, A36 Miscellaneous Steel Items ..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	4.27 0.28 0.97	0.75
05 12 23 00-0054 LB Column Base Plates, >150 LB / Each, A36 Miscellaneous Steel Items ..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i>	4.01 0.26 0.92	0.63
05 12 23 00-0055 TON Column Base Plates, Up To 150 LB Each, A36 Miscellaneous Steel Items ..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i> <i>For &gt;10 To 25 Tons, Deduct</i> <i>For &gt;25 To 50 Tons, Deduct</i> <i>For &gt;50 Tons, Deduct</i>	7,879.59 573.62 2,007.68 -609.47 -1,254.80 -1,792.57	664.97
05 12 23 00-0056 TON Column Base Plates, >150 LB Each, A36 Miscellaneous Steel Items..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i> <i>For &gt;10 To 25 Tons, Deduct</i> <i>For &gt;25 To 50 Tons, Deduct</i> <i>For &gt;50 Tons, Deduct</i>	5,611.76 414.89 1,452.13 -440.82 -907.58 -1,296.54	398.98
<b>05 12 23 00-0057 Double Extra Strong Pipes</b> <small>(05 12 23 00-0048)</small>		
05 12 23 00-0058 TON 2" To 5" Diameter Double Extra Strong Pipe ..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i> <i>For &gt;10 To 25 Tons, Deduct</i> <i>For &gt;25 To 50 Tons, Deduct</i> <i>For &gt;50 Tons, Deduct</i>	10,362.59 738.03 2,583.12 -784.16 -1,614.45 -2,306.36	1,066.02

05	05	Metals
	05 10	Structural Metal Framing
	05 12	Structural Steel Framing



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0059 TON >5" To 8" Diameter Double Extra Strong Pipe..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i> <i>For &gt;10 To 25 Tons, Deduct</i> <i>For &gt;25 To 50 Tons, Deduct</i> <i>For &gt;50 Tons, Deduct</i>	9,837.75 738.03 2,583.12 -784.16 -1,614.45 -2,306.36	573.99
<b>05 12 23 00-0060 Structural Pipes</b> <small>(05 12 23 00-0048)</small>		
05 12 23 00-0061 TON 3" To 5" Outside Diameter Structural Pipe, Extra Heavy A36 Miscellaneous Steel Items..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i> <i>For &gt;10 To 25 Tons, Deduct</i> <i>For &gt;25 To 50 Tons, Deduct</i> <i>For &gt;50 Tons, Deduct</i>	7,248.06 519.22 1,817.27 -551.67 -1,135.79 -1,622.56	492.53
05 12 23 00-0062 TON >5" To 12" Outside Diameter Structural Pipe, Extra Heavy A36 Miscellaneous Steel Items ..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i> <i>For &gt;10 To 25 Tons, Deduct</i> <i>For &gt;25 To 50 Tons, Deduct</i> <i>For &gt;50 Tons, Deduct</i>	7,743.41 519.22 1,817.27 -551.67 -1,135.79 -1,622.56	568.02
<b>05 12 23 00-0063 Structural Tubing</b> <small>(05 12 23 00-0048)</small>		
<b>05 12 23 00-0064 Rectangle Structural Tubing</b> <small>(05 12 23 00-0063)</small>		
05 12 23 00-0065 TON 3" x 2" Weight Range 5-7 LB/LF Structural Tubing - Rectangle..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i> <i>For &gt;10 To 25 Tons, Deduct</i> <i>For &gt;25 To 50 Tons, Deduct</i> <i>For &gt;50 Tons, Deduct</i>	12,120.40 927.18 3,245.12 -985.13 -2,028.20 -2,897.43	497.51
05 12 23 00-0066 TON 4" x 3", 2" Weight Range 6-13 LB/LF Structural Tubing - Rectangle ..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i> <i>For &gt;10 To 25 Tons, Deduct</i> <i>For &gt;25 To 50 Tons, Deduct</i> <i>For &gt;50 Tons, Deduct</i>	12,202.05 927.18 3,245.12 -985.13 -2,028.20 -2,897.43	573.99
05 12 23 00-0067 TON 5" x 4", 3", 2" Weight Range 8-20 LB/LF Structural Tubing - Rectangle ..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i> <i>For &gt;10 To 25 Tons, Deduct</i> <i>For &gt;25 To 50 Tons, Deduct</i> <i>For &gt;50 Tons, Deduct</i>	10,630.51 797.37 2,790.81 -847.21 -1,744.25 -2,491.79	621.88
05 12 23 00-0068 TON 6" x 4", 3", 2" Weight Range 9-29 LB/LF Structural Tubing - Rectangle ..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i> <i>For &gt;10 To 25 Tons, Deduct</i> <i>For &gt;25 To 50 Tons, Deduct</i> <i>For &gt;50 Tons, Deduct</i>	10,067.80 741.74 2,596.10 -788.10 -1,622.56 -2,317.95	746.25
05 12 23 00-0069 TON 7" x 5", 4", 3" Weight Range 12-35 LB/LF Structural Tubing - Rectangle ..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i> <i>For &gt;10 To 25 Tons, Deduct</i> <i>For &gt;25 To 50 Tons, Deduct</i> <i>For &gt;50 Tons, Deduct</i>	9,885.19 720.06 2,520.21 -765.06 -1,575.13 -2,250.19	829.09
05 12 23 00-0070 TON 8" x 6", 4", 3", 2" Weight Range 11-42 LB/LF Structural Tubing - Rectangle ..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i> <i>For &gt;10 To 25 Tons, Deduct</i> <i>For &gt;25 To 50 Tons, Deduct</i> <i>For &gt;50 Tons, Deduct</i>	10,012.45 703.09 2,460.80 -747.03 -1,538.00 -2,197.14	1,147.37
05 12 23 00-0071 TON 10" x 6", 4", 2" Weight Range 15-50 LB/LF Structural Tubing - Rectangle ..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i> <i>For &gt;10 To 25 Tons, Deduct</i> <i>For &gt;25 To 50 Tons, Deduct</i> <i>For &gt;50 Tons, Deduct</i>	10,379.74 700.95 2,453.32 -744.76 -1,533.32 -2,190.46	1,516.77
05 12 23 00-0072 TON 12" x 6", 4", 2" Weight Range 17-76 LB/LF Structural Tubing - Rectangle ..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i> <i>For &gt;10 To 25 Tons, Deduct</i> <i>For &gt;25 To 50 Tons, Deduct</i> <i>For &gt;50 Tons, Deduct</i>	10,621.90 708.36 2,479.28 -752.64 -1,549.55 -2,213.64	1,656.82
05 12 23 00-0073 TON 14" x 10", 6", 4" Weight Range 29-76 LB/LF Structural Tubing - Rectangle ..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i> <i>For &gt;10 To 25 Tons, Deduct</i> <i>For &gt;25 To 50 Tons, Deduct</i> <i>For &gt;50 Tons, Deduct</i>	10,844.58 708.36 2,479.28 -752.64 -1,549.55 -2,213.64	1,865.65
05 12 23 00-0074 TON 16" x 12", 8", 4" Weight Range 40-90 LB/LF Structural Tubing - Rectangle ..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i> <i>For &gt;10 To 25 Tons, Deduct</i> <i>For &gt;25 To 50 Tons, Deduct</i> <i>For &gt;50 Tons, Deduct</i>	11,415.19 700.95 2,453.32 -744.76 -1,533.32 -2,190.46	2,487.53





	<b>Metals</b>	<b>05</b>
	<b>Structural Metal Framing</b>	<b>05 10</b>
	<b>Structural Steel Framing</b>	<b>05 12</b>

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0075	TON		18" x 6", 4" Weight Range 48-76 LB/LF Structural Tubing - Rectangle ..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i> <i>For &gt;10 To 25 Tons, Deduct</i> <i>For &gt;25 To 50 Tons, Deduct</i> <i>For &gt;50 Tons, Deduct</i>	12,710.76 682.40 2,388.41 -725.05 -1,492.76 -2,132.51	3,919.47
05 12 23 00-0076	TON		20" x 12", 8", 4" Weight Range 48-105 LB/LF Structural Tubing - Rectangle ..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i> <i>For &gt;10 To 25 Tons, Deduct</i> <i>For &gt;25 To 50 Tons, Deduct</i> <i>For &gt;50 Tons, Deduct</i>	14,249.31 651.60 2,280.59 -692.32 -1,425.37 -2,036.24	5,722.92
<b>05 12 23 00-0077</b>			<b>Square Structural Tubing</b> <small>(05 12 23 00-0063)</small>		
05 12 23 00-0078	TON		2" x 2" Weight Range 4-6 LB/LF Structural Tubing - Square ..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i> <i>For &gt;10 To 25 Tons, Deduct</i> <i>For &gt;25 To 50 Tons, Deduct</i> <i>For &gt;50 Tons, Deduct</i>	12,087.24 927.18 3,245.12 -985.13 -2,028.20 -2,897.43	466.41
05 12 23 00-0079	TON		2.5" x 2.5" Weight Range 5-8 LB/LF Structural Tubing - Square ..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i> <i>For &gt;10 To 25 Tons, Deduct</i> <i>For &gt;25 To 50 Tons, Deduct</i> <i>For &gt;50 Tons, Deduct</i>	12,120.40 927.18 3,245.12 -985.13 -2,028.20 -2,897.43	497.51
05 12 23 00-0080	TON		3" x 3" Weight Range 6-11 LB/LF Structural Tubing - Square ..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i> <i>For &gt;10 To 25 Tons, Deduct</i> <i>For &gt;25 To 50 Tons, Deduct</i> <i>For &gt;50 Tons, Deduct</i>	10,862.31 815.92 2,855.71 -866.91 -1,784.82 -2,549.74	621.88
05 12 23 00-0081	TON		3.5" x 3.5" Weight Range 8-13 LB/LF Structural Tubing - Square ..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i> <i>For &gt;10 To 25 Tons, Deduct</i> <i>For &gt;25 To 50 Tons, Deduct</i> <i>For &gt;50 Tons, Deduct</i>	10,763.18 797.37 2,790.81 -847.21 -1,744.25 -2,491.79	746.25
05 12 23 00-0082	TON		4" x 4" Weight Range 10-22 LB/LF Structural Tubing - Square ..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i> <i>For &gt;10 To 25 Tons, Deduct</i> <i>For &gt;25 To 50 Tons, Deduct</i> <i>For &gt;50 Tons, Deduct</i>	8,597.87 608.23 2,128.80 -646.24 -1,330.50 -1,900.72	932.82
05 12 23 00-0083	TON		5" x 5" Weight Range 12-30 LB/LF Structural Tubing - Square ..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i> <i>For &gt;10 To 25 Tons, Deduct</i> <i>For &gt;25 To 50 Tons, Deduct</i> <i>For &gt;50 Tons, Deduct</i>	8,740.02 608.23 2,128.80 -646.24 -1,330.50 -1,900.72	1,066.02
05 12 23 00-0084	TON		6" x 6" Weight Range 15-35 LB/LF Structural Tubing - Square ..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i> <i>For &gt;10 To 25 Tons, Deduct</i> <i>For &gt;25 To 50 Tons, Deduct</i> <i>For &gt;50 Tons, Deduct</i>	9,194.87 608.23 2,128.80 -646.24 -1,330.50 -1,900.72	1,492.52
05 12 23 00-0085	TON		7" x 7" Weight Range 17-42 LB/LF Structural Tubing - Square ..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i> <i>For &gt;10 To 25 Tons, Deduct</i> <i>For &gt;25 To 50 Tons, Deduct</i> <i>For &gt;50 Tons, Deduct</i>	9,731.96 619.36 2,167.74 -658.06 -1,354.84 -1,935.49	1,865.65
05 12 23 00-0086	TON		8" x 8" Weight Range 20-60 LB/LF Structural Tubing - Square ..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i> <i>For &gt;10 To 25 Tons, Deduct</i> <i>For &gt;25 To 50 Tons, Deduct</i> <i>For &gt;50 Tons, Deduct</i>	11,646.99 719.49 2,518.22 -764.46 -1,573.89 -2,248.41	2,487.53
05 12 23 00-0087	TON		10" x 10" Weight Range 33-77 LB/LF Structural Tubing - Square ..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i> <i>For &gt;10 To 25 Tons, Deduct</i> <i>For &gt;25 To 50 Tons, Deduct</i> <i>For &gt;50 Tons, Deduct</i>	12,973.67 719.49 2,518.22 -764.46 -1,573.89 -2,248.41	3,731.28
05 12 23 00-0088	TON		12" x 12" Weight Range 40-80 LB/LF Structural Tubing - Square ..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i> <i>For &gt;10 To 25 Tons, Deduct</i> <i>For &gt;25 To 50 Tons, Deduct</i> <i>For &gt;50 Tons, Deduct</i>	12,413.35 619.36 2,167.74 -658.06 -1,354.84 -1,935.49	4,379.41

05	<b>05 Metals</b>
	<b>05 10 Structural Metal Framing</b>
	<b>05 12 Structural Steel Framing</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0089 TON 14" x 14" Weight Range 57-90 LB/LF Structural Tubing - Square .....	14,912.56	5,722.92
For ASTM A242 Type 2 High Strength Steel, Add	704.66	
For Hot Dip Galvanizing, Add	2,466.30	
For >10 To 25 Tons, Deduct	-748.70	
For >25 To 50 Tons, Deduct	-1,541.44	
For >50 Tons, Deduct	-2,202.05	
05 12 23 00-0090 TON 16" x 16" Weight Range 65-105 LB/LF Structural Tubing - Square .....	16,953.71	7,462.58
For ASTM A242 Type 2 High Strength Steel, Add	719.49	
For Hot Dip Galvanizing, Add	2,518.22	
For >10 To 25 Tons, Deduct	-764.46	
For >25 To 50 Tons, Deduct	-1,573.89	
For >50 Tons, Deduct	-2,248.41	
<b>05 12 23 00-0091 Galvanized Steel Pipe Tubing (05 12 23 00-0063)</b>		
Note: ASTM A53 Grade B		
05 12 23 00-0092 LF 2" Diameter Galvanized Steel Pipe Tubing, Standard Weight .....	44.48	5.43
05 12 23 00-0093 LF 2-1/2" Diameter Galvanized Steel Pipe Tubing, Standard Weight .....	48.86	6.47
05 12 23 00-0094 LF 3" Diameter Galvanized Steel Pipe Tubing, Standard Weight .....	54.26	8.59
05 12 23 00-0095 LF 3-1/2" Diameter Galvanized Steel Pipe Tubing, Standard Weight .....	58.55	9.57
05 12 23 00-0096 LF 4" Diameter Galvanized Steel Pipe Tubing, Standard Weight .....	61.26	10.34
05 12 23 00-0097 LF 5" Diameter Galvanized Steel Pipe Tubing, Standard Weight .....	68.75	12.93
05 12 23 00-0098 LF 6" Diameter Galvanized Steel Pipe Tubing, Standard Weight .....	76.24	15.51
05 12 23 00-0099 LF 8" Diameter Galvanized Steel Pipe Tubing, Standard Weight .....	83.61	18.63
05 12 23 00-0100 LF 10" Diameter Galvanized Steel Pipe Tubing, Standard Weight .....	94.20	22.77
05 12 23 00-0101 LF 12" Diameter Galvanized Steel Pipe Tubing, Standard Weight .....	111.00	28.97
<b>05 12 23 00-0102 Structural Shapes (05 12 23 00-0048)</b>		
05 12 23 00-0103 TON Structural Shapes, Steel Angle A36 Structural Steel, Purlins And Girts (Up To 20 LB/LF) .....	8,481.32	2,659.92
For ASTM A242 Type 2 High Strength Steel, Add	340.74	
For Hot Dip Galvanizing, Add	1,192.58	
For >20 To 50 LB/LF, Deduct	-1,059.24	
For >50 To 75 LB/LF, Deduct	-1,694.41	
For >75 To 100 LB/LF, Deduct	-2,329.58	
For >10 To 25 Tons, Deduct	-362.03	
For >25 To 50 Tons, Deduct	-745.37	
For >50 Tons, Deduct	-1,064.81	
05 12 23 00-0104 TON Structural Shapes, Steel Plate A36 Structural Steel .....	8,832.44	1,063.97
Note: Up to 21.5 LB per SF		
For ASTM A242 Type 2 High Strength Steel, Add	593.41	
For Hot Dip Galvanizing, Add	2,076.93	
For >21.5 To 50 LB/LF, Deduct	-953.99	
For >10 To 25 Tons, Deduct	-630.50	
For >25 To 50 Tons, Deduct	-1,298.08	
For >50 Tons, Deduct	-1,854.40	
05 12 23 00-0105 LB Structural Shapes, Primed Pipe Supports (Up To 20 LB/LF) .....	5.16	0.24
05 12 23 00-0106 LB Structural Shapes, Galvanized Pipe Supports .....	6.32	0.24
<b>05 12 23 00-0107 Built-Up Trusses (05 12 23 00-0048)</b>		
05 12 23 00-0108 TON Up To 50 LF Span Average Weight 100 LB/LF Trusses, Built-up .....	9,832.05	373.13
For >10 To 25 Tons, Deduct	-801.89	
For >25 To 50 Tons, Deduct	-1,650.96	
For >50 Tons, Deduct	-2,358.51	
05 12 23 00-0109 TON >50-100 LF Span Average Weight 120 LB/LF Trusses, Built-up .....	9,747.88	207.21
For >10 To 25 Tons, Deduct	-809.77	
For >25 To 50 Tons, Deduct	-1,667.18	
For >50 Tons, Deduct	-2,381.69	
05 12 23 00-0110 TON >100-200 LF Span Average Weight 150 LB/LF Trusses, Built-up .....	8,693.46	109.70
For >10 To 25 Tons, Deduct	-728.99	
For >25 To 50 Tons, Deduct	-1,500.87	
For >50 Tons, Deduct	-2,144.10	
05 12 23 00-0111 TON >200 LF Span Average Weight 180 LB/LF Trusses, Built-up .....	8,455.17	103.73
For >10 To 25 Tons, Deduct	-709.29	
For >25 To 50 Tons, Deduct	-1,460.31	
For >50 Tons, Deduct	-2,086.15	
<b>05 12 23 00-0112 Masonry Plates, Filler Plates, Sole Plates And Anchor Straps (05 12 23 00-0048)</b>		
Note: Includes shop fabrication, welds, drilling and shop primer.		
05 12 23 00-0113 SF 1/4" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps .....	31.68	7.66
05 12 23 00-0114 SF 3/8" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps .....	47.52	11.46
05 12 23 00-0115 SF 1/2" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps .....	63.36	15.28
05 12 23 00-0116 SF 5/8" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps .....	79.19	19.09
05 12 23 00-0117 SF 3/4" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps .....	95.03	22.80
05 12 23 00-0118 SF 7/8" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps .....	110.87	26.73
05 12 23 00-0119 SF 1" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps .....	126.71	30.55
05 12 23 00-0120 SF 1-1/8" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps .....	142.55	34.37
05 12 23 00-0121 SF 1-1/4" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps .....	158.39	38.18
05 12 23 00-0122 SF 1-3/8" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps .....	174.24	42.00
05 12 23 00-0123 SF 1-1/2" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps .....	190.08	45.82
05 12 23 00-0124 SF 1-5/8" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps .....	205.92	49.64
05 12 23 00-0125 SF 1-3/4" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps .....	221.76	53.45



<b>Metals</b>	<b>05</b>	<b>05</b>
Structural Metal Framing	05 10	
Structural Steel Framing	05 12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0126 SF 1-7/8" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps.....	237.60	57.27
05 12 23 00-0127 SF 2" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps.....	253.44	61.09
<b>05 12 23 00-0128 Accessories For Steel (05 12 23)</b>		
<b>05 12 23 00-0129 Field Painting For Touch-Up Of Shop Prime Coat (05 12 23 00-0128)</b>		
05 12 23 00-0130 SF Touch Up Paint - Type 1 Red Oxide Field Painting Prime Coat.....	1.26	
<b>05 12 23 00-0131 Connection And Stiffener Plates (05 12 23 00-0128)</b>		
Note: For field fabrication of additional structural metal connections.		
05 12 23 00-0132 TON 1/8" Plate Weight 6.16 LB/SF Connection And Stiffener Plates.....	21,413.84	
For >10 To 25 Tons, Deduct	-1,820.18	
For >25 To 50 Tons, Deduct	-3,747.42	
For >50 Tons, Deduct	-5,353.46	
05 12 23 00-0133 TON 3/16" Plate Weight 8.71 LB/SF Connection And Stiffener Plates.....	18,270.20	
For >10 To 25 Tons, Deduct	-1,552.97	
For >25 To 50 Tons, Deduct	-3,197.29	
For >50 Tons, Deduct	-4,567.55	
05 12 23 00-0134 TON 1/4" Plate Weight 11.26 LB/SF Connection And Stiffener Plates.....	14,128.72	
For >10 To 25 Tons, Deduct	-1,200.94	
For >25 To 50 Tons, Deduct	-2,472.53	
For >50 Tons, Deduct	-3,532.18	
05 12 23 00-0135 TON 5/16" Plate Weight 13.81 LB/SF Connection And Stiffener Plates.....	14,128.72	
For >10 To 25 Tons, Deduct	-1,200.94	
For >25 To 50 Tons, Deduct	-2,472.53	
For >50 Tons, Deduct	-3,532.18	
05 12 23 00-0136 TON 3/8" Plate Weight 16.37 LB/SF Connection And Stiffener Plates.....	14,128.72	
For >10 To 25 Tons, Deduct	-1,200.94	
For >25 To 50 Tons, Deduct	-2,472.53	
For >50 Tons, Deduct	-3,532.18	
05 12 23 00-0137 TON 1/2" Plate Weight 21.47 LB/SF Connection And Stiffener Plates.....	14,128.72	
For >10 To 25 Tons, Deduct	-1,200.94	
For >25 To 50 Tons, Deduct	-2,472.53	
For >50 Tons, Deduct	-3,532.18	
05 12 23 00-0138 TON 9/16" Plate Weight 24.02 LB/SF Connection And Stiffener Plates.....	14,128.72	
For >10 To 25 Tons, Deduct	-1,200.94	
For >25 To 50 Tons, Deduct	-2,472.53	
For >50 Tons, Deduct	-3,532.18	
05 12 23 00-0139 TON 5/8" Plate Weight 26.58 LB/SF Connection And Stiffener Plates.....	14,128.72	
For >10 To 25 Tons, Deduct	-1,200.94	
For >25 To 50 Tons, Deduct	-2,472.53	
For >50 Tons, Deduct	-3,532.18	
05 12 23 00-0140 TON 3/4" Plate Weight 31.68 LB/SF Connection And Stiffener Plates.....	13,245.67	
For >10 To 25 Tons, Deduct	-1,125.88	
For >25 To 50 Tons, Deduct	-2,317.99	
For >50 Tons, Deduct	-3,311.42	
05 12 23 00-0141 TON 7/8" Plate Weight 36.78 LB/SF Connection And Stiffener Plates.....	13,245.67	
For >10 To 25 Tons, Deduct	-1,125.88	
For >25 To 50 Tons, Deduct	-2,317.99	
For >50 Tons, Deduct	-3,311.42	
05 12 23 00-0142 TON 1" Plate Weight 41.89 LB/SF Connection And Stiffener Plates.....	13,245.67	
For >10 To 25 Tons, Deduct	-1,125.88	
For >25 To 50 Tons, Deduct	-2,317.99	
For >50 Tons, Deduct	-3,311.42	
<b>05 12 23 00-0143 Field Applied Cold Galvanizing (05 12 23 00-0128)</b>		
05 12 23 00-0144 SF Brush Applied Cold Galvanizing.....	1.62	
<b>05 12 23 00-0145 Metal Grinding (05 12 23 00-0128)</b>		
Note: For use to prepare existing metal for welding by removing of rust or scale and smoothing surface after torch cutting.		
05 12 23 00-0146 SI Metal Grinding Up To 1/32" Thickness To Be Removed.....	0.97	
Note: Includes rust or scale removal on metal and smoothing surface.		
<b>05 12 23 00-0147 Structural Steel For Buildings And Structures (05 12 23)</b>		
Note: Prices by Ton (or LB) are based on ASTM A992/A36 steel with bolted standard beam connections and shop primed with red primer paint. Stock cross-sections only. Includes shop fabrication into sub-assemblies and delivery to site, all connecting bolts, connecting welds, and crane for erection (or demolition). Excludes moment connection welding.		
<b>05 12 23 00-0148 First Tier A992/A36 Structural Steel Columns, W Shapes (05 12 23 00-0147)</b>		
Note: With base plate. Includes material delivery and erection.		
05 12 23 00-0149 LF W14 x 730 A992/A36 Structural Column.....	1,679.91	73.78
For Hot Dip Galvanizing, Add	444.35	
For High Strength Low Alloy A572-50 Steel, Add	151.19	
For High Strength Low Alloy A588 Grade B Steel, Add	335.98	
05 12 23 00-0150 LF W14 x 665 A992/A36 Structural Column.....	1,531.99	68.76
For Hot Dip Galvanizing, Add	404.79	
For High Strength Low Alloy A572-50 Steel, Add	137.88	
For High Strength Low Alloy A588 Grade B Steel, Add	306.40	

**05 Metals**  
**05 10 Structural Metal Framing**  
**05 12 Structural Steel Framing**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0151	LF		W14 x 605 A992/A36 Structural Column .....	1,395.33	64.00
			<i>For Hot Dip Galvanizing, Add</i>	368.26	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	125.58	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	279.07	
05 12 23 00-0152	LF		W14 x 550 A992/A36 Structural Column .....	1,269.92	59.54
			<i>For Hot Dip Galvanizing, Add</i>	334.79	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	114.29	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	253.98	
05 12 23 00-0153	LF		W14 x 500 A992/A36 Structural Column .....	1,165.77	64.68
			<i>For Hot Dip Galvanizing, Add</i>	304.35	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	104.92	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	233.15	
05 12 23 00-0154	LF		W14 x 426 A992/A36 Structural Column .....	994.62	56.47
			<i>For Hot Dip Galvanizing, Add</i>	259.31	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	89.52	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	198.92	
05 12 23 00-0155	LF		W14 x 342 A992/A36 Structural Column .....	804.13	48.88
			<i>For Hot Dip Galvanizing, Add</i>	208.70	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	72.37	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	160.83	
05 12 23 00-0156	LF		W14 x 311 A992/A36 Structural Column .....	724.18	45.65
			<i>For Hot Dip Galvanizing, Add</i>	187.44	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	65.18	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	144.84	
05 12 23 00-0157	LF		W14 x 283 A992/A36 Structural Column .....	657.25	43.04
			<i>For Hot Dip Galvanizing, Add</i>	169.67	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	59.15	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	131.45	
05 12 23 00-0158	LF		W14 x 257 A992/A36 Structural Column .....	577.57	40.79
			<i>For Hot Dip Galvanizing, Add</i>	148.21	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	51.98	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	115.51	
05 12 23 00-0159	LF		W14 x 233 A992/A36 Structural Column .....	531.51	37.93
			<i>For Hot Dip Galvanizing, Add</i>	136.28	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	47.84	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	106.30	
05 12 23 00-0160	LF		W14 x 211 A992/A36 Structural Column .....	472.69	35.32
			<i>For Hot Dip Galvanizing, Add</i>	120.72	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	42.54	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	94.54	
05 12 23 00-0161	LF		W14 x 193 A992/A36 Structural Column .....	427.46	33.58
			<i>For Hot Dip Galvanizing, Add</i>	108.68	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	38.47	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	85.49	
05 12 23 00-0162	LF		W14 x 176 A992/A36 Structural Column .....	385.19	32.09
			<i>For Hot Dip Galvanizing, Add</i>	97.40	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	34.67	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	77.04	
05 12 23 00-0163	LF		W14 x 159 A992/A36 Structural Column .....	348.19	30.97
			<i>For Hot Dip Galvanizing, Add</i>	87.48	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	31.34	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	69.64	
05 12 23 00-0164	LF		W14 x 145 A992/A36 Structural Column .....	336.50	29.98
			<i>For Hot Dip Galvanizing, Add</i>	84.51	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	30.29	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	67.30	
05 12 23 00-0165	LF		W14 x 132 A992/A36 Structural Column .....	287.64	28.60
			<i>For Hot Dip Galvanizing, Add</i>	71.36	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	25.89	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	57.53	
05 12 23 00-0166	LF		W14 x 120 A992/A36 Structural Column .....	269.64	27.86
			<i>For Hot Dip Galvanizing, Add</i>	66.58	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	24.27	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	53.93	
05 12 23 00-0167	LF		W14 x 109 A992/A36 Structural Column .....	241.36	26.75
			<i>For Hot Dip Galvanizing, Add</i>	59.07	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	21.72	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	48.27	
05 12 23 00-0168	LF		W14 x 99 A992/A36 Structural Column .....	220.16	25.99
			<i>For Hot Dip Galvanizing, Add</i>	53.43	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	19.81	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	44.03	
05 12 23 00-0169	LF		W14 x 90 A992/A36 Structural Column .....	204.48	25.37
			<i>For Hot Dip Galvanizing, Add</i>	49.25	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	18.40	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	40.90	
05 12 23 00-0170	LF		W14 x 82 A992/A36 Structural Column .....	188.31	24.62
			<i>For Hot Dip Galvanizing, Add</i>	44.97	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	16.95	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	37.66	
05 12 23 00-0171	LF		W14 x 74 A992/A36 Structural Column .....	169.96	24.00
			<i>For Hot Dip Galvanizing, Add</i>	40.09	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	15.30	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	33.99	



	<b>Metals</b>	<b>05</b>
	Structural Metal Framing	05 10
	Structural Steel Framing	05 12

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0172 LF W14 x 68 A992/A36 Structural Column ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	158.69 37.07 14.28 31.74	23.63
05 12 23 00-0173 LF W14 x 61 A992/A36 Structural Column ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	144.64 33.34 13.02 28.93	23.01
05 12 23 00-0174 LF W14 x 53 A992/A36 Structural Column ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	131.68 29.91 11.85 26.34	22.39
05 12 23 00-0175 LF W14 x 48 A992/A36 Structural Column ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	123.32 27.70 11.10 24.66	22.01
05 12 23 00-0176 LF W14 x 43 A992/A36 Structural Column ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	111.21 24.48 10.01 22.24	21.64
05 12 23 00-0177 LF W12 x 336 A992/A36 Structural Column ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	766.11 202.88 68.95 153.22	32.86
05 12 23 00-0178 LF W12 x 305 A992/A36 Structural Column ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	697.97 184.16 62.82 139.59	32.20
05 12 23 00-0179 LF W12 x 279 A992/A36 Structural Column ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	640.98 168.46 57.69 128.20	31.81
05 12 23 00-0180 LF W12 x 252 A992/A36 Structural Column ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	581.39 152.16 52.33 116.28	31.02
05 12 23 00-0181 LF W12 x 230 A992/A36 Structural Column ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	533.04 138.87 47.97 106.61	30.57
05 12 23 00-0182 LF W12 x 210 A992/A36 Structural Column ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	489.06 126.80 44.02 97.81	30.14
05 12 23 00-0183 LF W12 x 190 A992/A36 Structural Column ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	450.11 114.72 40.51 90.02	34.32
05 12 23 00-0184 LF W12 x 170 A992/A36 Structural Column ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	406.65 103.01 36.60 81.33	33.33
05 12 23 00-0185 LF W12 x 152 A992/A36 Structural Column ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	366.52 92.56 32.99 73.30	30.97
05 12 23 00-0186 LF W12 x 136 A992/A36 Structural Column ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	348.41 87.78 31.36 69.68	30.10
05 12 23 00-0187 LF W12 x 120 A992/A36 Structural Column ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	263.53 64.92 23.72 52.71	27.61
05 12 23 00-0188 LF W12 x 106 A992/A36 Structural Column ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	242.81 59.48 21.85 48.56	26.75
05 12 23 00-0189 LF W12 x 96 A992/A36 Structural Column ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	217.14 52.63 19.54 43.43	25.87
05 12 23 00-0190 LF W12 x 87 A992/A36 Structural Column ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	200.25 48.15 18.02 40.05	25.00
05 12 23 00-0191 LF W12 x 79 A992/A36 Structural Column ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	175.59 41.55 15.80 35.12	24.26
05 12 23 00-0192 LF W12 x 72 A992/A36 Structural Column ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	160.64 37.57 14.46 32.13	23.63

**05 Metals****05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0193 LF W12 x 65 A992/A36 Structural Column .....	146.76	23.13
For Hot Dip Galvanizing, Add	33.89	
For High Strength Low Alloy A572-50 Steel, Add	13.21	
For High Strength Low Alloy A588 Grade B Steel, Add	29.35	
05 12 23 00-0194 LF W12 x 58 A992/A36 Structural Column .....	141.98	22.89
For Hot Dip Galvanizing, Add	32.63	
For High Strength Low Alloy A572-50 Steel, Add	12.78	
For High Strength Low Alloy A588 Grade B Steel, Add	28.40	
05 12 23 00-0195 LF W12 x 53 A992/A36 Structural Column .....	131.68	22.39
For Hot Dip Galvanizing, Add	29.91	
For High Strength Low Alloy A572-50 Steel, Add	11.85	
For High Strength Low Alloy A588 Grade B Steel, Add	26.34	
05 12 23 00-0196 LF W12 x 50 A992/A36 Structural Column .....	127.57	22.27
For Hot Dip Galvanizing, Add	28.81	
For High Strength Low Alloy A572-50 Steel, Add	11.48	
For High Strength Low Alloy A588 Grade B Steel, Add	25.51	
05 12 23 00-0197 LF W12 x 45 A992/A36 Structural Column .....	115.82	21.77
For Hot Dip Galvanizing, Add	25.69	
For High Strength Low Alloy A572-50 Steel, Add	10.42	
For High Strength Low Alloy A588 Grade B Steel, Add	23.16	
05 12 23 00-0198 LF W12 x 40 A992/A36 Structural Column .....	103.70	21.27
For Hot Dip Galvanizing, Add	22.46	
For High Strength Low Alloy A572-50 Steel, Add	9.33	
For High Strength Low Alloy A588 Grade B Steel, Add	20.74	
05 12 23 00-0199 LF W10 x 112 A992/A36 Structural Column .....	254.02	27.23
For Hot Dip Galvanizing, Add	62.45	
For High Strength Low Alloy A572-50 Steel, Add	22.86	
For High Strength Low Alloy A588 Grade B Steel, Add	50.80	
05 12 23 00-0200 LF W10 x 110 A992/A36 Structural Column .....	229.67	26.12
For Hot Dip Galvanizing, Add	56.00	
For High Strength Low Alloy A572-50 Steel, Add	20.67	
For High Strength Low Alloy A588 Grade B Steel, Add	45.93	
05 12 23 00-0201 LF W10 x 88 A992/A36 Structural Column .....	206.36	25.25
For Hot Dip Galvanizing, Add	49.81	
For High Strength Low Alloy A572-50 Steel, Add	18.57	
For High Strength Low Alloy A588 Grade B Steel, Add	41.27	
05 12 23 00-0202 LF W10 x 77 A992/A36 Structural Column .....	183.40	24.26
For Hot Dip Galvanizing, Add	43.71	
For High Strength Low Alloy A572-50 Steel, Add	16.51	
For High Strength Low Alloy A588 Grade B Steel, Add	36.68	
05 12 23 00-0203 LF W10 x 68 A992/A36 Structural Column .....	165.04	23.63
For Hot Dip Galvanizing, Add	38.83	
For High Strength Low Alloy A572-50 Steel, Add	14.85	
For High Strength Low Alloy A588 Grade B Steel, Add	33.01	
05 12 23 00-0204 LF W10 x 60 A992/A36 Structural Column .....	144.64	23.01
For Hot Dip Galvanizing, Add	33.34	
For High Strength Low Alloy A572-50 Steel, Add	13.02	
For High Strength Low Alloy A588 Grade B Steel, Add	28.93	
05 12 23 00-0205 LF W10 x 54 A992/A36 Structural Column .....	143.68	22.63
For Hot Dip Galvanizing, Add	33.14	
For High Strength Low Alloy A572-50 Steel, Add	12.93	
For High Strength Low Alloy A588 Grade B Steel, Add	28.74	
05 12 23 00-0206 LF W10 x 49 A992/A36 Structural Column .....	125.99	22.27
For Hot Dip Galvanizing, Add	28.40	
For High Strength Low Alloy A572-50 Steel, Add	11.34	
For High Strength Low Alloy A588 Grade B Steel, Add	25.20	
05 12 23 00-0207 LF W10 x 45 A992/A36 Structural Column .....	121.56	21.89
For Hot Dip Galvanizing, Add	27.24	
For High Strength Low Alloy A572-50 Steel, Add	10.94	
For High Strength Low Alloy A588 Grade B Steel, Add	24.31	
05 12 23 00-0208 LF W10 x 39 A992/A36 Structural Column .....	105.65	21.51
For Hot Dip Galvanizing, Add	22.97	
For High Strength Low Alloy A572-50 Steel, Add	9.51	
For High Strength Low Alloy A588 Grade B Steel, Add	21.13	
05 12 23 00-0209 LF W10 x 33 A992/A36 Structural Column .....	91.96	20.89
For Hot Dip Galvanizing, Add	19.34	
For High Strength Low Alloy A572-50 Steel, Add	8.28	
For High Strength Low Alloy A588 Grade B Steel, Add	18.39	
05 12 23 00-0210 LF W8 x 67 A992/A36 Structural Column .....	158.87	23.63
For Hot Dip Galvanizing, Add	37.12	
For High Strength Low Alloy A572-50 Steel, Add	14.30	
For High Strength Low Alloy A588 Grade B Steel, Add	31.77	
05 12 23 00-0211 LF W8 x 58 A992/A36 Structural Column .....	142.52	22.89
For Hot Dip Galvanizing, Add	32.78	
For High Strength Low Alloy A572-50 Steel, Add	12.83	
For High Strength Low Alloy A588 Grade B Steel, Add	28.50	
05 12 23 00-0212 LF W8 x 48 A992/A36 Structural Column .....	127.44	22.27
For Hot Dip Galvanizing, Add	28.81	
For High Strength Low Alloy A572-50 Steel, Add	11.47	
For High Strength Low Alloy A588 Grade B Steel, Add	25.49	
05 12 23 00-0213 LF W8 x 40 A992/A36 Structural Column .....	109.21	21.64
For Hot Dip Galvanizing, Add	23.92	
For High Strength Low Alloy A572-50 Steel, Add	9.83	
For High Strength Low Alloy A588 Grade B Steel, Add	21.84	



<b>Metals</b>	<b>05</b>	<b>05</b>
Structural Metal Framing	05 10	
Structural Steel Framing	05 12	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0214	LF		W8 x 35 A992/A36 Structural Column ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	98.55 21.10 8.87 19.71	21.15
05 12 23 00-0215	LF		W8 x 31 A992/A36 Structural Column ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	89.96 18.78 8.10 17.99	20.89
05 12 23 00-0216	LF		W8 x 28 A992/A36 Structural Column ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	84.62 17.37 7.62 16.92	20.65
05 12 23 00-0217	LF		W8 x 24 A992/A36 Structural Column ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	78.21 15.66 7.04 15.64	20.40
05 12 23 00-0218	LF		W8 x 21 A992/A36 Structural Column ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	73.97 14.55 6.66 14.79	20.28
05 12 23 00-0219	LF		W8 x 18 A992/A36 Structural Column ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	65.91 12.39 5.93 13.18	19.90
05 12 23 00-0220	LF		W6 x 25 A992/A36 Structural Column ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	82.20 16.77 7.40 16.44	20.40
05 12 23 00-0221	LF		W6 x 20 A992/A36 Structural Column ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	69.30 13.30 6.24 13.86	20.02
05 12 23 00-0222	LF		W6 x 15 A992/A36 Structural Column ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	59.24 10.68 5.33 11.85	19.40
05 12 23 00-0223	LF		W6 x 12 A992/A36 Structural Column ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	55.43 9.62 4.99 11.09	19.40
05 12 23 00-0224	LF		W6 x 9 A992/A36 Structural Column ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	50.59 8.31 4.55 10.12	19.28
05 12 23 00-0225	LF		W5 x 19 A992/A36 Structural Column ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	68.21 12.99 6.14 13.64	20.02
05 12 23 00-0226	LF		W5 x 16 A992/A36 Structural Column ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	62.71 11.53 5.64 12.54	19.90
05 12 23 00-0227	LF		W4 x 13 A992/A36 Structural Column ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	58.65 10.48 5.28 11.73	19.66
05 12 23 00-0228			<b>A992/A36 Structural Steel Beams And Girders, W Shapes</b> (05 12 23 00-0147) Note: Includes material delivery and erection.		
05 12 23 00-0229	LF		W36 x 300 A992/A36 Structural Beam Or Girder ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes &gt;2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	601.47 142.99 54.13 120.29 5.15 -197.59 72.18	80.80
05 12 23 00-0230	LF		W36 x 280 A992/A36 Structural Beam Or Girder ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes &gt;2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	580.43 133.46 52.24 116.09 4.81 -188.23 69.65	93.28
05 12 23 00-0231	LF		W36 x 260 A992/A36 Structural Beam Or Girder ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes &gt;2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	549.29 125.16 49.44 109.86 4.51 -177.51 65.91	92.16

<b>05</b>	<b>05 Metals</b>
	<b>05 10 Structural Metal Framing</b>
	<b>05 12 Structural Steel Framing</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0232 LF W36 x 240 A992/A36 Structural Beam Or Girder .....	511.41	77.87
For Hot Dip Galvanizing, Add	118.86	
For High Strength Low Alloy A572-50 Steel, Add	46.03	
For High Strength Low Alloy A588 Steel, Add	102.28	
For Each Additional Top Copes >2, Add	4.28	
For Structural Tees, WT, MT Or ST, Deduct	-166.53	
For Skewed Or Sloped Connections, Add	61.37	
05 12 23 00-0233 LF W36 x 230 A992/A36 Structural Beam Or Girder .....	494.73	78.98
For Hot Dip Galvanizing, Add	113.91	
For High Strength Low Alloy A572-50 Steel, Add	44.53	
For High Strength Low Alloy A588 Steel, Add	98.95	
For Each Additional Top Copes >2, Add	4.10	
For Structural Tees, WT, MT Or ST, Deduct	-160.52	
For Skewed Or Sloped Connections, Add	59.37	
05 12 23 00-0234 LF W36 x 210 A992/A36 Structural Beam Or Girder .....	469.94	89.18
For Hot Dip Galvanizing, Add	104.00	
For High Strength Low Alloy A572-50 Steel, Add	42.29	
For High Strength Low Alloy A588 Steel, Add	93.99	
For Each Additional Top Copes >2, Add	3.75	
For Structural Tees, WT, MT Or ST, Deduct	-150.21	
For Skewed Or Sloped Connections, Add	56.39	
05 12 23 00-0235 LF W36 x 194 A992/A36 Structural Beam Or Girder .....	442.55	75.53
For Hot Dip Galvanizing, Add	100.45	
For High Strength Low Alloy A572-50 Steel, Add	39.83	
For High Strength Low Alloy A588 Steel, Add	88.51	
For Each Additional Top Copes >2, Add	3.62	
For Structural Tees, WT, MT Or ST, Deduct	-142.81	
For Skewed Or Sloped Connections, Add	53.11	
05 12 23 00-0236 LF W36 x 182 A992/A36 Structural Beam Or Girder .....	419.57	74.98
For Hot Dip Galvanizing, Add	94.24	
For High Strength Low Alloy A572-50 Steel, Add	37.76	
For High Strength Low Alloy A588 Steel, Add	83.91	
For Each Additional Top Copes >2, Add	3.40	
For Structural Tees, WT, MT Or ST, Deduct	-134.85	
For Skewed Or Sloped Connections, Add	50.35	
05 12 23 00-0237 LF W36 x 170 A992/A36 Structural Beam Or Girder .....	396.27	74.12
For Hot Dip Galvanizing, Add	88.03	
For High Strength Low Alloy A572-50 Steel, Add	35.66	
For High Strength Low Alloy A588 Steel, Add	79.25	
For Each Additional Top Copes >2, Add	3.17	
For Structural Tees, WT, MT Or ST, Deduct	-126.84	
For Skewed Or Sloped Connections, Add	47.55	
05 12 23 00-0238 LF W36 x 160 A992/A36 Structural Beam Or Girder .....	390.59	86.32
For Hot Dip Galvanizing, Add	82.85	
For High Strength Low Alloy A572-50 Steel, Add	35.15	
For High Strength Low Alloy A588 Steel, Add	78.12	
For Each Additional Top Copes >2, Add	2.99	
For Structural Tees, WT, MT Or ST, Deduct	-122.90	
For Skewed Or Sloped Connections, Add	46.87	
05 12 23 00-0239 LF W36 x 150 A992/A36 Structural Beam Or Girder .....	374.32	85.69
For Hot Dip Galvanizing, Add	78.50	
For High Strength Low Alloy A572-50 Steel, Add	33.69	
For High Strength Low Alloy A588 Steel, Add	74.86	
For Each Additional Top Copes >2, Add	2.83	
For Structural Tees, WT, MT Or ST, Deduct	-117.30	
For Skewed Or Sloped Connections, Add	44.92	
05 12 23 00-0240 LF W36 x 135 A992/A36 Structural Beam Or Girder .....	351.58	84.95
For Hot Dip Galvanizing, Add	72.44	
For High Strength Low Alloy A572-50 Steel, Add	31.64	
For High Strength Low Alloy A588 Steel, Add	70.32	
For Each Additional Top Copes >2, Add	2.61	
For Structural Tees, WT, MT Or ST, Deduct	-109.47	
For Skewed Or Sloped Connections, Add	42.19	
05 12 23 00-0241 LF W33 x 241 A992/A36 Structural Beam Or Girder .....	517.73	80.32
For Hot Dip Galvanizing, Add	119.90	
For High Strength Low Alloy A572-50 Steel, Add	46.60	
For High Strength Low Alloy A588 Steel, Add	103.55	
For Each Additional Top Copes >2, Add	4.32	
For Structural Tees, WT, MT Or ST, Deduct	-168.36	
For Skewed Or Sloped Connections, Add	62.13	
05 12 23 00-0242 LF W33 x 221 A992/A36 Structural Beam Or Girder .....	479.77	78.35
For Hot Dip Galvanizing, Add	109.95	
For High Strength Low Alloy A572-50 Steel, Add	43.18	
For High Strength Low Alloy A588 Steel, Add	95.95	
For Each Additional Top Copes >2, Add	3.96	
For Structural Tees, WT, MT Or ST, Deduct	-155.38	
For Skewed Or Sloped Connections, Add	57.57	
05 12 23 00-0243 LF W33 x 201 A992/A36 Structural Beam Or Girder .....	454.88	88.56
For Hot Dip Galvanizing, Add	100.00	
For High Strength Low Alloy A572-50 Steel, Add	40.94	
For High Strength Low Alloy A588 Steel, Add	90.98	
For Each Additional Top Copes >2, Add	3.60	
For Structural Tees, WT, MT Or ST, Deduct	-145.03	
For Skewed Or Sloped Connections, Add	54.59	





<b>Metals</b>	<b>05</b>	<b>05</b>
Structural Metal Framing	05 10	
Structural Steel Framing	05 12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0244 LF W33 x 170 A992/A36 Structural Beam Or Girder .....	408.07	86.94
For Hot Dip Galvanizing, Add	87.53	
For High Strength Low Alloy A572-50 Steel, Add	36.73	
For High Strength Low Alloy A588 Steel, Add	81.61	
For Each Additional Top Copes >2, Add	3.15	
For Structural Tees, WT, MT Or ST, Deduct	-128.93	
For Skewed Or Sloped Connections, Add	48.97	
05 12 23 00-0245 LF W33 x 152 A992/A36 Structural Beam Or Girder .....	370.37	73.88
For Hot Dip Galvanizing, Add	80.91	
For High Strength Low Alloy A572-50 Steel, Add	33.33	
For High Strength Low Alloy A588 Steel, Add	74.07	
For Each Additional Top Copes >2, Add	2.92	
For Structural Tees, WT, MT Or ST, Deduct	-117.81	
For Skewed Or Sloped Connections, Add	44.44	
05 12 23 00-0246 LF W33 x 141 A992/A36 Structural Beam Or Girder .....	361.38	85.19
For Hot Dip Galvanizing, Add	75.05	
For High Strength Low Alloy A572-50 Steel, Add	32.52	
For High Strength Low Alloy A588 Steel, Add	72.28	
For Each Additional Top Copes >2, Add	2.70	
For Structural Tees, WT, MT Or ST, Deduct	-112.85	
For Skewed Or Sloped Connections, Add	43.37	
05 12 23 00-0247 LF W33 x 130 A992/A36 Structural Beam Or Girder .....	342.99	84.58
For Hot Dip Galvanizing, Add	70.15	
For High Strength Low Alloy A572-50 Steel, Add	30.87	
For High Strength Low Alloy A588 Steel, Add	68.60	
For Each Additional Top Copes >2, Add	2.53	
For Structural Tees, WT, MT Or ST, Deduct	-106.52	
For Skewed Or Sloped Connections, Add	41.16	
05 12 23 00-0248 LF W33 x 118 A992/A36 Structural Beam Or Girder .....	321.57	83.83
For Hot Dip Galvanizing, Add	64.42	
For High Strength Low Alloy A572-50 Steel, Add	28.94	
For High Strength Low Alloy A588 Steel, Add	64.31	
For Each Additional Top Copes >2, Add	2.32	
For Structural Tees, WT, MT Or ST, Deduct	-99.14	
For Skewed Or Sloped Connections, Add	38.59	
05 12 23 00-0249 LF W30 x 211 A992/A36 Structural Beam Or Girder .....	459.77	78.20
For Hot Dip Galvanizing, Add	104.44	
For High Strength Low Alloy A572-50 Steel, Add	41.38	
For High Strength Low Alloy A588 Steel, Add	91.95	
For Each Additional Top Copes >2, Add	3.76	
For Structural Tees, WT, MT Or ST, Deduct	-148.41	
For Skewed Or Sloped Connections, Add	55.17	
05 12 23 00-0250 LF W30 x 191 A992/A36 Structural Beam Or Girder .....	434.59	87.94
For Hot Dip Galvanizing, Add	94.54	
For High Strength Low Alloy A572-50 Steel, Add	39.11	
For High Strength Low Alloy A588 Steel, Add	86.92	
For Each Additional Top Copes >2, Add	3.41	
For Structural Tees, WT, MT Or ST, Deduct	-138.02	
For Skewed Or Sloped Connections, Add	52.15	
05 12 23 00-0251 LF W30 x 173 A992/A36 Structural Beam Or Girder .....	397.63	74.63
For Hot Dip Galvanizing, Add	88.25	
For High Strength Low Alloy A572-50 Steel, Add	35.79	
For High Strength Low Alloy A588 Steel, Add	79.53	
For Each Additional Top Copes >2, Add	3.18	
For Structural Tees, WT, MT Or ST, Deduct	-127.23	
For Skewed Or Sloped Connections, Add	47.72	
05 12 23 00-0252 LF W30 x 154 A992/A36 Structural Beam Or Girder .....	374.64	85.82
For Hot Dip Galvanizing, Add	78.56	
For High Strength Low Alloy A572-50 Steel, Add	33.72	
For High Strength Low Alloy A588 Steel, Add	74.93	
For Each Additional Top Copes >2, Add	2.83	
For Structural Tees, WT, MT Or ST, Deduct	-117.39	
For Skewed Or Sloped Connections, Add	44.96	
05 12 23 00-0253 LF W30 x 132 A992/A36 Structural Beam Or Girder .....	333.44	72.01
For Hot Dip Galvanizing, Add	71.21	
For High Strength Low Alloy A572-50 Steel, Add	30.01	
For High Strength Low Alloy A588 Steel, Add	66.69	
For Each Additional Top Copes >2, Add	2.57	
For Structural Tees, WT, MT Or ST, Deduct	-105.18	
For Skewed Or Sloped Connections, Add	40.01	
05 12 23 00-0254 LF W30 x 124 A992/A36 Structural Beam Or Girder .....	317.84	71.96
For Hot Dip Galvanizing, Add	66.90	
For High Strength Low Alloy A572-50 Steel, Add	28.61	
For High Strength Low Alloy A588 Steel, Add	63.57	
For Each Additional Top Copes >2, Add	2.41	
For Structural Tees, WT, MT Or ST, Deduct	-99.73	
For Skewed Or Sloped Connections, Add	38.14	
05 12 23 00-0255 LF W30 x 116 A992/A36 Structural Beam Or Girder .....	314.82	83.70
For Hot Dip Galvanizing, Add	62.58	
For High Strength Low Alloy A572-50 Steel, Add	28.33	
For High Strength Low Alloy A588 Steel, Add	62.96	
For Each Additional Top Copes >2, Add	2.26	
For Structural Tees, WT, MT Or ST, Deduct	-96.79	
For Skewed Or Sloped Connections, Add	37.78	

## 05 Metals

## 05 10 Structural Metal Framing

## 05 12 Structural Steel Framing



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0256 LF W30 x 108 A992/A36 Structural Beam Or Girder .....	291.42	75.37
For Hot Dip Galvanizing, Add	58.57	
For High Strength Low Alloy A572-50 Steel, Add	26.23	
For High Strength Low Alloy A588 Steel, Add	58.28	
For Each Additional Top Copes >2, Add	2.11	
For Structural Tees, WT, MT Or ST, Deduct	-89.94	
For Skewed Or Sloped Connections, Add	34.97	
05 12 23 00-0257 LF W30 x 99 A992/A36 Structural Beam Or Girder .....	278.28	75.00
For Hot Dip Galvanizing, Add	55.06	
For High Strength Low Alloy A572-50 Steel, Add	25.05	
For High Strength Low Alloy A588 Steel, Add	55.66	
For Each Additional Top Copes >2, Add	1.98	
For Structural Tees, WT, MT Or ST, Deduct	-85.42	
For Skewed Or Sloped Connections, Add	33.39	
05 12 23 00-0258 LF W27 x 178 A992/A36 Structural Beam Or Girder .....	441.60	87.38
For Hot Dip Galvanizing, Add	96.68	
For High Strength Low Alloy A572-50 Steel, Add	39.74	
For High Strength Low Alloy A588 Steel, Add	88.32	
For Each Additional Top Copes >2, Add	3.48	
For Structural Tees, WT, MT Or ST, Deduct	-140.58	
For Skewed Or Sloped Connections, Add	52.99	
05 12 23 00-0259 LF W27 x 161 A992/A36 Structural Beam Or Girder .....	404.80	84.09
For Hot Dip Galvanizing, Add	87.44	
For High Strength Low Alloy A572-50 Steel, Add	36.43	
For High Strength Low Alloy A588 Steel, Add	80.96	
For Each Additional Top Copes >2, Add	3.15	
For Structural Tees, WT, MT Or ST, Deduct	-128.23	
For Skewed Or Sloped Connections, Add	48.58	
05 12 23 00-0260 LF W27 x 146 A992/A36 Structural Beam Or Girder .....	372.27	81.11
For Hot Dip Galvanizing, Add	79.30	
For High Strength Low Alloy A572-50 Steel, Add	33.50	
For High Strength Low Alloy A588 Steel, Add	74.45	
For Each Additional Top Copes >2, Add	2.86	
For Structural Tees, WT, MT Or ST, Deduct	-117.32	
For Skewed Or Sloped Connections, Add	44.67	
05 12 23 00-0261 LF W27 x 114 A992/A36 Structural Beam Or Girder .....	294.99	67.38
For Hot Dip Galvanizing, Add	61.92	
For High Strength Low Alloy A572-50 Steel, Add	26.55	
For High Strength Low Alloy A588 Steel, Add	59.00	
For Each Additional Top Copes >2, Add	2.23	
For Structural Tees, WT, MT Or ST, Deduct	-92.47	
For Skewed Or Sloped Connections, Add	35.40	
05 12 23 00-0262 LF W27 x 102 A992/A36 Structural Beam Or Girder .....	279.61	75.00
For Hot Dip Galvanizing, Add	55.40	
For High Strength Low Alloy A572-50 Steel, Add	25.16	
For High Strength Low Alloy A588 Steel, Add	55.92	
For Each Additional Top Copes >2, Add	2.00	
For Structural Tees, WT, MT Or ST, Deduct	-85.87	
For Skewed Or Sloped Connections, Add	33.55	
05 12 23 00-0263 LF W27 x 94 A992/A36 Structural Beam Or Girder .....	267.27	74.50
For Hot Dip Galvanizing, Add	52.11	
For High Strength Low Alloy A572-50 Steel, Add	24.05	
For High Strength Low Alloy A588 Steel, Add	53.45	
For Each Additional Top Copes >2, Add	1.88	
For Structural Tees, WT, MT Or ST, Deduct	-81.62	
For Skewed Or Sloped Connections, Add	32.07	
05 12 23 00-0264 LF W27 x 84 A992/A36 Structural Beam Or Girder .....	252.21	74.00
For Hot Dip Galvanizing, Add	48.10	
For High Strength Low Alloy A572-50 Steel, Add	22.70	
For High Strength Low Alloy A588 Steel, Add	50.44	
For Each Additional Top Copes >2, Add	1.73	
For Structural Tees, WT, MT Or ST, Deduct	-76.44	
For Skewed Or Sloped Connections, Add	30.27	
05 12 23 00-0265 LF W24 x 162 A992/A36 Structural Beam Or Girder .....	389.93	80.62
For Hot Dip Galvanizing, Add	84.34	
For High Strength Low Alloy A572-50 Steel, Add	35.09	
For High Strength Low Alloy A588 Steel, Add	77.99	
For Each Additional Top Copes >2, Add	3.04	
For Structural Tees, WT, MT Or ST, Deduct	-123.58	
For Skewed Or Sloped Connections, Add	46.79	
05 12 23 00-0266 LF W24 x 146 A992/A36 Structural Beam Or Girder .....	356.36	77.28
For Hot Dip Galvanizing, Add	76.01	
For High Strength Low Alloy A572-50 Steel, Add	32.07	
For High Strength Low Alloy A588 Steel, Add	71.27	
For Each Additional Top Copes >2, Add	2.74	
For Structural Tees, WT, MT Or ST, Deduct	-112.36	
For Skewed Or Sloped Connections, Add	42.76	
05 12 23 00-0267 LF W24 x 131 A992/A36 Structural Beam Or Girder .....	324.47	73.78
For Hot Dip Galvanizing, Add	68.20	
For High Strength Low Alloy A572-50 Steel, Add	29.20	
For High Strength Low Alloy A588 Steel, Add	64.89	
For Each Additional Top Copes >2, Add	2.46	
For Structural Tees, WT, MT Or ST, Deduct	-101.76	
For Skewed Or Sloped Connections, Add	38.94	



	<b>Metals</b>	<b>05</b>
	Structural Metal Framing	05 10
	Structural Steel Framing	05 12

05

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0268 LF W24 x 117 A992/A36 Structural Beam Or Girder ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes &gt;2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	294.28 60.92 26.49 58.86 2.20 -91.78 35.31	70.09
05 12 23 00-0269 LF W24 x 104 A992/A36 Structural Beam Or Girder ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes &gt;2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	265.82 54.15 23.92 53.16 1.95 -82.43 31.90	66.28
05 12 23 00-0270 LF W24 x 94 A992/A36 Structural Beam Or Girder ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes &gt;2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	255.83 48.94 23.02 51.17 1.76 -77.62 30.70	74.50
05 12 23 00-0271 LF W24 x 84 A992/A36 Structural Beam Or Girder ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes &gt;2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	233.45 45.21 21.01 46.69 1.63 -71.13 28.01	66.05
05 12 23 00-0272 LF W24 x 76 A992/A36 Structural Beam Or Girder ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes &gt;2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	221.90 42.15 19.97 44.38 1.52 -67.16 26.63	65.55
05 12 23 00-0273 LF W24 x 68 A992/A36 Structural Beam Or Girder ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes &gt;2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	207.37 38.25 18.66 41.47 1.38 -62.15 24.88	65.17
05 12 23 00-0274 LF W24 x 62 A992/A36 Structural Beam Or Girder ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes &gt;2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	199.78 36.25 17.98 39.96 1.31 -59.55 23.97	64.80
05 12 23 00-0275 LF W24 x 55 A992/A36 Structural Beam Or Girder ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes &gt;2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	189.36 33.46 17.04 37.87 1.21 -55.96 22.72	64.55
05 12 23 00-0276 LF W21 x 147 A992/A36 Structural Beam Or Girder ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes &gt;2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	341.56 75.16 30.74 68.31 2.71 -108.94 40.99	66.29
05 12 23 00-0277 LF W21 x 132 A992/A36 Structural Beam Or Girder ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes &gt;2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	310.76 67.49 27.97 62.15 2.43 -98.63 37.29	63.34
05 12 23 00-0278 LF W21 x 122 A992/A36 Structural Beam Or Girder ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes &gt;2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	291.20 62.38 26.21 58.24 2.25 -91.96 34.94	62.27
05 12 23 00-0279 LF W21 x 111 A992/A36 Structural Beam Or Girder ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes &gt;2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	268.81 56.75 24.19 53.76 2.05 -84.44 32.26	60.28

## 05 Metals

## 05 10 Structural Metal Framing

## 05 12 Structural Steel Framing



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0280 LF W21 x 101 A992/A36 Structural Beam Or Girder .....	248.32	58.35
For Hot Dip Galvanizing, Add	51.64	
For High Strength Low Alloy A572-50 Steel, Add	22.35	
For High Strength Low Alloy A588 Steel, Add	49.66	
For Each Additional Top Copes >2, Add	1.86	
For Structural Tees, WT, MT Or ST, Deduct	-77.58	
For Skewed Or Sloped Connections, Add	29.80	
05 12 23 00-0281 LF W21 x 93 A992/A36 Structural Beam Or Girder .....	242.62	66.79
For Hot Dip Galvanizing, Add	47.55	
For High Strength Low Alloy A572-50 Steel, Add	21.84	
For High Strength Low Alloy A588 Steel, Add	48.52	
For Each Additional Top Copes >2, Add	1.71	
For Structural Tees, WT, MT Or ST, Deduct	-74.23	
For Skewed Or Sloped Connections, Add	29.11	
05 12 23 00-0282 LF W21 x 83 A992/A36 Structural Beam Or Girder .....	229.04	66.05
For Hot Dip Galvanizing, Add	43.99	
For High Strength Low Alloy A572-50 Steel, Add	20.61	
For High Strength Low Alloy A588 Steel, Add	45.81	
For Each Additional Top Copes >2, Add	1.59	
For Structural Tees, WT, MT Or ST, Deduct	-69.58	
For Skewed Or Sloped Connections, Add	27.48	
05 12 23 00-0283 LF W21 x 73 A992/A36 Structural Beam Or Girder .....	212.35	65.55
For Hot Dip Galvanizing, Add	39.53	
For High Strength Low Alloy A572-50 Steel, Add	19.11	
For High Strength Low Alloy A588 Steel, Add	42.47	
For Each Additional Top Copes >2, Add	1.42	
For Structural Tees, WT, MT Or ST, Deduct	-63.84	
For Skewed Or Sloped Connections, Add	25.48	
05 12 23 00-0284 LF W21 x 68 A992/A36 Structural Beam Or Girder .....	203.96	65.17
For Hot Dip Galvanizing, Add	37.30	
For High Strength Low Alloy A572-50 Steel, Add	18.36	
For High Strength Low Alloy A588 Steel, Add	40.79	
For Each Additional Top Copes >2, Add	1.34	
For Structural Tees, WT, MT Or ST, Deduct	-60.96	
For Skewed Or Sloped Connections, Add	24.48	
05 12 23 00-0285 LF W21 x 62 A992/A36 Structural Beam Or Girder .....	196.37	64.80
For Hot Dip Galvanizing, Add	35.30	
For High Strength Low Alloy A572-50 Steel, Add	17.67	
For High Strength Low Alloy A588 Steel, Add	39.27	
For Each Additional Top Copes >2, Add	1.27	
For Structural Tees, WT, MT Or ST, Deduct	-58.36	
For Skewed Or Sloped Connections, Add	23.56	
05 12 23 00-0286 LF W21 x 57 A992/A36 Structural Beam Or Girder .....	189.48	64.68
For Hot Dip Galvanizing, Add	33.46	
For High Strength Low Alloy A572-50 Steel, Add	17.05	
For High Strength Low Alloy A588 Steel, Add	37.90	
For Each Additional Top Copes >2, Add	1.21	
For Structural Tees, WT, MT Or ST, Deduct	-55.98	
For Skewed Or Sloped Connections, Add	22.74	
05 12 23 00-0287 LF W21 x 50 A992/A36 Structural Beam Or Girder .....	168.09	56.09
For Hot Dip Galvanizing, Add	30.01	
For High Strength Low Alloy A572-50 Steel, Add	15.13	
For High Strength Low Alloy A588 Steel, Add	33.62	
For Each Additional Top Copes >2, Add	1.08	
For Structural Tees, WT, MT Or ST, Deduct	-49.84	
For Skewed Or Sloped Connections, Add	20.17	
05 12 23 00-0288 LF W21 x 44 A992/A36 Structural Beam Or Girder .....	160.10	55.85
For Hot Dip Galvanizing, Add	27.89	
For High Strength Low Alloy A572-50 Steel, Add	14.41	
For High Strength Low Alloy A588 Steel, Add	32.02	
For Each Additional Top Copes >2, Add	1.01	
For Structural Tees, WT, MT Or ST, Deduct	-47.10	
For Skewed Or Sloped Connections, Add	19.21	
05 12 23 00-0289 LF W18 x 119 A992/A36 Structural Beam Or Girder .....	283.05	62.06
For Hot Dip Galvanizing, Add	60.18	
For High Strength Low Alloy A572-50 Steel, Add	25.47	
For High Strength Low Alloy A588 Steel, Add	56.61	
For Each Additional Top Copes >2, Add	2.17	
For Structural Tees, WT, MT Or ST, Deduct	-89.14	
For Skewed Or Sloped Connections, Add	33.97	
05 12 23 00-0290 LF W18 x 106 A992/A36 Structural Beam Or Girder .....	255.89	58.81
For Hot Dip Galvanizing, Add	53.60	
For High Strength Low Alloy A572-50 Steel, Add	23.03	
For High Strength Low Alloy A588 Steel, Add	51.18	
For Each Additional Top Copes >2, Add	1.93	
For Structural Tees, WT, MT Or ST, Deduct	-80.15	
For Skewed Or Sloped Connections, Add	30.71	
05 12 23 00-0291 LF W18 x 97 A992/A36 Structural Beam Or Girder .....	248.15	66.79
For Hot Dip Galvanizing, Add	49.05	
For High Strength Low Alloy A572-50 Steel, Add	22.33	
For High Strength Low Alloy A588 Steel, Add	49.63	
For Each Additional Top Copes >2, Add	1.77	
For Structural Tees, WT, MT Or ST, Deduct	-76.14	
For Skewed Or Sloped Connections, Add	29.78	



	<b>Metals</b>	<b>05</b>
	<b>Structural Metal Framing</b>	<b>05 10</b>
	<b>Structural Steel Framing</b>	<b>05 12</b>

05

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0292 LF W18 x 86 A992/A36 Structural Beam Or Girder .....	232.57	66.17
For Hot Dip Galvanizing, Add	44.93	
For High Strength Low Alloy A572-50 Steel, Add	20.93	
For High Strength Low Alloy A588 Steel, Add	46.51	
For Each Additional Top Copes >2, Add	1.62	
For Structural Tees, WT, MT Or ST, Deduct	-70.80	
For Skewed Or Sloped Connections, Add	27.91	
05 12 23 00-0293 LF W18 x 76 A992/A36 Structural Beam Or Girder .....	218.49	65.55
For Hot Dip Galvanizing, Add	41.20	
For High Strength Low Alloy A572-50 Steel, Add	19.66	
For High Strength Low Alloy A588 Steel, Add	43.70	
For Each Additional Top Copes >2, Add	1.48	
For Structural Tees, WT, MT Or ST, Deduct	-65.97	
For Skewed Or Sloped Connections, Add	26.22	
05 12 23 00-0294 LF W18 x 71 A992/A36 Structural Beam Or Girder .....	208.22	65.42
For Hot Dip Galvanizing, Add	38.42	
For High Strength Low Alloy A572-50 Steel, Add	18.74	
For High Strength Low Alloy A588 Steel, Add	41.64	
For Each Additional Top Copes >2, Add	1.38	
For Structural Tees, WT, MT Or ST, Deduct	-62.41	
For Skewed Or Sloped Connections, Add	24.99	
05 12 23 00-0295 LF W18 x 65 A992/A36 Structural Beam Or Girder .....	198.21	65.17
For Hot Dip Galvanizing, Add	35.74	
For High Strength Low Alloy A572-50 Steel, Add	17.84	
For High Strength Low Alloy A588 Steel, Add	39.64	
For Each Additional Top Copes >2, Add	1.29	
For Structural Tees, WT, MT Or ST, Deduct	-58.96	
For Skewed Or Sloped Connections, Add	23.79	
05 12 23 00-0296 LF W18 x 60 A992/A36 Structural Beam Or Girder .....	189.21	64.68
For Hot Dip Galvanizing, Add	33.35	
For High Strength Low Alloy A572-50 Steel, Add	17.03	
For High Strength Low Alloy A588 Steel, Add	37.84	
For Each Additional Top Copes >2, Add	1.20	
For Structural Tees, WT, MT Or ST, Deduct	-55.87	
For Skewed Or Sloped Connections, Add	22.71	
05 12 23 00-0297 LF W18 x 55 A992/A36 Structural Beam Or Girder .....	180.13	64.55
For Hot Dip Galvanizing, Add	30.90	
For High Strength Low Alloy A572-50 Steel, Add	16.21	
For High Strength Low Alloy A588 Steel, Add	36.03	
For Each Additional Top Copes >2, Add	1.11	
For Structural Tees, WT, MT Or ST, Deduct	-52.73	
For Skewed Or Sloped Connections, Add	21.62	
05 12 23 00-0298 LF W18 x 50 A992/A36 Structural Beam Or Girder .....	162.48	56.09
For Hot Dip Galvanizing, Add	28.45	
For High Strength Low Alloy A572-50 Steel, Add	14.62	
For High Strength Low Alloy A588 Steel, Add	32.50	
For Each Additional Top Copes >2, Add	1.03	
For Structural Tees, WT, MT Or ST, Deduct	-47.88	
For Skewed Or Sloped Connections, Add	19.50	
05 12 23 00-0299 LF W18 x 46 A992/A36 Structural Beam Or Girder .....	155.41	55.97
For Hot Dip Galvanizing, Add	26.56	
For High Strength Low Alloy A572-50 Steel, Add	13.99	
For High Strength Low Alloy A588 Steel, Add	31.08	
For Each Additional Top Copes >2, Add	0.96	
For Structural Tees, WT, MT Or ST, Deduct	-45.44	
For Skewed Or Sloped Connections, Add	18.65	
05 12 23 00-0300 LF W18 x 40 A992/A36 Structural Beam Or Girder .....	136.06	47.76
For Hot Dip Galvanizing, Add	23.61	
For High Strength Low Alloy A572-50 Steel, Add	12.25	
For High Strength Low Alloy A588 Steel, Add	27.21	
For Each Additional Top Copes >2, Add	0.85	
For Structural Tees, WT, MT Or ST, Deduct	-39.97	
For Skewed Or Sloped Connections, Add	16.33	
05 12 23 00-0301 LF W18 x 35 A992/A36 Structural Beam Or Girder .....	127.19	47.64
For Hot Dip Galvanizing, Add	21.21	
For High Strength Low Alloy A572-50 Steel, Add	11.45	
For High Strength Low Alloy A588 Steel, Add	25.44	
For Each Additional Top Copes >2, Add	0.76	
For Structural Tees, WT, MT Or ST, Deduct	-36.90	
For Skewed Or Sloped Connections, Add	15.26	
05 12 23 00-0302 LF W16 x 100 A992/A36 Structural Beam Or Girder .....	236.28	43.40
For Hot Dip Galvanizing, Add	52.73	
For High Strength Low Alloy A572-50 Steel, Add	21.27	
For High Strength Low Alloy A588 Steel, Add	47.26	
For Each Additional Top Copes >2, Add	1.90	
For Structural Tees, WT, MT Or ST, Deduct	-75.76	
For Skewed Or Sloped Connections, Add	28.35	
05 12 23 00-0303 LF W16 x 89 A992/A36 Structural Beam Or Girder .....	216.26	42.66
For Hot Dip Galvanizing, Add	47.38	
For High Strength Low Alloy A572-50 Steel, Add	19.46	
For High Strength Low Alloy A588 Steel, Add	43.25	
For Each Additional Top Copes >2, Add	1.71	
For Structural Tees, WT, MT Or ST, Deduct	-68.86	
For Skewed Or Sloped Connections, Add	25.95	

## 05 Metals

## 05 10 Structural Metal Framing

## 05 12 Structural Steel Framing



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0304 LF W16 x 77 A992/A36 Structural Beam Or Girder .....	194.78	42.17
For Hot Dip Galvanizing, Add	41.59	
For High Strength Low Alloy A572-50 Steel, Add	17.53	
For High Strength Low Alloy A588 Steel, Add	38.96	
For Each Additional Top Copes >2, Add	1.50	
For Structural Tees, WT, MT Or ST, Deduct	-61.44	
For Skewed Or Sloped Connections, Add	23.37	
05 12 23 00-0305 LF W16 x 67 A992/A36 Structural Beam Or Girder .....	176.50	41.55
For Hot Dip Galvanizing, Add	36.69	
For High Strength Low Alloy A572-50 Steel, Add	15.89	
For High Strength Low Alloy A588 Steel, Add	35.30	
For Each Additional Top Copes >2, Add	1.32	
For Structural Tees, WT, MT Or ST, Deduct	-55.13	
For Skewed Or Sloped Connections, Add	21.18	
05 12 23 00-0306 LF W16 x 57 A992/A36 Structural Beam Or Girder .....	158.43	40.92
For Hot Dip Galvanizing, Add	31.85	
For High Strength Low Alloy A572-50 Steel, Add	14.26	
For High Strength Low Alloy A588 Steel, Add	31.69	
For Each Additional Top Copes >2, Add	1.15	
For Structural Tees, WT, MT Or ST, Deduct	-48.90	
For Skewed Or Sloped Connections, Add	19.01	
05 12 23 00-0307 LF W16 x 50 A992/A36 Structural Beam Or Girder .....	145.81	40.55
For Hot Dip Galvanizing, Add	28.45	
For High Strength Low Alloy A572-50 Steel, Add	13.12	
For High Strength Low Alloy A588 Steel, Add	29.16	
For Each Additional Top Copes >2, Add	1.03	
For Structural Tees, WT, MT Or ST, Deduct	-44.54	
For Skewed Or Sloped Connections, Add	17.50	
05 12 23 00-0308 LF W16 x 45 A992/A36 Structural Beam Or Girder .....	136.93	40.30
For Hot Dip Galvanizing, Add	26.06	
For High Strength Low Alloy A572-50 Steel, Add	12.32	
For High Strength Low Alloy A588 Steel, Add	27.39	
For Each Additional Top Copes >2, Add	0.94	
For Structural Tees, WT, MT Or ST, Deduct	-41.47	
For Skewed Or Sloped Connections, Add	16.43	
05 12 23 00-0309 LF W16 x 40 A992/A36 Structural Beam Or Girder .....	127.73	39.92
For Hot Dip Galvanizing, Add	23.61	
For High Strength Low Alloy A572-50 Steel, Add	11.50	
For High Strength Low Alloy A588 Steel, Add	25.55	
For Each Additional Top Copes >2, Add	0.85	
For Structural Tees, WT, MT Or ST, Deduct	-38.31	
For Skewed Or Sloped Connections, Add	15.33	
05 12 23 00-0310 LF W16 x 36 A992/A36 Structural Beam Or Girder .....	120.54	39.68
For Hot Dip Galvanizing, Add	21.71	
For High Strength Low Alloy A572-50 Steel, Add	10.85	
For High Strength Low Alloy A588 Steel, Add	24.11	
For Each Additional Top Copes >2, Add	0.78	
For Structural Tees, WT, MT Or ST, Deduct	-35.85	
For Skewed Or Sloped Connections, Add	14.46	
05 12 23 00-0311 LF W16 x 31 A992/A36 Structural Beam Or Girder .....	103.12	31.59
For Hot Dip Galvanizing, Add	19.26	
For High Strength Low Alloy A572-50 Steel, Add	9.28	
For High Strength Low Alloy A588 Steel, Add	20.62	
For Each Additional Top Copes >2, Add	0.69	
For Structural Tees, WT, MT Or ST, Deduct	-31.04	
For Skewed Or Sloped Connections, Add	12.37	
05 12 23 00-0312 LF W16 x 26 A992/A36 Structural Beam Or Girder .....	91.54	31.22
For Hot Dip Galvanizing, Add	16.15	
For High Strength Low Alloy A572-50 Steel, Add	8.24	
For High Strength Low Alloy A588 Steel, Add	18.31	
For Each Additional Top Copes >2, Add	0.58	
For Structural Tees, WT, MT Or ST, Deduct	-27.04	
For Skewed Or Sloped Connections, Add	10.98	
05 12 23 00-0313 LF W14 x 99 A992/A36 Structural Beam Or Girder .....	226.13	35.57
For Hot Dip Galvanizing, Add	52.23	
For High Strength Low Alloy A572-50 Steel, Add	20.35	
For High Strength Low Alloy A588 Steel, Add	45.23	
For Each Additional Top Copes >2, Add	1.88	
For Structural Tees, WT, MT Or ST, Deduct	-73.46	
For Skewed Or Sloped Connections, Add	27.14	
05 12 23 00-0314 LF W14 x 90 A992/A36 Structural Beam Or Girder .....	209.86	34.95
For Hot Dip Galvanizing, Add	47.88	
For High Strength Low Alloy A572-50 Steel, Add	18.89	
For High Strength Low Alloy A588 Steel, Add	41.97	
For Each Additional Top Copes >2, Add	1.73	
For Structural Tees, WT, MT Or ST, Deduct	-67.85	
For Skewed Or Sloped Connections, Add	25.18	
05 12 23 00-0315 LF W14 x 82 A992/A36 Structural Beam Or Girder .....	195.32	34.58
For Hot Dip Galvanizing, Add	43.99	
For High Strength Low Alloy A572-50 Steel, Add	17.58	
For High Strength Low Alloy A588 Steel, Add	39.06	
For Each Additional Top Copes >2, Add	1.59	
For Structural Tees, WT, MT Or ST, Deduct	-62.84	
For Skewed Or Sloped Connections, Add	23.44	



	<b>Metals</b>	<b>05</b>
	<b>Structural Metal Framing</b>	<b>05 10</b>
	<b>Structural Steel Framing</b>	<b>05 12</b>

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0316 LF W14 x 74 A992/A36 Structural Beam Or Girder .....	180.80	34.08
For Hot Dip Galvanizing, Add	40.09	
For High Strength Low Alloy A572-50 Steel, Add	16.27	
For High Strength Low Alloy A588 Steel, Add	36.16	
For Each Additional Top Copes >2, Add	1.44	
For Structural Tees, WT, MT Or ST, Deduct	-57.83	
For Skewed Or Sloped Connections, Add	21.70	
05 12 23 00-0317 LF W14 x 68 A992/A36 Structural Beam Or Girder .....	169.98	33.70
For Hot Dip Galvanizing, Add	37.19	
For High Strength Low Alloy A572-50 Steel, Add	15.30	
For High Strength Low Alloy A588 Steel, Add	34.00	
For Each Additional Top Copes >2, Add	1.34	
For Structural Tees, WT, MT Or ST, Deduct	-54.10	
For Skewed Or Sloped Connections, Add	20.40	
05 12 23 00-0318 LF W14 x 61 A992/A36 Structural Beam Or Girder .....	157.36	33.33
For Hot Dip Galvanizing, Add	33.80	
For High Strength Low Alloy A572-50 Steel, Add	14.16	
For High Strength Low Alloy A588 Steel, Add	31.47	
For Each Additional Top Copes >2, Add	1.22	
For Structural Tees, WT, MT Or ST, Deduct	-49.74	
For Skewed Or Sloped Connections, Add	18.88	
05 12 23 00-0319 LF W14 x 53 A992/A36 Structural Beam Or Girder .....	143.02	32.83
For Hot Dip Galvanizing, Add	29.95	
For High Strength Low Alloy A572-50 Steel, Add	12.87	
For High Strength Low Alloy A588 Steel, Add	28.60	
For Each Additional Top Copes >2, Add	1.08	
For Structural Tees, WT, MT Or ST, Deduct	-44.80	
For Skewed Or Sloped Connections, Add	17.16	
05 12 23 00-0320 LF W14 x 48 A992/A36 Structural Beam Or Girder .....	133.82	32.46
For Hot Dip Galvanizing, Add	27.51	
For High Strength Low Alloy A572-50 Steel, Add	12.04	
For High Strength Low Alloy A588 Steel, Add	26.76	
For Each Additional Top Copes >2, Add	0.99	
For Structural Tees, WT, MT Or ST, Deduct	-41.63	
For Skewed Or Sloped Connections, Add	16.06	
05 12 23 00-0321 LF W14 x 43 A992/A36 Structural Beam Or Girder .....	124.75	32.34
For Hot Dip Galvanizing, Add	25.06	
For High Strength Low Alloy A572-50 Steel, Add	11.23	
For High Strength Low Alloy A588 Steel, Add	24.95	
For Each Additional Top Copes >2, Add	0.90	
For Structural Tees, WT, MT Or ST, Deduct	-38.49	
For Skewed Or Sloped Connections, Add	14.97	
05 12 23 00-0322 LF W14 x 38 A992/A36 Structural Beam Or Girder .....	115.74	32.09
For Hot Dip Galvanizing, Add	22.66	
For High Strength Low Alloy A572-50 Steel, Add	10.42	
For High Strength Low Alloy A588 Steel, Add	23.15	
For Each Additional Top Copes >2, Add	0.82	
For Structural Tees, WT, MT Or ST, Deduct	-35.40	
For Skewed Or Sloped Connections, Add	13.89	
05 12 23 00-0323 LF W14 x 34 A992/A36 Structural Beam Or Girder .....	108.47	31.71
For Hot Dip Galvanizing, Add	20.71	
For High Strength Low Alloy A572-50 Steel, Add	9.76	
For High Strength Low Alloy A588 Steel, Add	21.69	
For Each Additional Top Copes >2, Add	0.75	
For Structural Tees, WT, MT Or ST, Deduct	-32.89	
For Skewed Or Sloped Connections, Add	13.02	
05 12 23 00-0324 LF W14 x 30 A992/A36 Structural Beam Or Girder .....	101.20	31.59
For Hot Dip Galvanizing, Add	18.76	
For High Strength Low Alloy A572-50 Steel, Add	9.11	
For High Strength Low Alloy A588 Steel, Add	20.24	
For Each Additional Top Copes >2, Add	0.68	
For Structural Tees, WT, MT Or ST, Deduct	-30.38	
For Skewed Or Sloped Connections, Add	12.14	
05 12 23 00-0325 LF W14 x 26 A992/A36 Structural Beam Or Girder .....	93.92	31.22
For Hot Dip Galvanizing, Add	16.81	
For High Strength Low Alloy A572-50 Steel, Add	8.45	
For High Strength Low Alloy A588 Steel, Add	18.78	
For Each Additional Top Copes >2, Add	0.61	
For Structural Tees, WT, MT Or ST, Deduct	-27.87	
For Skewed Or Sloped Connections, Add	11.27	
05 12 23 00-0326 LF W14 x 22 A992/A36 Structural Beam Or Girder .....	86.85	31.09
For Hot Dip Galvanizing, Add	14.92	
For High Strength Low Alloy A572-50 Steel, Add	7.82	
For High Strength Low Alloy A588 Steel, Add	17.37	
For Each Additional Top Copes >2, Add	0.54	
For Structural Tees, WT, MT Or ST, Deduct	-25.44	
For Skewed Or Sloped Connections, Add	10.42	
05 12 23 00-0327 LF W12 x 87 A992/A36 Structural Beam Or Girder .....	204.52	34.82
For Hot Dip Galvanizing, Add	46.43	
For High Strength Low Alloy A572-50 Steel, Add	18.41	
For High Strength Low Alloy A588 Steel, Add	40.90	
For Each Additional Top Copes >2, Add	1.67	
For Structural Tees, WT, MT Or ST, Deduct	-66.00	
For Skewed Or Sloped Connections, Add	24.54	

## 05 Metals

## 05 10 Structural Metal Framing

## 05 12 Structural Steel Framing



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0328 LF W12 x 79 A992/A36 Structural Beam Or Girder .....	189.98	34.32
For Hot Dip Galvanizing, Add	42.54	
For High Strength Low Alloy A572-50 Steel, Add	17.10	
For High Strength Low Alloy A588 Steel, Add	38.00	
For Each Additional Top Copes >2, Add	1.53	
For Structural Tees, WT, MT Or ST, Deduct	-60.99	
For Skewed Or Sloped Connections, Add	22.80	
05 12 23 00-0329 LF W12 x 72 A992/A36 Structural Beam Or Girder .....	177.24	33.96
For Hot Dip Galvanizing, Add	39.14	
For High Strength Low Alloy A572-50 Steel, Add	15.95	
For High Strength Low Alloy A588 Steel, Add	35.45	
For Each Additional Top Copes >2, Add	1.41	
For Structural Tees, WT, MT Or ST, Deduct	-56.61	
For Skewed Or Sloped Connections, Add	21.27	
05 12 23 00-0330 LF W12 x 65 A992/A36 Structural Beam Or Girder .....	164.63	33.58
For Hot Dip Galvanizing, Add	35.74	
For High Strength Low Alloy A572-50 Steel, Add	14.82	
For High Strength Low Alloy A588 Steel, Add	32.93	
For Each Additional Top Copes >2, Add	1.29	
For Structural Tees, WT, MT Or ST, Deduct	-52.25	
For Skewed Or Sloped Connections, Add	19.76	
05 12 23 00-0331 LF W12 x 58 A992/A36 Structural Beam Or Girder .....	151.89	33.08
For Hot Dip Galvanizing, Add	32.35	
For High Strength Low Alloy A572-50 Steel, Add	13.67	
For High Strength Low Alloy A588 Steel, Add	30.38	
For Each Additional Top Copes >2, Add	1.17	
For Structural Tees, WT, MT Or ST, Deduct	-47.86	
For Skewed Or Sloped Connections, Add	18.23	
05 12 23 00-0332 LF W12 x 53 A992/A36 Structural Beam Or Girder .....	143.02	32.83
For Hot Dip Galvanizing, Add	29.95	
For High Strength Low Alloy A572-50 Steel, Add	12.87	
For High Strength Low Alloy A588 Steel, Add	28.60	
For Each Additional Top Copes >2, Add	1.08	
For Structural Tees, WT, MT Or ST, Deduct	-44.80	
For Skewed Or Sloped Connections, Add	17.16	
05 12 23 00-0333 LF W12 x 50 A992/A36 Structural Beam Or Girder .....	137.35	32.71
For Hot Dip Galvanizing, Add	28.45	
For High Strength Low Alloy A572-50 Steel, Add	12.36	
For High Strength Low Alloy A588 Steel, Add	27.47	
For Each Additional Top Copes >2, Add	1.03	
For Structural Tees, WT, MT Or ST, Deduct	-42.85	
For Skewed Or Sloped Connections, Add	16.48	
05 12 23 00-0334 LF W12 x 45 A992/A36 Structural Beam Or Girder .....	128.48	32.46
For Hot Dip Galvanizing, Add	26.06	
For High Strength Low Alloy A572-50 Steel, Add	11.56	
For High Strength Low Alloy A588 Steel, Add	25.70	
For Each Additional Top Copes >2, Add	0.94	
For Structural Tees, WT, MT Or ST, Deduct	-39.78	
For Skewed Or Sloped Connections, Add	15.42	
05 12 23 00-0335 LF W12 x 40 A992/A36 Structural Beam Or Girder .....	110.82	24.13
For Hot Dip Galvanizing, Add	23.61	
For High Strength Low Alloy A572-50 Steel, Add	9.97	
For High Strength Low Alloy A588 Steel, Add	22.16	
For Each Additional Top Copes >2, Add	0.85	
For Structural Tees, WT, MT Or ST, Deduct	-34.92	
For Skewed Or Sloped Connections, Add	13.30	
05 12 23 00-0336 LF W12 x 35 A992/A36 Structural Beam Or Girder .....	101.94	24.00
For Hot Dip Galvanizing, Add	21.21	
For High Strength Low Alloy A572-50 Steel, Add	9.17	
For High Strength Low Alloy A588 Steel, Add	20.39	
For Each Additional Top Copes >2, Add	0.76	
For Structural Tees, WT, MT Or ST, Deduct	-31.85	
For Skewed Or Sloped Connections, Add	12.23	
05 12 23 00-0337 LF W12 x 30 A992/A36 Structural Beam Or Girder .....	92.74	23.63
For Hot Dip Galvanizing, Add	18.76	
For High Strength Low Alloy A572-50 Steel, Add	8.35	
For High Strength Low Alloy A588 Steel, Add	18.55	
For Each Additional Top Copes >2, Add	0.68	
For Structural Tees, WT, MT Or ST, Deduct	-28.69	
For Skewed Or Sloped Connections, Add	11.13	
05 12 23 00-0338 LF W12 x 26 A992/A36 Structural Beam Or Girder .....	85.47	23.38
For Hot Dip Galvanizing, Add	16.81	
For High Strength Low Alloy A572-50 Steel, Add	7.69	
For High Strength Low Alloy A588 Steel, Add	17.09	
For Each Additional Top Copes >2, Add	0.61	
For Structural Tees, WT, MT Or ST, Deduct	-26.18	
For Skewed Or Sloped Connections, Add	10.26	
05 12 23 00-0339 LF W12 x 22 A992/A36 Structural Beam Or Girder .....	78.39	23.13
For Hot Dip Galvanizing, Add	14.92	
For High Strength Low Alloy A572-50 Steel, Add	7.06	
For High Strength Low Alloy A588 Steel, Add	15.68	
For Each Additional Top Copes >2, Add	0.54	
For Structural Tees, WT, MT Or ST, Deduct	-23.74	
For Skewed Or Sloped Connections, Add	9.41	





	<b>Metals</b>	<b>05</b>
	Structural Metal Framing	05 10
	Structural Steel Framing	05 12

05

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0340 LF W12 x 19 A992/A36 Structural Beam Or Girder .....	72.85	23.01
For Hot Dip Galvanizing, Add	13.42	
For High Strength Low Alloy A572-50 Steel, Add	6.56	
For High Strength Low Alloy A588 Steel, Add	14.57	
For Each Additional Top Copes >2, Add	0.48	
For Structural Tees, WT, MT Or ST, Deduct	-21.82	
For Skewed Or Sloped Connections, Add	8.74	
05 12 23 00-0341 LF W12 x 16 A992/A36 Structural Beam Or Girder .....	67.40	22.63
For Hot Dip Galvanizing, Add	11.97	
For High Strength Low Alloy A572-50 Steel, Add	6.07	
For High Strength Low Alloy A588 Steel, Add	13.48	
For Each Additional Top Copes >2, Add	0.43	
For Structural Tees, WT, MT Or ST, Deduct	-19.95	
For Skewed Or Sloped Connections, Add	8.09	
05 12 23 00-0342 LF W12 x 14 A992/A36 Structural Beam Or Girder .....	63.86	22.63
For Hot Dip Galvanizing, Add	11.03	
For High Strength Low Alloy A572-50 Steel, Add	5.75	
For High Strength Low Alloy A588 Steel, Add	12.77	
For Each Additional Top Copes >2, Add	0.40	
For Structural Tees, WT, MT Or ST, Deduct	-18.73	
For Skewed Or Sloped Connections, Add	7.66	
05 12 23 00-0343 LF W10 x 68 A992/A36 Structural Beam Or Girder .....	162.04	25.99
For Hot Dip Galvanizing, Add	37.30	
For High Strength Low Alloy A572-50 Steel, Add	14.58	
For High Strength Low Alloy A588 Steel, Add	32.41	
For Each Additional Top Copes >2, Add	1.34	
For Structural Tees, WT, MT Or ST, Deduct	-52.57	
For Skewed Or Sloped Connections, Add	19.44	
05 12 23 00-0344 LF W10 x 60 A992/A36 Structural Beam Or Girder .....	147.69	25.50
For Hot Dip Galvanizing, Add	33.46	
For High Strength Low Alloy A572-50 Steel, Add	13.29	
For High Strength Low Alloy A588 Steel, Add	29.54	
For Each Additional Top Copes >2, Add	1.21	
For Structural Tees, WT, MT Or ST, Deduct	-47.63	
For Skewed Or Sloped Connections, Add	17.72	
05 12 23 00-0345 LF W10 x 54 A992/A36 Structural Beam Or Girder .....	136.70	25.00
For Hot Dip Galvanizing, Add	30.51	
For High Strength Low Alloy A572-50 Steel, Add	12.30	
For High Strength Low Alloy A588 Steel, Add	27.34	
For Each Additional Top Copes >2, Add	1.10	
For Structural Tees, WT, MT Or ST, Deduct	-43.83	
For Skewed Or Sloped Connections, Add	16.40	
05 12 23 00-0346 LF W10 x 49 A992/A36 Structural Beam Or Girder .....	127.69	24.75
For Hot Dip Galvanizing, Add	28.12	
For High Strength Low Alloy A572-50 Steel, Add	11.49	
For High Strength Low Alloy A588 Steel, Add	25.54	
For Each Additional Top Copes >2, Add	1.01	
For Structural Tees, WT, MT Or ST, Deduct	-40.74	
For Skewed Or Sloped Connections, Add	15.32	
05 12 23 00-0347 LF W10 x 45 A992/A36 Structural Beam Or Girder .....	120.42	24.62
For Hot Dip Galvanizing, Add	26.17	
For High Strength Low Alloy A572-50 Steel, Add	10.84	
For High Strength Low Alloy A588 Steel, Add	24.08	
For Each Additional Top Copes >2, Add	0.94	
For Structural Tees, WT, MT Or ST, Deduct	-38.23	
For Skewed Or Sloped Connections, Add	14.45	
05 12 23 00-0348 LF W10 x 39 A992/A36 Structural Beam Or Girder .....	109.62	24.13
For Hot Dip Galvanizing, Add	23.27	
For High Strength Low Alloy A572-50 Steel, Add	9.87	
For High Strength Low Alloy A588 Steel, Add	21.92	
For Each Additional Top Copes >2, Add	0.84	
For Structural Tees, WT, MT Or ST, Deduct	-34.50	
For Skewed Or Sloped Connections, Add	13.15	
05 12 23 00-0349 LF W10 x 33 A992/A36 Structural Beam Or Girder .....	98.80	23.76
For Hot Dip Galvanizing, Add	20.38	
For High Strength Low Alloy A572-50 Steel, Add	8.89	
For High Strength Low Alloy A588 Steel, Add	19.76	
For Each Additional Top Copes >2, Add	0.73	
For Structural Tees, WT, MT Or ST, Deduct	-30.77	
For Skewed Or Sloped Connections, Add	11.86	
05 12 23 00-0350 LF W10 x 30 A992/A36 Structural Beam Or Girder .....	93.27	23.63
For Hot Dip Galvanizing, Add	18.88	
For High Strength Low Alloy A572-50 Steel, Add	8.39	
For High Strength Low Alloy A588 Steel, Add	18.65	
For Each Additional Top Copes >2, Add	0.68	
For Structural Tees, WT, MT Or ST, Deduct	-28.86	
For Skewed Or Sloped Connections, Add	11.19	
05 12 23 00-0351 LF W10 x 26 A992/A36 Structural Beam Or Girder .....	86.20	23.51
For Hot Dip Galvanizing, Add	16.98	
For High Strength Low Alloy A572-50 Steel, Add	7.76	
For High Strength Low Alloy A588 Steel, Add	17.24	
For Each Additional Top Copes >2, Add	0.61	
For Structural Tees, WT, MT Or ST, Deduct	-26.42	
For Skewed Or Sloped Connections, Add	10.34	

**05 Metals****05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0352 LF W10 x 22 A992/A36 Structural Beam Or Girder .....	78.79	23.13
For Hot Dip Galvanizing, Add	15.03	
For High Strength Low Alloy A572-50 Steel, Add	7.09	
For High Strength Low Alloy A588 Steel, Add	15.76	
For Each Additional Top Copes >2, Add	0.54	
For Structural Tees, WT, MT Or ST, Deduct	-23.88	
For Skewed Or Sloped Connections, Add	9.45	
05 12 23 00-0353 LF W10 x 19 A992/A36 Structural Beam Or Girder .....	73.46	23.01
For Hot Dip Galvanizing, Add	13.59	
For High Strength Low Alloy A572-50 Steel, Add	6.61	
For High Strength Low Alloy A588 Steel, Add	14.69	
For Each Additional Top Copes >2, Add	0.49	
For Structural Tees, WT, MT Or ST, Deduct	-22.04	
For Skewed Or Sloped Connections, Add	8.82	
05 12 23 00-0354 LF W10 x 17 A992/A36 Structural Beam Or Girder .....	69.72	22.89
For Hot Dip Galvanizing, Add	12.58	
For High Strength Low Alloy A572-50 Steel, Add	6.27	
For High Strength Low Alloy A588 Steel, Add	13.94	
For Each Additional Top Copes >2, Add	0.45	
For Structural Tees, WT, MT Or ST, Deduct	-20.75	
For Skewed Or Sloped Connections, Add	8.37	
05 12 23 00-0355 LF W10 x 15 A992/A36 Structural Beam Or Girder .....	66.19	22.63
For Hot Dip Galvanizing, Add	11.64	
For High Strength Low Alloy A572-50 Steel, Add	5.96	
For High Strength Low Alloy A588 Steel, Add	13.24	
For Each Additional Top Copes >2, Add	0.42	
For Structural Tees, WT, MT Or ST, Deduct	-19.53	
For Skewed Or Sloped Connections, Add	7.94	
05 12 23 00-0356 LF W10 x 12 A992/A36 Structural Beam Or Girder .....	60.85	22.63
For Hot Dip Galvanizing, Add	10.19	
For High Strength Low Alloy A572-50 Steel, Add	5.48	
For High Strength Low Alloy A588 Steel, Add	12.17	
For Each Additional Top Copes >2, Add	0.37	
For Structural Tees, WT, MT Or ST, Deduct	-17.68	
For Skewed Or Sloped Connections, Add	7.30	
05 12 23 00-0357 LF W8 x 35 A992/A36 Structural Beam Or Girder .....	102.34	24.00
For Hot Dip Galvanizing, Add	21.32	
For High Strength Low Alloy A572-50 Steel, Add	9.21	
For High Strength Low Alloy A588 Steel, Add	20.47	
For Each Additional Top Copes >2, Add	0.77	
For Structural Tees, WT, MT Or ST, Deduct	-31.99	
For Skewed Or Sloped Connections, Add	12.28	
05 12 23 00-0358 LF W8 x 31 A992/A36 Structural Beam Or Girder .....	95.07	23.63
For Hot Dip Galvanizing, Add	19.38	
For High Strength Low Alloy A572-50 Steel, Add	8.56	
For High Strength Low Alloy A588 Steel, Add	19.01	
For Each Additional Top Copes >2, Add	0.70	
For Structural Tees, WT, MT Or ST, Deduct	-29.49	
For Skewed Or Sloped Connections, Add	11.41	
05 12 23 00-0359 LF W8 x 28 A992/A36 Structural Beam Or Girder .....	93.54	22.27
For Hot Dip Galvanizing, Add	19.36	
For High Strength Low Alloy A572-50 Steel, Add	8.42	
For High Strength Low Alloy A588 Steel, Add	18.71	
For Each Additional Top Copes >2, Add	0.70	
For Structural Tees, WT, MT Or ST, Deduct	-29.18	
For Skewed Or Sloped Connections, Add	11.22	
05 12 23 00-0360 LF W8 x 24 A992/A36 Structural Beam Or Girder .....	85.14	20.89
For Hot Dip Galvanizing, Add	17.45	
For High Strength Low Alloy A572-50 Steel, Add	7.66	
For High Strength Low Alloy A588 Steel, Add	17.03	
For Each Additional Top Copes >2, Add	0.63	
For Structural Tees, WT, MT Or ST, Deduct	-26.46	
For Skewed Or Sloped Connections, Add	10.22	
05 12 23 00-0361 LF W8 x 21 A992/A36 Structural Beam Or Girder .....	79.21	19.40
For Hot Dip Galvanizing, Add	16.22	
For High Strength Low Alloy A572-50 Steel, Add	7.13	
For High Strength Low Alloy A588 Steel, Add	15.84	
For Each Additional Top Copes >2, Add	0.58	
For Structural Tees, WT, MT Or ST, Deduct	-24.61	
For Skewed Or Sloped Connections, Add	9.51	
05 12 23 00-0362 LF W8 x 18 A992/A36 Structural Beam Or Girder .....	69.04	18.03
For Hot Dip Galvanizing, Add	13.81	
For High Strength Low Alloy A572-50 Steel, Add	6.21	
For High Strength Low Alloy A588 Steel, Add	13.81	
For Each Additional Top Copes >2, Add	0.50	
For Structural Tees, WT, MT Or ST, Deduct	-21.27	
For Skewed Or Sloped Connections, Add	8.28	
05 12 23 00-0363 LF W8 x 10 A992/A36 Structural Beam Or Girder .....	38.28	12.93
For Hot Dip Galvanizing, Add	6.83	
For High Strength Low Alloy A572-50 Steel, Add	3.45	
For High Strength Low Alloy A588 Steel, Add	7.66	
For Each Additional Top Copes >2, Add	0.25	
For Structural Tees, WT, MT Or ST, Deduct	-11.35	
For Skewed Or Sloped Connections, Add	4.59	



<b>Metals</b>	<b>05</b>	<b>05</b>
Structural Metal Framing	05 10	
Structural Steel Framing	05 12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0364 LF W6 x 9 A992/A36 Structural Beam Or Girder .....	35.47	10.57
For Hot Dip Galvanizing, Add	6.74	
For High Strength Low Alloy A572-50 Steel, Add	3.19	
For High Strength Low Alloy A588 Steel, Add	7.09	
For Each Additional Top Copes >2, Add	0.24	
For Structural Tees, WT, MT Or ST, Deduct	-10.74	
For Skewed Or Sloped Connections, Add	4.26	
<b>05 12 23 00-0365 A992/A36 Structural Steel, M Shapes</b> (05 12 23 00-0147)		
Note: Includes material delivery and erection.		
05 12 23 00-0366 LF M14 x 18 A992/A36 Structural Steel.....	67.96	16.35
For Hot Dip Galvanizing, Add	14.02	
For High Strength Low Alloy A572-50 Steel, Add	6.12	
For High Strength Low Alloy A588 Grade B Steel, Add	13.59	
05 12 23 00-0367 LF M12 x 11.8 A992/A36 Structural Steel.....	48.54	14.46
For Hot Dip Galvanizing, Add	9.19	
For High Strength Low Alloy A572-50 Steel, Add	4.37	
For High Strength Low Alloy A588 Grade B Steel, Add	9.71	
05 12 23 00-0368 LF M10 x 9 A992/A36 Structural Steel.....	37.63	11.61
For Hot Dip Galvanizing, Add	7.01	
For High Strength Low Alloy A572-50 Steel, Add	3.39	
For High Strength Low Alloy A588 Grade B Steel, Add	7.53	
05 12 23 00-0369 LF M8 x 6.5 A992/A36 Structural Steel.....	27.19	8.38
For Hot Dip Galvanizing, Add	5.06	
For High Strength Low Alloy A572-50 Steel, Add	2.45	
For High Strength Low Alloy A588 Grade B Steel, Add	5.44	
05 12 23 00-0370 LF M6 x 20 A992/A36 Structural Steel.....	77.28	20.02
For Hot Dip Galvanizing, Add	15.58	
For High Strength Low Alloy A572-50 Steel, Add	6.96	
For High Strength Low Alloy A588 Grade B Steel, Add	15.46	
05 12 23 00-0371 LF M6 x 4.4 A992/A36 Structural Steel.....	18.39	5.67
For Hot Dip Galvanizing, Add	3.42	
For High Strength Low Alloy A572-50 Steel, Add	1.66	
For High Strength Low Alloy A588 Grade B Steel, Add	3.68	
05 12 23 00-0372 LF M5 x 18.9 A992/A36 Structural Steel.....	74.35	20.02
For Hot Dip Galvanizing, Add	14.70	
For High Strength Low Alloy A572-50 Steel, Add	6.69	
For High Strength Low Alloy A588 Grade B Steel, Add	14.87	
05 12 23 00-0373 LF M4 x 13 A992/A36 Structural Steel.....	60.83	19.66
For Hot Dip Galvanizing, Add	11.08	
For High Strength Low Alloy A572-50 Steel, Add	5.47	
For High Strength Low Alloy A588 Grade B Steel, Add	12.17	
<b>05 12 23 00-0374 A992/A36 Structural Steel, S Shapes</b> (05 12 23 00-0147)		
Note: Includes material delivery and erection.		
05 12 23 00-0375 LF S24 x 121 A992/A36 Structural Steel .....	410.02	82.82
For Hot Dip Galvanizing, Add	89.28	
For High Strength Low Alloy A572-50 Steel, Add	36.90	
For High Strength Low Alloy A588 Grade B Steel, Add	82.00	
05 12 23 00-0376 LF S24 x 106 A992/A36 Structural Steel .....	363.27	76.37
For Hot Dip Galvanizing, Add	78.21	
For High Strength Low Alloy A572-50 Steel, Add	32.69	
For High Strength Low Alloy A588 Grade B Steel, Add	72.65	
05 12 23 00-0377 LF S24 x 100 A992/A36 Structural Steel .....	346.75	75.84
For Hot Dip Galvanizing, Add	73.78	
For High Strength Low Alloy A572-50 Steel, Add	31.21	
For High Strength Low Alloy A588 Grade B Steel, Add	69.35	
05 12 23 00-0378 LF S24 x 90 A992/A36 Structural Steel .....	315.91	71.85
For Hot Dip Galvanizing, Add	66.41	
For High Strength Low Alloy A572-50 Steel, Add	28.43	
For High Strength Low Alloy A588 Grade B Steel, Add	63.18	
05 12 23 00-0379 LF S24 x 80 A992/A36 Structural Steel .....	284.38	67.23
For Hot Dip Galvanizing, Add	59.03	
For High Strength Low Alloy A572-50 Steel, Add	25.59	
For High Strength Low Alloy A588 Grade B Steel, Add	56.88	
05 12 23 00-0380 LF S20 x 96 A992/A36 Structural Steel .....	332.88	72.81
For Hot Dip Galvanizing, Add	70.83	
For High Strength Low Alloy A572-50 Steel, Add	29.96	
For High Strength Low Alloy A588 Grade B Steel, Add	66.58	
05 12 23 00-0381 LF S20 x 86 A992/A36 Structural Steel .....	301.86	68.66
For Hot Dip Galvanizing, Add	63.45	
For High Strength Low Alloy A572-50 Steel, Add	27.17	
For High Strength Low Alloy A588 Grade B Steel, Add	60.37	
05 12 23 00-0382 LF S20 x 75 A992/A36 Structural Steel .....	266.61	63.03
For Hot Dip Galvanizing, Add	55.34	
For High Strength Low Alloy A572-50 Steel, Add	23.99	
For High Strength Low Alloy A588 Grade B Steel, Add	53.32	
05 12 23 00-0383 LF S20 x 66 A992/A36 Structural Steel .....	237.73	58.38
For Hot Dip Galvanizing, Add	48.70	
For High Strength Low Alloy A572-50 Steel, Add	21.40	
For High Strength Low Alloy A588 Grade B Steel, Add	47.55	

**05 Metals****05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0384 LF S18 x 70 A992/A36 Structural Steel .....	252.14	61.93
For Hot Dip Galvanizing, Add	51.65	
For High Strength Low Alloy A572-50 Steel, Add	22.69	
For High Strength Low Alloy A588 Grade B Steel, Add	50.43	
05 12 23 00-0385 LF S18 x 54.7 A992/A36 Structural Steel .....	199.74	50.93
For Hot Dip Galvanizing, Add	40.36	
For High Strength Low Alloy A572-50 Steel, Add	17.98	
For High Strength Low Alloy A588 Grade B Steel, Add	39.95	
05 12 23 00-0386 LF S15 x 50 A992/A36 Structural Steel .....	185.19	49.01
For Hot Dip Galvanizing, Add	36.89	
For High Strength Low Alloy A572-50 Steel, Add	16.67	
For High Strength Low Alloy A588 Grade B Steel, Add	37.04	
05 12 23 00-0387 LF S15 x 42.9 A992/A36 Structural Steel .....	161.26	44.26
For Hot Dip Galvanizing, Add	31.65	
For High Strength Low Alloy A572-50 Steel, Add	14.51	
For High Strength Low Alloy A588 Grade B Steel, Add	32.25	
05 12 23 00-0388 LF S12 x 50 A992/A36 Structural Steel .....	182.58	46.56
For Hot Dip Galvanizing, Add	36.89	
For High Strength Low Alloy A572-50 Steel, Add	16.43	
For High Strength Low Alloy A588 Grade B Steel, Add	36.52	
05 12 23 00-0389 LF S12 x 40.8 A992/A36 Structural Steel .....	151.11	39.99
For Hot Dip Galvanizing, Add	30.10	
For High Strength Low Alloy A572-50 Steel, Add	13.60	
For High Strength Low Alloy A588 Grade B Steel, Add	30.22	
05 12 23 00-0390 LF S12 x 35 A992/A36 Structural Steel .....	131.55	36.11
For Hot Dip Galvanizing, Add	25.82	
For High Strength Low Alloy A572-50 Steel, Add	11.84	
For High Strength Low Alloy A588 Grade B Steel, Add	26.31	
05 12 23 00-0391 LF S12 x 31.8 A992/A36 Structural Steel .....	121.38	34.54
For Hot Dip Galvanizing, Add	23.46	
For High Strength Low Alloy A572-50 Steel, Add	10.92	
For High Strength Low Alloy A588 Grade B Steel, Add	24.28	
05 12 23 00-0392 LF S10 x 35 A992/A36 Structural Steel .....	133.59	38.02
For Hot Dip Galvanizing, Add	25.82	
For High Strength Low Alloy A572-50 Steel, Add	12.02	
For High Strength Low Alloy A588 Grade B Steel, Add	26.72	
05 12 23 00-0393 LF S10 x 25.4 A992/A36 Structural Steel .....	98.50	29.04
For Hot Dip Galvanizing, Add	18.74	
For High Strength Low Alloy A572-50 Steel, Add	8.87	
For High Strength Low Alloy A588 Grade B Steel, Add	19.70	
05 12 23 00-0394 LF S8 x 23 A992/A36 Structural Steel .....	89.18	26.29
For Hot Dip Galvanizing, Add	16.97	
For High Strength Low Alloy A572-50 Steel, Add	8.03	
For High Strength Low Alloy A588 Grade B Steel, Add	17.84	
05 12 23 00-0395 LF S8 x 18.4 A992/A36 Structural Steel .....	72.53	22.14
For Hot Dip Galvanizing, Add	13.58	
For High Strength Low Alloy A572-50 Steel, Add	6.53	
For High Strength Low Alloy A588 Grade B Steel, Add	14.51	
05 12 23 00-0396 LF S7 x 20 A992/A36 Structural Steel .....	78.84	24.07
For Hot Dip Galvanizing, Add	14.76	
For High Strength Low Alloy A572-50 Steel, Add	7.10	
For High Strength Low Alloy A588 Grade B Steel, Add	15.77	
05 12 23 00-0397 LF S7 x 15.3 A992/A36 Structural Steel .....	61.35	19.39
For Hot Dip Galvanizing, Add	11.29	
For High Strength Low Alloy A572-50 Steel, Add	5.52	
For High Strength Low Alloy A588 Grade B Steel, Add	12.27	
05 12 23 00-0398 LF S6 x 17.25 A992/A36 Structural Steel .....	68.27	21.00
For Hot Dip Galvanizing, Add	12.73	
For High Strength Low Alloy A572-50 Steel, Add	6.14	
For High Strength Low Alloy A588 Grade B Steel, Add	13.65	
05 12 23 00-0399 LF S6 x 12.5 A992/A36 Structural Steel .....	58.39	19.40
For Hot Dip Galvanizing, Add	10.44	
For High Strength Low Alloy A572-50 Steel, Add	5.26	
For High Strength Low Alloy A588 Grade B Steel, Add	11.68	
05 12 23 00-0400 LF S5 x 14.75 A992/A36 Structural Steel .....	62.27	19.78
For Hot Dip Galvanizing, Add	11.45	
For High Strength Low Alloy A572-50 Steel, Add	5.60	
For High Strength Low Alloy A588 Grade B Steel, Add	12.45	
05 12 23 00-0401 LF S5 x 10 A992/A36 Structural Steel .....	52.66	19.28
For Hot Dip Galvanizing, Add	8.88	
For High Strength Low Alloy A572-50 Steel, Add	4.74	
For High Strength Low Alloy A588 Grade B Steel, Add	10.53	
05 12 23 00-0402 LF S4 x 9.5 A992/A36 Structural Steel .....	51.17	19.28
For Hot Dip Galvanizing, Add	8.47	
For High Strength Low Alloy A572-50 Steel, Add	4.61	
For High Strength Low Alloy A588 Grade B Steel, Add	10.23	
05 12 23 00-0403 LF S4 x 7.7 A992/A36 Structural Steel .....	47.74	19.28
For Hot Dip Galvanizing, Add	7.55	
For High Strength Low Alloy A572-50 Steel, Add	4.30	
For High Strength Low Alloy A588 Grade B Steel, Add	9.55	
05 12 23 00-0404 LF S3 x 7.5 A992/A36 Structural Steel .....	47.41	19.28
For Hot Dip Galvanizing, Add	7.46	
For High Strength Low Alloy A572-50 Steel, Add	4.27	
For High Strength Low Alloy A588 Grade B Steel, Add	9.48	



<b>Metals</b>	<b>05</b>	<b>05</b>
Structural Metal Framing	05 10	
Structural Steel Framing	05 12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0405 LF S3 x 5.7 A992/A36 Structural Steel .....	43.33	19.16
For Hot Dip Galvanizing, Add	6.36	
For High Strength Low Alloy A572-50 Steel, Add	3.90	
For High Strength Low Alloy A588 Grade B Steel, Add	8.67	
<b>05 12 23 00-0406 A992/A36 Structural Steel, HP Shapes</b> (05 12 23 00-0147)		
Note: Includes material delivery and erection.		
05 12 23 00-0407 LF HP14 x 117 A992/A36 Structural Steel.....	254.65	24.54
For Hot Dip Galvanizing, Add	63.41	
For High Strength Low Alloy A572-50 Steel, Add	22.92	
For High Strength Low Alloy A588 Grade B Steel, Add	50.93	
05 12 23 00-0408 LF HP14 x 102 A992/A36 Structural Steel.....	222.72	22.83
For Hot Dip Galvanizing, Add	55.05	
For High Strength Low Alloy A572-50 Steel, Add	20.04	
For High Strength Low Alloy A588 Grade B Steel, Add	44.54	
05 12 23 00-0409 LF HP14 x 89 A992/A36 Structural Steel.....	198.35	21.42
For Hot Dip Galvanizing, Add	48.71	
For High Strength Low Alloy A572-50 Steel, Add	17.85	
For High Strength Low Alloy A588 Grade B Steel, Add	39.67	
05 12 23 00-0410 LF HP14 x 73 A992/A36 Structural Steel.....	164.02	20.18
For Hot Dip Galvanizing, Add	39.55	
For High Strength Low Alloy A572-50 Steel, Add	14.76	
For High Strength Low Alloy A588 Grade B Steel, Add	32.80	
05 12 23 00-0411 LF HP13 x 100 A992/A36 Structural Steel.....	218.36	22.39
For Hot Dip Galvanizing, Add	53.97	
For High Strength Low Alloy A572-50 Steel, Add	19.65	
For High Strength Low Alloy A588 Grade B Steel, Add	43.67	
05 12 23 00-0412 LF HP13 x 87 A992/A36 Structural Steel.....	193.89	20.94
For Hot Dip Galvanizing, Add	47.61	
For High Strength Low Alloy A572-50 Steel, Add	17.45	
For High Strength Low Alloy A588 Grade B Steel, Add	38.78	
05 12 23 00-0413 LF HP13 x 73 A992/A36 Structural Steel.....	164.02	20.18
For Hot Dip Galvanizing, Add	39.55	
For High Strength Low Alloy A572-50 Steel, Add	14.76	
For High Strength Low Alloy A588 Grade B Steel, Add	32.80	
05 12 23 00-0414 LF HP13 x 60 A992/A36 Structural Steel.....	138.79	19.35
For Hot Dip Galvanizing, Add	32.79	
For High Strength Low Alloy A572-50 Steel, Add	12.49	
For High Strength Low Alloy A588 Grade B Steel, Add	27.76	
05 12 23 00-0415 LF HP12 x 84 A992/A36 Structural Steel.....	182.74	22.08
For Hot Dip Galvanizing, Add	44.18	
For High Strength Low Alloy A572-50 Steel, Add	16.45	
For High Strength Low Alloy A588 Grade B Steel, Add	36.55	
05 12 23 00-0416 LF HP12 x 74 A992/A36 Structural Steel.....	161.35	20.82
For Hot Dip Galvanizing, Add	38.61	
For High Strength Low Alloy A572-50 Steel, Add	14.52	
For High Strength Low Alloy A588 Grade B Steel, Add	32.27	
05 12 23 00-0417 LF HP12 x 63 A992/A36 Structural Steel.....	138.79	19.15
For Hot Dip Galvanizing, Add	32.85	
For High Strength Low Alloy A572-50 Steel, Add	12.49	
For High Strength Low Alloy A588 Grade B Steel, Add	27.76	
05 12 23 00-0418 LF HP12 x 53 A992/A36 Structural Steel.....	127.21	18.21
For Hot Dip Galvanizing, Add	29.91	
For High Strength Low Alloy A572-50 Steel, Add	11.45	
For High Strength Low Alloy A588 Grade B Steel, Add	25.44	
05 12 23 00-0419 LF HP10 x 57 A992/A36 Structural Steel.....	134.05	18.68
For Hot Dip Galvanizing, Add	31.67	
For High Strength Low Alloy A572-50 Steel, Add	12.06	
For High Strength Low Alloy A588 Grade B Steel, Add	26.81	
05 12 23 00-0420 LF HP10 x 42 A992/A36 Structural Steel.....	110.31	17.51
For Hot Dip Galvanizing, Add	25.43	
For High Strength Low Alloy A572-50 Steel, Add	9.93	
For High Strength Low Alloy A588 Grade B Steel, Add	22.06	
05 12 23 00-0421 LF HP8 x 36 A992/A36 Structural Steel.....	95.80	16.51
For Hot Dip Galvanizing, Add	21.70	
For High Strength Low Alloy A572-50 Steel, Add	8.62	
For High Strength Low Alloy A588 Grade B Steel, Add	19.16	
<b>05 12 23 00-0422 Lightweight Framing Steel Shapes</b> (05 12 23)		
Note: Includes cutting to length. Excludes fasteners or welds. When used with structural steel shapes by TON, connecting bolts or welds are considered included with structural steel tasks by TON.		
<b>05 12 23 00-0423 Angle Iron - L</b> (05 12 23 00-0422)		
<b>05 12 23 00-0424 1/8" Thick</b> (05 12 23 00-0423)		

## 05 Metals

## 05 10 Structural Metal Framing

## 05 12 Structural Steel Framing



MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0425	LF 1/2" x 1/2" x 1/8" Thick, Plain Steel Angle Iron.....	2.82	1.67
	For >100 To 250, Deduct	-0.17	
	For >250 To 500, Deduct	-0.24	
	For >500 To 1,000, Deduct	-0.37	
	For >1,000, Deduct	-0.49	
	For 316 Stainless Steel, Add	1.86	
	For Aluminum, Add	0.10	
	For Galvanized Steel, Add	0.36	
	For 304 Stainless Steel, Add	1.65	
	For High Strength Steel (HSS), Add	0.56	
05 12 23 00-0426	LF 3/4" x 1/2" x 1/8" Thick, Plain Steel Angle Iron.....	3.26	1.89
	For >100 To 250, Deduct	-0.19	
	For >250 To 500, Deduct	-0.27	
	For >500 To 1,000, Deduct	-0.42	
	For >1,000, Deduct	-0.56	
	For 316 Stainless Steel, Add	2.34	
	For Aluminum, Add	0.13	
	For Galvanized Steel, Add	0.45	
	For 304 Stainless Steel, Add	2.08	
	For High Strength Steel (HSS), Add	0.65	
05 12 23 00-0427	LF 3/4" x 3/4" x 1/8" Thick, Plain Steel Angle Iron.....	3.69	2.10
	For >100 To 250, Deduct	-0.21	
	For >250 To 500, Deduct	-0.30	
	For >500 To 1,000, Deduct	-0.46	
	For >1,000, Deduct	-0.63	
	For 316 Stainless Steel, Add	2.88	
	For Aluminum, Add	0.16	
	For Galvanized Steel, Add	0.56	
	For 304 Stainless Steel, Add	2.57	
	For High Strength Steel (HSS), Add	0.74	
05 12 23 00-0428	LF 1" x 3/4" x 1/8" Thick, Plain Steel Angle Iron.....	4.15	2.33
	For >100 To 250, Deduct	-0.23	
	For >250 To 500, Deduct	-0.34	
	For >500 To 1,000, Deduct	-0.52	
	For >1,000, Deduct	-0.70	
	For 316 Stainless Steel, Add	3.36	
	For Aluminum, Add	0.19	
	For Galvanized Steel, Add	0.65	
	For 304 Stainless Steel, Add	2.99	
	For High Strength Steel (HSS), Add	0.83	
05 12 23 00-0429	LF 1" x 1" x 1/8" Thick, Plain Steel Angle Iron.....	4.58	2.51
	For >100 To 250, Deduct	-0.25	
	For >250 To 500, Deduct	-0.37	
	For >500 To 1,000, Deduct	-0.57	
	For >1,000, Deduct	-0.76	
	For 316 Stainless Steel, Add	3.90	
	For Aluminum, Add	0.22	
	For Galvanized Steel, Add	0.76	
	For 304 Stainless Steel, Add	3.48	
	For High Strength Steel (HSS), Add	0.92	
05 12 23 00-0430	LF 1-1/4" x 1-1/4" x 1/8" Thick, Plain Steel Angle Iron.....	5.50	2.96
	For >100 To 250, Deduct	-0.30	
	For >250 To 500, Deduct	-0.43	
	For >500 To 1,000, Deduct	-0.67	
	For >1,000, Deduct	-0.91	
	For 316 Stainless Steel, Add	4.96	
	For Aluminum, Add	0.28	
	For Galvanized Steel, Add	0.96	
	For 304 Stainless Steel, Add	4.42	
	For High Strength Steel (HSS), Add	1.10	
05 12 23 00-0431	LF 1-1/2" x 1" x 1/8" Thick, Plain Steel Angle Iron.....	5.50	2.96
	For >100 To 250, Deduct	-0.30	
	For >250 To 500, Deduct	-0.43	
	For >500 To 1,000, Deduct	-0.67	
	For >1,000, Deduct	-0.91	
	For 316 Stainless Steel, Add	4.96	
	For Aluminum, Add	0.28	
	For Galvanized Steel, Add	0.96	
	For 304 Stainless Steel, Add	4.42	
	For High Strength Steel (HSS), Add	1.10	
05 12 23 00-0432	LF 1-1/2" x 1-1/2" x 1/8" Thick, Plain Steel Angle Iron.....	6.10	3.18
	For >100 To 250, Deduct	-0.32	
	For >250 To 500, Deduct	-0.47	
	For >500 To 1,000, Deduct	-0.73	
	For >1,000, Deduct	-0.99	
	For 316 Stainless Steel, Add	5.95	
	For Aluminum, Add	0.33	
	For Galvanized Steel, Add	1.15	
	For 304 Stainless Steel, Add	5.30	
	For High Strength Steel (HSS), Add	1.22	



<b>Metals</b>	<b>05</b>	<b>05</b>
Structural Metal Framing	05 10	
Structural Steel Framing	05 12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0433 LF 1-3/4" x 1-3/4" x 1/8" Thick, Plain Steel Angle Iron .....	6.59	3.28
For >100 To 250, Deduct	-0.33	
For >250 To 500, Deduct	-0.49	
For >500 To 1,000, Deduct	-0.77	
For >1,000, Deduct	-1.04	
For 316 Stainless Steel, Add	7.07	
For Aluminum, Add	0.40	
For Galvanized Steel, Add	1.37	
For 304 Stainless Steel, Add	6.30	
For High Strength Steel (HSS), Add	1.32	
05 12 23 00-0434 LF 2" x 1-1/2" x 1/8" Thick, Plain Steel Angle Iron .....	6.59	3.28
For >100 To 250, Deduct	-0.33	
For >250 To 500, Deduct	-0.49	
For >500 To 1,000, Deduct	-0.77	
For >1,000, Deduct	-1.04	
For 316 Stainless Steel, Add	7.07	
For Aluminum, Add	0.40	
For Galvanized Steel, Add	1.37	
For 304 Stainless Steel, Add	6.30	
For High Strength Steel (HSS), Add	1.32	
05 12 23 00-0435 LF 2" x 2" x 1/8" Thick, Plain Steel Angle Iron .....	7.06	3.40
For >100 To 250, Deduct	-0.34	
For >250 To 500, Deduct	-0.52	
For >500 To 1,000, Deduct	-0.81	
For >1,000, Deduct	-1.10	
For 316 Stainless Steel, Add	8.10	
For Aluminum, Add	0.46	
For Galvanized Steel, Add	1.57	
For 304 Stainless Steel, Add	7.21	
For High Strength Steel (HSS), Add	1.41	
<b>05 12 23 00-0436 3/16" Thick</b> <small>(05 12 23 00-0423)</small>		
05 12 23 00-0437 LF 1" x 1" x 3/16" Thick, Plain Steel Angle Iron .....	5.33	2.66
For >100 To 250, Deduct	-0.27	
For >250 To 500, Deduct	-0.40	
For >500 To 1,000, Deduct	-0.62	
For >1,000, Deduct	-0.84	
For 316 Stainless Steel, Add	5.70	
For Aluminum, Add	0.32	
For Galvanized Steel, Add	1.10	
For 304 Stainless Steel, Add	5.07	
For High Strength Steel (HSS), Add	1.07	
05 12 23 00-0438 LF 1-1/4" x 1-1/4" x 3/16" Thick, Plain Steel Angle Iron .....	6.44	3.12
For >100 To 250, Deduct	-0.31	
For >250 To 500, Deduct	-0.47	
For >500 To 1,000, Deduct	-0.74	
For >1,000, Deduct	-1.00	
For 316 Stainless Steel, Add	7.26	
For Aluminum, Add	0.41	
For Galvanized Steel, Add	1.41	
For 304 Stainless Steel, Add	6.47	
For High Strength Steel (HSS), Add	1.29	
05 12 23 00-0439 LF 1-1/2" x 1" x 3/16" Thick, Plain Steel Angle Iron .....	6.44	3.12
For >100 To 250, Deduct	-0.31	
For >250 To 500, Deduct	-0.47	
For >500 To 1,000, Deduct	-0.74	
For >1,000, Deduct	-1.00	
For 316 Stainless Steel, Add	7.26	
For Aluminum, Add	0.41	
For Galvanized Steel, Add	1.41	
For 304 Stainless Steel, Add	6.47	
For High Strength Steel (HSS), Add	1.29	
05 12 23 00-0440 LF 1-1/2" x 1-1/2" x 3/16" Thick, Plain Steel Angle Iron .....	7.22	3.36
For >100 To 250, Deduct	-0.33	
For >250 To 500, Deduct	-0.52	
For >500 To 1,000, Deduct	-0.81	
For >1,000, Deduct	-1.10	
For 316 Stainless Steel, Add	8.83	
For Aluminum, Add	0.50	
For Galvanized Steel, Add	1.71	
For 304 Stainless Steel, Add	7.87	
For High Strength Steel (HSS), Add	1.44	
05 12 23 00-0441 LF 1-3/4" x 1-3/4" x 3/16" Thick, Plain Steel Angle Iron .....	7.88	3.47
For >100 To 250, Deduct	-0.35	
For >250 To 500, Deduct	-0.54	
For >500 To 1,000, Deduct	-0.86	
For >1,000, Deduct	-1.17	
For 316 Stainless Steel, Add	10.40	
For Aluminum, Add	0.59	
For Galvanized Steel, Add	2.02	
For 304 Stainless Steel, Add	9.26	
For High Strength Steel (HSS), Add	1.58	

**05 Metals****05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0442	LF		2" x 1-1/2" x 3/16" Thick, Plain Steel Angle Iron .....	7.88	3.48
			<i>For &gt;100 To 250, Deduct</i>	-0.35	
			<i>For &gt;250 To 500, Deduct</i>	-0.54	
			<i>For &gt;500 To 1,000, Deduct</i>	-0.86	
			<i>For &gt;1,000, Deduct</i>	-1.17	
			<i>For 316 Stainless Steel, Add</i>	10.40	
			<i>For Aluminum, Add</i>	0.59	
			<i>For Galvanized Steel, Add</i>	2.02	
			<i>For 304 Stainless Steel, Add</i>	9.26	
			<i>For High Strength Steel (HSS), Add</i>	1.58	
05 12 23 00-0443	LF		2" x 2" x 3/16" Thick, Plain Steel Angle Iron .....	8.54	3.59
			<i>For &gt;100 To 250, Deduct</i>	-0.36	
			<i>For &gt;250 To 500, Deduct</i>	-0.57	
			<i>For &gt;500 To 1,000, Deduct</i>	-0.91	
			<i>For &gt;1,000, Deduct</i>	-1.24	
			<i>For 316 Stainless Steel, Add</i>	12.00	
			<i>For Aluminum, Add</i>	0.68	
			<i>For Galvanized Steel, Add</i>	2.33	
			<i>For 304 Stainless Steel, Add</i>	10.69	
			<i>For High Strength Steel (HSS), Add</i>	1.71	
05 12 23 00-0444	LF		2-1/2" x 2" x 3/16" Thick, Plain Steel Angle Iron .....	9.35	3.85
			<i>For &gt;100 To 250, Deduct</i>	-0.38	
			<i>For &gt;250 To 500, Deduct</i>	-0.62	
			<i>For &gt;500 To 1,000, Deduct</i>	-0.98	
			<i>For &gt;1,000, Deduct</i>	-1.34	
			<i>For 316 Stainless Steel, Add</i>	13.50	
			<i>For Aluminum, Add</i>	0.76	
			<i>For Galvanized Steel, Add</i>	2.62	
			<i>For 304 Stainless Steel, Add</i>	12.03	
			<i>For High Strength Steel (HSS), Add</i>	1.87	
05 12 23 00-0445	LF		2-1/2" x 2-1/2" x 3/16" Thick, Plain Steel Angle Iron .....	10.22	4.12
			<i>For &gt;100 To 250, Deduct</i>	-0.41	
			<i>For &gt;250 To 500, Deduct</i>	-0.67	
			<i>For &gt;500 To 1,000, Deduct</i>	-1.06	
			<i>For &gt;1,000, Deduct</i>	-1.45	
			<i>For 316 Stainless Steel, Add</i>	15.14	
			<i>For Aluminum, Add</i>	0.85	
			<i>For Galvanized Steel, Add</i>	2.93	
			<i>For 304 Stainless Steel, Add</i>	13.48	
			<i>For High Strength Steel (HSS), Add</i>	2.04	
05 12 23 00-0446	LF		3" x 2" x 3/16" Thick, Plain Steel Angle Iron .....	10.20	4.12
			<i>For &gt;100 To 250, Deduct</i>	-0.41	
			<i>For &gt;250 To 500, Deduct</i>	-0.67	
			<i>For &gt;500 To 1,000, Deduct</i>	-1.06	
			<i>For &gt;1,000, Deduct</i>	-1.45	
			<i>For 316 Stainless Steel, Add</i>	15.07	
			<i>For Aluminum, Add</i>	0.85	
			<i>For Galvanized Steel, Add</i>	2.92	
			<i>For 304 Stainless Steel, Add</i>	13.42	
			<i>For High Strength Steel (HSS), Add</i>	2.04	
05 12 23 00-0447	LF		3" x 2-1/2" x 3/16" Thick, Plain Steel Angle Iron .....	11.27	4.55
			<i>For &gt;100 To 250, Deduct</i>	-0.46	
			<i>For &gt;250 To 500, Deduct</i>	-0.74	
			<i>For &gt;500 To 1,000, Deduct</i>	-1.17	
			<i>For &gt;1,000, Deduct</i>	-1.60	
			<i>For 316 Stainless Steel, Add</i>	16.64	
			<i>For Aluminum, Add</i>	0.94	
			<i>For Galvanized Steel, Add</i>	3.22	
			<i>For 304 Stainless Steel, Add</i>	14.82	
			<i>For High Strength Steel (HSS), Add</i>	2.25	
05 12 23 00-0448	LF		3" x 3" x 3/16" Thick, Plain Steel Angle Iron .....	12.33	4.98
			<i>For &gt;100 To 250, Deduct</i>	-0.50	
			<i>For &gt;250 To 500, Deduct</i>	-0.81	
			<i>For &gt;500 To 1,000, Deduct</i>	-1.28	
			<i>For &gt;1,000, Deduct</i>	-1.75	
			<i>For 316 Stainless Steel, Add</i>	18.21	
			<i>For Aluminum, Add</i>	1.02	
			<i>For Galvanized Steel, Add</i>	3.53	
			<i>For 304 Stainless Steel, Add</i>	16.22	
			<i>For High Strength Steel (HSS), Add</i>	2.47	
05 12 23 00-0449			<b>1/4" Thick</b> (05 12 23 00-0423)		
05 12 23 00-0450	LF		1" x 1" x 1/4" Thick, Plain Steel Angle Iron .....	6.36	3.07
			<i>For &gt;100 To 250, Deduct</i>	-0.31	
			<i>For &gt;250 To 500, Deduct</i>	-0.47	
			<i>For &gt;500 To 1,000, Deduct</i>	-0.73	
			<i>For &gt;1,000, Deduct</i>	-0.99	
			<i>For 316 Stainless Steel, Add</i>	7.23	
			<i>For Aluminum, Add</i>	0.41	
			<i>For Galvanized Steel, Add</i>	1.40	
			<i>For 304 Stainless Steel, Add</i>	6.44	
			<i>For High Strength Steel (HSS), Add</i>	1.27	





<b>Metals</b>	<b>05</b>	<b>05</b>
Structural Metal Framing	05 10	
Structural Steel Framing	05 12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0451 LF 1-1/4" x 1-1/4" x 1/4" Thick, Plain Steel Angle Iron .....	7.33	3.30
For >100 To 250, Deduct	-0.33	
For >250 To 500, Deduct	-0.51	
For >500 To 1,000, Deduct	-0.81	
For >1,000, Deduct	-1.10	
For 316 Stainless Steel, Add	9.34	
For Aluminum, Add	0.53	
For Galvanized Steel, Add	1.81	
For 304 Stainless Steel, Add	8.32	
For High Strength Steel (HSS), Add	1.47	
05 12 23 00-0452 LF 1-1/2" x 1" x 1/4" Thick, Plain Steel Angle Iron .....	7.32	3.30
For >100 To 250, Deduct	-0.33	
For >250 To 500, Deduct	-0.51	
For >500 To 1,000, Deduct	-0.81	
For >1,000, Deduct	-1.10	
For 316 Stainless Steel, Add	9.31	
For Aluminum, Add	0.52	
For Galvanized Steel, Add	1.80	
For 304 Stainless Steel, Add	8.29	
For High Strength Steel (HSS), Add	1.46	
05 12 23 00-0453 LF 1-1/2" x 1-1/2" x 1/4" Thick, Plain Steel Angle Iron .....	8.27	3.54
For >100 To 250, Deduct	-0.35	
For >250 To 500, Deduct	-0.56	
For >500 To 1,000, Deduct	-0.89	
For >1,000, Deduct	-1.21	
For 316 Stainless Steel, Add	11.36	
For Aluminum, Add	0.64	
For Galvanized Steel, Add	2.20	
For 304 Stainless Steel, Add	10.12	
For High Strength Steel (HSS), Add	1.65	
05 12 23 00-0454 LF 1-3/4" x 1-3/4" x 1/4" Thick, Plain Steel Angle Iron .....	9.13	3.65
For >100 To 250, Deduct	-0.37	
For >250 To 500, Deduct	-0.59	
For >500 To 1,000, Deduct	-0.94	
For >1,000, Deduct	-1.29	
For 316 Stainless Steel, Add	13.63	
For Aluminum, Add	0.77	
For Galvanized Steel, Add	2.64	
For 304 Stainless Steel, Add	12.14	
For High Strength Steel (HSS), Add	1.83	
05 12 23 00-0455 LF 2" x 1" x 1/4" Thick, Plain Steel Angle Iron .....	8.07	3.43
For >100 To 250, Deduct	-0.34	
For >250 To 500, Deduct	-0.54	
For >500 To 1,000, Deduct	-0.85	
For >1,000, Deduct	-1.17	
For 316 Stainless Steel, Add	11.46	
For Aluminum, Add	0.64	
For Galvanized Steel, Add	2.22	
For 304 Stainless Steel, Add	10.20	
For High Strength Steel (HSS), Add	1.61	
05 12 23 00-0456 LF 2" x 1-1/2" x 1/4" Thick, Plain Steel Angle Iron .....	9.11	3.65
For >100 To 250, Deduct	-0.37	
For >250 To 500, Deduct	-0.59	
For >500 To 1,000, Deduct	-0.94	
For >1,000, Deduct	-1.29	
For 316 Stainless Steel, Add	13.57	
For Aluminum, Add	0.76	
For Galvanized Steel, Add	2.63	
For 304 Stainless Steel, Add	12.08	
For High Strength Steel (HSS), Add	1.82	
05 12 23 00-0457 LF 2" x 2" x 1/4" Thick, Plain Steel Angle Iron .....	9.92	3.77
For >100 To 250, Deduct	-0.38	
For >250 To 500, Deduct	-0.63	
For >500 To 1,000, Deduct	-1.00	
For >1,000, Deduct	-1.37	
For 316 Stainless Steel, Add	15.65	
For Aluminum, Add	0.88	
For Galvanized Steel, Add	3.03	
For 304 Stainless Steel, Add	13.94	
For High Strength Steel (HSS), Add	1.98	
05 12 23 00-0458 LF 2-1/2" x 2" x 1/4" Thick, Plain Steel Angle Iron .....	11.13	4.18
For >100 To 250, Deduct	-0.42	
For >250 To 500, Deduct	-0.70	
For >500 To 1,000, Deduct	-1.11	
For >1,000, Deduct	-1.53	
For 316 Stainless Steel, Add	17.79	
For Aluminum, Add	1.00	
For Galvanized Steel, Add	3.45	
For 304 Stainless Steel, Add	15.85	
For High Strength Steel (HSS), Add	2.23	

**05 Metals****05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0459	LF		2-1/2" x 2-1/2" x 1/4" Thick, Plain Steel Angle Iron .....	12.39	4.58
			<i>For &gt;100 To 250, Deduct</i>	-0.46	
			<i>For &gt;250 To 500, Deduct</i>	-0.77	
			<i>For &gt;500 To 1,000, Deduct</i>	-1.23	
			<i>For &gt;1,000, Deduct</i>	-1.69	
			<i>For 316 Stainless Steel, Add</i>	20.10	
			<i>For Aluminum, Add</i>	1.13	
			<i>For Galvanized Steel, Add</i>	3.89	
			<i>For 304 Stainless Steel, Add</i>	17.90	
			<i>For High Strength Steel (HSS), Add</i>	2.48	
05 12 23 00-0460	LF		3" x 2" x 1/4" Thick, Plain Steel Angle Iron.....	12.39	4.58
			<i>For &gt;100 To 250, Deduct</i>	-0.46	
			<i>For &gt;250 To 500, Deduct</i>	-0.77	
			<i>For &gt;500 To 1,000, Deduct</i>	-1.23	
			<i>For &gt;1,000, Deduct</i>	-1.69	
			<i>For 316 Stainless Steel, Add</i>	20.10	
			<i>For Aluminum, Add</i>	1.13	
			<i>For Galvanized Steel, Add</i>	3.89	
			<i>For 304 Stainless Steel, Add</i>	17.90	
			<i>For High Strength Steel (HSS), Add</i>	2.48	
05 12 23 00-0461	LF		3" x 2-1/2" x 1/4" Thick, Plain Steel Angle Iron .....	13.69	5.08
			<i>For &gt;100 To 250, Deduct</i>	-0.51	
			<i>For &gt;250 To 500, Deduct</i>	-0.85	
			<i>For &gt;500 To 1,000, Deduct</i>	-1.36	
			<i>For &gt;1,000, Deduct</i>	-1.87	
			<i>For 316 Stainless Steel, Add</i>	22.11	
			<i>For Aluminum, Add</i>	1.24	
			<i>For Galvanized Steel, Add</i>	4.28	
			<i>For 304 Stainless Steel, Add</i>	19.69	
			<i>For High Strength Steel (HSS), Add</i>	2.74	
05 12 23 00-0462	LF		3" x 3" x 1/4" Thick, Plain Steel Angle Iron.....	14.95	5.58
			<i>For &gt;100 To 250, Deduct</i>	-0.56	
			<i>For &gt;250 To 500, Deduct</i>	-0.93	
			<i>For &gt;500 To 1,000, Deduct</i>	-1.49	
			<i>For &gt;1,000, Deduct</i>	-2.05	
			<i>For 316 Stainless Steel, Add</i>	24.00	
			<i>For Aluminum, Add</i>	1.35	
			<i>For Galvanized Steel, Add</i>	4.65	
			<i>For 304 Stainless Steel, Add</i>	21.38	
			<i>For High Strength Steel (HSS), Add</i>	2.99	
05 12 23 00-0463	LF		3-1/2" x 3" x 1/4" Thick, Plain Steel Angle Iron .....	16.28	6.01
			<i>For &gt;100 To 250, Deduct</i>	-0.60	
			<i>For &gt;250 To 500, Deduct</i>	-1.01	
			<i>For &gt;500 To 1,000, Deduct</i>	-1.62	
			<i>For &gt;1,000, Deduct</i>	-2.22	
			<i>For 316 Stainless Steel, Add</i>	26.46	
			<i>For Aluminum, Add</i>	1.49	
			<i>For Galvanized Steel, Add</i>	5.13	
			<i>For 304 Stainless Steel, Add</i>	23.57	
			<i>For High Strength Steel (HSS), Add</i>	3.26	
05 12 23 00-0464	LF		3-1/2" x 3-1/2" x 1/4" Thick, Plain Steel Angle Iron .....	17.26	0.62
			<i>For &gt;100 To 250, Deduct</i>	-0.63	
			<i>For &gt;250 To 500, Deduct</i>	-1.06	
			<i>For &gt;500 To 1,000, Deduct</i>	-1.70	
			<i>For &gt;1,000, Deduct</i>	-2.34	
			<i>For 316 Stainless Steel, Add</i>	28.48	
			<i>For Aluminum, Add</i>	1.60	
			<i>For Galvanized Steel, Add</i>	5.52	
			<i>For 304 Stainless Steel, Add</i>	25.37	
			<i>For High Strength Steel (HSS), Add</i>	3.45	
05 12 23 00-0465	LF		4" x 3" x 1/4" Thick, Plain Steel Angle Iron.....	17.26	6.28
			<i>For &gt;100 To 250, Deduct</i>	-0.63	
			<i>For &gt;250 To 500, Deduct</i>	-1.06	
			<i>For &gt;500 To 1,000, Deduct</i>	-1.70	
			<i>For &gt;1,000, Deduct</i>	-2.34	
			<i>For 316 Stainless Steel, Add</i>	28.48	
			<i>For Aluminum, Add</i>	1.60	
			<i>For Galvanized Steel, Add</i>	5.52	
			<i>For 304 Stainless Steel, Add</i>	25.37	
			<i>For High Strength Steel (HSS), Add</i>	3.45	
05 12 23 00-0466	LF		4" x 3-1/2" x 1/4" Thick, Plain Steel Angle Iron .....	18.21	6.54
			<i>For &gt;100 To 250, Deduct</i>	-0.65	
			<i>For &gt;250 To 500, Deduct</i>	-1.11	
			<i>For &gt;500 To 1,000, Deduct</i>	-1.78	
			<i>For &gt;1,000, Deduct</i>	-2.46	
			<i>For 316 Stainless Steel, Add</i>	30.37	
			<i>For Aluminum, Add</i>	1.71	
			<i>For Galvanized Steel, Add</i>	5.88	
			<i>For 304 Stainless Steel, Add</i>	27.05	
			<i>For High Strength Steel (HSS), Add</i>	3.64	



<b>Metals</b>	<b>05</b>	<b>05</b>
Structural Metal Framing	05 10	
Structural Steel Framing	05 12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0467 LF 4" x 4" x 1/4" Thick, Plain Steel Angle Iron .....	19.22	6.81
For >100 To 250, Deduct	-0.68	
For >250 To 500, Deduct	-1.16	
For >500 To 1,000, Deduct	-1.87	
For >1,000, Deduct	-2.58	
For 316 Stainless Steel, Add	32.42	
For Aluminum, Add	1.82	
For Galvanized Steel, Add	6.28	
For 304 Stainless Steel, Add	28.87	
For High Strength Steel (HSS), Add	3.84	
05 12 23 00-0468 LF 5" x 3" x 1/4" Thick, Plain Steel Angle Iron .....	19.22	6.81
For >100 To 250, Deduct	-0.68	
For >250 To 500, Deduct	-1.16	
For >500 To 1,000, Deduct	-1.87	
For >1,000, Deduct	-2.58	
For 316 Stainless Steel, Add	32.42	
For Aluminum, Add	1.82	
For Galvanized Steel, Add	6.28	
For 304 Stainless Steel, Add	28.87	
For High Strength Steel (HSS), Add	3.84	
05 12 23 00-0469 LF 5" x 3-1/2" x 1/4" Thick, Plain Steel Angle Iron .....	20.29	7.18
For >100 To 250, Deduct	-0.72	
For >250 To 500, Deduct	-1.23	
For >500 To 1,000, Deduct	-1.97	
For >1,000, Deduct	-2.72	
For 316 Stainless Steel, Add	34.30	
For Aluminum, Add	1.93	
For Galvanized Steel, Add	6.65	
For 304 Stainless Steel, Add	30.55	
For High Strength Steel (HSS), Add	4.06	
<b>05 12 23 00-0470 5/16" Thick</b> <small>(05 12 23 00-0423)</small>		
05 12 23 00-0471 LF 2-1/2" x 2" x 5/16" Thick, Plain Steel Angle Iron .....	13.38	4.86
For >100 To 250, Deduct	-0.49	
For >250 To 500, Deduct	-0.82	
For >500 To 1,000, Deduct	-1.32	
For >1,000, Deduct	-1.81	
For 316 Stainless Steel, Add	22.11	
For Aluminum, Add	1.24	
For Galvanized Steel, Add	4.28	
For 304 Stainless Steel, Add	19.69	
For High Strength Steel (HSS), Add	2.68	
05 12 23 00-0472 LF 2-1/2" x 2-1/2" x 5/16" Thick, Plain Steel Angle Iron .....	14.53	5.15
For >100 To 250, Deduct	-0.51	
For >250 To 500, Deduct	-0.88	
For >500 To 1,000, Deduct	-1.41	
For >1,000, Deduct	-1.95	
For 316 Stainless Steel, Add	24.54	
For Aluminum, Add	1.38	
For Galvanized Steel, Add	4.76	
For 304 Stainless Steel, Add	21.86	
For High Strength Steel (HSS), Add	2.91	
05 12 23 00-0473 LF 3" x 2" x 5/16" Thick, Plain Steel Angle Iron .....	14.53	5.15
For >100 To 250, Deduct	-0.51	
For >250 To 500, Deduct	-0.88	
For >500 To 1,000, Deduct	-1.41	
For >1,000, Deduct	-1.95	
For 316 Stainless Steel, Add	24.54	
For Aluminum, Add	1.38	
For Galvanized Steel, Add	4.76	
For 304 Stainless Steel, Add	21.86	
For High Strength Steel (HSS), Add	2.91	
05 12 23 00-0474 LF 3" x 2-1/2" x 5/16" Thick, Plain Steel Angle Iron .....	16.13	5.64
For >100 To 250, Deduct	-0.56	
For >250 To 500, Deduct	-0.97	
For >500 To 1,000, Deduct	-1.56	
For >1,000, Deduct	-2.15	
For 316 Stainless Steel, Add	27.52	
For Aluminum, Add	1.55	
For Galvanized Steel, Add	5.33	
For 304 Stainless Steel, Add	24.51	
For High Strength Steel (HSS), Add	3.23	
05 12 23 00-0475 LF 3" x 3" x 5/16" Thick, Plain Steel Angle Iron .....	17.54	6.14
For >100 To 250, Deduct	-0.61	
For >250 To 500, Deduct	-1.05	
For >500 To 1,000, Deduct	-1.70	
For >1,000, Deduct	-2.34	
For 316 Stainless Steel, Add	29.95	
For Aluminum, Add	1.68	
For Galvanized Steel, Add	5.80	
For 304 Stainless Steel, Add	26.68	
For High Strength Steel (HSS), Add	3.51	

**05 Metals****05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0476	LF		3-1/2" x 3" x 5/16" Thick, Plain Steel Angle Iron .....	18.72	6.45
			<i>For &gt;100 To 250, Deduct</i>	-0.64	
			<i>For &gt;250 To 500, Deduct</i>	-1.11	
			<i>For &gt;500 To 1,000, Deduct</i>	-1.80	
			<i>For &gt;1,000, Deduct</i>	-2.48	
			<i>For 316 Stainless Steel, Add</i>	32.42	
			<i>For Aluminum, Add</i>	1.82	
			<i>For Galvanized Steel, Add</i>	6.28	
			<i>For 304 Stainless Steel, Add</i>	28.87	
			<i>For High Strength Steel (HSS), Add</i>	3.74	
05 12 23 00-0477	LF		3-1/2" x 3-1/2" x 5/16" Thick, Plain Steel Angle Iron .....	20.04	6.76
			<i>For &gt;100 To 250, Deduct</i>	-0.68	
			<i>For &gt;250 To 500, Deduct</i>	-1.18	
			<i>For &gt;500 To 1,000, Deduct</i>	-1.90	
			<i>For &gt;1,000, Deduct</i>	-2.63	
			<i>For 316 Stainless Steel, Add</i>	35.26	
			<i>For Aluminum, Add</i>	1.98	
			<i>For Galvanized Steel, Add</i>	6.83	
			<i>For 304 Stainless Steel, Add</i>	31.41	
			<i>For High Strength Steel (HSS), Add</i>	4.01	
05 12 23 00-0478	LF		4" x 3" x 5/16" Thick, Plain Steel Angle Iron .....	20.04	6.76
			<i>For &gt;100 To 250, Deduct</i>	-0.68	
			<i>For &gt;250 To 500, Deduct</i>	-1.18	
			<i>For &gt;500 To 1,000, Deduct</i>	-1.90	
			<i>For &gt;1,000, Deduct</i>	-2.63	
			<i>For 316 Stainless Steel, Add</i>	35.26	
			<i>For Aluminum, Add</i>	1.98	
			<i>For Galvanized Steel, Add</i>	6.83	
			<i>For 304 Stainless Steel, Add</i>	31.41	
			<i>For High Strength Steel (HSS), Add</i>	4.01	
05 12 23 00-0479	LF		4" x 3-1/2" x 5/16" Thick, Plain Steel Angle Iron .....	21.32	7.15
			<i>For &gt;100 To 250, Deduct</i>	-0.71	
			<i>For &gt;250 To 500, Deduct</i>	-1.25	
			<i>For &gt;500 To 1,000, Deduct</i>	-2.02	
			<i>For &gt;1,000, Deduct</i>	-2.79	
			<i>For 316 Stainless Steel, Add</i>	37.73	
			<i>For Aluminum, Add</i>	2.12	
			<i>For Galvanized Steel, Add</i>	7.31	
			<i>For 304 Stainless Steel, Add</i>	33.60	
			<i>For High Strength Steel (HSS), Add</i>	4.26	
05 12 23 00-0480	LF		4" x 4" x 5/16" Thick, Plain Steel Angle Iron .....	22.55	7.47
			<i>For &gt;100 To 250, Deduct</i>	-0.75	
			<i>For &gt;250 To 500, Deduct</i>	-1.31	
			<i>For &gt;500 To 1,000, Deduct</i>	-2.12	
			<i>For &gt;1,000, Deduct</i>	-2.94	
			<i>For 316 Stainless Steel, Add</i>	40.29	
			<i>For Aluminum, Add</i>	2.27	
			<i>For Galvanized Steel, Add</i>	7.81	
			<i>For 304 Stainless Steel, Add</i>	35.88	
			<i>For High Strength Steel (HSS), Add</i>	4.51	
05 12 23 00-0481	LF		5" x 3" x 5/16" Thick, Plain Steel Angle Iron .....	22.55	7.47
			<i>For &gt;100 To 250, Deduct</i>	-0.75	
			<i>For &gt;250 To 500, Deduct</i>	-1.31	
			<i>For &gt;500 To 1,000, Deduct</i>	-2.12	
			<i>For &gt;1,000, Deduct</i>	-2.94	
			<i>For 316 Stainless Steel, Add</i>	40.29	
			<i>For Aluminum, Add</i>	2.27	
			<i>For Galvanized Steel, Add</i>	7.81	
			<i>For 304 Stainless Steel, Add</i>	35.88	
			<i>For High Strength Steel (HSS), Add</i>	4.51	
05 12 23 00-0482	LF		5" x 3-1/2" x 5/16" Thick, Plain Steel Angle Iron .....	23.70	7.78
			<i>For &gt;100 To 250, Deduct</i>	-0.78	
			<i>For &gt;250 To 500, Deduct</i>	-1.37	
			<i>For &gt;500 To 1,000, Deduct</i>	-2.22	
			<i>For &gt;1,000, Deduct</i>	-3.08	
			<i>For 316 Stainless Steel, Add</i>	42.62	
			<i>For Aluminum, Add</i>	2.40	
			<i>For Galvanized Steel, Add</i>	8.26	
			<i>For 304 Stainless Steel, Add</i>	37.96	
			<i>For High Strength Steel (HSS), Add</i>	4.74	
05 12 23 00-0483	LF		5" x 5" x 5/16" Thick, Plain Steel Angle Iron .....	26.62	8.11
			<i>For &gt;100 To 250, Deduct</i>	-0.81	
			<i>For &gt;250 To 500, Deduct</i>	-1.48	
			<i>For &gt;500 To 1,000, Deduct</i>	-2.41	
			<i>For &gt;1,000, Deduct</i>	-3.35	
			<i>For 316 Stainless Steel, Add</i>	50.59	
			<i>For Aluminum, Add</i>	2.85	
			<i>For Galvanized Steel, Add</i>	9.80	
			<i>For 304 Stainless Steel, Add</i>	45.06	
			<i>For High Strength Steel (HSS), Add</i>	5.32	



	<b>Metals</b>	<b>05</b>
	Structural Metal Framing	05 10
	Structural Steel Framing	05 12

05

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0484 LF 6" x 3-1/2" x 5/16" Thick, Plain Steel Angle Iron .....	26.27	8.45
For >100 To 250, Deduct	-0.85	
For >250 To 500, Deduct	-1.50	
For >500 To 1,000, Deduct	-2.44	
For >1,000, Deduct	-3.38	
For 316 Stainless Steel, Add	48.00	
For Aluminum, Add	2.70	
For Galvanized Steel, Add	9.30	
For 304 Stainless Steel, Add	42.75	
For High Strength Steel (HSS), Add	5.25	
<b>05 12 23 00-0485 3/8" Thick</b> <small>(05 12 23 00-0423)</small>		
05 12 23 00-0486 LF 3" x 2" x 3/8" Thick, Plain Steel Angle Iron .....	16.21	5.39
For >100 To 250, Deduct	-0.54	
For >250 To 500, Deduct	-0.94	
For >500 To 1,000, Deduct	-1.53	
For >1,000, Deduct	-2.11	
For 316 Stainless Steel, Add	28.90	
For Aluminum, Add	1.63	
For Galvanized Steel, Add	5.60	
For 304 Stainless Steel, Add	25.74	
For High Strength Steel (HSS), Add	3.24	
05 12 23 00-0487 LF 3" x 2-1/2" x 3/8" Thick, Plain Steel Angle Iron .....	17.91	5.83
For >100 To 250, Deduct	-0.58	
For >250 To 500, Deduct	-1.03	
For >500 To 1,000, Deduct	-1.67	
For >1,000, Deduct	-2.32	
For 316 Stainless Steel, Add	32.42	
For Aluminum, Add	1.82	
For Galvanized Steel, Add	6.28	
For 304 Stainless Steel, Add	28.87	
For High Strength Steel (HSS), Add	3.58	
05 12 23 00-0488 LF 3" x 3" x 3/8" Thick, Plain Steel Angle Iron .....	19.40	6.29
For >100 To 250, Deduct	-0.63	
For >250 To 500, Deduct	-1.11	
For >500 To 1,000, Deduct	-1.81	
For >1,000, Deduct	-2.50	
For 316 Stainless Steel, Add	35.26	
For Aluminum, Add	1.98	
For Galvanized Steel, Add	6.83	
For 304 Stainless Steel, Add	31.41	
For High Strength Steel (HSS), Add	3.88	
05 12 23 00-0489 LF 3-1/2" x 3" x 3/8" Thick, Plain Steel Angle Iron .....	20.74	6.46
For >100 To 250, Deduct	-0.65	
For >250 To 500, Deduct	-1.16	
For >500 To 1,000, Deduct	-1.90	
For >1,000, Deduct	-2.63	
For 316 Stainless Steel, Add	38.82	
For Aluminum, Add	2.18	
For Galvanized Steel, Add	7.52	
For 304 Stainless Steel, Add	34.57	
For High Strength Steel (HSS), Add	4.15	
05 12 23 00-0490 LF 3-1/2" x 3-1/2" x 3/8" Thick, Plain Steel Angle Iron .....	22.09	6.81
For >100 To 250, Deduct	-0.68	
For >250 To 500, Deduct	-1.23	
For >500 To 1,000, Deduct	-2.01	
For >1,000, Deduct	-2.79	
For 316 Stainless Steel, Add	41.63	
For Aluminum, Add	2.34	
For Galvanized Steel, Add	8.07	
For 304 Stainless Steel, Add	37.08	
For High Strength Steel (HSS), Add	4.42	
05 12 23 00-0491 LF 4" x 3" x 3/8" Thick, Plain Steel Angle Iron .....	22.09	6.81
For >100 To 250, Deduct	-0.68	
For >250 To 500, Deduct	-1.23	
For >500 To 1,000, Deduct	-2.01	
For >1,000, Deduct	-2.79	
For 316 Stainless Steel, Add	41.63	
For Aluminum, Add	2.34	
For Galvanized Steel, Add	8.07	
For 304 Stainless Steel, Add	37.08	
For High Strength Steel (HSS), Add	4.42	
05 12 23 00-0492 LF 4" x 3-1/2" x 3/8" Thick, Plain Steel Angle Iron .....	23.82	7.43
For >100 To 250, Deduct	-0.74	
For >250 To 500, Deduct	-1.34	
For >500 To 1,000, Deduct	-2.18	
For >1,000, Deduct	-3.02	
For 316 Stainless Steel, Add	44.58	
For Aluminum, Add	2.51	
For Galvanized Steel, Add	8.64	
For 304 Stainless Steel, Add	39.70	
For High Strength Steel (HSS), Add	4.76	

**05 Metals****05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0493 LF 4" x 4" x 3/8" Thick, Plain Steel Angle Iron.....	25.19	7.64
For >100 To 250, Deduct	-0.76	
For >250 To 500, Deduct	-1.39	
For >500 To 1,000, Deduct	-2.28	
For >1,000, Deduct	-3.16	
For 316 Stainless Steel, Add	48.00	
For Aluminum, Add	2.70	
For Galvanized Steel, Add	9.30	
For 304 Stainless Steel, Add	42.75	
For High Strength Steel (HSS), Add	5.04	
05 12 23 00-0494 LF 5" x 3" x 3/8" Thick, Plain Steel Angle Iron.....	25.59	7.94
For >100 To 250, Deduct	-0.79	
For >250 To 500, Deduct	-1.43	
For >500 To 1,000, Deduct	-2.34	
For >1,000, Deduct	-3.24	
For 316 Stainless Steel, Add	48.00	
For Aluminum, Add	2.70	
For Galvanized Steel, Add	9.30	
For 304 Stainless Steel, Add	42.75	
For High Strength Steel (HSS), Add	5.12	
05 12 23 00-0495 LF 5" x 3-1/2" x 3/8" Thick, Plain Steel Angle Iron .....	27.33	8.55
For >100 To 250, Deduct	-0.86	
For >250 To 500, Deduct	-1.54	
For >500 To 1,000, Deduct	-2.51	
For >1,000, Deduct	-3.48	
For 316 Stainless Steel, Add	50.94	
For Aluminum, Add	2.87	
For Galvanized Steel, Add	9.87	
For 304 Stainless Steel, Add	45.37	
For High Strength Steel (HSS), Add	5.47	
05 12 23 00-0496 LF 5" x 5" x 3/8" Thick, Plain Steel Angle Iron.....	32.17	9.98
For >100 To 250, Deduct	-1.00	
For >250 To 500, Deduct	-1.80	
For >500 To 1,000, Deduct	-2.94	
For >1,000, Deduct	-4.07	
For 316 Stainless Steel, Add	60.42	
For Aluminum, Add	3.40	
For Galvanized Steel, Add	11.71	
For 304 Stainless Steel, Add	53.81	
For High Strength Steel (HSS), Add	6.43	
05 12 23 00-0497 LF 6" x 3-1/2" x 3/8" Thick, Plain Steel Angle Iron .....	30.27	9.27
For >100 To 250, Deduct	-0.93	
For >250 To 500, Deduct	-1.68	
For >500 To 1,000, Deduct	-2.75	
For >1,000, Deduct	-3.82	
For 316 Stainless Steel, Add	57.31	
For Aluminum, Add	3.22	
For Galvanized Steel, Add	11.10	
For 304 Stainless Steel, Add	51.04	
For High Strength Steel (HSS), Add	6.05	
05 12 23 00-0498 LF 6" x 4" x 3/8" Thick, Plain Steel Angle Iron.....	32.17	9.98
For >100 To 250, Deduct	-1.00	
For >250 To 500, Deduct	-1.80	
For >500 To 1,000, Deduct	-2.94	
For >1,000, Deduct	-4.07	
For 316 Stainless Steel, Add	60.42	
For Aluminum, Add	3.40	
For Galvanized Steel, Add	11.71	
For 304 Stainless Steel, Add	53.81	
For High Strength Steel (HSS), Add	6.43	
05 12 23 00-0499 LF 6" x 6" x 3/8" Thick, Plain Steel Angle Iron.....	38.82	11.97
For >100 To 250, Deduct	-1.20	
For >250 To 500, Deduct	-2.17	
For >500 To 1,000, Deduct	-3.54	
For >1,000, Deduct	-4.91	
For 316 Stainless Steel, Add	73.18	
For Aluminum, Add	4.12	
For Galvanized Steel, Add	14.18	
For 304 Stainless Steel, Add	65.18	
For High Strength Steel (HSS), Add	7.76	
05 12 23 00-0500 LF 7" x 4" x 3/8" Thick, Plain Steel Angle Iron.....	35.50	10.97
For >100 To 250, Deduct	-1.10	
For >250 To 500, Deduct	-1.98	
For >500 To 1,000, Deduct	-3.24	
For >1,000, Deduct	-4.49	
For 316 Stainless Steel, Add	66.78	
For Aluminum, Add	3.76	
For Galvanized Steel, Add	12.94	
For 304 Stainless Steel, Add	59.48	
For High Strength Steel (HSS), Add	7.10	

05 12 23 00-0501 1/2" Thick (05 12 23 00-0423)



<b>Metals</b>	<b>05</b>	<b>05</b>
Structural Metal Framing	05 10	
Structural Steel Framing	05 12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0502 LF 3" x 3" x 1/2" Thick, Plain Steel Angle Iron .....	22.99	6.42
For >100 To 250, Deduct	-0.64	
For >250 To 500, Deduct	-1.22	
For >500 To 1,000, Deduct	-2.01	
For >1,000, Deduct	-2.79	
For 316 Stainless Steel, Add	46.18	
For Aluminum, Add	2.60	
For Galvanized Steel, Add	8.95	
For 304 Stainless Steel, Add	41.13	
For High Strength Steel (HSS), Add	4.60	
05 12 23 00-0503 LF 4" x 3" x 1/2" Thick, Plain Steel Angle Iron .....	27.15	7.59
For >100 To 250, Deduct	-0.76	
For >250 To 500, Deduct	-1.44	
For >500 To 1,000, Deduct	-2.37	
For >1,000, Deduct	-3.30	
For 316 Stainless Steel, Add	54.53	
For Aluminum, Add	3.07	
For Galvanized Steel, Add	10.56	
For 304 Stainless Steel, Add	48.56	
For High Strength Steel (HSS), Add	5.43	
05 12 23 00-0504 LF 4" x 3-1/2" x 1/2" Thick, Plain Steel Angle Iron .....	29.10	8.13
For >100 To 250, Deduct	-0.81	
For >250 To 500, Deduct	-1.54	
For >500 To 1,000, Deduct	-2.54	
For >1,000, Deduct	-3.54	
For 316 Stainless Steel, Add	58.46	
For Aluminum, Add	3.29	
For Galvanized Steel, Add	11.33	
For 304 Stainless Steel, Add	52.07	
For High Strength Steel (HSS), Add	5.82	
05 12 23 00-0505 LF 4" x 4" x 1/2" Thick, Plain Steel Angle Iron .....	31.31	8.75
For >100 To 250, Deduct	-0.87	
For >250 To 500, Deduct	-1.66	
For >500 To 1,000, Deduct	-2.73	
For >1,000, Deduct	-3.81	
For 316 Stainless Steel, Add	62.88	
For Aluminum, Add	3.54	
For Galvanized Steel, Add	12.18	
For 304 Stainless Steel, Add	56.00	
For High Strength Steel (HSS), Add	6.26	
05 12 23 00-0506 LF 5" x 3" x 1/2" Thick, Plain Steel Angle Iron .....	31.31	8.75
For >100 To 250, Deduct	-0.87	
For >250 To 500, Deduct	-1.66	
For >500 To 1,000, Deduct	-2.73	
For >1,000, Deduct	-3.81	
For 316 Stainless Steel, Add	62.88	
For Aluminum, Add	3.54	
For Galvanized Steel, Add	12.18	
For 304 Stainless Steel, Add	56.00	
For High Strength Steel (HSS), Add	6.26	
05 12 23 00-0507 LF 5" x 3-1/2" x 1/2" Thick, Plain Steel Angle Iron .....	33.26	9.29
For >100 To 250, Deduct	-0.93	
For >250 To 500, Deduct	-1.76	
For >500 To 1,000, Deduct	-2.90	
For >1,000, Deduct	-4.04	
For 316 Stainless Steel, Add	66.82	
For Aluminum, Add	3.76	
For Galvanized Steel, Add	12.95	
For 304 Stainless Steel, Add	59.51	
For High Strength Steel (HSS), Add	6.65	
05 12 23 00-0508 LF 5" x 5" x 1/2" Thick, Plain Steel Angle Iron .....	39.62	11.06
For >100 To 250, Deduct	-1.11	
For >250 To 500, Deduct	-2.10	
For >500 To 1,000, Deduct	-3.46	
For >1,000, Deduct	-4.82	
For 316 Stainless Steel, Add	79.58	
For Aluminum, Add	4.48	
For Galvanized Steel, Add	15.42	
For 304 Stainless Steel, Add	70.88	
For High Strength Steel (HSS), Add	7.92	
05 12 23 00-0509 LF 6" x 4" x 1/2" Thick, Plain Steel Angle Iron .....	39.62	11.06
For >100 To 250, Deduct	-1.11	
For >250 To 500, Deduct	-2.10	
For >500 To 1,000, Deduct	-3.46	
For >1,000, Deduct	-4.82	
For 316 Stainless Steel, Add	79.58	
For Aluminum, Add	4.48	
For Galvanized Steel, Add	15.42	
For 304 Stainless Steel, Add	70.88	
For High Strength Steel (HSS), Add	7.92	

**05 Metals****05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0510	LF		6" x 6" x 1/2" Thick, Plain Steel Angle Iron.....	47.93	13.38
			<i>For &gt;100 To 250, Deduct</i>	-1.34	
			<i>For &gt;250 To 500, Deduct</i>	-2.54	
			<i>For &gt;500 To 1,000, Deduct</i>	-4.18	
			<i>For &gt;1,000, Deduct</i>	-5.83	
			<i>For 316 Stainless Steel, Add</i>	96.26	
			<i>For Aluminum, Add</i>	5.41	
			<i>For Galvanized Steel, Add</i>	18.65	
			<i>For 304 Stainless Steel, Add</i>	85.73	
			<i>For High Strength Steel (HSS), Add</i>	9.59	
05 12 23 00-0511	LF		7" x 4" x 1/2" Thick, Plain Steel Angle Iron.....	43.77	12.22
			<i>For &gt;100 To 250, Deduct</i>	-1.22	
			<i>For &gt;250 To 500, Deduct</i>	-2.32	
			<i>For &gt;500 To 1,000, Deduct</i>	-3.82	
			<i>For &gt;1,000, Deduct</i>	-5.32	
			<i>For 316 Stainless Steel, Add</i>	87.90	
			<i>For Aluminum, Add</i>	4.94	
			<i>For Galvanized Steel, Add</i>	17.03	
			<i>For 304 Stainless Steel, Add</i>	78.29	
			<i>For High Strength Steel (HSS), Add</i>	8.75	
05 12 23 00-0512	LF		8" x 4" x 1/2" Thick, Plain Steel Angle Iron.....	47.93	13.38
			<i>For &gt;100 To 250, Deduct</i>	-1.34	
			<i>For &gt;250 To 500, Deduct</i>	-2.54	
			<i>For &gt;500 To 1,000, Deduct</i>	-4.18	
			<i>For &gt;1,000, Deduct</i>	-5.83	
			<i>For 316 Stainless Steel, Add</i>	96.26	
			<i>For Aluminum, Add</i>	5.41	
			<i>For Galvanized Steel, Add</i>	18.65	
			<i>For 304 Stainless Steel, Add</i>	85.73	
			<i>For High Strength Steel (HSS), Add</i>	9.59	
05 12 23 00-0513	LF		8" x 6" x 1/2" Thick, Plain Steel Angle Iron.....	56.26	15.72
			<i>For &gt;100 To 250, Deduct</i>	-1.57	
			<i>For &gt;250 To 500, Deduct</i>	-2.98	
			<i>For &gt;500 To 1,000, Deduct</i>	-4.91	
			<i>For &gt;1,000, Deduct</i>	-6.84	
			<i>For 316 Stainless Steel, Add</i>	112.99	
			<i>For Aluminum, Add</i>	6.36	
			<i>For Galvanized Steel, Add</i>	21.89	
			<i>For 304 Stainless Steel, Add</i>	100.63	
			<i>For High Strength Steel (HSS), Add</i>	11.25	
05 12 23 00-0514	LF		8" x 8" x 1/2" Thick, Plain Steel Angle Iron.....	64.55	18.04
			<i>For &gt;100 To 250, Deduct</i>	-1.80	
			<i>For &gt;250 To 500, Deduct</i>	-3.42	
			<i>For &gt;500 To 1,000, Deduct</i>	-5.63	
			<i>For &gt;1,000, Deduct</i>	-7.85	
			<i>For 316 Stainless Steel, Add</i>	129.63	
			<i>For Aluminum, Add</i>	7.29	
			<i>For Galvanized Steel, Add</i>	25.12	
			<i>For 304 Stainless Steel, Add</i>	115.45	
			<i>For High Strength Steel (HSS), Add</i>	12.91	
<b>05 12 23 00-0515</b>			<b>5/8" Thick</b> (05 12 23 00-0423)		
05 12 23 00-0516	LF		4" x 4" x 5/8" Thick, Plain Steel Angle Iron.....	37.46	10.03
			<i>For &gt;100 To 250, Deduct</i>	-1.00	
			<i>For &gt;250 To 500, Deduct</i>	-1.94	
			<i>For &gt;500 To 1,000, Deduct</i>	-3.21	
			<i>For &gt;1,000, Deduct</i>	-4.48	
			<i>For 316 Stainless Steel, Add</i>	77.12	
			<i>For Aluminum, Add</i>	4.34	
			<i>For Galvanized Steel, Add</i>	14.94	
			<i>For High Strength Steel (HSS), Add</i>	7.49	
05 12 23 00-0517	LF		5" x 3-1/2" x 5/8" Thick, Plain Steel Angle Iron .....	40.09	10.72
			<i>For &gt;100 To 250, Deduct</i>	-1.07	
			<i>For &gt;250 To 500, Deduct</i>	-2.07	
			<i>For &gt;500 To 1,000, Deduct</i>	-3.43	
			<i>For &gt;1,000, Deduct</i>	-4.79	
			<i>For 316 Stainless Steel, Add</i>	82.53	
			<i>For Aluminum, Add</i>	4.64	
			<i>For Galvanized Steel, Add</i>	15.99	
			<i>For High Strength Steel (HSS), Add</i>	8.02	
05 12 23 00-0518	LF		5" x 5" x 5/8" Thick, Plain Steel Angle Iron.....	47.71	12.77
			<i>For &gt;100 To 250, Deduct</i>	-1.28	
			<i>For &gt;250 To 500, Deduct</i>	-2.47	
			<i>For &gt;500 To 1,000, Deduct</i>	-4.09	
			<i>For &gt;1,000, Deduct</i>	-5.71	
			<i>For 316 Stainless Steel, Add</i>	98.21	
			<i>For Aluminum, Add</i>	5.52	
			<i>For Galvanized Steel, Add</i>	19.03	
			<i>For High Strength Steel (HSS), Add</i>	9.54	





	<b>Metals</b>	<b>05</b>
	Structural Metal Framing	05 10
	Structural Steel Framing	05 12

05

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0519 LF 6" x 4" x 5/8" Thick, Plain Steel Angle Iron .....	47.71	12.77
For >100 To 250, Deduct	-1.28	
For >250 To 500, Deduct	-2.47	
For >500 To 1,000, Deduct	-4.09	
For >1,000, Deduct	-5.71	
For 316 Stainless Steel, Add	98.21	
For Aluminum, Add	5.52	
For Galvanized Steel, Add	19.03	
For High Strength Steel (HSS), Add	9.54	
05 12 23 00-0520 LF 6" x 6" x 5/8" Thick, Plain Steel Angle Iron .....	57.75	15.45
For >100 To 250, Deduct	-1.55	
For >250 To 500, Deduct	-2.99	
For >500 To 1,000, Deduct	-4.95	
For >1,000, Deduct	-6.91	
For 316 Stainless Steel, Add	118.88	
For Aluminum, Add	6.69	
For Galvanized Steel, Add	23.03	
For High Strength Steel (HSS), Add	11.55	
05 12 23 00-0521 LF 7" x 4" x 5/8" Thick, Plain Steel Angle Iron .....	52.73	14.11
For >100 To 250, Deduct	-1.41	
For >250 To 500, Deduct	-2.73	
For >500 To 1,000, Deduct	-4.52	
For >1,000, Deduct	-6.31	
For 316 Stainless Steel, Add	108.54	
For Aluminum, Add	6.11	
For Galvanized Steel, Add	21.03	
For High Strength Steel (HSS), Add	10.55	
05 12 23 00-0522 LF 8" x 6" x 5/8" Thick, Plain Steel Angle Iron .....	68.00	18.20
For >100 To 250, Deduct	-1.82	
For >250 To 500, Deduct	-3.52	
For >500 To 1,000, Deduct	-5.83	
For >1,000, Deduct	-8.13	
For 316 Stainless Steel, Add	139.97	
For Aluminum, Add	7.87	
For Galvanized Steel, Add	27.12	
For High Strength Steel (HSS), Add	13.60	
05 12 23 00-0523 LF 8" x 8" x 5/8" Thick, Plain Steel Angle Iron .....	78.03	20.88
For >100 To 250, Deduct	-2.09	
For >250 To 500, Deduct	-4.04	
For >500 To 1,000, Deduct	-6.68	
For >1,000, Deduct	-9.33	
For 316 Stainless Steel, Add	160.64	
For Aluminum, Add	9.04	
For Galvanized Steel, Add	31.12	
For High Strength Steel (HSS), Add	15.61	
<b>05 12 23 00-0524 3/4" Thick</b> <small>(05 12 23 00-0423)</small>		
05 12 23 00-0525 LF 4" x 4" x 3/4" Thick, Plain Steel Angle Iron .....	43.18	11.07
For >100 To 250, Deduct	-1.11	
For >250 To 500, Deduct	-2.19	
For >500 To 1,000, Deduct	-3.64	
For >1,000, Deduct	-5.08	
For 316 Stainless Steel, Add	90.91	
For Aluminum, Add	5.11	
For Galvanized Steel, Add	17.61	
For High Strength Steel (HSS), Add	8.64	
05 12 23 00-0526 LF 5" x 3-1/2" x 3/4" Thick, Plain Steel Angle Iron .....	46.19	11.85
For >100 To 250, Deduct	-1.19	
For >250 To 500, Deduct	-2.34	
For >500 To 1,000, Deduct	-3.89	
For >1,000, Deduct	-5.44	
For 316 Stainless Steel, Add	97.25	
For Aluminum, Add	5.47	
For Galvanized Steel, Add	18.84	
For High Strength Steel (HSS), Add	9.24	
05 12 23 00-0527 LF 5" x 5" x 3/4" Thick, Plain Steel Angle Iron .....	55.06	14.13
For >100 To 250, Deduct	-1.41	
For >250 To 500, Deduct	-2.79	
For >500 To 1,000, Deduct	-4.64	
For >1,000, Deduct	-6.48	
For 316 Stainless Steel, Add	115.94	
For Aluminum, Add	6.52	
For Galvanized Steel, Add	22.46	
For High Strength Steel (HSS), Add	11.01	
05 12 23 00-0528 LF 6" x 4" x 3/4" Thick, Plain Steel Angle Iron .....	55.06	14.13
For >100 To 250, Deduct	-1.41	
For >250 To 500, Deduct	-2.79	
For >500 To 1,000, Deduct	-4.64	
For >1,000, Deduct	-6.48	
For 316 Stainless Steel, Add	115.94	
For Aluminum, Add	6.52	
For Galvanized Steel, Add	22.46	
For High Strength Steel (HSS), Add	11.01	

05	<b>05 Metals</b>
	<b>05 10 Structural Metal Framing</b>
	<b>05 12 Structural Steel Framing</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0529 LF 6" x 6" x 3/4" Thick, Plain Steel Angle Iron.....	66.95	17.17
For >100 To 250, Deduct	-1.72	
For >250 To 500, Deduct	-3.39	
For >500 To 1,000, Deduct	-5.64	
For >1,000, Deduct	-7.88	
For 316 Stainless Steel, Add	140.96	
For Aluminum, Add	7.93	
For Galvanized Steel, Add	27.31	
For High Strength Steel (HSS), Add	13.39	
05 12 23 00-0530 LF 7" x 4" x 3/4" Thick, Plain Steel Angle Iron.....	61.12	15.68
For >100 To 250, Deduct	-1.57	
For >250 To 500, Deduct	-3.10	
For >500 To 1,000, Deduct	-5.15	
For >1,000, Deduct	-7.20	
For 316 Stainless Steel, Add	128.67	
For Aluminum, Add	7.24	
For Galvanized Steel, Add	24.93	
For High Strength Steel (HSS), Add	12.22	
05 12 23 00-0531 LF 8" x 4" x 3/4" Thick, Plain Steel Angle Iron.....	66.95	17.17
For >100 To 250, Deduct	-1.72	
For >250 To 500, Deduct	-3.39	
For >500 To 1,000, Deduct	-5.64	
For >1,000, Deduct	-7.88	
For 316 Stainless Steel, Add	140.96	
For Aluminum, Add	7.93	
For Galvanized Steel, Add	27.31	
For High Strength Steel (HSS), Add	13.39	
05 12 23 00-0532 LF 8" x 6" x 3/4" Thick, Plain Steel Angle Iron.....	78.86	20.22
For >100 To 250, Deduct	-2.02	
For >250 To 500, Deduct	-3.99	
For >500 To 1,000, Deduct	-6.64	
For >1,000, Deduct	-9.29	
For 316 Stainless Steel, Add	166.05	
For Aluminum, Add	9.34	
For Galvanized Steel, Add	32.17	
For High Strength Steel (HSS), Add	15.77	
05 12 23 00-0533 LF 8" x 8" x 3/4" Thick, Plain Steel Angle Iron.....	90.75	23.28
For >100 To 250, Deduct	-2.33	
For >250 To 500, Deduct	-4.60	
For >500 To 1,000, Deduct	-7.64	
For >1,000, Deduct	-10.69	
For 316 Stainless Steel, Add	191.07	
For Aluminum, Add	10.75	
For Galvanized Steel, Add	37.02	
For High Strength Steel (HSS), Add	18.15	
<b>05 12 23 00-0534 7/8" Thick</b> <small>(05 12 23 00-0423)</small>		
05 12 23 00-0535 LF 5" x 5" x 7/8" Thick, Plain Steel Angle Iron.....	61.99	15.19
For >100 To 250, Deduct	-1.52	
For >250 To 500, Deduct	-3.07	
For >500 To 1,000, Deduct	-5.12	
For >1,000, Deduct	-7.18	
For 316 Stainless Steel, Add	133.57	
For Aluminum, Add	7.51	
For Galvanized Steel, Add	25.88	
For High Strength Steel (HSS), Add	12.40	
05 12 23 00-0536 LF 6" x 4" x 7/8" Thick, Plain Steel Angle Iron.....	61.99	15.19
For >100 To 250, Deduct	-1.52	
For >250 To 500, Deduct	-3.07	
For >500 To 1,000, Deduct	-5.12	
For >1,000, Deduct	-7.18	
For 316 Stainless Steel, Add	133.57	
For Aluminum, Add	7.51	
For Galvanized Steel, Add	25.88	
For High Strength Steel (HSS), Add	12.40	
05 12 23 00-0537 LF 6" x 6" x 7/8" Thick, Plain Steel Angle Iron.....	75.47	18.49
For >100 To 250, Deduct	-1.85	
For >250 To 500, Deduct	-3.74	
For >500 To 1,000, Deduct	-6.24	
For >1,000, Deduct	-8.74	
For 316 Stainless Steel, Add	162.59	
For Aluminum, Add	9.15	
For Galvanized Steel, Add	31.50	
For High Strength Steel (HSS), Add	15.09	
05 12 23 00-0538 LF 8" x 6" x 7/8" Thick, Plain Steel Angle Iron.....	89.14	21.84
For >100 To 250, Deduct	-2.18	
For >250 To 500, Deduct	-4.41	
For >500 To 1,000, Deduct	-7.37	
For >1,000, Deduct	-10.33	
For 316 Stainless Steel, Add	192.06	
For Aluminum, Add	10.80	
For Galvanized Steel, Add	37.21	
For High Strength Steel (HSS), Add	17.83	



<b>Metals</b>	<b>05</b>	<b>05</b>
Structural Metal Framing	05 10	
Structural Steel Framing	05 12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0539 LF 8" x 8" x 7/8" Thick, Plain Steel Angle Iron .....	102.57	25.14
For >100 To 250, Deduct	-2.51	
For >250 To 500, Deduct	-5.08	
For >500 To 1,000, Deduct	-8.48	
For >1,000, Deduct	-11.88	
For 316 Stainless Steel, Add	220.99	
For Aluminum, Add	12.43	
For Galvanized Steel, Add	42.82	
For High Strength Steel (HSS), Add	20.51	
<b>05 12 23 00-0540 Bar Channel</b> <small>(05 12 23 00-0422)</small>		
05 12 23 00-0541 LF 1" x 1/2" x 1/8" Thick Bar Channel.....	5.03	
For 316 Stainless Steel, Add	5.34	
For Aluminum, Add	0.30	
For Galvanized Steel, Add	1.04	
For 304 Stainless Steel, Add	4.76	
For High Strength Steel (HSS), Add	1.01	
05 12 23 00-0542 LF 1-1/4" x 1/2" x 1/8" Thick Bar Channel.....	5.65	
For 316 Stainless Steel, Add	6.40	
For Aluminum, Add	0.36	
For Galvanized Steel, Add	1.24	
For 304 Stainless Steel, Add	5.70	
For High Strength Steel (HSS), Add	1.13	
05 12 23 00-0543 LF 1-1/2" x 1/2" x 1/8" Thick Bar Channel.....	6.16	
For 316 Stainless Steel, Add	7.07	
For Aluminum, Add	0.40	
For Galvanized Steel, Add	1.37	
For 304 Stainless Steel, Add	6.30	
For High Strength Steel (HSS), Add	1.23	
05 12 23 00-0544 LF 1-1/2" x 3/4" x 1/8" Thick Bar Channel.....	7.04	
For 316 Stainless Steel, Add	7.39	
For Aluminum, Add	0.42	
For Galvanized Steel, Add	1.43	
For 304 Stainless Steel, Add	6.58	
For High Strength Steel (HSS), Add	1.41	
05 12 23 00-0545 LF 2" x 1/2" x 1/8" Thick Bar Channel.....	7.56	
For 316 Stainless Steel, Add	9.06	
For Aluminum, Add	0.51	
For Galvanized Steel, Add	1.75	
For 304 Stainless Steel, Add	8.07	
05 12 23 00-0546 LF 2" x 1" x 1/8" Thick Bar Channel.....	9.90	
For 316 Stainless Steel, Add	10.11	
For Aluminum, Add	0.57	
For Galvanized Steel, Add	1.96	
For 304 Stainless Steel, Add	9.01	
<b>05 12 23 00-0547 Channels - C</b> <small>(05 12 23 00-0422)</small>		
05 12 23 00-0548 LF C2 x 1.78 - 2" Wide Channel .....	8.23	4.16
For >100 To 250, Deduct	-0.42	
For >250 To 500, Deduct	-0.62	
For >500 To 1,000, Deduct	-0.97	
For >1,000, Deduct	-1.31	
For 316 Stainless Steel, Add	8.58	
For Aluminum, Add	0.48	
For Galvanized Steel, Add	1.66	
For 304 Stainless Steel, Add	7.64	
05 12 23 00-0549 LF C3 x 4.1 - 3" Wide Channel .....	14.27	5.98
For >100 To 250, Deduct	-0.60	
For >250 To 500, Deduct	-0.96	
For >500 To 1,000, Deduct	-1.51	
For >1,000, Deduct	-2.07	
For 316 Stainless Steel, Add	20.13	
For Aluminum, Add	1.13	
For Galvanized Steel, Add	3.90	
For 304 Stainless Steel, Add	17.93	
05 12 23 00-0550 LF C3 x 5 - 3" Wide Channel .....	17.40	7.30
For >100 To 250, Deduct	-0.73	
For >250 To 500, Deduct	-1.16	
For >500 To 1,000, Deduct	-1.84	
For >1,000, Deduct	-2.52	
For 316 Stainless Steel, Add	24.54	
For Aluminum, Add	1.38	
For Galvanized Steel, Add	4.76	
For 304 Stainless Steel, Add	21.86	
05 12 23 00-0551 LF C3 x 6 - 3" Wide Channel .....	20.89	8.76
For >100 To 250, Deduct	-0.88	
For >250 To 500, Deduct	-1.40	
For >500 To 1,000, Deduct	-2.21	
For >1,000, Deduct	-3.03	
For 316 Stainless Steel, Add	29.47	
For Aluminum, Add	1.66	
For Galvanized Steel, Add	5.71	
For 304 Stainless Steel, Add	26.25	

**05 Metals****05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0552	LF		C4 x 5.4 - 4" Wide Channel.....	17.86	7.18
			<i>For &gt;100 To 250, Deduct</i>	-0.72	
			<i>For &gt;250 To 500, Deduct</i>	-1.16	
			<i>For &gt;500 To 1,000, Deduct</i>	-1.85	
			<i>For &gt;1,000, Deduct</i>	-2.54	
			<i>For 316 Stainless Steel, Add</i>	26.53	
			<i>For Aluminum, Add</i>	1.49	
			<i>For Galvanized Steel, Add</i>	5.14	
			<i>For 304 Stainless Steel, Add</i>	23.63	
05 12 23 00-0553	LF		C4 x 7.25 - 4" Wide Channel.....	23.99	9.64
			<i>For &gt;100 To 250, Deduct</i>	-0.96	
			<i>For &gt;250 To 500, Deduct</i>	-1.56	
			<i>For &gt;500 To 1,000, Deduct</i>	-2.49	
			<i>For &gt;1,000, Deduct</i>	-3.41	
			<i>For 316 Stainless Steel, Add</i>	35.62	
			<i>For Aluminum, Add</i>	2.00	
			<i>For Galvanized Steel, Add</i>	6.90	
			<i>For 304 Stainless Steel, Add</i>	31.72	
05 12 23 00-0554	LF		C5 x 6.7 - 5" Wide Channel.....	21.45	8.37
			<i>For &gt;100 To 250, Deduct</i>	-0.84	
			<i>For &gt;250 To 500, Deduct</i>	-1.37	
			<i>For &gt;500 To 1,000, Deduct</i>	-2.19	
			<i>For &gt;1,000, Deduct</i>	-3.01	
			<i>For 316 Stainless Steel, Add</i>	32.90	
			<i>For Aluminum, Add</i>	1.85	
			<i>For Galvanized Steel, Add</i>	6.37	
			<i>For 304 Stainless Steel, Add</i>	29.30	
05 12 23 00-0555	LF		C5 x 9 - 5" Wide Channel.....	28.81	11.25
			<i>For &gt;100 To 250, Deduct</i>	-1.13	
			<i>For &gt;250 To 500, Deduct</i>	-1.85	
			<i>For &gt;500 To 1,000, Deduct</i>	-2.94	
			<i>For &gt;1,000, Deduct</i>	-4.04	
			<i>For 316 Stainless Steel, Add</i>	44.19	
			<i>For Aluminum, Add</i>	2.49	
			<i>For Galvanized Steel, Add</i>	8.56	
			<i>For 304 Stainless Steel, Add</i>	39.36	
05 12 23 00-0556	LF		C6 x 8.2 - 6" Wide Channel.....	25.98	10.06
			<i>For &gt;100 To 250, Deduct</i>	-1.01	
			<i>For &gt;250 To 500, Deduct</i>	-1.65	
			<i>For &gt;500 To 1,000, Deduct</i>	-2.64	
			<i>For &gt;1,000, Deduct</i>	-3.62	
			<i>For 316 Stainless Steel, Add</i>	40.26	
			<i>For Aluminum, Add</i>	2.26	
			<i>For Galvanized Steel, Add</i>	7.80	
			<i>For 304 Stainless Steel, Add</i>	35.85	
05 12 23 00-0557	LF		C6 x 10.5 - 6" Wide Channel.....	33.27	12.88
			<i>For &gt;100 To 250, Deduct</i>	-1.29	
			<i>For &gt;250 To 500, Deduct</i>	-2.12	
			<i>For &gt;500 To 1,000, Deduct</i>	-3.38	
			<i>For &gt;1,000, Deduct</i>	-4.64	
			<i>For 316 Stainless Steel, Add</i>	51.55	
			<i>For Aluminum, Add</i>	2.90	
			<i>For Galvanized Steel, Add</i>	9.99	
			<i>For 304 Stainless Steel, Add</i>	45.91	
05 12 23 00-0558	LF		C6 x 13 - 6" Wide Channel.....	41.21	15.94
			<i>For &gt;100 To 250, Deduct</i>	-1.59	
			<i>For &gt;250 To 500, Deduct</i>	-2.62	
			<i>For &gt;500 To 1,000, Deduct</i>	-4.19	
			<i>For &gt;1,000, Deduct</i>	-5.75	
			<i>For 316 Stainless Steel, Add</i>	63.84	
			<i>For Aluminum, Add</i>	3.59	
			<i>For Galvanized Steel, Add</i>	12.37	
			<i>For 304 Stainless Steel, Add</i>	56.86	
05 12 23 00-0559	LF		C7 x 9.8 - 7" Wide Channel.....	31.00	11.97
			<i>For &gt;100 To 250, Deduct</i>	-1.20	
			<i>For &gt;250 To 500, Deduct</i>	-1.97	
			<i>For &gt;500 To 1,000, Deduct</i>	-3.15	
			<i>For &gt;1,000, Deduct</i>	-4.32	
			<i>For 316 Stainless Steel, Add</i>	48.13	
			<i>For Aluminum, Add</i>	2.71	
			<i>For Galvanized Steel, Add</i>	9.32	
			<i>For 304 Stainless Steel, Add</i>	42.86	
05 12 23 00-0560	LF		C7 x 12.25 - 7" Wide Channel.....	38.75	14.96
			<i>For &gt;100 To 250, Deduct</i>	-1.50	
			<i>For &gt;250 To 500, Deduct</i>	-2.47	
			<i>For &gt;500 To 1,000, Deduct</i>	-3.93	
			<i>For &gt;1,000, Deduct</i>	-5.40	
			<i>For 316 Stainless Steel, Add</i>	60.16	
			<i>For Aluminum, Add</i>	3.38	
			<i>For Galvanized Steel, Add</i>	11.66	
			<i>For 304 Stainless Steel, Add</i>	53.58	



<b>Metals</b>	<b>05</b>	<b>05</b>
Structural Metal Framing	05 10	
Structural Steel Framing	05 12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0561 LF C7 x 14.75 - 7" Wide Channel .....	46.66	18.02
For >100 To 250, Deduct	-1.80	
For >250 To 500, Deduct	-2.97	
For >500 To 1,000, Deduct	-4.74	
For >1,000, Deduct	-6.50	
For 316 Stainless Steel, Add	72.45	
For Aluminum, Add	4.08	
For Galvanized Steel, Add	14.04	
For 304 Stainless Steel, Add	64.52	
05 12 23 00-0562 LF C8 x 11.5 - 8" Wide Channel .....	35.21	13.17
For >100 To 250, Deduct	-1.32	
For >250 To 500, Deduct	-2.20	
For >500 To 1,000, Deduct	-3.52	
For >1,000, Deduct	-4.84	
For 316 Stainless Steel, Add	56.48	
For Aluminum, Add	3.18	
For Galvanized Steel, Add	10.94	
For 304 Stainless Steel, Add	50.30	
05 12 23 00-0563 LF C8 x 13.75 - 8" Wide Channel .....	42.09	15.75
For >100 To 250, Deduct	-1.57	
For >250 To 500, Deduct	-2.63	
For >500 To 1,000, Deduct	-4.20	
For >1,000, Deduct	-5.78	
For 316 Stainless Steel, Add	67.52	
For Aluminum, Add	3.80	
For Galvanized Steel, Add	13.08	
For 304 Stainless Steel, Add	60.14	
05 12 23 00-0564 LF C8 x 18.75 - 8" Wide Channel .....	57.39	21.47
For >100 To 250, Deduct	-2.15	
For >250 To 500, Deduct	-3.58	
For >500 To 1,000, Deduct	-5.73	
For >1,000, Deduct	-7.88	
For 316 Stainless Steel, Add	92.06	
For Aluminum, Add	5.18	
For Galvanized Steel, Add	17.84	
For 304 Stainless Steel, Add	81.99	
05 12 23 00-0565 LF C9 x 13.4 - 9" Wide Channel .....	41.02	15.35
For >100 To 250, Deduct	-1.53	
For >250 To 500, Deduct	-2.56	
For >500 To 1,000, Deduct	-4.10	
For >1,000, Deduct	-5.63	
For 316 Stainless Steel, Add	65.79	
For Aluminum, Add	3.70	
For Galvanized Steel, Add	12.75	
For 304 Stainless Steel, Add	58.60	
05 12 23 00-0566 LF C9 x 15 - 9" Wide Channel .....	45.91	17.17
For >100 To 250, Deduct	-1.72	
For >250 To 500, Deduct	-2.86	
For >500 To 1,000, Deduct	-4.58	
For >1,000, Deduct	-6.30	
For 316 Stainless Steel, Add	73.66	
For Aluminum, Add	4.14	
For Galvanized Steel, Add	14.27	
For 304 Stainless Steel, Add	65.61	
05 12 23 00-0567 LF C9 x 20 - 9" Wide Channel .....	61.23	22.89
For >100 To 250, Deduct	-2.29	
For >250 To 500, Deduct	-3.82	
For >500 To 1,000, Deduct	-6.12	
For >1,000, Deduct	-8.41	
For 316 Stainless Steel, Add	98.21	
For Aluminum, Add	5.52	
For Galvanized Steel, Add	19.03	
For 304 Stainless Steel, Add	87.47	
05 12 23 00-0568 LF C10 x 15.3 - 10" Wide Channel .....	46.84	17.51
For >100 To 250, Deduct	-1.75	
For >250 To 500, Deduct	-2.92	
For >500 To 1,000, Deduct	-4.68	
For >1,000, Deduct	-6.43	
For 316 Stainless Steel, Add	75.14	
For Aluminum, Add	4.23	
For Galvanized Steel, Add	14.56	
For 304 Stainless Steel, Add	66.92	
05 12 23 00-0569 LF C10 x 20 - 10" Wide Channel .....	61.23	22.89
For >100 To 250, Deduct	-2.29	
For >250 To 500, Deduct	-3.82	
For >500 To 1,000, Deduct	-6.12	
For >1,000, Deduct	-8.41	
For 316 Stainless Steel, Add	98.21	
For Aluminum, Add	5.52	
For Galvanized Steel, Add	19.03	
For 304 Stainless Steel, Add	87.47	

**05 Metals****05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0570 LF C10 x 25 - 10" Wide Channel.....	76.54	28.62
For >100 To 250, Deduct	-2.86	
For >250 To 500, Deduct	-4.78	
For >500 To 1,000, Deduct	-7.64	
For >1,000, Deduct	-10.51	
For 316 Stainless Steel, Add	122.78	
For Aluminum, Add	6.91	
For Galvanized Steel, Add	23.79	
For 304 Stainless Steel, Add	109.35	
05 12 23 00-0571 LF C10 x 30 - 10" Wide Channel.....	91.84	34.35
For >100 To 250, Deduct	-3.44	
For >250 To 500, Deduct	-5.73	
For >500 To 1,000, Deduct	-9.17	
For >1,000, Deduct	-12.61	
For 316 Stainless Steel, Add	147.33	
For Aluminum, Add	8.29	
For Galvanized Steel, Add	28.54	
For 304 Stainless Steel, Add	131.21	
05 12 23 00-0572 LF C12 x 20.7 - 12" Wide Channel.....	63.37	23.71
For >100 To 250, Deduct	-2.37	
For >250 To 500, Deduct	-3.95	
For >500 To 1,000, Deduct	-6.33	
For >1,000, Deduct	-8.70	
For 316 Stainless Steel, Add	101.66	
For Aluminum, Add	5.72	
For Galvanized Steel, Add	19.70	
For 304 Stainless Steel, Add	90.54	
05 12 23 00-0573 LF C12 x 25 - 12" Wide Channel.....	76.54	28.62
For >100 To 250, Deduct	-2.86	
For >250 To 500, Deduct	-4.78	
For >500 To 1,000, Deduct	-7.64	
For >1,000, Deduct	-10.51	
For 316 Stainless Steel, Add	122.78	
For Aluminum, Add	6.91	
For Galvanized Steel, Add	23.79	
For 304 Stainless Steel, Add	109.35	
05 12 23 00-0574 LF C12 x 30 - 12" Wide Channel.....	91.84	34.35
For >100 To 250, Deduct	-3.44	
For >250 To 500, Deduct	-5.73	
For >500 To 1,000, Deduct	-9.17	
For >1,000, Deduct	-12.61	
For 316 Stainless Steel, Add	147.33	
For Aluminum, Add	8.29	
For Galvanized Steel, Add	28.54	
For 304 Stainless Steel, Add	131.21	
05 12 23 00-0575 LF C15 x 33.9 - 15" Wide Channel.....	103.77	38.81
For >100 To 250, Deduct	-3.88	
For >250 To 500, Deduct	-6.48	
For >500 To 1,000, Deduct	-10.36	
For >1,000, Deduct	-14.25	
For 316 Stainless Steel, Add	166.46	
For Aluminum, Add	9.36	
For Galvanized Steel, Add	32.25	
For 304 Stainless Steel, Add	148.26	
05 12 23 00-0576 LF C15 x 40 - 15" Wide Channel.....	122.45	45.80
For >100 To 250, Deduct	-4.58	
For >250 To 500, Deduct	-7.64	
For >500 To 1,000, Deduct	-12.23	
For >1,000, Deduct	-16.82	
For 316 Stainless Steel, Add	196.45	
For Aluminum, Add	11.05	
For Galvanized Steel, Add	38.06	
For 304 Stainless Steel, Add	174.96	
05 12 23 00-0577 LF C15 x 50 - 15" Wide Channel.....	153.06	57.24
For >100 To 250, Deduct	-5.72	
For >250 To 500, Deduct	-9.55	
For >500 To 1,000, Deduct	-15.29	
For >1,000, Deduct	-21.02	
For 316 Stainless Steel, Add	245.54	
For Aluminum, Add	13.81	
For Galvanized Steel, Add	47.57	
For 304 Stainless Steel, Add	218.68	
<b>05 12 23 00-0578 Miscellaneous Channels - MC</b> (05 12 23 00-0422)		
05 12 23 00-0579 LF MC6 x 12 - 6" Wide Channel.....	38.04	14.71
For >100 To 250, Deduct	-1.47	
For >250 To 500, Deduct	-2.42	
For >500 To 1,000, Deduct	-3.86	
For >1,000, Deduct	-5.31	
For 316 Stainless Steel, Add	58.94	
For Aluminum, Add	3.32	
For Galvanized Steel, Add	11.42	
For 304 Stainless Steel, Add	52.50	



<b>Metals</b>	<b>05</b>	<b>05</b>
Structural Metal Framing	05 10	
Structural Steel Framing	05 12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0580 LF MC6 x 15.1 - 6" Wide Channel .....	47.86	18.51
For >100 To 250, Deduct	-1.85	
For >250 To 500, Deduct	-3.05	
For >500 To 1,000, Deduct	-4.86	
For >1,000, Deduct	-6.68	
For 316 Stainless Steel, Add	74.14	
For Aluminum, Add	4.17	
For Galvanized Steel, Add	14.37	
For 304 Stainless Steel, Add	66.03	
05 12 23 00-0581 LF MC6 x 15.3 - 6" Wide Channel .....	48.49	18.76
For >100 To 250, Deduct	-1.88	
For >250 To 500, Deduct	-3.09	
For >500 To 1,000, Deduct	-4.93	
For >1,000, Deduct	-6.76	
For 316 Stainless Steel, Add	75.14	
For Aluminum, Add	4.23	
For Galvanized Steel, Add	14.56	
For 304 Stainless Steel, Add	66.92	
05 12 23 00-0582 LF MC6 x 16.3 - 6" Wide Channel .....	51.66	19.98
For >100 To 250, Deduct	-2.00	
For >250 To 500, Deduct	-3.29	
For >500 To 1,000, Deduct	-5.25	
For >1,000, Deduct	-7.21	
For 316 Stainless Steel, Add	80.03	
For Aluminum, Add	4.50	
For Galvanized Steel, Add	15.51	
For 304 Stainless Steel, Add	71.28	
05 12 23 00-0583 LF MC6 x 18 - 6" Wide Channel .....	57.05	22.07
For >100 To 250, Deduct	-2.21	
For >250 To 500, Deduct	-3.63	
For >500 To 1,000, Deduct	-5.80	
For >1,000, Deduct	-7.96	
For 316 Stainless Steel, Add	88.38	
For Aluminum, Add	4.97	
For Galvanized Steel, Add	17.12	
For 304 Stainless Steel, Add	78.72	
05 12 23 00-0584 LF MC7 x 17.6 - 7" Wide Channel .....	55.68	21.50
For >100 To 250, Deduct	-2.15	
For >250 To 500, Deduct	-3.54	
For >500 To 1,000, Deduct	-5.65	
For >1,000, Deduct	-7.76	
For 316 Stainless Steel, Add	86.43	
For Aluminum, Add	4.86	
For Galvanized Steel, Add	16.75	
For 304 Stainless Steel, Add	76.98	
05 12 23 00-0585 LF MC7 x 19.1 - 7" Wide Channel .....	60.43	23.34
For >100 To 250, Deduct	-2.33	
For >250 To 500, Deduct	-3.84	
For >500 To 1,000, Deduct	-6.13	
For >1,000, Deduct	-8.42	
For 316 Stainless Steel, Add	93.79	
For Aluminum, Add	5.28	
For Galvanized Steel, Add	18.17	
For 304 Stainless Steel, Add	83.53	
05 12 23 00-0586 LF MC7 x 22.7 - 7" Wide Channel .....	71.81	27.73
For >100 To 250, Deduct	-2.77	
For >250 To 500, Deduct	-4.57	
For >500 To 1,000, Deduct	-7.29	
For >1,000, Deduct	-10.01	
For 316 Stainless Steel, Add	111.49	
For Aluminum, Add	6.27	
For Galvanized Steel, Add	21.60	
For 304 Stainless Steel, Add	99.29	
05 12 23 00-0587 LF MC8 x 8.5 - 8" Wide Channel .....	26.02	9.73
For >100 To 250, Deduct	-0.97	
For >250 To 500, Deduct	-1.62	
For >500 To 1,000, Deduct	-2.60	
For >1,000, Deduct	-3.57	
For 316 Stainless Steel, Add	41.73	
For Aluminum, Add	2.35	
For Galvanized Steel, Add	8.08	
For 304 Stainless Steel, Add	37.16	
05 12 23 00-0588 LF MC8 x 18.7 - 8" Wide Channel .....	57.25	21.41
For >100 To 250, Deduct	-2.14	
For >250 To 500, Deduct	-3.57	
For >500 To 1,000, Deduct	-5.72	
For >1,000, Deduct	-7.86	
For 316 Stainless Steel, Add	91.84	
For Aluminum, Add	5.17	
For Galvanized Steel, Add	17.79	
For 304 Stainless Steel, Add	81.80	

**05 Metals**  
**05 10 Structural Metal Framing**  
**05 12 Structural Steel Framing**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0589	LF		MC8 x 20 - 8" Wide Channel.....	61.23	22.89
			<i>For &gt;100 To 250, Deduct</i>	-2.29	
			<i>For &gt;250 To 500, Deduct</i>	-3.82	
			<i>For &gt;500 To 1,000, Deduct</i>	-6.12	
			<i>For &gt;1,000, Deduct</i>	-8.41	
			<i>For 316 Stainless Steel, Add</i>	98.21	
			<i>For Aluminum, Add</i>	5.52	
			<i>For Galvanized Steel, Add</i>	19.03	
			<i>For 304 Stainless Steel, Add</i>	87.47	
05 12 23 00-0590	LF		MC8 x 21.4 - 8" Wide Channel.....	65.52	24.51
			<i>For &gt;100 To 250, Deduct</i>	-2.45	
			<i>For &gt;250 To 500, Deduct</i>	-4.09	
			<i>For &gt;500 To 1,000, Deduct</i>	-6.54	
			<i>For &gt;1,000, Deduct</i>	-9.00	
			<i>For 316 Stainless Steel, Add</i>	105.09	
			<i>For Aluminum, Add</i>	5.91	
			<i>For Galvanized Steel, Add</i>	20.36	
			<i>For 304 Stainless Steel, Add</i>	93.59	
05 12 23 00-0591	LF		MC8 x 22.8 - 8" Wide Channel.....	69.79	26.11
			<i>For &gt;100 To 250, Deduct</i>	-2.61	
			<i>For &gt;250 To 500, Deduct</i>	-4.35	
			<i>For &gt;500 To 1,000, Deduct</i>	-6.97	
			<i>For &gt;1,000, Deduct</i>	-9.58	
			<i>For 316 Stainless Steel, Add</i>	111.97	
			<i>For Aluminum, Add</i>	6.30	
			<i>For Galvanized Steel, Add</i>	21.69	
			<i>For 304 Stainless Steel, Add</i>	99.72	
05 12 23 00-0592	LF		MC9 x 23.9 - 9" Wide Channel.....	73.17	27.37
			<i>For &gt;100 To 250, Deduct</i>	-2.74	
			<i>For &gt;250 To 500, Deduct</i>	-4.57	
			<i>For &gt;500 To 1,000, Deduct</i>	-7.31	
			<i>For &gt;1,000, Deduct</i>	-10.05	
			<i>For 316 Stainless Steel, Add</i>	117.38	
			<i>For Aluminum, Add</i>	6.60	
			<i>For Galvanized Steel, Add</i>	22.74	
			<i>For 304 Stainless Steel, Add</i>	104.54	
05 12 23 00-0593	LF		MC9 x 25.4 - 9" Wide Channel.....	77.75	29.08
			<i>For &gt;100 To 250, Deduct</i>	-2.91	
			<i>For &gt;250 To 500, Deduct</i>	-4.85	
			<i>For &gt;500 To 1,000, Deduct</i>	-7.76	
			<i>For &gt;1,000, Deduct</i>	-10.68	
			<i>For 316 Stainless Steel, Add</i>	124.74	
			<i>For Aluminum, Add</i>	7.02	
			<i>For Galvanized Steel, Add</i>	24.17	
			<i>For 304 Stainless Steel, Add</i>	111.09	
05 12 23 00-0594	LF		MC10 x 6.5 - 10" Wide Channel.....	19.91	7.44
			<i>For &gt;100 To 250, Deduct</i>	-0.74	
			<i>For &gt;250 To 500, Deduct</i>	-1.24	
			<i>For &gt;500 To 1,000, Deduct</i>	-1.99	
			<i>For &gt;1,000, Deduct</i>	-2.73	
			<i>For 316 Stainless Steel, Add</i>	31.94	
			<i>For Aluminum, Add</i>	1.80	
			<i>For Galvanized Steel, Add</i>	6.19	
			<i>For 304 Stainless Steel, Add</i>	28.44	
05 12 23 00-0595	LF		MC10 x 8.4 - 10" Wide Channel.....	25.71	9.62
			<i>For &gt;100 To 250, Deduct</i>	-0.96	
			<i>For &gt;250 To 500, Deduct</i>	-1.60	
			<i>For &gt;500 To 1,000, Deduct</i>	-2.57	
			<i>For &gt;1,000, Deduct</i>	-3.53	
			<i>For 316 Stainless Steel, Add</i>	41.25	
			<i>For Aluminum, Add</i>	2.32	
			<i>For Galvanized Steel, Add</i>	7.99	
			<i>For 304 Stainless Steel, Add</i>	36.74	
05 12 23 00-0596	LF		MC10 x 21.9 - 10" Wide Channel.....	67.04	25.08
			<i>For &gt;100 To 250, Deduct</i>	-2.51	
			<i>For &gt;250 To 500, Deduct</i>	-4.18	
			<i>For &gt;500 To 1,000, Deduct</i>	-6.70	
			<i>For &gt;1,000, Deduct</i>	-9.21	
			<i>For 316 Stainless Steel, Add</i>	107.55	
			<i>For Aluminum, Add</i>	6.05	
			<i>For Galvanized Steel, Add</i>	20.84	
			<i>For 304 Stainless Steel, Add</i>	95.79	
05 12 23 00-0597	LF		MC10 x 24.9 - 10" Wide Channel.....	76.23	28.52
			<i>For &gt;100 To 250, Deduct</i>	-2.85	
			<i>For &gt;250 To 500, Deduct</i>	-4.76	
			<i>For &gt;500 To 1,000, Deduct</i>	-7.61	
			<i>For &gt;1,000, Deduct</i>	-10.47	
			<i>For 316 Stainless Steel, Add</i>	122.27	
			<i>For Aluminum, Add</i>	6.88	
			<i>For Galvanized Steel, Add</i>	23.69	
			<i>For 304 Stainless Steel, Add</i>	108.90	





	<b>Metals</b>	<b>05</b>
	Structural Metal Framing	05 10
	Structural Steel Framing	05 12

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0598	LF		MC10 x 25.3 - 10" Wide Channel .....	77.45	28.97
			<i>For &gt;100 To 250, Deduct</i>	-2.90	
			<i>For &gt;250 To 500, Deduct</i>	-4.83	
			<i>For &gt;500 To 1,000, Deduct</i>	-7.73	
			<i>For &gt;1,000, Deduct</i>	-10.64	
			<i>For 316 Stainless Steel, Add</i>	124.26	
			<i>For Aluminum, Add</i>	6.99	
			<i>For Galvanized Steel, Add</i>	24.07	
			<i>For 304 Stainless Steel, Add</i>	110.67	
05 12 23 00-0599	LF		MC10 x 28.3 - 10" Wide Channel .....	86.64	32.39
			<i>For &gt;100 To 250, Deduct</i>	-3.24	
			<i>For &gt;250 To 500, Deduct</i>	-5.41	
			<i>For &gt;500 To 1,000, Deduct</i>	-8.65	
			<i>For &gt;1,000, Deduct</i>	-11.90	
			<i>For 316 Stainless Steel, Add</i>	138.98	
			<i>For Aluminum, Add</i>	7.82	
			<i>For Galvanized Steel, Add</i>	26.93	
			<i>For 304 Stainless Steel, Add</i>	123.78	
05 12 23 00-0600	LF		MC10 x 28.5 - 10" Wide Channel .....	87.25	32.64
			<i>For &gt;100 To 250, Deduct</i>	-3.26	
			<i>For &gt;250 To 500, Deduct</i>	-5.44	
			<i>For &gt;500 To 1,000, Deduct</i>	-8.71	
			<i>For &gt;1,000, Deduct</i>	-11.98	
			<i>For 316 Stainless Steel, Add</i>	139.97	
			<i>For Aluminum, Add</i>	7.87	
			<i>For Galvanized Steel, Add</i>	27.12	
			<i>For 304 Stainless Steel, Add</i>	124.66	
05 12 23 00-0601	LF		MC10 x 33.6 - 10" Wide Channel .....	102.86	38.47
			<i>For &gt;100 To 250, Deduct</i>	-3.85	
			<i>For &gt;250 To 500, Deduct</i>	-6.42	
			<i>For &gt;500 To 1,000, Deduct</i>	-10.27	
			<i>For &gt;1,000, Deduct</i>	-14.13	
			<i>For 316 Stainless Steel, Add</i>	164.99	
			<i>For Aluminum, Add</i>	9.28	
			<i>For Galvanized Steel, Add</i>	31.97	
			<i>For 304 Stainless Steel, Add</i>	146.95	
05 12 23 00-0602	LF		MC10 x 41.1 - 10" Wide Channel .....	125.81	47.06
			<i>For &gt;100 To 250, Deduct</i>	-4.71	
			<i>For &gt;250 To 500, Deduct</i>	-7.85	
			<i>For &gt;500 To 1,000, Deduct</i>	-12.56	
			<i>For &gt;1,000, Deduct</i>	-17.28	
			<i>For 316 Stainless Steel, Add</i>	201.82	
			<i>For Aluminum, Add</i>	11.35	
			<i>For Galvanized Steel, Add</i>	39.10	
			<i>For 304 Stainless Steel, Add</i>	179.75	
05 12 23 00-0603	LF		MC12 x 30.9 - 12" Wide Channel .....	94.60	35.38
			<i>For &gt;100 To 250, Deduct</i>	-3.54	
			<i>For &gt;250 To 500, Deduct</i>	-5.90	
			<i>For &gt;500 To 1,000, Deduct</i>	-9.45	
			<i>For &gt;1,000, Deduct</i>	-12.99	
			<i>For 316 Stainless Steel, Add</i>	151.74	
			<i>For Aluminum, Add</i>	8.54	
			<i>For Galvanized Steel, Add</i>	29.40	
			<i>For 304 Stainless Steel, Add</i>	135.15	
05 12 23 00-0604	LF		MC12 x 32.9 - 12" Wide Channel .....	100.72	37.66
			<i>For &gt;100 To 250, Deduct</i>	-3.77	
			<i>For &gt;250 To 500, Deduct</i>	-6.29	
			<i>For &gt;500 To 1,000, Deduct</i>	-10.06	
			<i>For &gt;1,000, Deduct</i>	-13.83	
			<i>For 316 Stainless Steel, Add</i>	161.57	
			<i>For Aluminum, Add</i>	9.09	
			<i>For Galvanized Steel, Add</i>	31.30	
			<i>For 304 Stainless Steel, Add</i>	143.90	
05 12 23 00-0605	LF		MC12 x 35 - 12" Wide Channel .....	107.14	40.07
			<i>For &gt;100 To 250, Deduct</i>	-4.01	
			<i>For &gt;250 To 500, Deduct</i>	-6.69	
			<i>For &gt;500 To 1,000, Deduct</i>	-10.70	
			<i>For &gt;1,000, Deduct</i>	-14.71	
			<i>For 316 Stainless Steel, Add</i>	171.87	
			<i>For Aluminum, Add</i>	9.67	
			<i>For Galvanized Steel, Add</i>	33.30	
			<i>For 304 Stainless Steel, Add</i>	153.07	
05 12 23 00-0606	LF		MC12 x 37 - 12" Wide Channel .....	113.27	42.37
			<i>For &gt;100 To 250, Deduct</i>	-4.24	
			<i>For &gt;250 To 500, Deduct</i>	-7.07	
			<i>For &gt;500 To 1,000, Deduct</i>	-11.31	
			<i>For &gt;1,000, Deduct</i>	-15.56	
			<i>For 316 Stainless Steel, Add</i>	181.70	
			<i>For Aluminum, Add</i>	10.22	
			<i>For Galvanized Steel, Add</i>	35.20	
			<i>For 304 Stainless Steel, Add</i>	161.82	

**05 Metals****05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0607	LF		MC12 x 40 - 12" Wide Channel.....	122.45	45.80
			<i>For &gt;100 To 250, Deduct</i>	-4.58	
			<i>For &gt;250 To 500, Deduct</i>	-7.64	
			<i>For &gt;500 To 1,000, Deduct</i>	-12.23	
			<i>For &gt;1,000, Deduct</i>	-16.82	
			<i>For 316 Stainless Steel, Add</i>	196.45	
			<i>For Aluminum, Add</i>	11.05	
			<i>For Galvanized Steel, Add</i>	38.06	
			<i>For 304 Stainless Steel, Add</i>	174.96	
05 12 23 00-0608	LF		MC12 x 45 - 12" Wide Channel.....	137.76	51.53
			<i>For &gt;100 To 250, Deduct</i>	-5.15	
			<i>For &gt;250 To 500, Deduct</i>	-8.60	
			<i>For &gt;500 To 1,000, Deduct</i>	-13.76	
			<i>For &gt;1,000, Deduct</i>	-18.92	
			<i>For 316 Stainless Steel, Add</i>	220.99	
			<i>For Aluminum, Add</i>	12.43	
			<i>For Galvanized Steel, Add</i>	42.82	
			<i>For 304 Stainless Steel, Add</i>	196.82	
05 12 23 00-0609	LF		MC12 x 50 - 12" Wide Channel.....	153.06	57.25
			<i>For &gt;100 To 250, Deduct</i>	-5.72	
			<i>For &gt;250 To 500, Deduct</i>	-9.55	
			<i>For &gt;500 To 1,000, Deduct</i>	-15.29	
			<i>For &gt;1,000, Deduct</i>	-21.02	
			<i>For 316 Stainless Steel, Add</i>	245.54	
			<i>For Aluminum, Add</i>	13.81	
			<i>For Galvanized Steel, Add</i>	47.57	
			<i>For 304 Stainless Steel, Add</i>	218.68	
05 12 23 00-0610	LF		MC13 x 31.8 - 13" Wide Channel.....	97.35	36.41
			<i>For &gt;100 To 250, Deduct</i>	-3.64	
			<i>For &gt;250 To 500, Deduct</i>	-6.08	
			<i>For &gt;500 To 1,000, Deduct</i>	-9.72	
			<i>For &gt;1,000, Deduct</i>	-13.37	
			<i>For 316 Stainless Steel, Add</i>	156.16	
			<i>For Aluminum, Add</i>	8.78	
			<i>For Galvanized Steel, Add</i>	30.26	
			<i>For 304 Stainless Steel, Add</i>	139.08	
05 12 23 00-0611	LF		MC13 x 35 - 13" Wide Channel.....	107.14	40.07
			<i>For &gt;100 To 250, Deduct</i>	-4.01	
			<i>For &gt;250 To 500, Deduct</i>	-6.69	
			<i>For &gt;500 To 1,000, Deduct</i>	-10.70	
			<i>For &gt;1,000, Deduct</i>	-14.71	
			<i>For 316 Stainless Steel, Add</i>	171.87	
			<i>For Aluminum, Add</i>	9.67	
			<i>For Galvanized Steel, Add</i>	33.30	
			<i>For 304 Stainless Steel, Add</i>	153.07	
05 12 23 00-0612	LF		MC13 x 40 - 13" Wide Channel.....	122.45	45.80
			<i>For &gt;100 To 250, Deduct</i>	-4.58	
			<i>For &gt;250 To 500, Deduct</i>	-7.64	
			<i>For &gt;500 To 1,000, Deduct</i>	-12.23	
			<i>For &gt;1,000, Deduct</i>	-16.82	
			<i>For 316 Stainless Steel, Add</i>	196.45	
			<i>For Aluminum, Add</i>	11.05	
			<i>For Galvanized Steel, Add</i>	38.06	
			<i>For 304 Stainless Steel, Add</i>	174.96	
05 12 23 00-0613	LF		MC13 x 50 - 13" Wide Channel.....	153.06	57.25
			<i>For &gt;100 To 250, Deduct</i>	-5.72	
			<i>For &gt;250 To 500, Deduct</i>	-9.55	
			<i>For &gt;500 To 1,000, Deduct</i>	-15.29	
			<i>For &gt;1,000, Deduct</i>	-21.02	
			<i>For 316 Stainless Steel, Add</i>	245.54	
			<i>For Aluminum, Add</i>	13.81	
			<i>For Galvanized Steel, Add</i>	47.57	
			<i>For 304 Stainless Steel, Add</i>	218.68	
05 12 23 00-0614	LF		MC18 x 42.7 - 18" Wide Channel.....	130.72	48.89
			<i>For &gt;100 To 250, Deduct</i>	-4.89	
			<i>For &gt;250 To 500, Deduct</i>	-8.16	
			<i>For &gt;500 To 1,000, Deduct</i>	-13.06	
			<i>For &gt;1,000, Deduct</i>	-17.95	
			<i>For 316 Stainless Steel, Add</i>	209.70	
			<i>For Aluminum, Add</i>	11.80	
			<i>For Galvanized Steel, Add</i>	40.63	
			<i>For 304 Stainless Steel, Add</i>	186.76	
05 12 23 00-0615	LF		MC18 x 45.8 - 18" Wide Channel.....	140.20	52.45
			<i>For &gt;100 To 250, Deduct</i>	-5.24	
			<i>For &gt;250 To 500, Deduct</i>	-8.75	
			<i>For &gt;500 To 1,000, Deduct</i>	-14.00	
			<i>For &gt;1,000, Deduct</i>	-19.25	
			<i>For 316 Stainless Steel, Add</i>	224.93	
			<i>For Aluminum, Add</i>	12.65	
			<i>For Galvanized Steel, Add</i>	43.58	
			<i>For 304 Stainless Steel, Add</i>	200.33	



	<b>Metals</b>	<b>05</b>
	Structural Metal Framing	05 10
	Structural Steel Framing	05 12

05

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0616 LF MC18 x 51.9 - 18" Wide Channel .....	158.88	59.42
For >100 To 250, Deduct	-5.94	
For >250 To 500, Deduct	-9.91	
For >500 To 1,000, Deduct	-15.87	
For >1,000, Deduct	-21.82	
For 316 Stainless Steel, Add	254.88	
For Aluminum, Add	14.34	
For Galvanized Steel, Add	49.38	
For 304 Stainless Steel, Add	227.00	
05 12 23 00-0617 LF MC18 x 58 - 18" Wide Channel .....	177.55	66.40
For >100 To 250, Deduct	-6.64	
For >250 To 500, Deduct	-11.08	
For >500 To 1,000, Deduct	-17.73	
For >1,000, Deduct	-24.38	
For 316 Stainless Steel, Add	284.83	
For Aluminum, Add	16.02	
For Galvanized Steel, Add	55.19	
For 304 Stainless Steel, Add	253.68	
<b>05 12 23 00-0618 Structural Bar Tees (05 12 23 00-0422)</b>		
05 12 23 00-0619 LF 3/4" x 3/4" x 1/8" Structural Bar Tee .....	5.30	3.04
For >100 To 250, Deduct	-0.30	
For >250 To 500, Deduct	-0.44	
For >500 To 1,000, Deduct	-0.67	
For >1,000, Deduct	-0.91	
For 316 Stainless Steel, Add	3.97	
For Aluminum, Add	0.22	
For Galvanized Steel, Add	0.77	
For 304 Stainless Steel, Add	3.53	
05 12 23 00-0620 LF 1" x 1" x 1/8" Structural Bar Tee .....	6.49	3.59
For >100 To 250, Deduct	-0.36	
For >250 To 500, Deduct	-0.52	
For >500 To 1,000, Deduct	-0.80	
For >1,000, Deduct	-1.09	
For 316 Stainless Steel, Add	5.44	
For Aluminum, Add	0.31	
For Galvanized Steel, Add	1.05	
For 304 Stainless Steel, Add	4.85	
05 12 23 00-0621 LF 1-1/2" x 1-1/2" x 1/4" Structural Bar Tee .....	10.40	4.15
For >100 To 250, Deduct	-0.41	
For >250 To 500, Deduct	-0.67	
For >500 To 1,000, Deduct	-1.07	
For >1,000, Deduct	-1.47	
For 316 Stainless Steel, Add	15.58	
For Aluminum, Add	0.88	
For Galvanized Steel, Add	3.02	
For 304 Stainless Steel, Add	13.88	
05 12 23 00-0622 LF 2" x 2" x 1/4" Structural Bar Tee .....	14.48	5.42
For >100 To 250, Deduct	-0.54	
For >250 To 500, Deduct	-0.90	
For >500 To 1,000, Deduct	-1.45	
For >1,000, Deduct	-1.99	
For 316 Stainless Steel, Add	23.20	
For Aluminum, Add	1.31	
For Galvanized Steel, Add	4.50	
For 304 Stainless Steel, Add	20.66	
05 12 23 00-0623 LF 2-1/2" x 2-1/2" x 3/8" Structural Bar Tee .....	21.74	6.54
For >100 To 250, Deduct	-0.65	
For >250 To 500, Deduct	-1.20	
For >500 To 1,000, Deduct	-1.96	
For >1,000, Deduct	-2.72	
For 316 Stainless Steel, Add	41.63	
For Aluminum, Add	2.34	
For Galvanized Steel, Add	8.07	
For 304 Stainless Steel, Add	37.08	
05 12 23 00-0624 LF 3" x 3" x 3/8" Structural Bar Tee .....	26.79	8.38
For >100 To 250, Deduct	-0.84	
For >250 To 500, Deduct	-1.51	
For >500 To 1,000, Deduct	-2.46	
For >1,000, Deduct	-3.41	
For 316 Stainless Steel, Add	49.98	
For Aluminum, Add	2.81	
For Galvanized Steel, Add	9.68	
For 304 Stainless Steel, Add	44.52	

05 12 23 00-0625 Structural Zees (05 12 23 00-0422)

**05 Metals****05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0626	LF		1-1/4" x 1-3/4" x 1-3/4" x 3/16" Structural Zee.....	12.78	4.15
			<i>For &gt;100 To 250, Deduct</i>	-0.41	
			<i>For &gt;250 To 500, Deduct</i>	-0.73	
			<i>For &gt;500 To 1,000, Deduct</i>	-1.19	
			<i>For &gt;1,000, Deduct</i>	-1.65	
			<i>For 316 Stainless Steel, Add</i>	23.20	
			<i>For Aluminum, Add</i>	1.31	
			<i>For Galvanized Steel, Add</i>	4.50	
			<i>For 304 Stainless Steel, Add</i>	20.66	
05 12 23 00-0627	LF		2-11/16" x 3" x 2-11/16" x 1/4" Structural Zee.....	23.95	4.95
			<i>For &gt;100 To 250, Deduct</i>	-0.49	
			<i>For &gt;250 To 500, Deduct</i>	-1.09	
			<i>For &gt;500 To 1,000, Deduct</i>	-1.86	
			<i>For &gt;1,000, Deduct</i>	-2.62	
			<i>For 316 Stainless Steel, Add</i>	55.55	
			<i>For Aluminum, Add</i>	3.12	
			<i>For Galvanized Steel, Add</i>	10.76	
			<i>For 304 Stainless Steel, Add</i>	49.48	
05 12 23 00-0628	LF		3-1/16" x 4" x 3-1/16" x 1/4" Structural Zee.....	28.70	5.58
			<i>For &gt;100 To 250, Deduct</i>	-0.56	
			<i>For &gt;250 To 500, Deduct</i>	-1.28	
			<i>For &gt;500 To 1,000, Deduct</i>	-2.18	
			<i>For &gt;1,000, Deduct</i>	-3.08	
			<i>For 316 Stainless Steel, Add</i>	68.00	
			<i>For Aluminum, Add</i>	3.83	
			<i>For Galvanized Steel, Add</i>	13.18	
			<i>For 304 Stainless Steel, Add</i>	60.56	
05 12 23 00-0629	LF		3-1/4" x 5" x 3-1/4" x 5/16" Structural Zee.....	38.57	6.38
			<i>For &gt;100 To 250, Deduct</i>	-0.64	
			<i>For &gt;250 To 500, Deduct</i>	-1.60	
			<i>For &gt;500 To 1,000, Deduct</i>	-2.78	
			<i>For &gt;1,000, Deduct</i>	-3.96	
			<i>For 316 Stainless Steel, Add</i>	96.19	
			<i>For Aluminum, Add</i>	5.41	
			<i>For Galvanized Steel, Add</i>	18.64	
			<i>For 304 Stainless Steel, Add</i>	85.67	
05 12 23 00-0630	LF		3-1/2" x 6" x 3-1/2" x 3/8" Structural Zee.....	49.94	6.94
			<i>For &gt;100 To 250, Deduct</i>	-0.69	
			<i>For &gt;250 To 500, Deduct</i>	-1.94	
			<i>For &gt;500 To 1,000, Deduct</i>	-3.42	
			<i>For &gt;1,000, Deduct</i>	-4.90	
			<i>For 316 Stainless Steel, Add</i>	130.18	
			<i>For Aluminum, Add</i>	7.32	
			<i>For Galvanized Steel, Add</i>	25.22	
			<i>For 304 Stainless Steel, Add</i>	115.94	
<b>05 12 23 00-0631</b>			<b>Junior I-Beams</b> (05 12 23 00-0422)		
05 12 23 00-0632	LF		3" Junior I-Beam, 2.9 LB/LF.....	17.54	5.99
			<i>For &gt;100 To 250, Deduct</i>	-0.60	
			<i>For &gt;250 To 500, Deduct</i>	-1.04	
			<i>For &gt;500 To 1,000, Deduct</i>	-1.68	
			<i>For &gt;1,000, Deduct</i>	-2.31	
			<i>For 316 Stainless Steel, Add</i>	30.59	
			<i>For Aluminum, Add</i>	1.72	
			<i>For Galvanized Steel, Add</i>	5.93	
			<i>For 304 Stainless Steel, Add</i>	27.25	
05 12 23 00-0633	LF		4" Junior I-Beam, 3.2 LB/LF.....	19.28	6.54
			<i>For &gt;100 To 250, Deduct</i>	-0.65	
			<i>For &gt;250 To 500, Deduct</i>	-1.14	
			<i>For &gt;500 To 1,000, Deduct</i>	-1.84	
			<i>For &gt;1,000, Deduct</i>	-2.54	
			<i>For 316 Stainless Steel, Add</i>	33.76	
			<i>For Aluminum, Add</i>	1.90	
			<i>For Galvanized Steel, Add</i>	6.54	
			<i>For 304 Stainless Steel, Add</i>	30.07	
05 12 23 00-0634	LF		5" Junior I-Beam, 3.8 LB/LF.....	22.10	7.18
			<i>For &gt;100 To 250, Deduct</i>	-0.72	
			<i>For &gt;250 To 500, Deduct</i>	-1.27	
			<i>For &gt;500 To 1,000, Deduct</i>	-2.06	
			<i>For &gt;1,000, Deduct</i>	-2.85	
			<i>For 316 Stainless Steel, Add</i>	40.10	
			<i>For Aluminum, Add</i>	2.26	
			<i>For Galvanized Steel, Add</i>	7.77	
			<i>For 304 Stainless Steel, Add</i>	35.71	
05 12 23 00-0635	LF		6" Junior I-Beam, 4.4 LB/LF.....	24.94	7.82
			<i>For &gt;100 To 250, Deduct</i>	-0.78	
			<i>For &gt;250 To 500, Deduct</i>	-1.41	
			<i>For &gt;500 To 1,000, Deduct</i>	-2.29	
			<i>For &gt;1,000, Deduct</i>	-3.17	
			<i>For 316 Stainless Steel, Add</i>	46.43	
			<i>For Aluminum, Add</i>	2.61	
			<i>For Galvanized Steel, Add</i>	9.00	
			<i>For 304 Stainless Steel, Add</i>	41.35	



	<b>Metals</b>	<b>05</b>
	Structural Metal Framing	05 10
	Structural Steel Framing	05 12

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0636 LF 7" Junior I-Beam, 5.5 LB/LF.....	29.31	8.37
For >100 To 250, Deduct	-0.84	
For >250 To 500, Deduct	-1.57	
For >500 To 1,000, Deduct	-2.58	
For >1,000, Deduct	-3.59	
For 316 Stainless Steel, Add	58.05	
For Aluminum, Add	3.27	
For Galvanized Steel, Add	11.25	
For 304 Stainless Steel, Add	51.70	
05 12 23 00-0637 LF 8" Junior I-Beam, 6.5 LB/LF.....	33.35	8.94
For >100 To 250, Deduct	-0.89	
For >250 To 500, Deduct	-1.73	
For >500 To 1,000, Deduct	-2.86	
For >1,000, Deduct	-3.99	
For 316 Stainless Steel, Add	68.61	
For Aluminum, Add	3.86	
For Galvanized Steel, Add	13.29	
For 304 Stainless Steel, Add	61.10	
05 12 23 00-0638 LF 10" Junior I-Beam, 9 LB/LF.....	43.30	10.22
For >100 To 250, Deduct	-1.02	
For >250 To 500, Deduct	-2.10	
For >500 To 1,000, Deduct	-3.53	
For >1,000, Deduct	-4.95	
For 316 Stainless Steel, Add	94.98	
For Aluminum, Add	5.34	
For Galvanized Steel, Add	18.40	
For 304 Stainless Steel, Add	84.59	
05 12 23 00-0639 LF 12" Junior I-Beam, 11.8 LB/LF.....	55.08	12.13
For >100 To 250, Deduct	-1.21	
For >250 To 500, Deduct	-2.59	
For >500 To 1,000, Deduct	-4.37	
For >1,000, Deduct	-6.15	
For 316 Stainless Steel, Add	124.51	
For Aluminum, Add	7.00	
For Galvanized Steel, Add	24.12	
For 304 Stainless Steel, Add	110.89	
<b>05 12 23 00-0640 Round Stock</b> (05 12 23 00-0422)		
05 12 23 00-0641 LF 1/4" Carbon Steel Rounds, ASTM A108.....	2.47	
For 316 Stainless Steel, Add	4.48	
For Aluminum, Add	0.25	
For Galvanized Steel, Add	0.87	
For 304 Stainless Steel, Add	3.99	
05 12 23 00-0642 LF 3/8" Carbon Steel Rounds, ASTM A108.....	3.97	
For 316 Stainless Steel, Add	8.83	
For Aluminum, Add	0.50	
For Galvanized Steel, Add	1.71	
For 304 Stainless Steel, Add	7.87	
05 12 23 00-0643 LF 1/2" Carbon Steel Rounds, ASTM A108.....	5.53	
For 316 Stainless Steel, Add	13.44	
For Aluminum, Add	0.76	
For Galvanized Steel, Add	2.60	
For 304 Stainless Steel, Add	11.97	
05 12 23 00-0644 LF 5/8" Carbon Steel Rounds, ASTM A108.....	8.48	
For 316 Stainless Steel, Add	22.40	
For Aluminum, Add	1.26	
For Galvanized Steel, Add	4.34	
For 304 Stainless Steel, Add	19.95	
05 12 23 00-0645 LF 3/4" Carbon Steel Rounds, ASTM A108.....	10.09	
For 316 Stainless Steel, Add	26.62	
For Aluminum, Add	1.50	
For Galvanized Steel, Add	5.16	
For 304 Stainless Steel, Add	23.71	
05 12 23 00-0646 LF 7/8" Carbon Steel Rounds, ASTM A108.....	11.77	
For 316 Stainless Steel, Add	31.10	
For Aluminum, Add	1.75	
For Galvanized Steel, Add	6.03	
For 304 Stainless Steel, Add	27.70	
05 12 23 00-0647 LF 1" Carbon Steel Rounds, ASTM A108.....	17.23	
For 316 Stainless Steel, Add	47.39	
For Aluminum, Add	2.67	
For Galvanized Steel, Add	9.18	
For 304 Stainless Steel, Add	42.21	
05 12 23 00-0648 LF 1-1/8" Carbon Steel Rounds, ASTM A108.....	20.94	
For 316 Stainless Steel, Add	57.57	
For Aluminum, Add	3.24	
For Galvanized Steel, Add	11.15	
For 304 Stainless Steel, Add	51.27	
05 12 23 00-0649 LF 1-1/4" Carbon Steel Rounds, ASTM A108.....	24.97	
For 316 Stainless Steel, Add	67.74	
For Aluminum, Add	3.81	
For Galvanized Steel, Add	13.13	
For 304 Stainless Steel, Add	60.33	

**05 Metals****05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0650 LF 1-3/8" Carbon Steel Rounds, ASTM A108 .....	30.27	
For 316 Stainless Steel, Add	82.69	
For Aluminum, Add	4.65	
For Galvanized Steel, Add	16.02	
For 304 Stainless Steel, Add	73.64	
05 12 23 00-0651 LF 1-1/2" Carbon Steel Rounds, ASTM A108 .....	33.67	
For 316 Stainless Steel, Add	90.72	
For Aluminum, Add	5.10	
For Galvanized Steel, Add	17.58	
For 304 Stainless Steel, Add	80.80	
05 12 23 00-0652 LF 1-5/8" Carbon Steel Rounds, ASTM A108 .....	38.77	
For 316 Stainless Steel, Add	102.78	
For Aluminum, Add	5.78	
For Galvanized Steel, Add	19.91	
For 304 Stainless Steel, Add	91.54	
05 12 23 00-0653 LF 1-3/4" Carbon Steel Rounds, ASTM A108 .....	46.25	
For 316 Stainless Steel, Add	119.62	
For Aluminum, Add	6.73	
For Galvanized Steel, Add	23.18	
For 304 Stainless Steel, Add	106.53	
05 12 23 00-0654 LF 1-7/8" Carbon Steel Rounds, ASTM A108 .....	55.50	
For 316 Stainless Steel, Add	140.13	
For Aluminum, Add	7.88	
For Galvanized Steel, Add	27.15	
For 304 Stainless Steel, Add	124.80	
05 12 23 00-0655 LF 2" Carbon Steel Rounds, ASTM A108 .....	63.19	
For 316 Stainless Steel, Add	155.87	
For Aluminum, Add	8.77	
For Galvanized Steel, Add	30.20	
For 304 Stainless Steel, Add	138.82	
05 12 23 00-0656 LF 2-1/8" Carbon Steel Rounds, ASTM A108 .....	73.63	
For 316 Stainless Steel, Add	178.02	
For Aluminum, Add	10.01	
For Galvanized Steel, Add	34.49	
For 304 Stainless Steel, Add	158.55	
05 12 23 00-0657 LF 2-1/4" Carbon Steel Rounds, ASTM A108 .....	83.24	
For 316 Stainless Steel, Add	200.16	
For Aluminum, Add	11.26	
For Galvanized Steel, Add	38.78	
For 304 Stainless Steel, Add	178.27	
05 12 23 00-0658 LF 2-3/8" Carbon Steel Rounds, ASTM A108 .....	95.33	
For 316 Stainless Steel, Add	228.93	
For Aluminum, Add	12.88	
For Galvanized Steel, Add	44.35	
For 304 Stainless Steel, Add	203.89	
05 12 23 00-0659 LF 2-1/2" Carbon Steel Rounds, ASTM A108 .....	105.04	
For 316 Stainless Steel, Add	246.72	
For Aluminum, Add	13.88	
For Galvanized Steel, Add	47.80	
For 304 Stainless Steel, Add	219.74	
05 12 23 00-0660 LF 2-5/8" Carbon Steel Rounds, ASTM A108 .....	128.98	
For 316 Stainless Steel, Add	313.41	
For Aluminum, Add	17.63	
For Galvanized Steel, Add	60.72	
For 304 Stainless Steel, Add	279.13	
05 12 23 00-0661 LF 2-3/4" Carbon Steel Rounds, ASTM A108 .....	146.87	
For 316 Stainless Steel, Add	357.41	
For Aluminum, Add	20.10	
For Galvanized Steel, Add	69.25	
For 304 Stainless Steel, Add	318.32	
05 12 23 00-0662 LF 2-7/8 Carbon Steel Rounds, ASTM A108 .....	163.77	
For 316 Stainless Steel, Add	398.27	
For Aluminum, Add	22.40	
For Galvanized Steel, Add	77.17	
For 304 Stainless Steel, Add	354.71	
05 12 23 00-0663 LF 3" Carbon Steel Rounds, ASTM A108 .....	171.64	
For 316 Stainless Steel, Add	410.21	
For Aluminum, Add	23.07	
For Galvanized Steel, Add	79.48	
For 304 Stainless Steel, Add	365.34	
05 12 23 00-0664 LF 3-1/8" Carbon Steel Rounds, ASTM A108 .....	178.63	
For 316 Stainless Steel, Add	419.33	
For Aluminum, Add	23.59	
For Galvanized Steel, Add	81.24	
For 304 Stainless Steel, Add	373.46	
05 12 23 00-0665 LF 3-1/4" Carbon Steel Rounds, ASTM A108 .....	188.11	
For 316 Stainless Steel, Add	436.42	
For Aluminum, Add	24.55	
For Galvanized Steel, Add	84.56	
For 304 Stainless Steel, Add	368.68	
05 12 23 00-0666 LF 3-1/2" Carbon Steel Rounds, ASTM A108 .....	229.96	
For 316 Stainless Steel, Add	553.76	
For Aluminum, Add	31.15	
For Galvanized Steel, Add	107.29	
For 304 Stainless Steel, Add	493.19	



<b>Metals</b>	<b>05</b>	<b>05</b>
Structural Metal Framing	05 10	
Structural Steel Framing	05 12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0667 LF 3-5/8" Carbon Steel Rounds, ASTM A108.....	255.66	
For 316 Stainless Steel, Add	619.46	
For Aluminum, Add	34.84	
For Galvanized Steel, Add	120.02	
For 304 Stainless Steel, Add	551.70	
05 12 23 00-0668 LF 3-3/4" Carbon Steel Rounds, ASTM A108.....	274.33	
For 316 Stainless Steel, Add	662.66	
For Aluminum, Add	37.27	
For Galvanized Steel, Add	128.39	
For 304 Stainless Steel, Add	590.18	
05 12 23 00-0669 LF 4" Carbon Steel Rounds, ASTM A108.....	308.18	
For 316 Stainless Steel, Add	754.43	
For Aluminum, Add	42.44	
For Galvanized Steel, Add	146.17	
For 304 Stainless Steel, Add	671.92	
<b>05 12 23 00-0670 Square Stock (05 12 23 00-0422)</b>		
05 12 23 00-0671 LF 3/8" Square Bar Stock.....	1.94	
For 316 Stainless Steel, Add	2.34	
For Aluminum, Add	0.13	
For Galvanized Steel, Add	0.45	
For 304 Stainless Steel, Add	2.08	
05 12 23 00-0672 LF 1/2" Square Bar Stock.....	2.63	
For 316 Stainless Steel, Add	4.16	
For Aluminum, Add	0.23	
For Galvanized Steel, Add	0.81	
For 304 Stainless Steel, Add	3.71	
05 12 23 00-0673 LF 5/8" Square Bar Stock.....	3.51	
For 316 Stainless Steel, Add	6.50	
For Aluminum, Add	0.37	
For Galvanized Steel, Add	1.26	
For 304 Stainless Steel, Add	5.79	
05 12 23 00-0674 LF 3/4" Square Bar Stock.....	4.69	
For 316 Stainless Steel, Add	9.34	
For Aluminum, Add	0.53	
For Galvanized Steel, Add	1.81	
For 304 Stainless Steel, Add	8.32	
05 12 23 00-0675 LF 7/8" Square Bar Stock.....	6.13	
For 316 Stainless Steel, Add	13.06	
For Aluminum, Add	0.73	
For Galvanized Steel, Add	2.53	
For 304 Stainless Steel, Add	11.63	
05 12 23 00-0676 LF 1" Square Bar Stock.....	7.63	
For 316 Stainless Steel, Add	16.67	
For Aluminum, Add	0.94	
For Galvanized Steel, Add	3.23	
For 304 Stainless Steel, Add	14.85	
05 12 23 00-0677 LF 1-1/4" Square Bar Stock.....	11.93	
For 316 Stainless Steel, Add	26.02	
For Aluminum, Add	1.46	
For Galvanized Steel, Add	5.04	
For 304 Stainless Steel, Add	23.17	
05 12 23 00-0678 LF 1-1/2" Square Bar Stock.....	17.03	
For 316 Stainless Steel, Add	37.47	
For Aluminum, Add	2.11	
For Galvanized Steel, Add	7.26	
For 304 Stainless Steel, Add	33.37	
05 12 23 00-0679 LF 1-3/4" Square Bar Stock.....	25.15	
For 316 Stainless Steel, Add	52.10	
For Aluminum, Add	2.93	
For Galvanized Steel, Add	10.09	
For 304 Stainless Steel, Add	46.40	
05 12 23 00-0680 LF 2" Square Bar Stock.....	35.71	
For 316 Stainless Steel, Add	66.62	
For Aluminum, Add	3.75	
For Galvanized Steel, Add	12.91	
For 304 Stainless Steel, Add	59.34	
<b>05 12 23 00-0681 Steel Tubing (05 12 23 00-0422)</b>		
Note: General purpose low-carbon steel.		
<b>05 12 23 00-0682 Square Steel Tubing (05 12 23 00-0681)</b>		
<b>05 12 23 00-0683 0.06" Wall Thickness (05 12 23 00-0682)</b>		
05 12 23 00-0684 LF 1/2" x 1/2" x 0.06" Square Steel Tubing.....	2.68	0.57
For >100 To 250, Deduct	-0.06	
For >250 To 500, Deduct	-0.12	
For >500 To 1,000, Deduct	-0.21	
For >1,000, Deduct	-0.30	
For 316 Stainless Steel, Add	6.11	
For Aluminum, Add	0.34	
For Galvanized Steel, Add	1.18	
For 304 Stainless Steel, Add	5.44	

**05 Metals****05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0685	LF		3/4" x 3/4" x 0.06" Square Steel Tubing.....	4.11	0.90
			<i>For &gt;100 To 250, Deduct</i>	-0.09	
			<i>For &gt;250 To 500, Deduct</i>	-0.19	
			<i>For &gt;500 To 1,000, Deduct</i>	-0.33	
			<i>For &gt;1,000, Deduct</i>	-0.46	
			<i>For 316 Stainless Steel, Add</i>	9.31	
			<i>For Aluminum, Add</i>	0.52	
			<i>For Galvanized Steel, Add</i>	1.80	
			<i>For 304 Stainless Steel, Add</i>	8.29	
05 12 23 00-0686	LF		1" x 1" x 0.06" Square Steel Tubing.....	5.53	1.63
			<i>For &gt;100 To 250, Deduct</i>	-0.12	
			<i>For &gt;250 To 500, Deduct</i>	-0.26	
			<i>For &gt;500 To 1,000, Deduct</i>	-0.44	
			<i>For &gt;1,000, Deduct</i>	-0.62	
			<i>For 316 Stainless Steel, Add</i>	12.48	
			<i>For Aluminum, Add</i>	0.70	
			<i>For Galvanized Steel, Add</i>	2.42	
			<i>For 304 Stainless Steel, Add</i>	11.12	
05 12 23 00-0687	LF		1-1/4" x 1-1/4" x 0.06" Square Steel Tubing.....	7.32	1.55
			<i>For &gt;100 To 250, Deduct</i>	-0.16	
			<i>For &gt;250 To 500, Deduct</i>	-0.34	
			<i>For &gt;500 To 1,000, Deduct</i>	-0.57	
			<i>For &gt;1,000, Deduct</i>	-0.81	
			<i>For 316 Stainless Steel, Add</i>	16.80	
			<i>For Aluminum, Add</i>	0.95	
			<i>For Galvanized Steel, Add</i>	3.26	
			<i>For 304 Stainless Steel, Add</i>	14.96	
05 12 23 00-0688	LF		1-1/2" x 1-1/2" x 0.06" Square Steel Tubing.....	8.66	1.87
			<i>For &gt;100 To 250, Deduct</i>	-0.19	
			<i>For &gt;250 To 500, Deduct</i>	-0.40	
			<i>For &gt;500 To 1,000, Deduct</i>	-0.68	
			<i>For &gt;1,000, Deduct</i>	-0.96	
			<i>For 316 Stainless Steel, Add</i>	19.71	
			<i>For Aluminum, Add</i>	1.11	
			<i>For Galvanized Steel, Add</i>	3.82	
			<i>For 304 Stainless Steel, Add</i>	17.56	
<b>05 12 23 00-0689</b>			<b>0.083" Wall Thickness</b> (05 12 23 00-0692)		
05 12 23 00-0690	LF		3/4" x 3/4" x 0.083" Square Steel Tubing.....	4.78	1.05
			<i>For &gt;100 To 250, Deduct</i>	-0.11	
			<i>For &gt;250 To 500, Deduct</i>	-0.22	
			<i>For &gt;500 To 1,000, Deduct</i>	-0.38	
			<i>For &gt;1,000, Deduct</i>	-0.53	
			<i>For 316 Stainless Steel, Add</i>	10.82	
			<i>For Aluminum, Add</i>	0.61	
			<i>For Galvanized Steel, Add</i>	2.10	
			<i>For 304 Stainless Steel, Add</i>	9.63	
05 12 23 00-0691	LF		1" x 1" x 0.083" Square Steel Tubing.....	6.98	1.45
			<i>For &gt;100 To 250, Deduct</i>	-0.14	
			<i>For &gt;250 To 500, Deduct</i>	-0.32	
			<i>For &gt;500 To 1,000, Deduct</i>	-0.54	
			<i>For &gt;1,000, Deduct</i>	-0.76	
			<i>For 316 Stainless Steel, Add</i>	16.19	
			<i>For Aluminum, Add</i>	0.91	
			<i>For Galvanized Steel, Add</i>	3.14	
			<i>For 304 Stainless Steel, Add</i>	14.42	
05 12 23 00-0692	LF		1-1/4" x 1-1/4" x 0.083" Square Steel Tubing.....	8.43	1.84
			<i>For &gt;100 To 250, Deduct</i>	-0.18	
			<i>For &gt;250 To 500, Deduct</i>	-0.40	
			<i>For &gt;500 To 1,000, Deduct</i>	-0.67	
			<i>For &gt;1,000, Deduct</i>	-0.94	
			<i>For 316 Stainless Steel, Add</i>	19.10	
			<i>For Aluminum, Add</i>	1.07	
			<i>For Galvanized Steel, Add</i>	3.70	
			<i>For 304 Stainless Steel, Add</i>	17.01	
05 12 23 00-0693	LF		1-1/2" x 1-1/2" x 0.083" Square Steel Tubing.....	10.18	2.24
			<i>For &gt;100 To 250, Deduct</i>	-0.22	
			<i>For &gt;250 To 500, Deduct</i>	-0.48	
			<i>For &gt;500 To 1,000, Deduct</i>	-0.81	
			<i>For &gt;1,000, Deduct</i>	-1.14	
			<i>For 316 Stainless Steel, Add</i>	23.04	
			<i>For Aluminum, Add</i>	1.30	
			<i>For Galvanized Steel, Add</i>	4.46	
			<i>For 304 Stainless Steel, Add</i>	20.52	
05 12 23 00-0694	LF		2" x 2" x 0.083" Square Steel Tubing.....	13.04	2.98
			<i>For &gt;100 To 250, Deduct</i>	-0.30	
			<i>For &gt;250 To 500, Deduct</i>	-0.62	
			<i>For &gt;500 To 1,000, Deduct</i>	-1.05	
			<i>For &gt;1,000, Deduct</i>	-1.47	
			<i>For 316 Stainless Steel, Add</i>	29.02	
			<i>For Aluminum, Add</i>	1.63	
			<i>For Galvanized Steel, Add</i>	5.62	
			<i>For 304 Stainless Steel, Add</i>	25.85	





<b>Metals</b>	<b>05</b>	<b>05</b>
Structural Metal Framing	05 10	
Structural Steel Framing	05 12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>05 12 23 00-0695    0.12" Wall Thickness</b> <small>(05 12 23 00-0682)</small>		
05 12 23 00-0696    LF    1" x 1" x 0.12" Square Steel Tubing.....	7.69	1.72
For >100 To 250, Deduct	-0.17	
For >250 To 500, Deduct	-0.36	
For >500 To 1,000, Deduct	-0.61	
For >1,000, Deduct	-0.86	
For 316 Stainless Steel, Add	17.25	
For Aluminum, Add	0.97	
For Galvanized Steel, Add	3.34	
For 304 Stainless Steel, Add	15.36	
05 12 23 00-0697    LF    1-1/4" x 1-1/4" x 0.12" Square Steel Tubing.....	9.90	2.21
For >100 To 250, Deduct	-0.22	
For >250 To 500, Deduct	-0.47	
For >500 To 1,000, Deduct	-0.79	
For >1,000, Deduct	-1.11	
For 316 Stainless Steel, Add	22.27	
For Aluminum, Add	1.25	
For Galvanized Steel, Add	4.32	
For 304 Stainless Steel, Add	19.84	
05 12 23 00-0698    LF    1-1/2" x 1-1/2" x 0.12" Square Steel Tubing.....	12.16	2.70
For >100 To 250, Deduct	-0.27	
For >250 To 500, Deduct	-0.57	
For >500 To 1,000, Deduct	-0.97	
For >1,000, Deduct	-1.36	
For 316 Stainless Steel, Add	27.39	
For Aluminum, Add	1.54	
For Galvanized Steel, Add	5.31	
For 304 Stainless Steel, Add	24.40	
05 12 23 00-0699    LF    2" x 2" x 0.12" Square Steel Tubing.....	16.45	3.68
For >100 To 250, Deduct	-0.37	
For >250 To 500, Deduct	-0.78	
For >500 To 1,000, Deduct	-1.31	
For >1,000, Deduct	-1.85	
For 316 Stainless Steel, Add	36.96	
For Aluminum, Add	2.08	
For Galvanized Steel, Add	7.16	
For 304 Stainless Steel, Add	32.92	
<b>05 12 23 00-0700    1/8" Wall Thickness</b> <small>(05 12 23 00-0682)</small>		
05 12 23 00-0701    LF    2" x 2" x 1/8" Square Steel Tubing.....	14.72	3.82
For >100 To 250, Deduct	-0.38	
For >250 To 500, Deduct	-0.75	
For >500 To 1,000, Deduct	-1.25	
For >1,000, Deduct	-1.74	
For 316 Stainless Steel, Add	30.82	
For Aluminum, Add	1.73	
For Galvanized Steel, Add	5.97	
For 304 Stainless Steel, Add	27.45	
05 12 23 00-0702    LF    2-1/2" x 2-1/2" x 1/8" Square Steel Tubing.....	19.45	4.84
For >100 To 250, Deduct	-0.48	
For >250 To 500, Deduct	-0.97	
For >500 To 1,000, Deduct	-1.62	
For >1,000, Deduct	-2.27	
For 316 Stainless Steel, Add	41.60	
For Aluminum, Add	2.34	
For Galvanized Steel, Add	8.06	
For 304 Stainless Steel, Add	37.05	
05 12 23 00-0703    LF    3" x 3" x 1/8" Square Steel Tubing.....	22.76	5.85
For >100 To 250, Deduct	-0.59	
For >250 To 500, Deduct	-1.15	
For >500 To 1,000, Deduct	-1.92	
For >1,000, Deduct	-2.68	
For 316 Stainless Steel, Add	47.84	
For Aluminum, Add	2.69	
For Galvanized Steel, Add	9.27	
For 304 Stainless Steel, Add	42.61	
05 12 23 00-0704    LF    3-1/2" x 3-1/2" x 1/8" Square Steel Tubing.....	26.36	6.87
For >100 To 250, Deduct	-0.69	
For >250 To 500, Deduct	-1.35	
For >500 To 1,000, Deduct	-2.24	
For >1,000, Deduct	-3.12	
For 316 Stainless Steel, Add	55.01	
For Aluminum, Add	3.09	
For Galvanized Steel, Add	10.66	
For 304 Stainless Steel, Add	48.99	
05 12 23 00-0705    LF    4" x 4" x 1/8" Square Steel Tubing.....	28.98	7.89
For >100 To 250, Deduct	-0.79	
For >250 To 500, Deduct	-1.51	
For >500 To 1,000, Deduct	-2.50	
For >1,000, Deduct	-3.49	
For 316 Stainless Steel, Add	59.07	
For Aluminum, Add	3.32	
For Galvanized Steel, Add	11.45	
For 304 Stainless Steel, Add	52.61	

<b>05</b>	<b>05 Metals</b>
	<b>05 10 Structural Metal Framing</b>
	<b>05 12 Structural Steel Framing</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>05 12 23 00-0706</b>	<b>3/16" Wall Thickness</b> <small>(05 12 23 00-0682)</small>		
05 12 23 00-0707	LF 2" x 2" x 3/16" Square Steel Tubing.....	16.69	4.31
	For >100 To 250, Deduct	-0.43	
	For >250 To 500, Deduct	-0.85	
	For >500 To 1,000, Deduct	-1.41	
	For >1,000, Deduct	-1.97	
	For 316 Stainless Steel, Add	35.04	
	For Aluminum, Add	1.97	
	For Galvanized Steel, Add	6.79	
	For 304 Stainless Steel, Add	31.21	
05 12 23 00-0708	LF 2-1/2" x 2-1/2" x 3/16" Square Steel Tubing.....	21.61	5.57
	For >100 To 250, Deduct	-0.56	
	For >250 To 500, Deduct	-1.10	
	For >500 To 1,000, Deduct	-1.82	
	For >1,000, Deduct	-2.55	
	For 316 Stainless Steel, Add	45.34	
	For Aluminum, Add	2.55	
	For Galvanized Steel, Add	8.79	
	For 304 Stainless Steel, Add	40.38	
05 12 23 00-0709	LF 3" x 3" x 3/16" Square Steel Tubing.....	26.56	6.85
	For >100 To 250, Deduct	-0.69	
	For >250 To 500, Deduct	-1.35	
	For >500 To 1,000, Deduct	-2.24	
	For >1,000, Deduct	-3.13	
	For 316 Stainless Steel, Add	55.74	
	For Aluminum, Add	3.14	
	For Galvanized Steel, Add	10.80	
	For 304 Stainless Steel, Add	49.65	
05 12 23 00-0710	LF 3-1/2" x 3-1/2" x 3/16" Square Steel Tubing.....	31.51	8.13
	For >100 To 250, Deduct	-0.81	
	For >250 To 500, Deduct	-1.60	
	For >500 To 1,000, Deduct	-2.66	
	For >1,000, Deduct	-3.72	
	For 316 Stainless Steel, Add	66.14	
	For Aluminum, Add	3.72	
	For Galvanized Steel, Add	12.82	
	For 304 Stainless Steel, Add	58.91	
05 12 23 00-0711	LF 4" x 4" x 3/16" Square Steel Tubing.....	36.41	9.40
	For >100 To 250, Deduct	-0.94	
	For >250 To 500, Deduct	-1.85	
	For >500 To 1,000, Deduct	-3.07	
	For >1,000, Deduct	-4.30	
	For 316 Stainless Steel, Add	76.45	
	For Aluminum, Add	4.30	
	For Galvanized Steel, Add	14.81	
	For 304 Stainless Steel, Add	68.09	
05 12 23 00-0712	LF 4-1/2" x 4-1/2" x 3/16" Square Steel Tubing.....	41.36	10.67
	For >100 To 250, Deduct	-1.07	
	For >250 To 500, Deduct	-2.10	
	For >500 To 1,000, Deduct	-3.49	
	For >1,000, Deduct	-4.88	
	For 316 Stainless Steel, Add	86.82	
	For Aluminum, Add	4.88	
	For Galvanized Steel, Add	16.82	
	For 304 Stainless Steel, Add	77.32	
05 12 23 00-0713	LF 5" x 5" x 3/16" Square Steel Tubing.....	46.27	11.94
	For >100 To 250, Deduct	-1.19	
	For >250 To 500, Deduct	-2.35	
	For >500 To 1,000, Deduct	-3.91	
	For >1,000, Deduct	-5.46	
	For 316 Stainless Steel, Add	97.12	
	For Aluminum, Add	5.46	
	For Galvanized Steel, Add	18.82	
	For 304 Stainless Steel, Add	86.50	
05 12 23 00-0714	LF 6" x 6" x 3/16" Square Steel Tubing.....	56.17	14.49
	For >100 To 250, Deduct	-1.45	
	For >250 To 500, Deduct	-2.85	
	For >500 To 1,000, Deduct	-4.74	
	For >1,000, Deduct	-6.63	
	For 316 Stainless Steel, Add	117.89	
	For Aluminum, Add	6.63	
	For Galvanized Steel, Add	22.84	
	For 304 Stainless Steel, Add	104.99	

05 12 23 00-0715 1/4" Wall Thickness (05 12 23 00-0682)



	<b>Metals</b>	<b>05</b>
	Structural Metal Framing	05 10
	Structural Steel Framing	05 12

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0716 LF 2" x 2" x 1/4" Square Steel Tubing.....	17.86	4.31
For >100 To 250, Deduct	-0.43	
For >250 To 500, Deduct	-0.88	
For >500 To 1,000, Deduct	-1.47	
For >1,000, Deduct	-2.06	
For 316 Stainless Steel, Add	38.75	
For Aluminum, Add	2.18	
For Galvanized Steel, Add	7.51	
For 304 Stainless Steel, Add	34.51	
05 12 23 00-0717 LF 2-1/2" x 2-1/2" x 1/4" Square Steel Tubing .....	23.48	5.67
For >100 To 250, Deduct	-0.57	
For >250 To 500, Deduct	-1.15	
For >500 To 1,000, Deduct	-1.93	
For >1,000, Deduct	-2.71	
For 316 Stainless Steel, Add	50.91	
For Aluminum, Add	2.86	
For Galvanized Steel, Add	9.86	
For 304 Stainless Steel, Add	45.34	
05 12 23 00-0718 LF 3" x 3" x 1/4" Square Steel Tubing.....	29.09	7.03
For >100 To 250, Deduct	-0.70	
For >250 To 500, Deduct	-1.43	
For >500 To 1,000, Deduct	-2.39	
For >1,000, Deduct	-3.35	
For 316 Stainless Steel, Add	63.10	
For Aluminum, Add	3.55	
For Galvanized Steel, Add	12.23	
For 304 Stainless Steel, Add	56.20	
05 12 23 00-0719 LF 3-1/2" x 3-1/2" x 1/4" Square Steel Tubing .....	34.70	8.38
For >100 To 250, Deduct	-0.84	
For >250 To 500, Deduct	-1.71	
For >500 To 1,000, Deduct	-2.85	
For >1,000, Deduct	-4.00	
For 316 Stainless Steel, Add	75.26	
For Aluminum, Add	4.23	
For Galvanized Steel, Add	14.58	
For 304 Stainless Steel, Add	67.03	
05 12 23 00-0720 LF 4" x 4" x 1/4" Square Steel Tubing.....	40.31	9.74
For >100 To 250, Deduct	-0.97	
For >250 To 500, Deduct	-1.98	
For >500 To 1,000, Deduct	-3.31	
For >1,000, Deduct	-4.65	
For 316 Stainless Steel, Add	87.42	
For Aluminum, Add	4.92	
For Galvanized Steel, Add	16.94	
For 304 Stainless Steel, Add	77.86	
05 12 23 00-0721 LF 4-1/2" x 4-1/2" x 1/4" Square Steel Tubing .....	45.93	11.10
For >100 To 250, Deduct	-1.11	
For >250 To 500, Deduct	-2.26	
For >500 To 1,000, Deduct	-3.78	
For >1,000, Deduct	-5.29	
For 316 Stainless Steel, Add	99.62	
For Aluminum, Add	5.60	
For Galvanized Steel, Add	19.30	
For 304 Stainless Steel, Add	88.72	
05 12 23 00-0722 LF 5" x 5" x 1/4" Square Steel Tubing.....	51.58	12.46
For >100 To 250, Deduct	-1.25	
For >250 To 500, Deduct	-2.54	
For >500 To 1,000, Deduct	-4.24	
For >1,000, Deduct	-5.95	
For 316 Stainless Steel, Add	111.87	
For Aluminum, Add	6.29	
For Galvanized Steel, Add	21.68	
For 304 Stainless Steel, Add	99.64	
05 12 23 00-0723 LF 6" x 6" x 1/4" Square Steel Tubing.....	62.80	15.17
For >100 To 250, Deduct	-1.52	
For >250 To 500, Deduct	-3.09	
For >500 To 1,000, Deduct	-5.16	
For >1,000, Deduct	-7.24	
For 316 Stainless Steel, Add	136.22	
For Aluminum, Add	7.66	
For Galvanized Steel, Add	26.39	
For 304 Stainless Steel, Add	121.32	
<b>05 12 23 00-0724 Rectangular Steel Tubing (05 12 23 00-0681)</b>		
<b>05 12 23 00-0725 3/16" Wall Thickness (05 12 23 00-0724)</b>		
05 12 23 00-0726 LF 3" x 2" x 3/16" Square Steel Tubing.....	21.61	5.57
For >100 To 250, Deduct	-0.56	
For >250 To 500, Deduct	-1.10	
For >500 To 1,000, Deduct	-1.82	
For >1,000, Deduct	-2.55	
For 316 Stainless Steel, Add	45.34	
For Aluminum, Add	2.55	
For Galvanized Steel, Add	8.79	
For 304 Stainless Steel, Add	40.38	

**05 Metals****05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0727 LF 4" x 2" x 3/16" Square Steel Tubing.....	26.56	6.85
For >100 To 250, Deduct	-0.69	
For >250 To 500, Deduct	-1.35	
For >500 To 1,000, Deduct	-2.24	
For >1,000, Deduct	-3.13	
For 316 Stainless Steel, Add	55.74	
For Aluminum, Add	3.14	
For Galvanized Steel, Add	10.80	
For 304 Stainless Steel, Add	49.65	
05 12 23 00-0728 LF 4" x 3" x 3/16" Square Steel Tubing.....	31.51	8.13
For >100 To 250, Deduct	-0.81	
For >250 To 500, Deduct	-1.60	
For >500 To 1,000, Deduct	-2.66	
For >1,000, Deduct	-3.72	
For 316 Stainless Steel, Add	66.14	
For Aluminum, Add	3.72	
For Galvanized Steel, Add	12.82	
For 304 Stainless Steel, Add	58.91	
05 12 23 00-0729 LF 5" x 2" x 3/16" Square Steel Tubing.....	31.51	8.13
For >100 To 250, Deduct	-0.81	
For >250 To 500, Deduct	-1.60	
For >500 To 1,000, Deduct	-2.66	
For >1,000, Deduct	-3.72	
For 316 Stainless Steel, Add	66.14	
For Aluminum, Add	3.72	
For Galvanized Steel, Add	12.82	
For 304 Stainless Steel, Add	58.91	
05 12 23 00-0730 LF 5" x 3" x 3/16" Square Steel Tubing.....	36.41	9.40
For >100 To 250, Deduct	-0.94	
For >250 To 500, Deduct	-1.85	
For >500 To 1,000, Deduct	-3.07	
For >1,000, Deduct	-4.30	
For 316 Stainless Steel, Add	76.45	
For Aluminum, Add	4.30	
For Galvanized Steel, Add	14.81	
For 304 Stainless Steel, Add	68.09	
05 12 23 00-0731 LF 5" x 4" x 3/16" Square Steel Tubing.....	41.36	10.67
For >100 To 250, Deduct	-1.07	
For >250 To 500, Deduct	-2.10	
For >500 To 1,000, Deduct	-3.49	
For >1,000, Deduct	-4.88	
For 316 Stainless Steel, Add	86.82	
For Aluminum, Add	4.88	
For Galvanized Steel, Add	16.82	
For 304 Stainless Steel, Add	77.32	
05 12 23 00-0732 LF 6" x 2" x 3/16" Square Steel Tubing.....	36.41	9.40
For >100 To 250, Deduct	-0.94	
For >250 To 500, Deduct	-1.85	
For >500 To 1,000, Deduct	-3.07	
For >1,000, Deduct	-4.30	
For 316 Stainless Steel, Add	76.45	
For Aluminum, Add	4.30	
For Galvanized Steel, Add	14.81	
For 304 Stainless Steel, Add	68.09	
05 12 23 00-0733 LF 6" x 3" x 3/16" Square Steel Tubing.....	41.36	10.67
For >100 To 250, Deduct	-1.07	
For >250 To 500, Deduct	-2.10	
For >500 To 1,000, Deduct	-3.49	
For >1,000, Deduct	-4.88	
For 316 Stainless Steel, Add	86.82	
For Aluminum, Add	4.88	
For Galvanized Steel, Add	16.82	
For 304 Stainless Steel, Add	77.32	
05 12 23 00-0734 LF 6" x 4" x 3/16" Square Steel Tubing.....	46.27	11.94
For >100 To 250, Deduct	-1.19	
For >250 To 500, Deduct	-2.35	
For >500 To 1,000, Deduct	-3.91	
For >1,000, Deduct	-5.46	
For 316 Stainless Steel, Add	97.12	
For Aluminum, Add	5.46	
For Galvanized Steel, Add	18.82	
For 304 Stainless Steel, Add	86.50	
<b>05 12 23 00-0735 1/4" Wall Thickness</b> (05 12 23 00-0724)		
05 12 23 00-0736 LF 3" x 2" x 1/4" Square Steel Tubing.....	23.48	5.67
For >100 To 250, Deduct	-0.57	
For >250 To 500, Deduct	-1.15	
For >500 To 1,000, Deduct	-1.93	
For >1,000, Deduct	-2.71	
For 316 Stainless Steel, Add	50.91	
For Aluminum, Add	2.86	
For Galvanized Steel, Add	9.86	
For 304 Stainless Steel, Add	45.34	



<b>Metals</b>	<b>05</b>	<b>05</b>
Structural Metal Framing	05 10	
Structural Steel Framing	05 12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0737 LF 4" x 2" x 1/4" Square Steel Tubing.....	29.09	7.03
For >100 To 250, Deduct	-0.70	
For >250 To 500, Deduct	-1.43	
For >500 To 1,000, Deduct	-2.39	
For >1,000, Deduct	-3.35	
For 316 Stainless Steel, Add	63.10	
For Aluminum, Add	3.55	
For Galvanized Steel, Add	12.23	
For 304 Stainless Steel, Add	56.20	
05 12 23 00-0738 LF 4" x 3" x 1/4" Square Steel Tubing.....	34.70	8.38
For >100 To 250, Deduct	-0.84	
For >250 To 500, Deduct	-1.71	
For >500 To 1,000, Deduct	-2.85	
For >1,000, Deduct	-4.00	
For 316 Stainless Steel, Add	75.26	
For Aluminum, Add	4.23	
For Galvanized Steel, Add	14.58	
For 304 Stainless Steel, Add	67.03	
05 12 23 00-0739 LF 5" x 2" x 1/4" Square Steel Tubing.....	34.70	8.38
For >100 To 250, Deduct	-0.84	
For >250 To 500, Deduct	-1.71	
For >500 To 1,000, Deduct	-2.85	
For >1,000, Deduct	-4.00	
For 316 Stainless Steel, Add	75.26	
For Aluminum, Add	4.23	
For Galvanized Steel, Add	14.58	
For 304 Stainless Steel, Add	67.03	
05 12 23 00-0740 LF 5" x 3" x 1/4" Square Steel Tubing.....	40.31	9.74
For >100 To 250, Deduct	-0.97	
For >250 To 500, Deduct	-1.98	
For >500 To 1,000, Deduct	-3.31	
For >1,000, Deduct	-4.65	
For 316 Stainless Steel, Add	87.42	
For Aluminum, Add	4.92	
For Galvanized Steel, Add	16.94	
For 304 Stainless Steel, Add	77.86	
05 12 23 00-0741 LF 5" x 4" x 1/4" Square Steel Tubing.....	45.93	11.10
For >100 To 250, Deduct	-1.11	
For >250 To 500, Deduct	-2.26	
For >500 To 1,000, Deduct	-3.78	
For >1,000, Deduct	-5.29	
For 316 Stainless Steel, Add	99.62	
For Aluminum, Add	5.60	
For Galvanized Steel, Add	19.30	
For 304 Stainless Steel, Add	88.72	
05 12 23 00-0742 LF 6" x 2" x 1/4" Square Steel Tubing.....	40.31	9.74
For >100 To 250, Deduct	-0.97	
For >250 To 500, Deduct	-1.98	
For >500 To 1,000, Deduct	-3.31	
For >1,000, Deduct	-4.65	
For 316 Stainless Steel, Add	87.42	
For Aluminum, Add	4.92	
For Galvanized Steel, Add	16.94	
For 304 Stainless Steel, Add	77.86	
05 12 23 00-0743 LF 6" x 3" x 1/4" Square Steel Tubing.....	45.93	11.10
For >100 To 250, Deduct	-1.11	
For >250 To 500, Deduct	-2.26	
For >500 To 1,000, Deduct	-3.78	
For >1,000, Deduct	-5.29	
For 316 Stainless Steel, Add	99.62	
For Aluminum, Add	5.60	
For Galvanized Steel, Add	19.30	
For 304 Stainless Steel, Add	88.72	
05 12 23 00-0744 LF 6" x 4" x 1/4" Square Steel Tubing.....	51.58	12.46
For >100 To 250, Deduct	-1.25	
For >250 To 500, Deduct	-2.54	
For >500 To 1,000, Deduct	-4.24	
For >1,000, Deduct	-5.95	
For 316 Stainless Steel, Add	111.87	
For Aluminum, Add	6.29	
For Galvanized Steel, Add	21.68	
For 304 Stainless Steel, Add	99.64	
<b>05 12 23 00-0745 Round Steel Tubing</b> <small>(05 12 23 00-0681)</small>		
<b>05 12 23 00-0746 0.065" Wall Thickness</b> <small>(05 12 23 00-0745)</small>		
05 12 23 00-0747 LF 1" Diameter x 0.065" Round Steel Tubing.....	4.78	1.04
For >100 To 250, Deduct	-0.10	
For >250 To 500, Deduct	-0.22	
For >500 To 1,000, Deduct	-0.38	
For >1,000, Deduct	-0.53	
For 316 Stainless Steel, Add	10.88	
For Aluminum, Add	0.61	
For Galvanized Steel, Add	2.11	
For 304 Stainless Steel, Add	9.69	

**05 Metals****05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0748 LF 1-1/4" Diameter x 0.065" Round Steel Tubing .....	6.06	1.31
For >100 To 250, Deduct	-0.13	
For >250 To 500, Deduct	-0.28	
For >500 To 1,000, Deduct	-0.48	
For >1,000, Deduct	-0.67	
For 316 Stainless Steel, Add	13.79	
For Aluminum, Add	0.78	
For Galvanized Steel, Add	2.67	
For 304 Stainless Steel, Add	12.28	
05 12 23 00-0749 LF 1-1/2" Diameter x 0.065" Round Steel Tubing .....	7.34	1.59
For >100 To 250, Deduct	-0.16	
For >250 To 500, Deduct	-0.34	
For >500 To 1,000, Deduct	-0.58	
For >1,000, Deduct	-0.82	
For 316 Stainless Steel, Add	16.70	
For Aluminum, Add	0.94	
For Galvanized Steel, Add	3.24	
For 304 Stainless Steel, Add	14.88	
05 12 23 00-0750 LF 2" Diameter x 0.065" Round Steel Tubing .....	9.90	2.15
For >100 To 250, Deduct	-0.21	
For >250 To 500, Deduct	-0.46	
For >500 To 1,000, Deduct	-0.78	
For >1,000, Deduct	-1.10	
For 316 Stainless Steel, Add	22.53	
For Aluminum, Add	1.27	
For Galvanized Steel, Add	4.36	
For 304 Stainless Steel, Add	20.06	
05 12 23 00-0751 LF 2-1/2" Diameter x 0.065" Round Steel Tubing .....	12.46	2.70
For >100 To 250, Deduct	-0.27	
For >250 To 500, Deduct	-0.58	
For >500 To 1,000, Deduct	-0.98	
For >1,000, Deduct	-1.38	
For 316 Stainless Steel, Add	28.35	
For Aluminum, Add	1.59	
For Galvanized Steel, Add	5.49	
For 304 Stainless Steel, Add	25.25	
05 12 23 00-0752 LF 3" Diameter x 0.065" Round Steel Tubing .....	15.01	3.25
For >100 To 250, Deduct	-0.32	
For >250 To 500, Deduct	-0.70	
For >500 To 1,000, Deduct	-1.18	
For >1,000, Deduct	-1.67	
For 316 Stainless Steel, Add	34.18	
For Aluminum, Add	1.92	
For Galvanized Steel, Add	6.62	
For 304 Stainless Steel, Add	30.44	
05 12 23 00-0753 LF 3-1/2" Diameter x 0.065" Round Steel Tubing .....	17.58	3.81
For >100 To 250, Deduct	-0.38	
For >250 To 500, Deduct	-0.82	
For >500 To 1,000, Deduct	-1.39	
For >1,000, Deduct	-1.95	
For 316 Stainless Steel, Add	40.00	
For Aluminum, Add	2.25	
For Galvanized Steel, Add	7.75	
For 304 Stainless Steel, Add	35.63	
05 12 23 00-0754 LF 4" Diameter x 0.065" Round Steel Tubing .....	20.13	4.36
For >100 To 250, Deduct	-0.44	
For >250 To 500, Deduct	-0.94	
For >500 To 1,000, Deduct	-1.59	
For >1,000, Deduct	-2.24	
For 316 Stainless Steel, Add	45.82	
For Aluminum, Add	2.58	
For Galvanized Steel, Add	8.88	
For 304 Stainless Steel, Add	40.81	
<b>05 12 23 00-0755 0.083" Wall Thickness (05 12 23 00-0745)</b>		
05 12 23 00-0756 LF 1" Diameter x 0.083" Round Steel Tubing .....	5.19	1.14
For >100 To 250, Deduct	-0.11	
For >250 To 500, Deduct	-0.24	
For >500 To 1,000, Deduct	-0.41	
For >1,000, Deduct	-0.58	
For 316 Stainless Steel, Add	11.78	
For Aluminum, Add	0.66	
For Galvanized Steel, Add	2.28	
For 304 Stainless Steel, Add	10.49	
05 12 23 00-0757 LF 1-1/4" Diameter x 0.083" Round Steel Tubing .....	6.60	1.44
For >100 To 250, Deduct	-0.14	
For >250 To 500, Deduct	-0.31	
For >500 To 1,000, Deduct	-0.52	
For >1,000, Deduct	-0.74	
For 316 Stainless Steel, Add	14.98	
For Aluminum, Add	0.84	
For Galvanized Steel, Add	2.90	
For 304 Stainless Steel, Add	13.34	



<b>Metals</b>	<b>05</b>	<b>05</b>
Structural Metal Framing	05 10	
Structural Steel Framing	05 12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0758 LF 1-1/2" Diameter x 0.083" Round Steel Tubing .....	8.03	1.75
For >100 To 250, Deduct	-0.18	
For >250 To 500, Deduct	-0.38	
For >500 To 1,000, Deduct	-0.64	
For >1,000, Deduct	-0.89	
For 316 Stainless Steel, Add	18.21	
For Aluminum, Add	1.02	
For Galvanized Steel, Add	3.53	
For 304 Stainless Steel, Add	16.22	
05 12 23 00-0759 LF 2" Diameter x 0.083" Round Steel Tubing .....	10.85	2.37
For >100 To 250, Deduct	-0.24	
For >250 To 500, Deduct	-0.51	
For >500 To 1,000, Deduct	-0.86	
For >1,000, Deduct	-1.21	
For 316 Stainless Steel, Add	24.61	
For Aluminum, Add	1.38	
For Galvanized Steel, Add	4.77	
For 304 Stainless Steel, Add	21.92	
05 12 23 00-0760 LF 2-1/2" Diameter x 0.083" Round Steel Tubing .....	13.69	2.99
For >100 To 250, Deduct	-0.30	
For >250 To 500, Deduct	-0.64	
For >500 To 1,000, Deduct	-1.08	
For >1,000, Deduct	-1.53	
For 316 Stainless Steel, Add	31.04	
For Aluminum, Add	1.75	
For Galvanized Steel, Add	6.01	
For 304 Stainless Steel, Add	27.65	
05 12 23 00-0761 LF 3" Diameter x 0.083" Round Steel Tubing .....	16.53	3.61
For >100 To 250, Deduct	-0.36	
For >250 To 500, Deduct	-0.77	
For >500 To 1,000, Deduct	-1.31	
For >1,000, Deduct	-1.84	
For 316 Stainless Steel, Add	37.47	
For Aluminum, Add	2.11	
For Galvanized Steel, Add	7.26	
For 304 Stainless Steel, Add	33.37	
05 12 23 00-0762 LF 3-1/2" Diameter x 0.083" Round Steel Tubing .....	19.36	4.23
For >100 To 250, Deduct	-0.42	
For >250 To 500, Deduct	-0.91	
For >500 To 1,000, Deduct	-1.53	
For >1,000, Deduct	-2.16	
For 316 Stainless Steel, Add	43.90	
For Aluminum, Add	2.47	
For Galvanized Steel, Add	8.51	
For 304 Stainless Steel, Add	39.10	
05 12 23 00-0763 LF 4" Diameter x 0.083" Round Steel Tubing .....	22.19	4.85
For >100 To 250, Deduct	-0.49	
For >250 To 500, Deduct	-1.04	
For >500 To 1,000, Deduct	-1.76	
For >1,000, Deduct	-2.47	
For 316 Stainless Steel, Add	50.30	
For Aluminum, Add	2.83	
For Galvanized Steel, Add	9.75	
For 304 Stainless Steel, Add	44.80	
<b>05 12 23 00-0764 0.125" Wall Thickness</b> <small>(05 12 23 00-0745)</small>		
05 12 23 00-0765 LF 2" Diameter x 0.125" Round Steel Tubing .....	11.54	2.99
For >100 To 250, Deduct	-0.30	
For >250 To 500, Deduct	-0.59	
For >500 To 1,000, Deduct	-0.98	
For >1,000, Deduct	-1.36	
For 316 Stainless Steel, Add	24.16	
For Aluminum, Add	1.36	
For Galvanized Steel, Add	4.68	
For 304 Stainless Steel, Add	21.52	
05 12 23 00-0766 LF 2-1/2" Diameter x 0.125" Round Steel Tubing .....	14.63	3.80
For >100 To 250, Deduct	-0.38	
For >250 To 500, Deduct	-0.75	
For >500 To 1,000, Deduct	-1.24	
For >1,000, Deduct	-1.73	
For 316 Stainless Steel, Add	30.62	
For Aluminum, Add	1.72	
For Galvanized Steel, Add	5.93	
For 304 Stainless Steel, Add	27.27	
05 12 23 00-0767 LF 3" Diameter x 0.125" Round Steel Tubing .....	17.71	4.59
For >100 To 250, Deduct	-0.46	
For >250 To 500, Deduct	-0.90	
For >500 To 1,000, Deduct	-1.50	
For >1,000, Deduct	-2.09	
For 316 Stainless Steel, Add	37.06	
For Aluminum, Add	2.08	
For Galvanized Steel, Add	7.18	
For 304 Stainless Steel, Add	33.00	

**05 Metals****05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0768 LF 3-1/2" Diameter x 0.125" Round Steel Tubing .....	20.78	5.39
For >100 To 250, Deduct	-0.54	
For >250 To 500, Deduct	-1.06	
For >500 To 1,000, Deduct	-1.76	
For >1,000, Deduct	-2.46	
For 316 Stainless Steel, Add	43.49	
For Aluminum, Add	2.45	
For Galvanized Steel, Add	8.43	
For 304 Stainless Steel, Add	38.73	
05 12 23 00-0769 LF 4" Diameter x 0.125" Round Steel Tubing .....	23.85	6.20
For >100 To 250, Deduct	-0.62	
For >250 To 500, Deduct	-1.22	
For >500 To 1,000, Deduct	-2.02	
For >1,000, Deduct	-2.82	
For 316 Stainless Steel, Add	49.92	
For Aluminum, Add	2.81	
For Galvanized Steel, Add	9.67	
For 304 Stainless Steel, Add	44.46	
<b>05 12 23 00-0770 Flat Steel Bar (05 12 23 00-0422)</b>		
<b>05 12 23 00-0771 1/8" Thick (05 12 23 00-0770)</b>		
05 12 23 00-0772 LF 1/8" Thick x 1" Wide Flat Steel Bar .....	3.28	1.49
For 316 Stainless Steel, Add	3.33	
For Aluminum, Add	0.19	
For Galvanized Steel, Add	0.64	
For 304 Stainless Steel, Add	2.96	
05 12 23 00-0773 LF 1/8" Thick x 2" Wide Flat Steel Bar .....	5.09	2.24
For 316 Stainless Steel, Add	5.54	
For Aluminum, Add	0.31	
For Galvanized Steel, Add	1.07	
For 304 Stainless Steel, Add	4.93	
05 12 23 00-0774 LF 1/8" Thick x 4" Wide Flat Steel Bar .....	7.87	3.15
For 316 Stainless Steel, Add	10.05	
For Aluminum, Add	0.57	
For Galvanized Steel, Add	1.95	
For 304 Stainless Steel, Add	8.95	
05 12 23 00-0775 LF 1/8" Thick x 6" Wide Flat Steel Bar .....	10.67	4.27
For 316 Stainless Steel, Add	13.60	
For Aluminum, Add	0.77	
For Galvanized Steel, Add	2.64	
For 304 Stainless Steel, Add	12.11	
<b>05 12 23 00-0776 3/16" Thick (05 12 23 00-0770)</b>		
05 12 23 00-0777 LF 3/16" Thick x 1" Wide Flat Steel Bar .....	4.36	1.85
For 316 Stainless Steel, Add	5.06	
For Aluminum, Add	0.28	
For Galvanized Steel, Add	0.98	
For 304 Stainless Steel, Add	4.50	
05 12 23 00-0778 LF 3/16" Thick x 2" Wide Flat Steel Bar .....	6.90	2.78
For 316 Stainless Steel, Add	8.74	
For Aluminum, Add	0.49	
For Galvanized Steel, Add	1.69	
For 304 Stainless Steel, Add	7.78	
05 12 23 00-0779 LF 3/16" Thick x 4" Wide Flat Steel Bar .....	9.40	3.19
For 316 Stainless Steel, Add	14.75	
For Aluminum, Add	0.83	
For Galvanized Steel, Add	2.86	
For 304 Stainless Steel, Add	13.14	
05 12 23 00-0780 LF 3/16" Thick x 6" Wide Flat Steel Bar .....	13.01	4.42
For 316 Stainless Steel, Add	20.38	
For Aluminum, Add	1.15	
For Galvanized Steel, Add	3.95	
For 304 Stainless Steel, Add	18.15	
<b>05 12 23 00-0781 1/4" Thick (05 12 23 00-0770)</b>		
05 12 23 00-0782 LF 1/4" Thick x 1" Wide Flat Steel Bar .....	4.49	1.95
For 316 Stainless Steel, Add	4.99	
For Aluminum, Add	0.28	
For Galvanized Steel, Add	0.97	
For 304 Stainless Steel, Add	4.45	
05 12 23 00-0783 LF 1/4" Thick x 2" Wide Flat Steel Bar .....	7.56	2.93
For 316 Stainless Steel, Add	10.11	
For Aluminum, Add	0.57	
For Galvanized Steel, Add	1.96	
For 304 Stainless Steel, Add	9.01	
05 12 23 00-0784 LF 1/4" Thick x 4" Wide Flat Steel Bar .....	11.15	3.36
For 316 Stainless Steel, Add	19.58	
For Aluminum, Add	1.10	
For Galvanized Steel, Add	3.79	
For 304 Stainless Steel, Add	17.44	





<b>Metals</b>	<b>05</b>	<b>05</b>
Structural Metal Framing	05 10	
Structural Steel Framing	05 12	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0785 LF 1/4" Thick x 6" Wide Flat Steel Bar ..... <i>For 316 Stainless Steel, Add</i> <i>For Aluminum, Add</i> <i>For Galvanized Steel, Add</i> <i>For 304 Stainless Steel, Add</i>	16.12 27.74 1.56 5.38 24.71	4.96
<b>05 12 23 00-0786 3/8" Thick</b> <small>(05 12 23 00-0770)</small>		
05 12 23 00-0787 LF 3/8" Thick x 1" Wide Flat Steel Bar ..... <i>For 316 Stainless Steel, Add</i> <i>For Aluminum, Add</i> <i>For Galvanized Steel, Add</i> <i>For 304 Stainless Steel, Add</i>	5.75 7.84 0.44 1.52 6.98	2.21
05 12 23 00-0788 LF 3/8" Thick x 2" Wide Flat Steel Bar ..... <i>For 316 Stainless Steel, Add</i> <i>For Aluminum, Add</i> <i>For Galvanized Steel, Add</i> <i>For 304 Stainless Steel, Add</i>	9.49 14.50 0.82 2.81 12.91	3.29
05 12 23 00-0789 LF 3/8" Thick x 4" Wide Flat Steel Bar ..... <i>For 316 Stainless Steel, Add</i> <i>For Aluminum, Add</i> <i>For Galvanized Steel, Add</i> <i>For 304 Stainless Steel, Add</i>	14.71 28.96 1.63 5.61 25.79	3.77
05 12 23 00-0790 LF 3/8" Thick x 6" Wide Flat Steel Bar ..... <i>For 316 Stainless Steel, Add</i> <i>For Aluminum, Add</i> <i>For Galvanized Steel, Add</i> <i>For 304 Stainless Steel, Add</i>	21.12 40.77 2.29 7.90 36.31	5.57
<b>05 12 23 00-0791 1/2" Thick</b> <small>(05 12 23 00-0770)</small>		
05 12 23 00-0792 LF 1/2" Thick x 1" Wide Flat Steel Bar ..... <i>For 316 Stainless Steel, Add</i> <i>For Aluminum, Add</i> <i>For Galvanized Steel, Add</i> <i>For 304 Stainless Steel, Add</i>	6.78 10.05 0.57 1.95 8.95	2.42
05 12 23 00-0793 LF 1/2" Thick x 2" Wide Flat Steel Bar ..... <i>For 316 Stainless Steel, Add</i> <i>For Aluminum, Add</i> <i>For Galvanized Steel, Add</i> <i>For 304 Stainless Steel, Add</i>	11.24 18.50 1.04 3.58 16.47	3.64
05 12 23 00-0794 LF 1/2" Thick x 4" Wide Flat Steel Bar ..... <i>For 316 Stainless Steel, Add</i> <i>For Aluminum, Add</i> <i>For Galvanized Steel, Add</i> <i>For 304 Stainless Steel, Add</i>	16.07 31.49 1.77 6.10 28.04	4.14
05 12 23 00-0795 LF 1/2" Thick x 6" Wide Flat Steel Bar ..... <i>For 316 Stainless Steel, Add</i> <i>For Aluminum, Add</i> <i>For Galvanized Steel, Add</i> <i>For 304 Stainless Steel, Add</i>	28.84 62.82 3.53 12.17 55.95	6.14
<b>05 12 23 00-0796 Flat Steel Plate</b> <small>(05 12 23 00-0422)</small>		
05 12 23 00-0797 SF 1/8" Thick Flat Steel Plate ..... <i>For 316 Stainless Steel, Add</i> <i>For Aluminum, Add</i> <i>For Galvanized Steel, Add</i> <i>For 304 Stainless Steel, Add</i>	17.04 23.71 1.33 4.59 21.12	6.42
05 12 23 00-0798 SF 3/16" Thick Flat Steel Plate ..... <i>For 316 Stainless Steel, Add</i> <i>For Aluminum, Add</i> <i>For Galvanized Steel, Add</i> <i>For 304 Stainless Steel, Add</i>	19.24 29.66 1.67 5.75 26.42	6.64
05 12 23 00-0799 SF 1/4" Thick Flat Steel Plate ..... <i>For 316 Stainless Steel, Add</i> <i>For Aluminum, Add</i> <i>For Galvanized Steel, Add</i> <i>For 304 Stainless Steel, Add</i>	22.99 37.82 2.13 7.33 33.69	7.44
05 12 23 00-0800 SF 3/8" Thick Flat Steel Plate ..... <i>For 316 Stainless Steel, Add</i> <i>For Aluminum, Add</i> <i>For Galvanized Steel, Add</i> <i>For 304 Stainless Steel, Add</i>	31.11 59.36 3.34 11.50 52.87	8.37
05 12 23 00-0801 SF 1/2" Thick Flat Steel Plate ..... <i>For 316 Stainless Steel, Add</i> <i>For Aluminum, Add</i> <i>For Galvanized Steel, Add</i> <i>For 304 Stainless Steel, Add</i>	36.93 73.95 4.16 14.33 65.86	9.20
05 12 23 00-0802 SF 3/4" Thick Flat Steel Plate ..... <i>For 316 Stainless Steel, Add</i> <i>For Aluminum, Add</i> <i>For Galvanized Steel, Add</i> <i>For 304 Stainless Steel, Add</i>	60.61 138.66 7.80 26.86 123.49	11.41

<b>05</b>	<b>05 Metals</b>
	<b>05 10 Structural Metal Framing</b>
	<b>05 12 Structural Steel Framing</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0803 SF 1" Thick Flat Steel Plate..... <i>For 316 Stainless Steel, Add</i> <i>For Aluminum, Add</i> <i>For Galvanized Steel, Add</i> <i>For 304 Stainless Steel, Add</i>	80.92 189.86 10.68 36.78 169.09	14.26
<b>05 12 33 Structural Steel for Bridges</b> <small>(05 12)</small> See CSI section 05 12 23 00-0000 for structural steel.		
<b>05 14 Structural Aluminum Framing</b> <small>(05 10)</small>		
<b>05 14 13 Architecturally-Exposed Structural Aluminum Framing</b> <small>(05 14)</small>		
<b>05 14 13 00-0001 Rolled Or Plate Shapes</b> <small>(05 14 13)</small> Note: 1" through 10" member.		
05 14 13 00-0002 LB Structural Aluminum, Up To 2,000 LB / Order 1" To 10" Rolled / Plate Structural Members .....	9.06	0.87
05 14 13 00-0003 LB Structural Aluminum, >2,000 - 9,999 LB / Order 1" To 10" Rolled / Plate Structural Members .....	7.98	0.81
<b>05 14 13 00-0004 Aluminum Extrusions</b> <small>(05 14 13)</small>		
05 14 13 00-0005 LB Aluminum Extrusions, Stock Shapes 1" To 10" Rolled / Plate Structural Members .....	14.78	3.61
05 14 13 00-0006 LB Aluminum Extrusions, Custom Shapes 1" To 10" Rolled / Plate Structural Members .....	15.65	3.61
<b>05 14 13 00-0007 Aluminum Tubing</b> <small>(05 14 13)</small>		
05 14 13 00-0008 LB Aluminum Extrusions, Tubular Shapes 1" To 10" Rolled / Plate Structural Members .....	13.18	3.63
05 14 13 00-0009 LF 1" x 1" Aluminum Tubing, 1/8" Wall Thickness .....	11.74	5.85
05 14 13 00-0010 LF 1-1/4" x 1-1/4" Aluminum Tubing, 1/8" Wall Thickness .....	14.21	6.39
05 14 13 00-0011 LF 1-1/2" x 1-1/2" Aluminum Tubing, 1/8" Wall Thickness .....	16.32	7.45
05 14 13 00-0012 LF 2" x 2" Aluminum Tubing, 1/8" Wall Thickness .....	19.43	7.98
05 14 13 00-0013 LF 4" x 4" Aluminum Tubing, 1/4" Wall Thickness .....	57.12	10.11
05 14 13 00-0014 LF 2" x 5" Aluminum Tubing, 1/4" Wall Thickness .....	46.76	9.05
<b>05 14 13 00-0015 Columns</b> <small>(05 14 13)</small> Note: Baked on paint finish, load bearing.		
<b>05 14 13 00-0016 Round Columns</b> <small>(05 14 13 00-0015)</small>		
05 14 13 00-0017 LF 6" Diameter Aluminum Column .....	52.49	6.93
05 14 13 00-0018 LF 8" Diameter Aluminum Column .....	69.79	9.93
05 14 13 00-0019 LF 10" Diameter Aluminum Column .....	85.34	11.18
05 14 13 00-0020 LF 12" Diameter Aluminum Column .....	129.05	11.69
05 14 13 00-0021 LF 15" Diameter Aluminum Column .....	164.96	13.56
05 14 13 00-0022 EA 6" Diameter Aluminum Base And Cap .....	102.20	12.93
05 14 13 00-0023 EA 8" Diameter Aluminum Base And Cap .....	117.15	13.97
05 14 13 00-0024 EA 10" Diameter Aluminum Base And Cap .....	148.30	15.51
05 14 13 00-0025 EA 12" Diameter Aluminum Base And Cap .....	258.43	16.55
05 14 13 00-0026 EA 15" Diameter Aluminum Base And Cap .....	397.18	18.11
<b>05 14 13 00-0027 Octagonal Columns</b> <small>(05 14 13 00-0015)</small>		
05 14 13 00-0028 LF 6" Diameter Aluminum Column .....	58.71	6.93
05 14 13 00-0029 LF 8" Diameter Aluminum Column .....	79.77	9.93
05 14 13 00-0030 LF 10" Diameter Aluminum Column .....	97.94	11.18
05 14 13 00-0031 LF 12" Diameter Aluminum Column .....	150.20	11.69
05 14 13 00-0032 LF 15" Diameter Aluminum Column .....	192.55	13.56
05 14 13 00-0033 EA 6" Diameter Aluminum Base And Cap .....	117.47	12.93
05 14 13 00-0034 EA 8" Diameter Aluminum Base And Cap .....	134.99	13.97
05 14 13 00-0035 EA 10" Diameter Aluminum Base And Cap .....	171.75	15.51
05 14 13 00-0036 EA 12" Diameter Aluminum Base And Cap .....	303.49	16.55
05 14 13 00-0037 EA 15" Diameter Aluminum Base And Cap .....	469.37	18.11
<b>05 14 13 00-0038 Fluted Columns</b> <small>(05 14 13 00-0015)</small>		
05 14 13 00-0039 LF 6" Diameter Aluminum Column .....	65.46	6.93
05 14 13 00-0040 LF 8" Diameter Aluminum Column .....	88.75	9.93
05 14 13 00-0041 LF 10" Diameter Aluminum Column .....	109.28	11.18
05 14 13 00-0042 LF 12" Diameter Aluminum Column .....	169.24	11.69
05 14 13 00-0043 LF 15" Diameter Aluminum Column .....	217.38	13.56
05 14 13 00-0044 EA 6" Diameter Aluminum Base And Cap .....	131.21	12.93
05 14 13 00-0045 EA 8" Diameter Aluminum Base And Cap .....	151.05	13.97
05 14 13 00-0046 EA 10" Diameter Aluminum Base And Cap .....	192.86	15.51
05 14 13 00-0047 EA 12" Diameter Aluminum Base And Cap .....	344.05	16.55
05 14 13 00-0048 EA 15" Diameter Aluminum Base And Cap .....	534.35	18.11
<b>05 14 13 00-0049 Square Columns</b> <small>(05 14 13 00-0015)</small>		
05 14 13 00-0050 LF 6" Aluminum Column .....	70.07	6.93
05 14 13 00-0051 LF 8" Aluminum Column .....	94.89	9.93
05 14 13 00-0052 LF 10" Aluminum Column .....	117.03	11.18
05 14 13 00-0053 LF 12" Aluminum Column .....	182.26	11.69



	<b>Metals</b>	<b>05</b>
	Structural Metal Framing	05 10
	Structural Aluminum Framing	05 14

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 14 13 00-0054 LF 15" Aluminum Column .....	234.36	13.56
05 14 13 00-0055 EA 6" Aluminum Base And Cap .....	140.61	12.93
05 14 13 00-0056 EA 8" Aluminum Base And Cap .....	162.03	13.97
05 14 13 00-0057 EA 10" Aluminum Base And Cap .....	207.29	15.51
05 14 13 00-0058 EA 12" Aluminum Base And Cap .....	371.78	16.55
05 14 13 00-0059 EA 15" Aluminum Base And Cap .....	578.78	18.11
<b>05 14 13 00-0060 Ornamental Or Decorative Cap And Bases</b> <small>(05 14 13 00-0015)</small>		
05 14 13 00-0061 EA 8" Corinthian Capital And Base .....	808.16	15.51
05 14 13 00-0062 EA 10" Corinthian Capital And Base .....	1,190.26	18.11
05 14 13 00-0063 EA 12" Corinthian Capital And Base .....	1,884.54	20.70
05 14 13 00-0064 EA 8" Scamozzi Capital And Base .....	399.67	15.51
05 14 13 00-0065 EA 10" Scamozzi Capital And Base .....	536.02	18.11
05 14 13 00-0066 EA 12" Scamozzi Capital And Base .....	1,081.52	20.70

**05 15 Wire Rope Assemblies** (05 10)

**05 15 16 Steel Wire Rope Assemblies** (05 15)

**05 15 16 00-0001 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope** (05 15 16)

05 15 16 00-0002 LF 1/4" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope .....	1.57	0.11
<i>For &gt;500, Deduct</i>	-0.28	
05 15 16 00-0003 LF 5/16" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope .....	2.11	0.11
<i>For &gt;500, Deduct</i>	-0.37	
05 15 16 00-0004 LF 3/8" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope .....	2.50	0.21
<i>For &gt;500, Deduct</i>	-0.42	
05 15 16 00-0005 LF 7/16" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope .....	3.01	0.21
<i>For &gt;500, Deduct</i>	-0.49	
05 15 16 00-0006 LF 1/2" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope .....	3.48	0.32
<i>For &gt;500, Deduct</i>	-0.55	
05 15 16 00-0007 LF 9/16" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope .....	4.27	0.42
<i>For &gt;500, Deduct</i>	-0.67	
05 15 16 00-0008 LF 5/8" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope .....	5.10	0.42
<i>For &gt;500, Deduct</i>	-0.79	
05 15 16 00-0009 LF 3/4" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope .....	7.06	0.75
<i>For &gt;500, Deduct</i>	-1.08	
05 15 16 00-0010 LF 7/8" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope .....	9.50	0.85
<i>For &gt;500, Deduct</i>	-1.44	
05 15 16 00-0011 LF 1" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope .....	11.81	1.17
<i>For &gt;500, Deduct</i>	-1.76	
05 15 16 00-0012 LF 1-1/8" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope .....	14.62	1.49
<i>For &gt;500, Deduct</i>	-2.18	
05 15 16 00-0013 LF 1-1/4" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope .....	17.80	1.81
<i>For &gt;500, Deduct</i>	-2.65	

**05 15 16 00-0014 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope** (05 15 16)

05 15 16 00-0015 LF 1/4" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope .....	1.84	0.11
<i>For &gt;500, Deduct</i>	-0.33	
05 15 16 00-0016 LF 5/16" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope .....	2.39	0.11
<i>For &gt;500, Deduct</i>	-0.42	
05 15 16 00-0017 LF 3/8" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope .....	2.96	0.21
<i>For &gt;500, Deduct</i>	-0.51	
05 15 16 00-0018 LF 7/16" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope .....	3.36	0.21
<i>For &gt;500, Deduct</i>	-0.56	
05 15 16 00-0019 LF 1/2" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope .....	4.00	0.32
<i>For &gt;500, Deduct</i>	-0.65	
05 15 16 00-0020 LF 9/16" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope .....	4.61	0.42
<i>For &gt;500, Deduct</i>	-0.73	

05	05	Metals
	05 10	Structural Metal Framing
	05 15	Wire Rope Assemblies



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 15 16 00-0021 LF 5/8" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	5.38	0.42
<i>For &gt;500, Deduct</i>	-0.84	
05 15 16 00-0022 LF 3/4" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	7.89	0.75
<i>For &gt;500, Deduct</i>	-1.24	
05 15 16 00-0023 LF 7/8" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	10.11	0.85
<i>For &gt;500, Deduct</i>	-1.57	
05 15 16 00-0024 LF 1" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	12.42	1.17
<i>For &gt;500, Deduct</i>	-1.89	
05 15 16 00-0025 LF 1-1/8" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	15.91	1.49
<i>For &gt;500, Deduct</i>	-2.42	
05 15 16 00-0026 LF 1-1/4" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	19.35	1.81
<i>For &gt;500, Deduct</i>	-2.96	
<b>05 15 16 00-0027 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope</b> <small>(05 15 16)</small>		
05 15 16 00-0028 LF 1/4" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope.....	1.45	0.11
<i>For &gt;500, Deduct</i>	-0.25	
05 15 16 00-0029 LF 5/16" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope.....	1.98	0.11
<i>For &gt;500, Deduct</i>	-0.34	
05 15 16 00-0030 LF 3/8" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope.....	2.35	0.21
<i>For &gt;500, Deduct</i>	-0.39	
05 15 16 00-0031 LF 7/16" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope.....	2.76	0.21
<i>For &gt;500, Deduct</i>	-0.44	
05 15 16 00-0032 LF 1/2" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope.....	3.32	0.32
<i>For &gt;500, Deduct</i>	-0.52	
05 15 16 00-0033 LF 9/16" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope.....	4.19	0.42
<i>For &gt;500, Deduct</i>	-0.65	
05 15 16 00-0034 LF 5/8" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope.....	4.90	0.42
<i>For &gt;500, Deduct</i>	-0.75	
05 15 16 00-0035 LF 3/4" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope.....	6.88	0.75
<i>For &gt;500, Deduct</i>	-1.04	
05 15 16 00-0036 LF 7/8" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope.....	8.41	0.85
<i>For &gt;500, Deduct</i>	-1.23	
05 15 16 00-0037 LF 1" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope.....	10.67	1.17
<i>For &gt;500, Deduct</i>	-1.53	
<b>05 15 16 00-0038 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope</b> <small>(05 15 16)</small>		
05 15 16 00-0039 LF 1/4" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	1.44	0.11
<i>For &gt;500, Deduct</i>	-0.25	
05 15 16 00-0040 LF 5/16" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	1.91	0.11
<i>For &gt;500, Deduct</i>	-0.33	
05 15 16 00-0041 LF 3/8" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	2.35	0.21
<i>For &gt;500, Deduct</i>	-0.39	
05 15 16 00-0042 LF 7/16" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	2.76	0.21
<i>For &gt;500, Deduct</i>	-0.44	
05 15 16 00-0043 LF 1/2" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	3.46	0.32
<i>For &gt;500, Deduct</i>	-0.55	
05 15 16 00-0044 LF 9/16" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	4.13	0.42
<i>For &gt;500, Deduct</i>	-0.64	
05 15 16 00-0045 LF 5/8" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	5.18	0.42
<i>For &gt;500, Deduct</i>	-0.80	
05 15 16 00-0046 LF 3/4" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	7.21	0.75
<i>For &gt;500, Deduct</i>	-1.11	
05 15 16 00-0047 LF 7/8" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	9.43	0.85
<i>For &gt;500, Deduct</i>	-1.43	
05 15 16 00-0048 LF 1" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope.....	11.62	1.17
<i>For &gt;500, Deduct</i>	-1.73	
<b>05 15 16 00-0049 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope</b> <small>(05 15 16)</small>		
05 15 16 00-0050 LF 3/8" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope.....	2.67	0.21
<i>For &gt;500, Deduct</i>	-0.45	
05 15 16 00-0051 LF 7/16" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope.....	3.12	0.21
<i>For &gt;500, Deduct</i>	-0.51	
05 15 16 00-0052 LF 1/2" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope.....	3.65	0.32
<i>For &gt;500, Deduct</i>	-0.58	
05 15 16 00-0053 LF 9/16" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope.....	4.91	0.42
<i>For &gt;500, Deduct</i>	-0.79	



<b>Metals</b>	<b>05</b>	<b>05</b>
Structural Metal Framing	05 10	
Wire Rope Assemblies	05 15	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 15 16 00-0054 LF 5/8" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope.....	5.42	0.42
For >500, Deduct	-0.85	
05 15 16 00-0055 LF 3/4" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope.....	7.38	0.75
For >500, Deduct	-1.14	
05 15 16 00-0056 LF 7/8" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope.....	9.46	0.85
For >500, Deduct	-1.44	
05 15 16 00-0057 LF 1" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope.....	12.46	1.17
For >500, Deduct	-1.89	
05 15 16 00-0058 LF 1-1/8" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope.....	15.09	1.49
For >500, Deduct	-2.27	
05 15 16 00-0059 LF 1-1/4" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope.....	18.21	1.81
For >500, Deduct	-2.73	
<b>05 15 16 00-0060 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope (05 15 16)</b>		
05 15 16 00-0061 LF 3/8" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope.....	2.74	0.21
For >500, Deduct	-0.47	
05 15 16 00-0062 LF 7/16" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope.....	3.31	0.21
For >500, Deduct	-0.55	
05 15 16 00-0063 LF 1/2" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope.....	3.91	0.32
For >500, Deduct	-0.64	
05 15 16 00-0064 LF 9/16" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope.....	5.46	0.42
For >500, Deduct	-0.90	
05 15 16 00-0065 LF 5/8" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope.....	5.51	0.42
For >500, Deduct	-0.87	
05 15 16 00-0066 LF 3/4" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope.....	7.56	0.75
For >500, Deduct	-1.18	
05 15 16 00-0067 LF 7/8" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope.....	10.02	0.85
For >500, Deduct	-1.55	
05 15 16 00-0068 LF 1" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope.....	12.64	1.17
For >500, Deduct	-1.93	
<b>05 15 16 00-0069 19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope (05 15 16)</b>		
05 15 16 00-0070 LF 1/4" Diameter, 19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope.....	2.84	0.11
For >500, Deduct	-0.53	
05 15 16 00-0071 LF 5/16" Diameter, 19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope.....	3.06	0.11
For >500, Deduct	-0.56	
05 15 16 00-0072 LF 3/8" Diameter, 19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope.....	3.60	0.21
For >500, Deduct	-0.64	
05 15 16 00-0073 LF 7/16" Diameter, 19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope.....	4.84	0.21
For >500, Deduct	-0.86	
05 15 16 00-0074 LF 1/2" Diameter, 19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope.....	5.52	0.21
For >500, Deduct	-0.99	
05 15 16 00-0075 LF 9/16" Diameter, 19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope.....	6.36	0.42
For >500, Deduct	-1.09	
05 15 16 00-0076 LF 5/8" Diameter, 19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope.....	7.56	0.42
For >500, Deduct	-1.28	
05 15 16 00-0077 LF 3/4" Diameter, 19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope.....	10.41	0.63
For >500, Deduct	-1.76	
<b>05 15 16 00-0078 7x7, Galvanized Finish, Aircraft Cable (05 15 16)</b>		
05 15 16 00-0079 LF 1/16" Diameter, 7x7, Galvanized Finish, Aircraft Cable.....	0.32	0.07
For >500, Deduct	-0.04	
05 15 16 00-0080 LF 3/32" Diameter, 7x7, Galvanized Finish, Aircraft Cable.....	0.36	0.08
For >500, Deduct	-0.05	
05 15 16 00-0081 LF 1/8" Diameter, 7x7, Galvanized Finish, Aircraft Cable.....	0.40	0.10
For >500, Deduct	-0.05	

**05 Metals****05 10 Structural Metal Framing****05 15 Wire Rope Assemblies**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 15 16 00-0082	LF		5/32" Diameter, 7x7, Galvanized Finish, Aircraft Cable	0.47	0.11
			<i>For &gt;500, Deduct</i>	-0.06	
05 15 16 00-0083	LF		3/16" Diameter, 7x7, Galvanized Finish, Aircraft Cable	0.57	0.11
			<i>For &gt;500, Deduct</i>	-0.08	
<b>05 15 16 00-0084</b>			<b>7x19, Galvanized Finish, Aircraft Cable (05 15 16)</b>		
05 15 16 00-0085	LF		1/8" Diameter, 7x19, Galvanized Finish, Aircraft Cable	0.57	0.10
			<i>For &gt;500, Deduct</i>	-0.08	
05 15 16 00-0086	LF		5/32" Diameter, 7x19, Galvanized Finish, Aircraft Cable	0.62	0.11
			<i>For &gt;500, Deduct</i>	-0.09	
05 15 16 00-0087	LF		3/16" Diameter, 7x19, Galvanized Finish, Aircraft Cable	0.70	0.11
			<i>For &gt;500, Deduct</i>	-0.10	
05 15 16 00-0088	LF		1/4" Diameter, 7x19, Galvanized Finish, Aircraft Cable	0.83	0.11
			<i>For &gt;500, Deduct</i>	-0.13	
05 15 16 00-0089	LF		5/16" Diameter, 7x19, Galvanized Finish, Aircraft Cable	1.26	0.11
			<i>For &gt;500, Deduct</i>	-0.20	
05 15 16 00-0090	LF		3/8" Diameter, 7x19, Galvanized Finish, Aircraft Cable	1.69	0.11
			<i>For &gt;500, Deduct</i>	-0.26	
<b>05 15 16 00-0091</b>			<b>Heavy Duty, Galvanized Steel, Wire Rope Thimbles (05 15 16)</b>		
05 15 16 00-0092	EA		1/4" Diameter, Heavy Duty, Galvanized Steel, Wire Rope Thimble	13.62	3.19
05 15 16 00-0093	EA		5/16" Diameter, Heavy Duty, Galvanized Steel, Wire Rope Thimble	15.46	3.19
05 15 16 00-0094	EA		3/8" Diameter, Heavy Duty, Galvanized Steel, Wire Rope Thimble	17.50	3.19
05 15 16 00-0095	EA		7/16" Diameter, Heavy Duty, Galvanized Steel, Wire Rope Thimble	23.11	3.19
05 15 16 00-0096	EA		1/2" Diameter, Heavy Duty, Galvanized Steel, Wire Rope Thimble	23.14	3.19
05 15 16 00-0097	EA		9/16" Diameter, Heavy Duty, Galvanized Steel, Wire Rope Thimble	23.14	3.19
05 15 16 00-0098	EA		5/8" Diameter, Heavy Duty, Galvanized Steel, Wire Rope Thimble	25.03	3.19
05 15 16 00-0099	EA		3/4" Diameter, Heavy Duty, Galvanized Steel, Wire Rope Thimble	45.76	4.90
05 15 16 00-0100	EA		7/8" Diameter, Heavy Duty, Galvanized Steel, Wire Rope Thimble	54.00	5.95
05 15 16 00-0101	EA		1" Diameter, Heavy Duty, Galvanized Steel, Wire Rope Thimble	96.16	9.78
05 15 16 00-0102	EA		1-1/8" Diameter, Heavy Duty, Galvanized Steel, Wire Rope Thimble	138.05	13.30
05 15 16 00-0103	EA		1-1/4" Diameter, Heavy Duty, Galvanized Steel, Wire Rope Thimble	138.05	13.30
<b>05 15 16 00-0104</b>			<b>Galvanized Steel, Wire Rope Clips (05 15 16)</b>		
05 15 16 00-0105	EA		1/8" Diameter, Galvanized Steel, Wire Rope Clip	15.74	3.19
05 15 16 00-0106	EA		3/16" Diameter, Galvanized Steel, Wire Rope Clip	16.05	3.19
05 15 16 00-0107	EA		1/4" Diameter, Galvanized Steel, Wire Rope Clip	18.22	3.19
05 15 16 00-0108	EA		5/16" Diameter, Galvanized Steel, Wire Rope Clip	18.55	3.19
05 15 16 00-0109	EA		3/8" Diameter, Galvanized Steel, Wire Rope Clip	19.03	3.19
05 15 16 00-0110	EA		7/16" Diameter, Galvanized Steel, Wire Rope Clip	23.67	3.19
05 15 16 00-0111	EA		1/2" Diameter, Galvanized Steel, Wire Rope Clip	24.03	3.19
05 15 16 00-0112	EA		9/16" Diameter, Galvanized Steel, Wire Rope Clip	27.40	3.19
05 15 16 00-0113	EA		5/8" Diameter, Galvanized Steel, Wire Rope Clip	27.89	3.19
05 15 16 00-0114	EA		3/4" Diameter, Galvanized Steel, Wire Rope Clip	38.33	4.25
05 15 16 00-0115	EA		7/8" Diameter, Galvanized Steel, Wire Rope Clip	57.47	6.39
05 15 16 00-0116	EA		1" Diameter, Galvanized Steel, Wire Rope Clip	63.03	6.39
05 15 16 00-0117	EA		1-1/8" Diameter, Galvanized Steel, Wire Rope Clip	74.28	8.51
05 15 16 00-0118	EA		1-1/4" Diameter, Galvanized Steel, Wire Rope Clip	107.92	12.77
<b>05 15 16 00-0119</b>			<b>Steel, Open Swage Sockets (05 15 16)</b>		
05 15 16 00-0120	EA		1/4" Diameter, Steel, Open Swage Socket	91.75	3.19
05 15 16 00-0121	EA		5/16" Diameter, Steel, Open Swage Socket	146.56	3.19
05 15 16 00-0122	EA		3/8" Diameter, Steel, Open Swage Socket	150.76	4.25
05 15 16 00-0123	EA		7/16" Diameter, Steel, Open Swage Socket	179.13	5.32
05 15 16 00-0124	EA		1/2" Diameter, Steel, Open Swage Socket	179.13	5.32
05 15 16 00-0125	EA		9/16" Diameter, Steel, Open Swage Socket	261.36	11.71
05 15 16 00-0126	EA		5/8" Diameter, Steel, Open Swage Socket	261.36	11.71
05 15 16 00-0127	EA		3/4" Diameter, Steel, Open Swage Socket	332.72	22.34
05 15 16 00-0128	EA		7/8" Diameter, Steel, Open Swage Socket	447.61	31.92
05 15 16 00-0129	EA		1" Diameter, Steel, Open Swage Socket	629.31	48.94
05 15 16 00-0130	EA		1-1/8" Diameter, Steel, Open Swage Socket	824.11	76.61
05 15 16 00-0131	EA		1-1/4" Diameter, Steel, Open Swage Socket	959.48	88.31
<b>05 15 16 00-0132</b>			<b>Steel, Closed Swage Sockets (05 15 16)</b>		
05 15 16 00-0133	EA		1/4" Diameter, Steel, Closed Swage Socket	73.71	3.19
05 15 16 00-0134	EA		5/16" Diameter, Steel, Closed Swage Socket	99.95	3.19
05 15 16 00-0135	EA		3/8" Diameter, Steel, Closed Swage Socket	99.95	3.19
05 15 16 00-0136	EA		7/16" Diameter, Steel, Closed Swage Socket	124.50	4.25
05 15 16 00-0137	EA		1/2" Diameter, Steel, Closed Swage Socket	125.67	4.25
05 15 16 00-0138	EA		9/16" Diameter, Steel, Closed Swage Socket	172.07	7.45
05 15 16 00-0139	EA		5/8" Diameter, Steel, Closed Swage Socket	177.14	8.51
05 15 16 00-0140	EA		3/4" Diameter, Steel, Closed Swage Socket	218.63	13.83
05 15 16 00-0141	EA		7/8" Diameter, Steel, Closed Swage Socket	282.15	20.21
05 15 16 00-0142	EA		1" Diameter, Steel, Closed Swage Socket	403.59	27.66
05 15 16 00-0143	EA		1-1/8" Diameter, Steel, Closed Swage Socket	499.59	38.30
05 15 16 00-0144	EA		1-1/4" Diameter, Steel, Closed Swage Socket	675.83	59.58



	<b>Metals</b>	<b>05</b>
	Structural Metal Framing	05 10
	Wire Rope Assemblies	05 15

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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05 15 16 00-0145 Galvanized Steel, Open Spelter Sockets (05 15 16)			
05 15 16 00-0146	EA 1/4" Galvanized Steel, Open Spelter Socket	153.97	3.19
05 15 16 00-0147	EA 5/16" Galvanized Steel, Open Spelter Socket	157.80	3.19
05 15 16 00-0148	EA 3/8" Galvanized Steel, Open Spelter Socket	157.80	3.19
05 15 16 00-0149	EA 7/16" Galvanized Steel, Open Spelter Socket	175.85	6.39
05 15 16 00-0150	EA 1/2" Galvanized Steel, Open Spelter Socket	175.85	6.39
05 15 16 00-0151	EA 9/16" Galvanized Steel, Open Spelter Socket	230.12	10.64
05 15 16 00-0152	EA 5/8" Galvanized Steel, Open Spelter Socket	230.12	10.64
05 15 16 00-0153	EA 3/4" Galvanized Steel, Open Spelter Socket	290.89	15.96
05 15 16 00-0154	EA 7/8" Galvanized Steel, Open Spelter Socket	434.68	26.60
05 15 16 00-0155	EA 1" Galvanized Steel, Open Spelter Socket	792.05	41.49
05 15 16 00-0156	EA 1-1/8" Galvanized Steel, Open Spelter Socket	927.31	67.03
05 15 16 00-0157	EA 1-1/4" Galvanized Steel, Open Spelter Socket	1,253.67	88.31

05 15 16 00-0158 Galvanized Steel, Closed Spelter Sockets (05 15 16)			
05 15 16 00-0159	EA 1/4" Galvanized Steel, Closed Spelter Socket	129.01	3.19
05 15 16 00-0160	EA 5/16" Galvanized Steel, Closed Spelter Socket	129.51	3.19
05 15 16 00-0161	EA 3/8" Galvanized Steel, Closed Spelter Socket	129.51	3.19
05 15 16 00-0162	EA 7/16" Galvanized Steel, Closed Spelter Socket	144.78	5.32
05 15 16 00-0163	EA 1/2" Galvanized Steel, Closed Spelter Socket	144.78	5.32
05 15 16 00-0164	EA 9/16" Galvanized Steel, Closed Spelter Socket	202.12	9.57
05 15 16 00-0165	EA 5/8" Galvanized Steel, Closed Spelter Socket	202.12	9.57
05 15 16 00-0166	EA 3/4" Galvanized Steel, Closed Spelter Socket	247.33	13.83
05 15 16 00-0167	EA 7/8" Galvanized Steel, Closed Spelter Socket	360.94	21.28
05 15 16 00-0168	EA 1" Galvanized Steel, Closed Spelter Socket	544.85	32.98
05 15 16 00-0169	EA 1-1/8" Galvanized Steel, Closed Spelter Socket	713.10	44.69
05 15 16 00-0170	EA 1-1/4" Galvanized Steel, Closed Spelter Socket	897.76	59.58

05 15 16 00-0171 Forged Steel, Jaw And Jaw Turnbuckles (05 15 16)			
05 15 16 00-0172	EA 1/4" x 4", Forged Steel, Jaw And Jaw Turnbuckle	88.54	3.19
	For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-11.69	
05 15 16 00-0173	EA 5/16" x 4-1/2", Forged Steel, Jaw And Jaw Turnbuckle	95.02	3.19
	For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-12.66	
05 15 16 00-0174	EA 3/8" x 6", Forged Steel, Jaw And Jaw Turnbuckle	107.02	3.19
	For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-14.46	
05 15 16 00-0175	EA 1/2" x 6", Forged Steel, Jaw And Jaw Turnbuckle	118.15	4.25
	For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-15.04	
05 15 16 00-0176	EA 1/2" x 9", Forged Steel, Jaw And Jaw Turnbuckle	155.60	5.32
	For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-20.01	
05 15 16 00-0177	EA 1/2" x 12", Forged Steel, Jaw And Jaw Turnbuckle	176.73	6.39
	For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-22.67	
05 15 16 00-0178	EA 5/8" x 6", Forged Steel, Jaw And Jaw Turnbuckle	179.37	8.51
	For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-21.99	
05 15 16 00-0179	EA 5/8" x 9", Forged Steel, Jaw And Jaw Turnbuckle	222.33	8.51
	For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-28.03	
05 15 16 00-0180	EA 5/8" x 12", Forged Steel, Jaw And Jaw Turnbuckle	252.63	9.57
	For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-32.19	
05 15 16 00-0181	EA 3/4" x 6", Forged Steel, Jaw And Jaw Turnbuckle	241.77	11.71
	For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-29.48	
05 15 16 00-0182	EA 3/4" x 9", Forged Steel, Jaw And Jaw Turnbuckle	274.86	13.83
	For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-32.83	
05 15 16 00-0183	EA 3/4" x 12", Forged Steel, Jaw And Jaw Turnbuckle	340.16	14.89
	For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-41.90	
05 15 16 00-0184	EA 3/4" x 18", Forged Steel, Jaw And Jaw Turnbuckle	409.20	18.09
	For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-50.37	
05 15 16 00-0185	EA 7/8" x 12", Forged Steel, Jaw And Jaw Turnbuckle	464.22	25.53
	For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-54.43	
05 15 16 00-0186	EA 7/8" x 18", Forged Steel, Jaw And Jaw Turnbuckle	563.48	29.80
	For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-66.79	
05 15 16 00-0187	EA 1" x 6", Forged Steel, Jaw And Jaw Turnbuckle	482.59	25.53
	For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-57.19	
05 15 16 00-0188	EA 1" x 12", Forged Steel, Jaw And Jaw Turnbuckle	550.72	32.98
	For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-62.66	
05 15 16 00-0189	EA 1" x 18", Forged Steel, Jaw And Jaw Turnbuckle	756.75	41.49
	For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-88.96	
05 15 16 00-0190	EA 1" x 24", Forged Steel, Jaw And Jaw Turnbuckle	845.34	48.94
	For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-97.78	
05 15 16 00-0191	EA 1-1/4" x 12", Forged Steel, Jaw And Jaw Turnbuckle	940.12	59.58
	For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-105.55	
05 15 16 00-0192	EA 1-1/4" x 18", Forged Steel, Jaw And Jaw Turnbuckle	1,136.77	67.03
	For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-130.62	
05 15 16 00-0193	EA 1-1/4" x 24", Forged Steel, Jaw And Jaw Turnbuckle	1,476.00	76.61
	For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-175.80	
05 15 16 00-0194	EA 1-1/2" x 12", Forged Steel, Jaw And Jaw Turnbuckle	1,457.01	81.93
	For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-169.45	
05 15 16 00-0195	EA 1-1/2" x 18", Forged Steel, Jaw And Jaw Turnbuckle	1,597.60	106.39
	For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	-175.80	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 15 16 00-0196 EA 1-1/2" x 24", Forged Steel, Jaw And Jaw Turnbuckle ..... <i>For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct</i>	2,897.19 -354.78	138.31
05 15 16 00-0197 EA 2" x 24", Forged Steel, Jaw And Jaw Turnbuckle ..... <i>For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct</i>	4,735.33 -550.70	265.99
<b>05 15 16 00-0198 Galvanized Steel, Drop Forged, Shoulder Eye Bolts (05 15 16)</b>		
05 15 16 00-0199 EA 1/4" Diameter Thread, 3/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt.....	18.41	
05 15 16 00-0200 EA 5/16" Diameter Thread, 7/8" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt.....	18.50	
05 15 16 00-0201 EA 3/8" Diameter Thread, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt.....	20.94	
05 15 16 00-0202 EA 7/16" Diameter Thread, 1-3/32" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt.....	25.05	
05 15 16 00-0203 EA 1/2" Diameter Thread, 1-3/16" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt.....	24.93	
05 15 16 00-0204 EA 5/8" Diameter Thread, 1-3/8" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt.....	34.29	
05 15 16 00-0205 EA 3/4" Diameter Thread, 1-1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt.....	41.37	
05 15 16 00-0206 EA 7/8" Diameter Thread, 1-11/16" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt.....	56.12	
05 15 16 00-0207 EA 1" Diameter Thread, 1-13/16" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt.....	75.63	
05 15 16 00-0208 EA 1-1/8" Diameter Thread, 2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt.....	110.44	
05 15 16 00-0209 EA 1-1/4" Diameter Thread, 2-3/16" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt.....	131.50	
05 15 16 00-0210 EA 1-1/2" Diameter Thread, 2-1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt.....	239.96	
05 15 16 00-0211 EA 1-3/4" Diameter Thread, 2-7/8" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt.....	275.31	
05 15 16 00-0212 EA 2" Diameter Thread, 3-1/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt.....	340.74	
<b>05 15 16 00-0213 Galvanized Steel, Drop Forged, Eye Bolts (05 15 16)</b>		
05 15 16 00-0214 EA 1/4" Diameter Thread, 3" Shank Length, 1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	24.42	
05 15 16 00-0215 EA 1/4" Diameter Thread, 4" Shank Length, 1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	21.94	
05 15 16 00-0216 EA 5/16" Diameter Thread, 2-1/4" Shank Length, 5/8" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	30.06	
05 15 16 00-0217 EA 5/16" Diameter Thread, 4-1/4" Shank Length, 5/8" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	19.91	
05 15 16 00-0218 EA 3/8" Diameter Thread, 2-1/2" Shank Length, 3/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	27.17	
05 15 16 00-0219 EA 3/8" Diameter Thread, 3" Shank Length, 3/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	41.34	
05 15 16 00-0220 EA 3/8" Diameter Thread, 4" Shank Length, 3/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	40.04	
05 15 16 00-0221 EA 3/8" Diameter Thread, 4-1/2" Shank Length, 3/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	38.01	
05 15 16 00-0222 EA 3/8" Diameter Thread, 5" Shank Length, 3/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	33.99	
05 15 16 00-0223 EA 3/8" Diameter Thread, 6" Shank Length, 3/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	35.09	
05 15 16 00-0224 EA 1/2" Diameter Thread, 2" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	30.89	
05 15 16 00-0225 EA 1/2" Diameter Thread, 3" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	24.44	
05 15 16 00-0226 EA 1/2" Diameter Thread, 3-1/4" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	32.09	
05 15 16 00-0227 EA 1/2" Diameter Thread, 4" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	44.11	
05 15 16 00-0228 EA 1/2" Diameter Thread, 4-1/2" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	33.28	
05 15 16 00-0229 EA 1/2" Diameter Thread, 6" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	54.08	
05 15 16 00-0230 EA 1/2" Diameter Thread, 8" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	47.48	
05 15 16 00-0231 EA 1/2" Diameter Thread, 10" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	43.22	
05 15 16 00-0232 EA 1/2" Diameter Thread, 12" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	51.00	
05 15 16 00-0233 EA 5/8" Diameter Thread, 4" Shank Length, 1-1/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	51.73	
05 15 16 00-0234 EA 5/8" Diameter Thread, 4-1/2" Shank Length, 1-1/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	45.95	
05 15 16 00-0235 EA 5/8" Diameter Thread, 6" Shank Length, 1-1/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	58.05	
05 15 16 00-0236 EA 5/8" Diameter Thread, 8" Shank Length, 1-1/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	66.68	
05 15 16 00-0237 EA 5/8" Diameter Thread, 10" Shank Length, 1-1/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	77.03	
05 15 16 00-0238 EA 5/8" Diameter Thread, 12" Shank Length, 1-1/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	63.45	
05 15 16 00-0239 EA 3/4" Diameter Thread, 4-1/2" Shank Length, 1-1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	63.48	
05 15 16 00-0240 EA 3/4" Diameter Thread, 6" Shank Length, 1-1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	64.75	
05 15 16 00-0241 EA 3/4" Diameter Thread, 8" Shank Length, 1-1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	71.67	
05 15 16 00-0242 EA 3/4" Diameter Thread, 10" Shank Length, 1-1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	77.35	
05 15 16 00-0243 EA 3/4" Diameter Thread, 12" Shank Length, 1-1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	90.57	
05 15 16 00-0244 EA 1" Diameter Thread, 8" Shank Length, 2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt.....	120.20	
<b>05 15 19 Stainless Steel Wire Rope Assemblies (05 15 19)</b>		
<b>05 15 19 00-0001 7x7, 304 Stainless Steel, Aircraft Cable (05 15 19)</b>		
05 15 19 00-0002 LF 1/16" Diameter, 7x7, 304 Stainless Steel, Aircraft Cable ..... <i>For &gt;500, Deduct</i>	0.26 -0.03	0.07
05 15 19 00-0003 LF 3/32" Diameter, 7x7, 304 Stainless Steel, Aircraft Cable ..... <i>For &gt;500, Deduct</i>	0.34 -0.04	0.08
05 15 19 00-0004 LF 1/8" Diameter, 7x7, 304 Stainless Steel, Aircraft Cable ..... <i>For &gt;500, Deduct</i>	0.43 -0.06	0.10
05 15 19 00-0005 LF 5/32" Diameter, 7x7, 304 Stainless Steel, Aircraft Cable ..... <i>For &gt;500, Deduct</i>	0.56 -0.08	0.11
05 15 19 00-0006 LF 3/16" Diameter, 7x7, 304 Stainless Steel, Aircraft Cable ..... <i>For &gt;500, Deduct</i>	0.70 -0.10	0.11
<b>05 15 19 00-0007 7x19, 304 Stainless Steel, Aircraft Cable (05 15 19)</b>		
05 15 19 00-0008 LF 1/8" Diameter, 7x19, 304 Stainless Steel, Aircraft Cable ..... <i>For &gt;500, Deduct</i>	0.49 -0.07	0.10
05 15 19 00-0009 LF 5/32" Diameter, 7x19, 304 Stainless Steel, Aircraft Cable ..... <i>For &gt;500, Deduct</i>	0.57 -0.08	0.11
05 15 19 00-0010 LF 3/16" Diameter, 7x19, 304 Stainless Steel, Aircraft Cable ..... <i>For &gt;500, Deduct</i>	0.66 -0.09	0.11
05 15 19 00-0011 LF 1/4" Diameter, 7x19, 304 Stainless Steel, Aircraft Cable ..... <i>For &gt;500, Deduct</i>	0.83 -0.13	0.11





<b>Metals</b>	<b>05</b>	<b>05</b>
Structural Metal Framing	05 10	
Wire Rope Assemblies	05 15	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 15 19 00-0012	LF		5/16" Diameter, 7x19, 304 Stainless Steel, Aircraft Cable..... <i>For &gt;500, Deduct</i>	1.27 -0.20	0.11
05 15 19 00-0013	LF		3/8" Diameter, 7x19, 304 Stainless Steel, Aircraft Cable..... <i>For &gt;500, Deduct</i>	1.90 -0.30	0.21
<b>05 15 19 00-0014</b>			<b>7x7, 316 Stainless Steel, Aircraft Cable</b> <small>(05 15 19)</small>		
05 15 19 00-0015	LF		1/16" Diameter, 7x7, 316 Stainless Steel, Aircraft Cable..... <i>For &gt;500, Deduct</i>	0.26 -0.03	0.07
05 15 19 00-0016	LF		3/32" Diameter, 7x7, 316 Stainless Steel, Aircraft Cable..... <i>For &gt;500, Deduct</i>	0.34 -0.04	0.08
05 15 19 00-0017	LF		1/8" Diameter, 7x7, 316 Stainless Steel, Aircraft Cable..... <i>For &gt;500, Deduct</i>	0.43 -0.06	0.10
05 15 19 00-0018	LF		5/32" Diameter, 7x7, 316 Stainless Steel, Aircraft Cable..... <i>For &gt;500, Deduct</i>	0.56 -0.08	0.11
05 15 19 00-0019	LF		3/16" Diameter, 7x7, 316 Stainless Steel, Aircraft Cable..... <i>For &gt;500, Deduct</i>	0.70 -0.10	0.11
<b>05 15 19 00-0020</b>			<b>7x19, 316 Stainless Steel, Aircraft Cable</b> <small>(05 15 19)</small>		
05 15 19 00-0021	LF		1/8" Diameter, 7x19, 316 Stainless Steel, Aircraft Cable..... <i>For &gt;500, Deduct</i>	0.49 -0.07	0.10
05 15 19 00-0022	LF		5/32" Diameter, 7x19, 316 Stainless Steel, Aircraft Cable..... <i>For &gt;500, Deduct</i>	0.57 -0.08	0.11
05 15 19 00-0023	LF		3/16" Diameter, 7x19, 316 Stainless Steel, Aircraft Cable..... <i>For &gt;500, Deduct</i>	0.66 -0.09	0.11
05 15 19 00-0024	LF		1/4" Diameter, 7x19, 316 Stainless Steel, Aircraft Cable..... <i>For &gt;500, Deduct</i>	0.83 -0.13	0.11
05 15 19 00-0025	LF		5/16" Diameter, 7x19, 316 Stainless Steel, Aircraft Cable..... <i>For &gt;500, Deduct</i>	1.27 -0.20	0.11
05 15 19 00-0026	LF		3/8" Diameter, 7x19, 316 Stainless Steel, Aircraft Cable..... <i>For &gt;500, Deduct</i>	1.90 -0.30	0.11

**05 40 Cold-Formed Metal Framing** (05)

Note: Includes all connecting bolts and welds.

**05 41 Structural Metal Stud Framing** (05 40)

Note: Includes studs, bridging, fasteners, and metal stiffener at half height. Do not deduct for openings of less than 25 SF.

**05 41 00 00-0001 18 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners** (05 41)

05 41 00 00-0002	SF		2-1/2" Width, 16" On Center, 18 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners..... <i>For Walls &gt;10' High, Add</i> <i>For Curved Wall, Add</i> <i>For Up To 200, Add</i> <i>For &gt;200 To 500, Add</i> <i>For 12" On Center, Add</i> <i>For 24" On Center, Deduct</i>	4.55 0.91 0.69 1.37 0.69 0.79 -0.79	0.99
05 41 00 00-0003	SF		3-5/8" Width, 16" On Center, 18 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners..... <i>For Walls &gt;10' High, Add</i> <i>For Curved Wall, Add</i> <i>For Up To 200, Add</i> <i>For &gt;200 To 500, Add</i> <i>For 12" On Center, Add</i> <i>For 24" On Center, Deduct</i>	5.05 1.01 0.73 1.50 0.75 0.89 -0.89	0.99
05 41 00 00-0004	SF		4" Width, 16" On Center, 18 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners..... <i>For Walls &gt;10' High, Add</i> <i>For Curved Wall, Add</i> <i>For Up To 200, Add</i> <i>For &gt;200 To 500, Add</i> <i>For 12" On Center, Add</i> <i>For 24" On Center, Deduct</i>	5.26 1.05 0.76 1.56 0.78 0.93 -0.93	0.99
05 41 00 00-0005	SF		6" Width, 16" On Center, 18 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners..... <i>For Walls &gt;10' High, Add</i> <i>For Curved Wall, Add</i> <i>For Up To 200, Add</i> <i>For &gt;200 To 500, Add</i> <i>For 12" On Center, Add</i> <i>For 24" On Center, Deduct</i>	6.57 1.31 0.79 1.84 0.92 1.18 -1.18	1.10
05 41 00 00-0006	SF		8" Width, 16" On Center, 18 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners..... <i>For Walls &gt;10' High, Add</i> <i>For Curved Wall, Add</i> <i>For Up To 200, Add</i> <i>For &gt;200 To 500, Add</i> <i>For 12" On Center, Add</i> <i>For 24" On Center, Deduct</i>	7.29 1.46 0.82 2.01 1.00 1.32 -1.32	1.21

**05 41 00 00-0007 16 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners** (05 41)

**05 Metals****05 40 Cold-Formed Metal Framing****05 41 Structural Metal Stud Framing**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 41 00 00-0008 SF 2-1/2" Width, 16" On Center, 16 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners .....	4.88	0.99
For Walls >10' High, Add	0.98	
For Curved Wall, Add	0.73	
For Up To 200, Add	1.46	
For >200 To 500, Add	0.73	
For 12" On Center, Add	0.85	
For 24" On Center, Deduct	-0.85	
05 41 00 00-0009 SF 3-5/8" Width, 16" On Center, 16 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners .....	5.59	1.00
For Walls >10' High, Add	1.12	
For Curved Wall, Add	0.77	
For Up To 200, Add	1.63	
For >200 To 500, Add	0.81	
For 12" On Center, Add	0.99	
For 24" On Center, Deduct	-0.99	
05 41 00 00-0010 SF 4" Width, 16" On Center, 16 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners.....	5.88	1.00
For Walls >10' High, Add	1.18	
For Curved Wall, Add	0.79	
For Up To 200, Add	1.70	
For >200 To 500, Add	0.85	
For 12" On Center, Add	1.04	
For 24" On Center, Deduct	-1.04	
05 41 00 00-0011 SF 6" Width, 16" On Center, 16 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners.....	7.32	1.21
For Walls >10' High, Add	1.46	
For Curved Wall, Add	0.83	
For Up To 200, Add	2.02	
For >200 To 500, Add	1.01	
For 12" On Center, Add	1.33	
For 24" On Center, Deduct	-1.33	
05 41 00 00-0012 SF 8" Width, 16" On Center, 16 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners.....	8.04	1.32
For Walls >10' High, Add	1.61	
For Curved Wall, Add	0.88	
For Up To 200, Add	2.19	
For >200 To 500, Add	1.10	
For 12" On Center, Add	1.46	
For 24" On Center, Deduct	-1.46	

**05 41 00 00-0013 14 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners<sup>(05 41)</sup>**

05 41 00 00-0014 SF 3-5/8" Width, 16" On Center, 14 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners .....	6.64	1.38
For Walls >10' High, Add	1.33	
For Curved Wall, Add	0.92	
For Up To 200, Add	1.94	
For >200 To 500, Add	0.97	
For 12" On Center, Add	1.18	
For 24" On Center, Deduct	-1.18	
05 41 00 00-0015 SF 4" Width, 16" On Center, 14 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners.....	6.81	1.40
For Walls >10' High, Add	1.36	
For Curved Wall, Add	0.93	
For Up To 200, Add	1.98	
For >200 To 500, Add	0.99	
For 12" On Center, Add	1.21	
For 24" On Center, Deduct	-1.21	
05 41 00 00-0016 SF 6" Width, 16" On Center, 14 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners.....	8.42	1.47
For Walls >10' High, Add	1.68	
For Curved Wall, Add	0.98	
For Up To 200, Add	2.34	
For >200 To 500, Add	1.17	
For 12" On Center, Add	1.52	
For 24" On Center, Deduct	-1.52	
05 41 00 00-0017 SF 8" Width, 16" On Center, 14 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners.....	9.21	1.54
For Walls >10' High, Add	1.84	
For Curved Wall, Add	1.03	
For Up To 200, Add	2.53	
For >200 To 500, Add	1.26	
For 12" On Center, Add	1.67	
For 24" On Center, Deduct	-1.67	

**05 42 Cold-Formed Metal Joist Framing<sup>(05 40)</sup>**

**05 42 13 Cold-Formed Metal Floor Joist Framing<sup>(05 42)</sup>**

Note: Floor or roof joist framing

**05 42 13 00-0001 Steel Joists, 20 Gauge<sup>(05 42 13)</sup>**

05 42 13 00-0002 LF 5-1/2" - 20 Gauge Steel Joists .....	9.37	2.36
05 42 13 00-0003 LF 6" - 20 Gauge Steel Joists .....	10.31	2.97
05 42 13 00-0004 LF 7-1/4" - 20 Gauge Steel Joists .....	11.10	3.26
05 42 13 00-0005 LF 8" - 20 Gauge Steel Joists .....	12.41	3.46

**05 42 13 00-0006 Steel Joists, 18 Gauge<sup>(05 42 13)</sup>**

05 42 13 00-0007 LF 5-1/2" - 18 Gauge Steel Joists .....	10.42	2.62
05 42 13 00-0008 LF 6" - 18 Gauge Steel Joists .....	11.49	3.30
05 42 13 00-0009 LF 7-1/4" - 18 Gauge Steel Joists .....	12.42	3.62



<b>Metals</b>	<b>05</b>	<b>05</b>
Cold-Formed Metal Framing	05 40	
Cold-Formed Metal Joist Framing	05 42	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 42 13 00-0010 LF 8" - 18 Gauge Steel Joists .....	12.82	3.85
<b>05 42 13 00-0011 Steel Joists, 16 Gauge</b> (05 42 13)		
05 42 13 00-0012 LF 7-1/4" - 16 Gauge Steel Joists .....	13.36	3.65
05 42 13 00-0013 LF 8" - 16 Gauge Steel Joists .....	14.10	3.85
<b>05 42 13 00-0014 Steel Joists, 14 Gauge</b> (05 42 13)		
05 42 13 00-0015 LF 9-1/4" - 14 Gauge Steel Joists .....	15.80	3.85
05 42 13 00-0016 LF 11-1/2" - 14 Gauge Steel Joists .....	17.11	4.05
<b>05 42 13 00-0017 Steel Joists, 12 Gauge</b> (05 42 13)		
05 42 13 00-0018 LF 9-1/4" - 12 Gauge Steel Joists .....	18.68	4.23
05 42 13 00-0019 LF 11-1/2" - 12 Gauge Steel Joists .....	20.39	4.46
<b>05 42 13 00-0020 Steel Joists, 10 Gauge</b> (05 42 13)		
05 42 13 00-0021 LF 9-1/4" - 10 Gauge Steel Joists .....	21.64	4.65
05 42 13 00-0022 LF 11-1/2" - 10 Gauge Steel Joists .....	23.72	4.91
<b>05 42 13 00-0023 Steel Joists, 8 Gauge</b> (05 42 13)		
05 42 13 00-0024 LF 9-1/4" - 8 Gauge Steel Joists .....	24.66	5.12
05 42 13 00-0025 LF 11-1/2" - 8 Gauge Steel Joists .....	27.09	5.40
<b>05 42 23 Cold-Formed Metal Roof Joist Framing</b> (05 42)		
See CSI section 05 42 13 00-0000 for metal joist framing.		
<b>05 43 Slotted Channel Framing</b> (05 43)		
<b>05 43 00 00-0001 Unistrut Channel</b> (05 43)		
Note: Excludes fasteners and accessories.		
<b>05 43 00 00-0002 Steel Unistrut Channel</b> (05 43 00 00-0001)		
05 43 00 00-0003 LF 1-5/8" Wide x 1-5/8" High, 12 Gauge, Steel Unistrut Channel .....	13.23	2.40
For Powder Coating, Add 1.26		
For Galvanizing, Add 1.43		
05 43 00 00-0004 LF 1-5/8" Wide x 1-3/8" High, 12 Gauge, Steel Unistrut Channel .....	13.64	2.40
For Powder Coating, Add 1.33		
For Galvanizing, Add 1.50		
05 43 00 00-0005 LF 1-5/8" Wide x 13/16" High, 12 Gauge, Steel Unistrut Channel .....	14.27	2.40
For Powder Coating, Add 1.42		
For Galvanizing, Add 1.61		
05 43 00 00-0006 LF 1-5/8" Wide x 1-5/8" High, 14 Gauge, Steel Unistrut Channel .....	12.41	2.40
For Powder Coating, Add 1.14		
For Galvanizing, Add 1.29		
05 43 00 00-0007 LF 1-5/8" Wide x 13/16" High, 14 Gauge, Steel Unistrut Channel .....	10.62	2.40
For Powder Coating, Add 0.87		
For Galvanizing, Add 0.99		
<b>05 43 00 00-0008 Stainless Steel Unistrut Channel</b> (05 43 00 00-0001)		
<b>05 43 00 00-0009 304 Stainless Steel Unistrut Channel</b> (05 43 00 00-0008)		
05 43 00 00-0010 LF 1-5/8" Wide x 13/16" High, 14 Gauge, 304 Stainless Steel Unistrut Channel .....	35.14	2.40
05 43 00 00-0011 LF 1-5/8" Wide x 13/16" High, 12 Gauge, 304 Stainless Steel Unistrut Channel .....	42.55	2.40
05 43 00 00-0012 LF 1-5/8" Wide x 1-5/8" High, 14 Gauge, 304 Stainless Steel Unistrut Channel .....	40.71	2.40
05 43 00 00-0013 LF 1-5/8" Wide x 1-5/8" High, 12 Gauge, 304 Stainless Steel Unistrut Channel .....	52.16	2.40
<b>05 43 00 00-0014 316 Stainless Steel Unistrut Channel</b> (05 43 00 00-0008)		
05 43 00 00-0015 LF 1-5/8" Wide x 13/16" High, 14 Gauge, 316 Stainless Steel Unistrut Channel .....	59.18	2.40
<b>05 43 00 00-0016 Unistrut Closure Strips</b> (05 43)		
05 43 00 00-0017 LF Steel Raceway Closure Strip For Unistrut Channel .....	7.40	0.53
<b>05 43 00 00-0018 Lock Nuts With Spring For Unistrut Channel</b> (05 43)		
Note: Includes hex bolt.		
<b>05 43 00 00-0019 Steel Lock Nuts With Spring For Unistrut Channel</b> (05 43 00 00-0018)		
Note: Includes hex bolt.		
05 43 00 00-0020 EA 1/4-20, Steel Lock Nut With Spring For Unistrut Channel .....	7.77	
05 43 00 00-0021 EA 3/8-16, Steel Lock Nut With Spring For Unistrut Channel .....	8.64	
05 43 00 00-0022 EA 1/2-13, Steel Lock Nut With Spring For Unistrut Channel .....	9.30	
05 43 00 00-0023 EA 5/8-11, Steel Lock Nut With Spring For Unistrut Channel .....	12.82	

<b>05</b>	<b>05 Metals</b>
	<b>05 40 Cold-Formed Metal Framing</b>
	<b>05 43 Slotted Channel Framing</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>05 43 00 00-0024</b> <b>Stainless Steel Lock Nuts With Spring For Unistrut Channel</b> <small>(05 43 00 00-0018)</small>		
Note: Includes hex bolt.		
05 43 00 00-0025	EA 1/4-20, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel .....	19.25
05 43 00 00-0026	EA 3/8-16, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel .....	20.60
05 43 00 00-0027	EA 1/2-13, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel .....	29.93
05 43 00 00-0028	EA 5/8-11, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel .....	52.51

<b>05 43 00 00-0029</b> <b>Lock Nuts Without Spring For Unistrut Channel</b> <small>(05 43)</small>		
Note: Includes hex bolt.		

<b>05 43 00 00-0030</b> <b>Steel Lock Nuts Without Spring For Unistrut Channel</b> <small>(05 43 00 00-0029)</small>		
Note: Includes hex bolt.		
05 43 00 00-0031	EA 1/4-20, Steel Lock Nut Without Spring For Unistrut Channel .....	7.80
05 43 00 00-0032	EA 3/8-16, Steel Lock Nut Without Spring For Unistrut Channel .....	8.76
05 43 00 00-0033	EA 1/2-13, Steel Lock Nut Without Spring For Unistrut Channel .....	9.35
05 43 00 00-0034	EA 5/8-11, Steel Lock Nut Without Spring For Unistrut Channel .....	13.83

<b>05 43 00 00-0035</b> <b>Stainless Steel Lock Nuts Without Spring For Unistrut Channel</b> <small>(05 43 00 00-0029)</small>		
Note: Includes hex bolt.		
05 43 00 00-0036	EA 1/4-20, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel.....	13.27
05 43 00 00-0037	EA 3/8-16, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel.....	16.38
05 43 00 00-0038	EA 1/2-13, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel.....	18.02
05 43 00 00-0039	EA 5/8-11, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel.....	51.10

<b>05 43 00 00-0040</b> <b>Beam Clamp For Unistrut Channel</b> <small>(05 43)</small>			
05 43 00 00-0041	EA 1-5/8" Channel, P2675 Unistrut Beam Clamp.....	23.28	7.98
05 43 00 00-0042	EA 1-5/8" Channel, P2676 Unistrut Beam Clamp .....	30.10	7.98
05 43 00 00-0043	EA Add For Unistrut Swivel Nut, P2676 .....	3.71	

<b>05 43 00 00-0044</b> <b>Beam Clamp Clevis Hangers For Unistrut Channel</b> <small>(05 43)</small>			
05 43 00 00-0045	EA Up To 3/8" Rod, Beam Clamp Clevis Hanger (Unistrut P2674) .....	25.65	7.98
05 43 00 00-0046	EA Up To 1/2" Rod, Beam Clamp Clevis Hanger (Unistrut P2677) .....	31.07	7.98
05 43 00 00-0047	EA Add For Unistrut Swivel Nut .....	3.71	
05 43 00 00-0048	EA 6-Hole ElectroGalvanized Steel Shelf Bracket For Unistrut .....	178.06	10.64

<b>05 43 00 00-0049</b> <b>Accessories For Unistrut Channel</b> <small>(05 43)</small>			
05 43 00 00-0050	EA Trolley Truck Hanger, 1-5/8" Channel P1834 .....	58.16	7.98
05 43 00 00-0051	EA Flat Plate Fitting, One Hole, 1-5/8" Channel P1064.....	14.16	5.32
05 43 00 00-0052	EA 60 Degree Angle, 1-5/8" Channel P2097.....	14.86	5.32

<b>05 43 00 00-0053</b> <b>Bases For Unistrut Channel</b> <small>(05 43)</small>		
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<b>05 43 00 00-0054</b> <b>Steel Bases For Unistrut Channel</b> <small>(05 43 00 00-0053)</small>			
Note: Includes straight or angled post mounting and fasteners.			
05 43 00 00-0055	EA 6" x 6", 1-5/8" Height, Single Post, Steel Base For Unistrut Channel .....	112.90	26.60
05 43 00 00-0056	EA 6" x 6", 3-1/2" Height, Single Post, Steel Base For Unistrut Channel .....	114.46	26.60
05 43 00 00-0057	EA 6" x 6", 1-5/8" Height, Double Post, Steel Base For Unistrut Channel .....	164.44	26.60
05 43 00 00-0058	EA 6" x 6", 3-1/2" Height, Double Post, Steel Base For Unistrut Channel .....	135.38	26.60

<b>05 43 00 00-0059</b> <b>Stainless Steel Bases For Unistrut Channel</b> <small>(05 43 00 00-0053)</small>			
Note: Includes straight or angled post mounting and fasteners.			
05 43 00 00-0060	EA 6" x 6", 1-5/8" Height, Single Post, 304 Stainless Steel Base For Unistrut Channel.....	228.84	26.60
05 43 00 00-0061	EA 6" x 6", 3-1/2" Height, Single Post, 304 Stainless Steel Base For Unistrut Channel.....	416.12	26.60
05 43 00 00-0062	EA 6" x 6", 3-1/2" Height, Double Post, 304 Stainless Steel Base For Unistrut Channel.....	317.91	26.60
05 43 00 00-0063	EA 6" x 6", 1-5/8" Height, Single Post, 316 Stainless Steel Base For Unistrut Channel.....	469.23	26.60
05 43 00 00-0064	EA 6" x 6", 3-1/2" Height, Double Post, 316 Stainless Steel Base For Unistrut Channel.....	414.77	26.60

**05 45 Metal Support Assemblies** (05 40)

<b>05 45 16</b>	<b>Electrical Metal Supports</b> <small>(05 45)</small>
See CSI section 26 05 29 00-0000 for metal supports.	

**05 50 Metal Fabrications** (05)

**05 51 Metal Stairs** (05 50)

<b>05 51 13</b>	<b>Metal Pan Stairs</b> <small>(05 51)</small>
Note: Open concrete filled metal pan stair and landing including steel stringer, safety nosing and concrete. Excludes handrail.	
See CSI section 05 52 13 00-0000 for handrails.	

<b>05 51 13 00-0001</b> <b>Open Concrete Filled Metal Pan Stair And Landing</b> <small>(05 51 13)</small>			
Note: Includes steel stringer, safety nosing and concrete. Excludes handrail.			
05 51 13 00-0002	RSR 3'-6" Wide Open Concrete Filled Metal Pan Tread Stair .....	1,061.90	31.04
For Closed Riser, Add		123.17	



	<b>Metals</b>	<b>05</b>
	Metal Fabrications	05 50
	Metal Stairs	05 51

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 51 13 00-0003	RSR		4'-0" Wide Open Concrete Filled Metal Pan Tread Stair..... <i>For Closed Riser, Add</i>	1,206.25 139.78	36.21
05 51 13 00-0004	RSR		5'-0" Wide Open Concrete Filled Metal Pan Tread Stair..... <i>For Closed Riser, Add</i>	1,342.77 155.31	42.42
05 51 13 00-0005	SF		Concrete Filled Steel Pan Landing ..... Note: Conventional shape.	84.47	5.17
<b>05 51 19 Metal Grating Stairs (05 51)</b>					
Note: Open steel grating tread metal stair and landing including steel stringers, safety nosing and 2 pipe handrail.					
05 51 19 00-0001			<b>Open Steel Grating Tread Metal Stair And Landing (05 51 19)</b> Note: Includes steel stringers, safety nosing and 2 pipe handrail.		
05 51 19 00-0002	RSR		3'-6" Wide Open Steel Grating Tread Metal Stair ..... <i>For Closed Riser, Add</i> <i>For Galvanized Steel, Add</i>	510.64 61.83 106.97	41.38
05 51 19 00-0003	RSR		4'-0" Wide Open Steel Grating Tread Metal Stair ..... <i>For Closed Riser, Add</i> <i>For Galvanized Steel, Add</i>	543.43 65.41 112.06	47.59
05 51 19 00-0004	RSR		5'-0" Wide Open Steel Grating Tread Metal Stair ..... <i>For Closed Riser, Add</i> <i>For Galvanized Steel, Add</i>	600.73 71.95 122.25	55.87
05 51 19 00-0005	SF		Steel Grating Landing With Framing And 2 Pipe Handrail ..... Note: Conventional shape. <i>For Galvanized Steel, Add</i>	94.05 18.34	5.17
<b>05 51 33 Metal Ladders (05 51)</b>					
Note: Includes factory prime.					
05 51 33 13			<b>Vertical Metal Ladders (05 51 33)</b>		
05 51 33 13-0001			<b>Vertical Ladders (05 51 33 13)</b> Note: Climbing rungs are 3/4" corrugated steel round rungs on 12" centers. Stand-off brackets are 7"		
05 51 33 13-0002	VL		20" Wide Vertical Steel Ladder Primed..... <i>For Galvanized Steel, Add</i> <i>For Aluminum, Add</i>	90.17 12.81 25.61	12.41
05 51 33 13-0003	VL		24" Wide Vertical Steel Ladder Primed..... <i>For Galvanized Steel, Add</i> <i>For Aluminum, Add</i>	103.15 16.05 32.10	12.41
05 51 33 13-0004	VL		20" Wide Vertical Steel Caged Ladder Primed ..... <i>For Galvanized Steel, Add</i> <i>For Aluminum, Add</i>	214.75 37.20 74.40	20.70
05 51 33 13-0005	VL		24" Wide Vertical Steel Caged Ladder Primed ..... <i>For Galvanized Steel, Add</i> <i>For Aluminum, Add</i>	240.71 43.69 87.38	20.70
05 51 33 13-0006			<b>Vertical Ladders Options (05 51 33 13)</b>		
05 51 33 13-0007	EA		20" Wide Vertical Steel Ladder Walk-Thru Handrails, Primed ..... Note: Extends 42" above landing surface. Includes mounting bracket. <i>For Galvanized Steel, Add</i> <i>For Aluminum, Add</i>	361.29 70.93 141.85	38.80
05 51 33 13-0008	EA		24" Wide Vertical Steel Ladder Walk-Thru Handrails, Primed ..... Note: Extends 42" above landing surface. Includes mounting bracket. <i>For Galvanized Steel, Add</i> <i>For Aluminum, Add</i>	395.67 78.23 156.45	41.38
05 51 33 13-0009	EA		Security Cage Entry Gate With Lockable Hasp .....	547.37	12.93
05 51 33 13-0010	EA		6' Powder Coated, Security Ladder Guard .....	1,162.74	77.59
05 51 33 13-0011	EA		8' Powder Coated, Security Ladder Guard .....	1,390.95	90.53
05 51 33 13-0012	EA		Safety Chain Attachment.....	212.61	
05 51 33 13-0013			<b>Welded Steel Ladder Cages (05 51 33 13)</b> Note: For existing fixed ladders up to 20" wide. Excludes the ladder.		
05 51 33 13-0014			<b>Powder Coated, Welded Steel Ladder Cages (05 51 33 13-0013)</b>		
05 51 33 13-0015	EA		7-1/2' Length, Powder Coated, Welded Steel Ladder Cage .....	2,154.37	155.19
05 51 33 13-0016	EA		8-1/2' Length, Powder Coated, Welded Steel Ladder Cage .....	2,341.67	160.37
05 51 33 13-0017	EA		9-1/2' Length, Powder Coated, Welded Steel Ladder Cage .....	2,490.52	165.54
05 51 33 13-0018	EA		10-1/2' Length, Powder Coated, Welded Steel Ladder Cage .....	2,649.61	170.71
05 51 33 13-0019	EA		11-1/2' Length, Powder Coated, Welded Steel Ladder Cage .....	2,742.02	175.89
05 51 33 13-0020	EA		12-1/2' Length, Powder Coated, Welded Steel Ladder Cage .....	2,893.43	181.06
05 51 33 13-0021	EA		13-1/2' Length, Powder Coated, Welded Steel Ladder Cage .....	3,026.87	186.23
05 51 33 13-0022	EA		14-1/2' Length, Powder Coated, Welded Steel Ladder Cage .....	3,201.36	191.40
05 51 33 13-0023	EA		15-1/2' Length, Powder Coated, Welded Steel Ladder Cage .....	3,370.72	196.58
05 51 33 13-0024	EA		16-1/2' Length, Powder Coated, Welded Steel Ladder Cage .....	3,509.29	201.75
05 51 33 13-0025	EA		17-1/2' Length, Powder Coated, Welded Steel Ladder Cage .....	3,678.65	206.93
05 51 33 13-0026	EA		18-1/2' Length, Powder Coated, Welded Steel Ladder Cage .....	3,842.88	212.10
05 51 33 13-0027	EA		19-1/2' Length, Powder Coated, Welded Steel Ladder Cage .....	4,004.53	217.27
05 51 33 13-0028	EA		20-1/2' Length, Powder Coated, Welded Steel Ladder Cage .....	4,299.56	222.44
05 51 33 13-0029	EA		21-1/2' Length, Powder Coated, Welded Steel Ladder Cage .....	4,386.85	227.61
05 51 33 13-0030	EA		22-1/2' Length, Powder Coated, Welded Steel Ladder Cage .....	4,538.24	232.79
05 51 33 13-0031	EA		23-1/2' Length, Powder Coated, Welded Steel Ladder Cage .....	4,676.82	237.97
05 51 33 13-0032	EA		24-1/2' Length, Powder Coated, Welded Steel Ladder Cage .....	4,805.15	243.14



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 51 33 13-0033 EA 25-1/2' Length, Powder Coated, Welded Steel Ladder Cage .....	5,092.47	248.31
05 51 33 13-0034 EA 26-1/2' Length, Powder Coated, Welded Steel Ladder Cage .....	5,246.43	253.48
05 51 33 13-0035 EA 27-1/2' Length, Powder Coated, Welded Steel Ladder Cage .....	5,390.16	258.65
<b>05 51 33 13-0036 Welded Stainless Steel Ladder Cages</b> <small>(05 51 33 13-0013)</small>		
05 51 33 13-0037 EA 7-1/2' Length, Welded Stainless Steel Ladder Cage.....	5,186.96	155.19
05 51 33 13-0038 EA 8-1/2' Length, Welded Stainless Steel Ladder Cage.....	5,542.47	160.37
05 51 33 13-0039 EA 9-1/2' Length, Welded Stainless Steel Ladder Cage.....	6,135.47	165.54
05 51 33 13-0040 EA 10-1/2' Length, Welded Stainless Steel Ladder Cage.....	6,427.34	170.71
05 51 33 13-0041 EA 11-1/2' Length, Welded Stainless Steel Ladder Cage.....	6,672.70	175.89
05 51 33 13-0042 EA 12-1/2' Length, Welded Stainless Steel Ladder Cage.....	6,998.85	181.06
05 51 33 13-0043 EA 13-1/2' Length, Welded Stainless Steel Ladder Cage.....	7,586.94	186.23
05 51 33 13-0044 EA 14-1/2' Length, Welded Stainless Steel Ladder Cage.....	7,883.71	191.40
05 51 33 13-0045 EA 15-1/2' Length, Welded Stainless Steel Ladder Cage.....	8,190.28	196.58
05 51 33 13-0046 EA 16-1/2' Length, Welded Stainless Steel Ladder Cage.....	8,526.21	201.75
05 51 33 13-0047 EA 17-1/2' Length, Welded Stainless Steel Ladder Cage.....	9,126.55	206.93
05 51 33 13-0048 EA 18-1/2' Length, Welded Stainless Steel Ladder Cage.....	9,425.77	212.10
05 51 33 13-0049 EA 19-1/2' Length, Welded Stainless Steel Ladder Cage.....	9,710.30	217.27
05 51 33 13-0050 EA 20-1/2' Length, Welded Stainless Steel Ladder Cage.....	10,183.33	222.44
05 51 33 13-0051 EA 21-1/2' Length, Welded Stainless Steel Ladder Cage.....	10,715.12	227.61
05 51 33 13-0052 EA 22-1/2' Length, Welded Stainless Steel Ladder Cage.....	11,009.44	232.79
05 51 33 13-0053 EA 23-1/2' Length, Welded Stainless Steel Ladder Cage.....	11,311.10	237.97
05 51 33 13-0054 EA 24-1/2' Length, Welded Stainless Steel Ladder Cage.....	11,593.20	243.14
05 51 33 13-0055 EA 25-1/2' Length, Welded Stainless Steel Ladder Cage.....	12,320.82	248.31
05 51 33 13-0056 EA 26-1/2' Length, Welded Stainless Steel Ladder Cage.....	12,602.90	253.48
05 51 33 13-0057 EA 27-1/2' Length, Welded Stainless Steel Ladder Cage.....	12,892.34	258.65
<b>05 51 33 16 Inclined Metal Ladders</b> <small>(05 51 33)</small>		
<b>05 51 33 16-0001 Industrial Ship Ladder, Incline Stairs</b> <small>(05 51 33 16)</small>		
Note: Includes factory prime.		
05 51 33 16-0002 RSR 3' Wide Industrial Steel Ship Ladder With 2 Rails Each Side.....	359.55	51.73
For Aluminum, Add	128.05	
<b>05 51 33 23 Alternating Tread Ladders</b> <small>(05 51 33)</small>		
<b>05 51 33 23-0001 Vertical Ladders With Alternating Tread</b> <small>(05 51 33 23)</small>		
05 51 33 23-0002 EA 4' Vertical Height Aluminum Alternating Tread Ladder .....	2,705.23	155.19
For Stainless Steel, Add	262.55	
For Primed Steel, Deduct	-218.79	
05 51 33 23-0003 EA 5' Vertical Height Aluminum Alternating Tread Ladder .....	3,111.09	164.51
For Stainless Steel, Add	319.91	
For Primed Steel, Deduct	-249.53	
05 51 33 23-0004 EA 6' Vertical Height Aluminum Alternating Tread Ladder .....	3,473.27	164.51
For Stainless Steel, Add	379.79	
For Primed Steel, Deduct	-277.54	
05 51 33 23-0005 EA 7' Vertical Height Aluminum Alternating Tread Ladder .....	3,946.20	206.72
For Stainless Steel, Add	439.62	
For Primed Steel, Deduct	-301.22	
05 51 33 23-0006 EA 8' Vertical Height Aluminum Alternating Tread Ladder .....	4,347.31	214.05
For Stainless Steel, Add	508.73	
For Primed Steel, Deduct	-327.04	
05 51 33 23-0007 EA 9' Vertical Height Aluminum Alternating Tread Ladder .....	4,667.33	214.05
For Stainless Steel, Add	573.30	
For Primed Steel, Deduct	-345.96	
05 51 33 23-0008 EA 10' Vertical Height Aluminum Alternating Tread Ladder .....	5,121.57	238.76
For Stainless Steel, Add	648.86	
For Primed Steel, Deduct	-367.69	
05 51 33 23-0009 EA 11' Vertical Height Aluminum Alternating Tread Ladder .....	5,480.13	238.76
For Stainless Steel, Add	726.06	
For Primed Steel, Deduct	-386.45	
05 51 33 23-0010 EA 12' Vertical Height Aluminum Alternating Tread Ladder .....	5,759.09	238.76
For Stainless Steel, Add	794.12	
For Primed Steel, Deduct	-397.06	
<b>05 52 Metal Railings</b> <small>(05 50)</small>		
<b>05 52 13 Pipe and Tube Railings</b> <small>(05 52)</small>		
Note: Includes embedded steel sleeves, grouting, connection bolts (where necessary) and drilling of bolt (where necessary).		
05 52 13 00-0001 Welded Steel Pipe Railing <small>(05 52 13)</small>		
Note: Includes field welds and touch-up of welds.		
05 52 13 00-0002 One Rail, Up To 42" High, Welded Steel Pipe Railings <small>(05 52 13 00-0001)</small>		
Note: Includes factory primed posts and one rail.		



	<b>Metals</b>	<b>05</b>	
	Metal Fabrications	05 50	05
	Metal Railings	05 52	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0003 LF 1" Diameter, Schedule 40, One Rail, Up To 42" High, Welded Steel Pipe Railing.....	36.30	10.34
For Schedule 80 Handrail, Add	7.71	
For 11 Gauge A513 Steel Tubing, Deduct	-3.43	
For 12 Gauge A513 Steel Tubing, Deduct	-3.90	
For 14 Gauge A513 Steel Tubing, Deduct	-5.15	
For 16 Gauge A513 Steel Tubing, Deduct	-6.08	
For Additional Off Set Handrail, ADA Attachment, Add	13.50	
For Aluminum, Satin Finish, Add	6.55	
For Aluminum, Clear Anodized Finish, Add	10.14	
For Aluminum, Dark Anodized Finish, Add	11.70	
For Galvanizing, Add	6.24	
For Wrought Iron, Add	3.63	
For Solid Steel Rails, Add	7.26	
For 304 Stainless Steel, Add	49.92	
For 316 Stainless Steel, Add	56.16	
For 2" Wheel Guard, Add	1.48	
For 4" High Kick Plate, Add	1.95	
For 6" High Kick Plate, Add	3.12	
For Curved Rail, Add	15.57	
For Mounting On Stairs, Add	10.89	
For Mounting On Slopes, Add	3.63	
For Post Base Flange With Screws, Add Per Post	19.57	
For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	29.61	
For Custom Design Or Shapes (Square Tops, etc), Add	12.98	
For Nylon Coating, Add	2.34	
05 52 13 00-0004 LF 1-1/4" Diameter, Schedule 40, One Rail, Up To 42" High, Welded Steel Pipe Railing .....	38.99	10.34
For Schedule 80 Handrail, Add	13.30	
For 11 Gauge A513 Steel Tubing, Deduct	-4.02	
For 12 Gauge A513 Steel Tubing, Deduct	-4.57	
For 14 Gauge A513 Steel Tubing, Deduct	-6.04	
For 16 Gauge A513 Steel Tubing, Deduct	-7.13	
For Additional Off Set Handrail, ADA Attachment, Add	15.11	
For Aluminum, Satin Finish, Add	7.68	
For Aluminum, Clear Anodized Finish, Add	11.89	
For Aluminum, Dark Anodized Finish, Add	13.72	
For Galvanizing, Add	7.32	
For Wrought Iron, Add	3.90	
For Solid Steel Rails, Add	7.80	
For 304 Stainless Steel, Add	58.53	
For 316 Stainless Steel, Add	65.84	
For 2" Wheel Guard, Add	1.74	
For 4" High Kick Plate, Add	2.29	
For 6" High Kick Plate, Add	3.66	
For Curved Rail, Add	17.18	
For Mounting On Stairs, Add	11.70	
For Mounting On Slopes, Add	3.90	
For Post Base Flange With Screws, Add Per Post	19.57	
For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	29.61	
For Custom Design Or Shapes (Square Tops, etc), Add	14.32	
For Nylon Coating, Add	2.74	
05 52 13 00-0005 LF 1-1/2" Diameter, Schedule 40, One Rail, Up To 42" High, Welded Steel Pipe Railing .....	41.68	10.34
For Schedule 80 Handrail, Add	13.30	
For 11 Gauge A513 Steel Tubing, Deduct	-4.62	
For 12 Gauge A513 Steel Tubing, Deduct	-5.25	
For 14 Gauge A513 Steel Tubing, Deduct	-6.92	
For 16 Gauge A513 Steel Tubing, Deduct	-8.18	
For Additional Off Set Handrail, ADA Attachment, Add	16.73	
For Aluminum, Satin Finish, Add	8.81	
For Aluminum, Clear Anodized Finish, Add	13.64	
For Aluminum, Dark Anodized Finish, Add	15.74	
For Galvanizing, Add	8.39	
For Wrought Iron, Add	4.17	
For Solid Steel Rails, Add	8.34	
For 304 Stainless Steel, Add	67.14	
For 316 Stainless Steel, Add	75.53	
For 2" Wheel Guard, Add	1.99	
For 4" High Kick Plate, Add	2.62	
For 6" High Kick Plate, Add	4.20	
For Curved Rail, Add	18.80	
For Mounting On Stairs, Add	12.50	
For Mounting On Slopes, Add	4.17	
For Post Base Flange With Screws, Add Per Post	19.57	
For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	29.61	
For Custom Design Or Shapes (Square Tops, etc), Add	15.67	
For Nylon Coating, Add	3.15	

05	05	Metals
	05 50	Metal Fabrications
	05 52	Metal Railings



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0006 LF 2" Diameter, Schedule 40, One Rail, Up To 42" High, Welded Steel Pipe Railing.....	46.34	10.34
For Schedule 80 Handrail, Add	15.56	
For 11 Gauge A513 Steel Tubing, Deduct	-5.64	
For 12 Gauge A513 Steel Tubing, Deduct	-6.41	
For 14 Gauge A513 Steel Tubing, Deduct	-8.46	
For 16 Gauge A513 Steel Tubing, Deduct	-10.00	
For Additional Off Set Handrail, ADA Attachment, Add	19.52	
For Aluminum, Satin Finish, Add	10.77	
For Aluminum, Clear Anodized Finish, Add	16.67	
For Aluminum, Dark Anodized Finish, Add	19.23	
For Galvanizing, Add	10.26	
For Wrought Iron, Add	4.63	
For Solid Steel Rails, Add	9.27	
For 304 Stainless Steel, Add	82.05	
For 316 Stainless Steel, Add	92.30	
For 2" Wheel Guard, Add	2.44	
For 4" High Kick Plate, Add	3.21	
For 6" High Kick Plate, Add	5.13	
For Curved Rail, Add	21.59	
For Mounting On Stairs, Add	13.90	
For Mounting On Slopes, Add	4.63	
For Post Base Flange With Screws, Add Per Post	19.57	
For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	29.61	
For Custom Design Or Shapes (Square Tops, etc), Add	18.00	
For Nylon Coating, Add	3.85	
05 52 13 00-0007 LF 2-1/2" Diameter, Schedule 40, One Rail, Up To 42" High, Welded Steel Pipe Railing .....	51.93	10.34
For Schedule 80 Handrail, Add	17.85	
For 11 Gauge A513 Steel Tubing, Deduct	-6.87	
For 12 Gauge A513 Steel Tubing, Deduct	-7.81	
For 14 Gauge A513 Steel Tubing, Deduct	-10.31	
For 16 Gauge A513 Steel Tubing, Deduct	-12.18	
For Additional Off Set Handrail, ADA Attachment, Add	22.88	
For Aluminum, Satin Finish, Add	13.12	
For Aluminum, Clear Anodized Finish, Add	20.30	
For Aluminum, Dark Anodized Finish, Add	23.42	
For Galvanizing, Add	12.49	
For Wrought Iron, Add	5.19	
For Solid Steel Rails, Add	10.39	
For 304 Stainless Steel, Add	99.94	
For 316 Stainless Steel, Add	112.43	
For 2" Wheel Guard, Add	2.97	
For 4" High Kick Plate, Add	3.90	
For 6" High Kick Plate, Add	6.25	
For Curved Rail, Add	24.95	
For Mounting On Stairs, Add	15.58	
For Mounting On Slopes, Add	5.19	
For Post Base Flange With Screws, Add Per Post	19.57	
For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	29.61	
For Custom Design Or Shapes (Square Tops, etc), Add	20.79	
For Nylon Coating, Add	4.68	
<b>05 52 13 00-0008 Two Rail, Up To 42" High, Welded Steel Pipe Railings</b> <small>(05 52 13 00-0001)</small>		
Note: Includes factory primed posts and two rails.		
05 52 13 00-0009 LF 1" Diameter, Schedule 40, Two Rail, Up To 42" High, Welded Steel Pipe Railing.....	49.30	10.34
For Schedule 80 Handrail, Add	7.71	
For 11 Gauge A513 Steel Tubing, Deduct	-6.29	
For 12 Gauge A513 Steel Tubing, Deduct	-7.15	
For 14 Gauge A513 Steel Tubing, Deduct	-9.44	
For 16 Gauge A513 Steel Tubing, Deduct	-11.15	
For Additional Off Set Handrail, ADA Attachment, Add	13.50	
For Aluminum, Satin Finish, Add	12.01	
For Aluminum, Clear Anodized Finish, Add	18.59	
For Aluminum, Dark Anodized Finish, Add	21.45	
For Galvanizing, Add	11.44	
For Wrought Iron, Add	4.93	
For Solid Steel Rails, Add	9.86	
For 304 Stainless Steel, Add	91.52	
For 316 Stainless Steel, Add	102.96	
For 2" Wheel Guard, Add	2.72	
For 4" High Kick Plate, Add	3.58	
For 6" High Kick Plate, Add	5.72	
For Curved Rail, Add	23.37	
For Mounting On Stairs, Add	14.79	
For Mounting On Slopes, Add	4.93	
For Post Base Flange With Screws, Add Per Post	19.57	
For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	29.61	
For Custom Design Or Shapes (Square Tops, etc), Add	19.48	
For Nylon Coating, Add	4.29	





<b>Metals</b>	<b>05</b>	<b>05</b>
Metal Fabrications	05 50	
Metal Railings	05 52	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0010 LF 1-1/4" Diameter, Schedule 40, Two Rail, Up To 42" High, Welded Steel Pipe Railing .....	54.23	10.34
For Schedule 80 Handrail, Add	13.30	
For 11 Gauge A513 Steel Tubing, Deduct	-7.38	
For 12 Gauge A513 Steel Tubing, Deduct	-8.38	
For 14 Gauge A513 Steel Tubing, Deduct	-11.06	
For 16 Gauge A513 Steel Tubing, Deduct	-13.08	
For Additional Off Set Handrail, ADA Attachment, Add	15.11	
For Aluminum, Satin Finish, Add	14.08	
For Aluminum, Clear Anodized Finish, Add	21.79	
For Aluminum, Dark Anodized Finish, Add	25.15	
For Galvanizing, Add	13.41	
For Wrought Iron, Add	5.42	
For Solid Steel Rails, Add	10.85	
For 304 Stainless Steel, Add	107.30	
For 316 Stainless Steel, Add	120.71	
For 2" Wheel Guard, Add	3.19	
For 4" High Kick Plate, Add	4.19	
For 6" High Kick Plate, Add	6.71	
For Curved Rail, Add	26.33	
For Mounting On Stairs, Add	16.27	
For Mounting On Slopes, Add	5.42	
For Post Base Flange With Screws, Add Per Post	19.57	
For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	29.61	
For Custom Design Or Shapes (Square Tops, etc), Add	21.94	
For Nylon Coating, Add	5.03	
05 52 13 00-0011 LF 1-1/2" Diameter, Schedule 40, Two Rail, Up To 42" High, Welded Steel Pipe Railing .....	59.16	10.34
For Schedule 80 Handrail, Add	13.30	
For 11 Gauge A513 Steel Tubing, Deduct	-8.46	
For 12 Gauge A513 Steel Tubing, Deduct	-9.62	
For 14 Gauge A513 Steel Tubing, Deduct	-12.69	
For 16 Gauge A513 Steel Tubing, Deduct	-15.00	
For Additional Off Set Handrail, ADA Attachment, Add	16.73	
For Aluminum, Satin Finish, Add	16.15	
For Aluminum, Clear Anodized Finish, Add	25.00	
For Aluminum, Dark Anodized Finish, Add	28.85	
For Galvanizing, Add	15.38	
For Wrought Iron, Add	5.92	
For Solid Steel Rails, Add	11.83	
For 304 Stainless Steel, Add	123.07	
For 316 Stainless Steel, Add	138.46	
For 2" Wheel Guard, Add	3.65	
For 4" High Kick Plate, Add	4.81	
For 6" High Kick Plate, Add	7.69	
For Curved Rail, Add	29.29	
For Mounting On Stairs, Add	17.75	
For Mounting On Slopes, Add	5.92	
For Post Base Flange With Screws, Add Per Post	19.57	
For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	29.61	
For Custom Design Or Shapes (Square Tops, etc), Add	24.41	
For Nylon Coating, Add	5.77	
05 52 13 00-0012 LF 2" Diameter, Schedule 40, Two Rail, Up To 42" High, Welded Steel Pipe Railing.....	67.70	10.34
For Schedule 80 Handrail, Add	15.56	
For 11 Gauge A513 Steel Tubing, Deduct	-10.34	
For 12 Gauge A513 Steel Tubing, Deduct	-11.75	
For 14 Gauge A513 Steel Tubing, Deduct	-15.51	
For 16 Gauge A513 Steel Tubing, Deduct	-18.33	
For Additional Off Set Handrail, ADA Attachment, Add	19.52	
For Aluminum, Satin Finish, Add	19.74	
For Aluminum, Clear Anodized Finish, Add	30.55	
For Aluminum, Dark Anodized Finish, Add	35.25	
For Galvanizing, Add	18.80	
For Wrought Iron, Add	6.77	
For Solid Steel Rails, Add	13.54	
For 304 Stainless Steel, Add	150.40	
For 316 Stainless Steel, Add	169.20	
For 2" Wheel Guard, Add	4.47	
For 4" High Kick Plate, Add	5.88	
For 6" High Kick Plate, Add	9.40	
For Curved Rail, Add	34.41	
For Mounting On Stairs, Add	20.31	
For Mounting On Slopes, Add	6.77	
For Post Base Flange With Screws, Add Per Post	19.57	
For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	29.61	
For Custom Design Or Shapes (Square Tops, etc), Add	28.68	
For Nylon Coating, Add	7.05	

<b>05</b>	<b>05 Metals</b>
	<b>05 50 Metal Fabrications</b>
	<b>05 52 Metal Railings</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0013 LF 2-1/2" Diameter, Schedule 40, Two Rail, Up To 42" High, Welded Steel Pipe Railing .....	77.94	10.34
For Schedule 80 Handrail, Add	17.85	
For 11 Gauge A513 Steel Tubing, Deduct	-12.59	
For 12 Gauge A513 Steel Tubing, Deduct	-14.31	
For 14 Gauge A513 Steel Tubing, Deduct	-18.89	
For 16 Gauge A513 Steel Tubing, Deduct	-22.32	
For Additional Off Set Handrail, ADA Attachment, Add	22.88	
For Aluminum, Satin Finish, Add	24.04	
For Aluminum, Clear Anodized Finish, Add	37.21	
For Aluminum, Dark Anodized Finish, Add	42.93	
For Galvanizing, Add	22.90	
For Wrought Iron, Add	7.79	
For Solid Steel Rails, Add	15.59	
For 304 Stainless Steel, Add	183.17	
For 316 Stainless Steel, Add	206.06	
For 2" Wheel Guard, Add	5.44	
For 4" High Kick Plate, Add	7.16	
For 6" High Kick Plate, Add	11.45	
For Curved Rail, Add	40.55	
For Mounting On Stairs, Add	23.38	
For Mounting On Slopes, Add	7.79	
For Post Base Flange With Screws, Add Per Post	19.57	
For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	29.61	
For Custom Design Or Shapes (Square Tops, etc), Add	33.80	
For Nylon Coating, Add	8.59	
 05 52 13 00-0014 Three Rail, Up To 42" High, Welded Steel Pipe Railings (05 52 13 00-0001)		
Note: Includes factory primed posts and three rails.		
05 52 13 00-0015 LF 1" Diameter, Schedule 40, Three Rail, Up To 42" High, Welded Steel Pipe Railing .....	75.00	12.41
For Schedule 80 Handrail, Add	10.81	
For 11 Gauge A513 Steel Tubing, Deduct	-11.04	
For 12 Gauge A513 Steel Tubing, Deduct	-12.54	
For 14 Gauge A513 Steel Tubing, Deduct	-16.56	
For 16 Gauge A513 Steel Tubing, Deduct	-19.57	
For Additional Off Set Handrail, ADA Attachment, Add	14.33	
For Aluminum, Satin Finish, Add	21.07	
For Aluminum, Clear Anodized Finish, Add	32.61	
For Aluminum, Dark Anodized Finish, Add	37.63	
For Galvanizing, Add	20.07	
For Wrought Iron, Add	7.50	
For Solid Steel Rails, Add	15.00	
For 304 Stainless Steel, Add	160.54	
For 316 Stainless Steel, Add	180.61	
For 2" Wheel Guard, Add	4.77	
For 4" High Kick Plate, Add	6.27	
For 6" High Kick Plate, Add	10.03	
For Curved Rail, Add	37.55	
For Mounting On Stairs, Add	22.50	
For Mounting On Slopes, Add	7.50	
For Post Base Flange With Screws, Add Per Post	19.98	
For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	30.22	
For Custom Design Or Shapes (Square Tops, etc), Add	31.29	
For Nylon Coating, Add	7.53	
05 52 13 00-0016 LF 1-1/4" Diameter, Schedule 40, Three Rail, Up To 42" High, Welded Steel Pipe Railing .....	83.63	12.41
For Schedule 80 Handrail, Add	18.27	
For 11 Gauge A513 Steel Tubing, Deduct	-12.94	
For 12 Gauge A513 Steel Tubing, Deduct	-14.70	
For 14 Gauge A513 Steel Tubing, Deduct	-19.40	
For 16 Gauge A513 Steel Tubing, Deduct	-22.93	
For Additional Off Set Handrail, ADA Attachment, Add	15.94	
For Aluminum, Satin Finish, Add	24.70	
For Aluminum, Clear Anodized Finish, Add	38.22	
For Aluminum, Dark Anodized Finish, Add	44.10	
For Galvanizing, Add	23.52	
For Wrought Iron, Add	8.36	
For Solid Steel Rails, Add	16.73	
For 304 Stainless Steel, Add	188.16	
For 316 Stainless Steel, Add	211.68	
For 2" Wheel Guard, Add	5.59	
For 4" High Kick Plate, Add	7.35	
For 6" High Kick Plate, Add	11.76	
For Curved Rail, Add	42.73	
For Mounting On Stairs, Add	25.09	
For Mounting On Slopes, Add	8.36	
For Post Base Flange With Screws, Add Per Post	19.98	
For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	30.22	
For Custom Design Or Shapes (Square Tops, etc), Add	35.61	
For Nylon Coating, Add	8.82	



<b>Metals</b>	<b>05</b>	<b>05</b>
Metal Fabrications	05 50	
Metal Railings	05 52	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0017 LF 1-1/2" Diameter, Schedule 40, Three Rail, Up To 42" High, Welded Steel Pipe Railing.....	92.27	12.41
For Schedule 80 Handrail, Add	18.27	
For 11 Gauge A513 Steel Tubing, Deduct	-14.84	
For 12 Gauge A513 Steel Tubing, Deduct	-16.86	
For 14 Gauge A513 Steel Tubing, Deduct	-22.26	
For 16 Gauge A513 Steel Tubing, Deduct	-26.30	
For Additional Off Set Handrail, ADA Attachment, Add	17.56	
For Aluminum, Satin Finish, Add	28.32	
For Aluminum, Clear Anodized Finish, Add	43.84	
For Aluminum, Dark Anodized Finish, Add	50.58	
For Galvanizing, Add	26.98	
For Wrought Iron, Add	9.23	
For Solid Steel Rails, Add	18.45	
For 304 Stainless Steel, Add	215.81	
For 316 Stainless Steel, Add	242.78	
For 2" Wheel Guard, Add	6.41	
For 4" High Kick Plate, Add	8.43	
For 6" High Kick Plate, Add	13.49	
For Curved Rail, Add	47.91	
For Mounting On Stairs, Add	27.68	
For Mounting On Slopes, Add	9.23	
For Post Base Flange With Screws, Add Per Post	19.98	
For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	30.22	
For Custom Design Or Shapes (Square Tops, etc), Add	39.93	
For Nylon Coating, Add	10.12	
05 52 13 00-0018 LF 2" Diameter, Schedule 40, Three Rail, Up To 42" High, Welded Steel Pipe Railing.....	107.28	12.41
For Schedule 80 Handrail, Add	21.28	
For 11 Gauge A513 Steel Tubing, Deduct	-18.14	
For 12 Gauge A513 Steel Tubing, Deduct	-20.61	
For 14 Gauge A513 Steel Tubing, Deduct	-27.21	
For 16 Gauge A513 Steel Tubing, Deduct	-32.16	
For Additional Off Set Handrail, ADA Attachment, Add	20.35	
For Aluminum, Satin Finish, Add	34.63	
For Aluminum, Clear Anodized Finish, Add	53.59	
For Aluminum, Dark Anodized Finish, Add	61.84	
For Galvanizing, Add	32.98	
For Wrought Iron, Add	10.73	
For Solid Steel Rails, Add	21.46	
For 304 Stainless Steel, Add	263.84	
For 316 Stainless Steel, Add	296.82	
For 2" Wheel Guard, Add	7.83	
For 4" High Kick Plate, Add	10.31	
For 6" High Kick Plate, Add	16.49	
For Curved Rail, Add	56.92	
For Mounting On Stairs, Add	32.18	
For Mounting On Slopes, Add	10.73	
For Post Base Flange With Screws, Add Per Post	19.98	
For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	30.22	
For Custom Design Or Shapes (Square Tops, etc), Add	47.43	
For Nylon Coating, Add	12.37	
05 52 13 00-0019 LF 2-1/2" Diameter, Schedule 40, Three Rail, Up To 42" High, Welded Steel Pipe Railing.....	125.16	12.41
For Schedule 80 Handrail, Add	24.33	
For 11 Gauge A513 Steel Tubing, Deduct	-22.07	
For 12 Gauge A513 Steel Tubing, Deduct	-25.08	
For 14 Gauge A513 Steel Tubing, Deduct	-33.11	
For 16 Gauge A513 Steel Tubing, Deduct	-39.13	
For Additional Off Set Handrail, ADA Attachment, Add	23.71	
For Aluminum, Satin Finish, Add	42.14	
For Aluminum, Clear Anodized Finish, Add	65.21	
For Aluminum, Dark Anodized Finish, Add	75.25	
For Galvanizing, Add	40.13	
For Wrought Iron, Add	12.52	
For Solid Steel Rails, Add	25.03	
For 304 Stainless Steel, Add	321.06	
For 316 Stainless Steel, Add	361.19	
For 2" Wheel Guard, Add	9.53	
For 4" High Kick Plate, Add	12.54	
For 6" High Kick Plate, Add	20.07	
For Curved Rail, Add	67.65	
For Mounting On Stairs, Add	37.55	
For Mounting On Slopes, Add	12.52	
For Post Base Flange With Screws, Add Per Post	19.98	
For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	30.22	
For Custom Design Or Shapes (Square Tops, etc), Add	56.37	
For Nylon Coating, Add	15.05	

05 52 13 00-0020 Four Rail, Up To 42" High, Welded Steel Pipe Railings (05 52 13 00-0001)  
 Note: Includes factory primed posts and four rails.

05	05	Metals
	05 50	Metal Fabrications
	05 52	Metal Railings



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0021 LF 1" Diameter, Schedule 40, Four Rail, Up To 42" High, Welded Steel Pipe Railing .....	90.54	14.48
For Schedule 80 Handrail, Add	14.18	
For 11 Gauge A513 Steel Tubing, Deduct	-13.55	
For 12 Gauge A513 Steel Tubing, Deduct	-15.39	
For 14 Gauge A513 Steel Tubing, Deduct	-20.32	
For 16 Gauge A513 Steel Tubing, Deduct	-24.01	
For Additional Off Set Handrail, ADA Attachment, Add	15.15	
For Aluminum, Satin Finish, Add	25.86	
For Aluminum, Clear Anodized Finish, Add	40.02	
For Aluminum, Dark Anodized Finish, Add	46.18	
For Galvanizing, Add	24.63	
For Wrought Iron, Add	9.05	
For Solid Steel Rails, Add	18.11	
For 304 Stainless Steel, Add	197.02	
For 316 Stainless Steel, Add	221.65	
For 2" Wheel Guard, Add	5.85	
For 4" High Kick Plate, Add	7.70	
For 6" High Kick Plate, Add	12.31	
For Curved Rail, Add	45.63	
For Mounting On Stairs, Add	27.16	
For Mounting On Slopes, Add	9.05	
For Post Base Flange With Screws, Add Per Post	20.40	
For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	30.85	
For Custom Design Or Shapes (Square Tops, etc), Add	38.03	
For Nylon Coating, Add	9.24	
05 52 13 00-0022 LF 1-1/4" Diameter, Schedule 40, Four Rail, Up To 42" High, Welded Steel Pipe Railing .....	98.21	14.48
For Schedule 80 Handrail, Add	23.50	
For 11 Gauge A513 Steel Tubing, Deduct	-15.23	
For 12 Gauge A513 Steel Tubing, Deduct	-17.31	
For 14 Gauge A513 Steel Tubing, Deduct	-22.85	
For 16 Gauge A513 Steel Tubing, Deduct	-27.00	
For Additional Off Set Handrail, ADA Attachment, Add	16.76	
For Aluminum, Satin Finish, Add	29.08	
For Aluminum, Clear Anodized Finish, Add	45.01	
For Aluminum, Dark Anodized Finish, Add	51.93	
For Galvanizing, Add	27.70	
For Wrought Iron, Add	9.82	
For Solid Steel Rails, Add	19.64	
For 304 Stainless Steel, Add	221.57	
For 316 Stainless Steel, Add	249.26	
For 2" Wheel Guard, Add	6.58	
For 4" High Kick Plate, Add	8.66	
For 6" High Kick Plate, Add	13.85	
For Curved Rail, Add	50.24	
For Mounting On Stairs, Add	29.46	
For Mounting On Slopes, Add	9.82	
For Post Base Flange With Screws, Add Per Post	20.40	
For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	30.85	
For Custom Design Or Shapes (Square Tops, etc), Add	41.86	
For Nylon Coating, Add	10.39	
05 52 13 00-0023 LF 1-1/2" Diameter, Schedule 40, Four Rail, Up To 42" High, Welded Steel Pipe Railing .....	105.88	14.48
For Schedule 80 Handrail, Add	23.50	
For 11 Gauge A513 Steel Tubing, Deduct	-16.92	
For 12 Gauge A513 Steel Tubing, Deduct	-19.23	
For 14 Gauge A513 Steel Tubing, Deduct	-25.38	
For 16 Gauge A513 Steel Tubing, Deduct	-29.99	
For Additional Off Set Handrail, ADA Attachment, Add	18.38	
For Aluminum, Satin Finish, Add	32.30	
For Aluminum, Clear Anodized Finish, Add	49.99	
For Aluminum, Dark Anodized Finish, Add	57.68	
For Galvanizing, Add	30.76	
For Wrought Iron, Add	10.59	
For Solid Steel Rails, Add	21.18	
For 304 Stainless Steel, Add	246.11	
For 316 Stainless Steel, Add	276.88	
For 2" Wheel Guard, Add	7.31	
For 4" High Kick Plate, Add	9.61	
For 6" High Kick Plate, Add	15.38	
For Curved Rail, Add	54.84	
For Mounting On Stairs, Add	31.76	
For Mounting On Slopes, Add	10.59	
For Post Base Flange With Screws, Add Per Post	20.40	
For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	30.85	
For Custom Design Or Shapes (Square Tops, etc), Add	45.70	
For Nylon Coating, Add	11.54	



	<b>Metals</b>	<b>05</b>	
	Metal Fabrications	05 50	05
	Metal Railings	05 52	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0024 LF 2" Diameter, Schedule 40, Four Rail, Up To 42" High, Welded Steel Pipe Railing.....	122.96	14.48
For Schedule 80 Handrail, Add	27.27	
For 11 Gauge A513 Steel Tubing, Deduct	-20.68	
For 12 Gauge A513 Steel Tubing, Deduct	-23.50	
For 14 Gauge A513 Steel Tubing, Deduct	-31.02	
For 16 Gauge A513 Steel Tubing, Deduct	-36.66	
For Additional Off Set Handrail, ADA Attachment, Add	21.17	
For Aluminum, Satin Finish, Add	39.48	
For Aluminum, Clear Anodized Finish, Add	61.09	
For Aluminum, Dark Anodized Finish, Add	70.49	
For Galvanizing, Add	37.60	
For Wrought Iron, Add	12.30	
For Solid Steel Rails, Add	24.59	
For 304 Stainless Steel, Add	300.77	
For 316 Stainless Steel, Add	338.36	
For 2" Wheel Guard, Add	8.93	
For 4" High Kick Plate, Add	11.75	
For 6" High Kick Plate, Add	18.80	
For Curved Rail, Add	65.09	
For Mounting On Stairs, Add	36.89	
For Mounting On Slopes, Add	12.30	
For Post Base Flange With Screws, Add Per Post	20.40	
For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	30.85	
For Custom Design Or Shapes (Square Tops, etc), Add	54.24	
For Nylon Coating, Add	14.10	
05 52 13 00-0025 LF 2-1/2" Diameter, Schedule 40, Four Rail, Up To 42" High, Welded Steel Pipe Railing.....	142.98	14.48
For Schedule 80 Handrail, Add	31.08	
For 11 Gauge A513 Steel Tubing, Deduct	-25.08	
For 12 Gauge A513 Steel Tubing, Deduct	-28.50	
For 14 Gauge A513 Steel Tubing, Deduct	-37.62	
For 16 Gauge A513 Steel Tubing, Deduct	-44.46	
For Additional Off Set Handrail, ADA Attachment, Add	24.53	
For Aluminum, Satin Finish, Add	47.88	
For Aluminum, Clear Anodized Finish, Add	74.11	
For Aluminum, Dark Anodized Finish, Add	85.51	
For Galvanizing, Add	45.60	
For Wrought Iron, Add	14.30	
For Solid Steel Rails, Add	28.60	
For 304 Stainless Steel, Add	364.83	
For 316 Stainless Steel, Add	410.44	
For 2" Wheel Guard, Add	10.83	
For 4" High Kick Plate, Add	14.25	
For 6" High Kick Plate, Add	22.80	
For Curved Rail, Add	77.10	
For Mounting On Stairs, Add	42.89	
For Mounting On Slopes, Add	14.30	
For Post Base Flange With Screws, Add Per Post	20.40	
For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	30.85	
For Custom Design Or Shapes (Square Tops, etc), Add	64.25	
For Nylon Coating, Add	17.10	
<b>05 52 13 00-0026 Railing Infill Panels (05 52 13)</b>		
Note: Includes field welds and touch-up of welds.		
<b>05 52 13 00-0027 Wire Mesh Or Welded Wire Mesh, Railing Infill Panels (05 52 13 00-0026)</b>		
Note: Square weave or square welded wire mesh.		
05 52 13 00-0028 SF Powder Coated Steel, Wire Mesh Or Welded Wire Mesh, Railing Infill Panel .....	14.87	
05 52 13 00-0029 SF Galvanized Steel, Wire Mesh Or Welded Wire Mesh, Railing Infill Panel .....	15.79	
05 52 13 00-0030 SF Aluminum, Wire Mesh Or Welded Wire Mesh, Railing Infill Panel .....	16.60	
05 52 13 00-0031 SF Stainless Steel, Wire Mesh Or Welded Wire Mesh, Railing Infill Panel .....	28.07	
<b>05 52 13 00-0032 Perforated Metal, Railing Infill Panels (05 52 13 00-0026)</b>		
05 52 13 00-0033 SF Powder Coated Steel, Perforated Metal, Railing Infill Panel .....	14.58	
05 52 13 00-0034 SF Galvanized Steel, Perforated Metal, Railing Infill Panel.....	15.07	
05 52 13 00-0035 SF Aluminum, Perforated Metal, Railing Infill Panel.....	16.14	
05 52 13 00-0036 SF Stainless Steel, Perforated Metal, Railing Infill Panel.....	32.39	
<b>05 52 13 00-0037 Expanded Metal, Railing Infill Panels (05 52 13 00-0026)</b>		
05 52 13 00-0038 SF Powder Coated Steel, Expanded Metal, Railing Infill Panel.....	6.58	
05 52 13 00-0039 SF Galvanized Steel, Expanded Metal, Railing Infill Panel .....	13.44	
05 52 13 00-0040 SF Aluminum, Expanded Metal, Railing Infill Panel.....	17.65	
05 52 13 00-0041 SF Stainless Steel, Expanded Metal, Railing Infill Panel.....	26.31	
<b>05 52 13 00-0042 Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railings (05 52 13)</b>		
Note: Includes factory primed, fasteners and field touch-up of welds.		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0043	LF		1" Diameter, Schedule 40, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing.....	37.40	6.21
			<i>For Schedule 80 Handrail, Add</i>	3.52	
			<i>For 11 Gauge A513 Steel Tubing, Deduct</i>	-4.82	
			<i>For 12 Gauge A513 Steel Tubing, Deduct</i>	-5.47	
			<i>For 14 Gauge A513 Steel Tubing, Deduct</i>	-7.22	
			<i>For 16 Gauge A513 Steel Tubing, Deduct</i>	-8.54	
			<i>For Stainless Steel, Add</i>	43.78	
			<i>For Aluminum, Satin Finish, Add</i>	9.19	
			<i>For Curved Rail, Add</i>	11.22	
			<i>For Aluminum, Clear Anodized Finish, Add</i>	14.23	
			<i>For Aluminum, Dark Anodized Finish, Add</i>	16.42	
			<i>For Galvanized Finish, Add</i>	6.57	
05 52 13 00-0044	LF		1-1/4" Diameter, Schedule 40, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing .....	38.11	6.21
			<i>For Schedule 80 Handrail, Add</i>	4.43	
			<i>For 11 Gauge A513 Steel Tubing, Deduct</i>	-4.97	
			<i>For 12 Gauge A513 Steel Tubing, Deduct</i>	-5.65	
			<i>For 14 Gauge A513 Steel Tubing, Deduct</i>	-7.46	
			<i>For 16 Gauge A513 Steel Tubing, Deduct</i>	-8.81	
			<i>For Stainless Steel, Add</i>	45.20	
			<i>For Aluminum, Satin Finish, Add</i>	9.49	
			<i>For Curved Rail, Add</i>	11.43	
			<i>For Aluminum, Clear Anodized Finish, Add</i>	14.69	
			<i>For Aluminum, Dark Anodized Finish, Add</i>	16.95	
			<i>For Galvanized Finish, Add</i>	6.78	
05 52 13 00-0045	LF		1-1/2" Diameter, Schedule 40, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing .....	38.82	6.21
			<i>For Schedule 80 Handrail, Add</i>	16.87	
			<i>For 11 Gauge A513 Steel Tubing, Deduct</i>	-5.13	
			<i>For 12 Gauge A513 Steel Tubing, Deduct</i>	-5.83	
			<i>For 14 Gauge A513 Steel Tubing, Deduct</i>	-7.69	
			<i>For 16 Gauge A513 Steel Tubing, Deduct</i>	-9.09	
			<i>For Stainless Steel, Add</i>	46.62	
			<i>For Aluminum, Satin Finish, Add</i>	9.79	
			<i>For Curved Rail, Add</i>	11.65	
			<i>For Aluminum, Clear Anodized Finish, Add</i>	15.15	
			<i>For Aluminum, Dark Anodized Finish, Add</i>	17.48	
			<i>For Galvanized Finish, Add</i>	6.99	
05 52 13 00-0046	LF		2" Diameter, Schedule 40, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing.....	46.94	6.21
			<i>For Schedule 80 Handrail, Add</i>	6.13	
			<i>For 11 Gauge A513 Steel Tubing, Deduct</i>	-6.91	
			<i>For 12 Gauge A513 Steel Tubing, Deduct</i>	-7.86	
			<i>For 14 Gauge A513 Steel Tubing, Deduct</i>	-10.37	
			<i>For 16 Gauge A513 Steel Tubing, Deduct</i>	-12.26	
			<i>For Stainless Steel, Add</i>	62.86	
			<i>For Aluminum, Satin Finish, Add</i>	13.20	
			<i>For Curved Rail, Add</i>	14.08	
			<i>For Aluminum, Clear Anodized Finish, Add</i>	20.43	
			<i>For Aluminum, Dark Anodized Finish, Add</i>	23.57	
			<i>For Galvanized Finish, Add</i>	9.43	
05 52 13 00-0047	LF		2-1/2" Diameter, Schedule 40, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing .....	53.65	6.21
			<i>For Schedule 80 Handrail, Add</i>	6.90	
			<i>For 11 Gauge A513 Steel Tubing, Deduct</i>	-8.39	
			<i>For 12 Gauge A513 Steel Tubing, Deduct</i>	-9.54	
			<i>For 14 Gauge A513 Steel Tubing, Deduct</i>	-12.59	
			<i>For 16 Gauge A513 Steel Tubing, Deduct</i>	-14.87	
			<i>For Stainless Steel, Add</i>	76.28	
			<i>For Aluminum, Satin Finish, Add</i>	16.02	
			<i>For Curved Rail, Add</i>	16.10	
			<i>For Aluminum, Clear Anodized Finish, Add</i>	24.79	
			<i>For Aluminum, Dark Anodized Finish, Add</i>	28.61	
			<i>For Galvanized Finish, Add</i>	11.44	
05 52 13 00-0048			<b>Custom Shapes, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railings</b> <small>(05 52 13)</small>		
			Note: Includes factory primed, fasteners and field touch-up of welds.		
05 52 13 00-0049	LF		1" Diameter, Custom Shapes, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing.....	45.70	6.52
			<i>For Schedule 80 Handrail, Add</i>	3.52	
			<i>For 11 Gauge A513 Steel Tubing, Deduct</i>	-6.64	
			<i>For 12 Gauge A513 Steel Tubing, Deduct</i>	-7.55	
			<i>For 14 Gauge A513 Steel Tubing, Deduct</i>	-9.96	
			<i>For 16 Gauge A513 Steel Tubing, Deduct</i>	-11.77	
			<i>For Stainless Steel, Add</i>	60.38	
			<i>For Aluminum, Satin Finish, Add</i>	12.68	
			<i>For Curved Rail, Add</i>	13.71	
			<i>For Aluminum, Clear Anodized Finish, Add</i>	19.62	
			<i>For Aluminum, Dark Anodized Finish, Add</i>	22.64	
			<i>For Galvanized Finish, Add</i>	9.06	



	<b>Metals</b>	<b>05</b>	
	Metal Fabrications	05 50	<b>05</b>
	Metal Railings	05 52	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0050 LF 1-1/4" Diameter, Custom Shapes, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing.....	46.69	6.52
For Schedule 80 Handrail, Add	4.43	
For 11 Gauge A513 Steel Tubing, Deduct	-6.86	
For 12 Gauge A513 Steel Tubing, Deduct	-7.80	
For 14 Gauge A513 Steel Tubing, Deduct	-10.29	
For 16 Gauge A513 Steel Tubing, Deduct	-12.16	
For Stainless Steel, Add	62.36	
For Aluminum, Satin Finish, Add	13.10	
For Curved Rail, Add	14.01	
For Aluminum, Clear Anodized Finish, Add	20.27	
For Aluminum, Dark Anodized Finish, Add	23.39	
For Galvanized Finish, Add	9.35	
05 52 13 00-0051 LF 1-1/2" Diameter, Custom Shapes, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing.....	47.43	6.52
For Schedule 80 Handrail, Add	16.87	
For 11 Gauge A513 Steel Tubing, Deduct	-7.02	
For 12 Gauge A513 Steel Tubing, Deduct	-7.98	
For 14 Gauge A513 Steel Tubing, Deduct	-10.53	
For 16 Gauge A513 Steel Tubing, Deduct	-12.45	
For Stainless Steel, Add	63.84	
For Aluminum, Satin Finish, Add	13.41	
For Curved Rail, Add	14.23	
For Aluminum, Clear Anodized Finish, Add	20.75	
For Aluminum, Dark Anodized Finish, Add	23.94	
For Galvanized Finish, Add	9.58	
05 52 13 00-0052 LF 2" Diameter, Custom Shapes, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing.....	58.77	6.52
For Schedule 80 Handrail, Add	6.13	
For 11 Gauge A513 Steel Tubing, Deduct	-9.52	
For 12 Gauge A513 Steel Tubing, Deduct	-10.82	
For 14 Gauge A513 Steel Tubing, Deduct	-14.28	
For 16 Gauge A513 Steel Tubing, Deduct	-16.87	
For Stainless Steel, Add	86.52	
For Aluminum, Satin Finish, Add	18.17	
For Curved Rail, Add	17.63	
For Aluminum, Clear Anodized Finish, Add	28.12	
For Aluminum, Dark Anodized Finish, Add	32.45	
For Galvanized Finish, Add	12.98	
05 52 13 00-0053 LF 2-1/2" Diameter, Custom Shapes, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing.....	66.18	6.52
For Schedule 80 Handrail, Add	6.90	
For 11 Gauge A513 Steel Tubing, Deduct	-11.15	
For 12 Gauge A513 Steel Tubing, Deduct	-12.67	
For 14 Gauge A513 Steel Tubing, Deduct	-16.72	
For 16 Gauge A513 Steel Tubing, Deduct	-19.76	
For Stainless Steel, Add	101.34	
For Aluminum, Satin Finish, Add	21.28	
For Curved Rail, Add	19.85	
For Aluminum, Clear Anodized Finish, Add	32.94	
For Aluminum, Dark Anodized Finish, Add	38.00	
For Galvanized Finish, Add	15.20	
<b>05 52 13 00-0054 Remove/Reinstall Pipe Railing (05 52 13)</b>		
05 52 13 00-0055 LF Removal And Reinstallation Of Wall Bracket Mounted Pipe Railing.....	23.28	
05 52 13 00-0056 LF Removal And Reinstallation Of Floor Mounted Pipe Railing.....	31.29	
05 52 13 00-0057 EA Install New Galvanized Steel Pipe Railing Bracket.....	63.72	
For Stainless Steel, Add	65.36	

**05 53 Metal Gratings (05 50)**

**05 53 13 Bar Gratings (05 53)**

**05 53 13 00-0001 Welded Grating (05 53 13)**

Note: Sizes are for height and width of bearing bars. Welded grating is open grid grating which has bearing bars and cross bars locked in place by resistance welding, or conventional hand welding. Resistance welded grating is produced on precise automated production equipment by combining hydraulic pressure with a powerful electric current to fuse - electroforge - the cross bar and bearing bar into a single rigid panel.

**05 53 13 00-0002 Steel, Welded Grating (05 53 13 00-0001)**

Note: Bearing bars at 1-3/16" on-center, crossbars at 4" on-center, bolted or tack welded, unpainted steel, and in all sizes.

05 53 13 00-0003 SF 3/4" x 1/8" Steel, Welded Grating .....	13.57	1.13
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	1.92	
For 304 Stainless Steel, Add	36.24	
Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
For Bearing Bars At 15/16" On-Center, Add	3.30	
For Crossbars At 2" On-Center, Add	1.22	
For Set In Place Without Bolting Or Tack Welding, Deduct	-1.81	
05 53 13 00-0004 SF 3/4" x 3/16" Steel, Welded Grating .....	18.25	1.13
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	2.71	
For 304 Stainless Steel, Add	51.26	
Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
For Bearing Bars At 15/16" On-Center, Add	4.66	
For Crossbars At 2" On-Center, Add	1.72	
For Set In Place Without Bolting Or Tack Welding, Deduct	-1.93	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0005 SF 1" x 1/8" Steel, Welded Grating .....	16.58	1.13
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	2.43	
For 304 Stainless Steel, Add	45.90	
Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
For Bearing Bars At 15/16" On-Center, Add	4.18	
For Crossbars At 2" On-Center, Add	1.54	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-1.89	
05 53 13 00-0006 SF 1" x 3/16" Steel, Welded Grating.....	22.92	1.13
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	3.51	
For 304 Stainless Steel, Add	66.25	
Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
For Bearing Bars At 15/16" On-Center, Add	6.03	
For Crossbars At 2" On-Center, Add	2.23	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-2.04	
05 53 13 00-0007 SF 1" x 1/4" Steel, Welded Grating .....	29.27	1.13
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	4.59	
For 304 Stainless Steel, Add	86.64	
Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
For Bearing Bars At 15/16" On-Center, Add	7.88	
For Crossbars At 2" On-Center, Add	2.91	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-2.20	
05 53 13 00-0008 SF 1-1/4" x 1/8" Steel, Welded Grating .....	19.62	1.13
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	2.95	
For 304 Stainless Steel, Add	55.66	
Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
For Bearing Bars At 15/16" On-Center, Add	5.06	
For Crossbars At 2" On-Center, Add	1.87	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-1.96	
05 53 13 00-0009 SF 1-1/4" x 3/16" Steel, Welded Grating .....	27.33	1.13
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	4.26	
For 304 Stainless Steel, Add	80.41	
Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
For Bearing Bars At 15/16" On-Center, Add	7.31	
For Crossbars At 2" On-Center, Add	2.71	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-2.15	
05 53 13 00-0010 SF 1-1/2" x 1/8" Steel, Welded Grating .....	22.66	1.13
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	3.46	
For 304 Stainless Steel, Add	65.42	
Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
For Bearing Bars At 15/16" On-Center, Add	5.95	
For Crossbars At 2" On-Center, Add	2.20	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-2.04	
05 53 13 00-0011 SF 1-1/2" x 3/16" Steel, Welded Grating .....	32.48	1.40
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	5.05	
For 304 Stainless Steel, Add	95.30	
Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
For Bearing Bars At 15/16" On-Center, Add	8.67	
For Crossbars At 2" On-Center, Add	3.21	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-2.61	
05 53 13 00-0012 SF 1-1/2" x 1/4" Steel, Welded Grating .....	42.14	1.40
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	6.69	
For 304 Stainless Steel, Add	126.31	
Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
For Bearing Bars At 15/16" On-Center, Add	11.49	
For Crossbars At 2" On-Center, Add	4.25	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-2.85	
05 53 13 00-0013 SF 1-3/4" x 3/16" Steel, Welded Grating .....	37.19	1.40
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	5.85	
For 304 Stainless Steel, Add	110.42	
Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
For Bearing Bars At 15/16" On-Center, Add	10.04	
For Crossbars At 2" On-Center, Add	3.72	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-2.73	





<b>Metals</b>	<b>05</b>	<b>05</b>
Metal Fabrications	05 50	
Metal Gratings	05 53	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0014 SF 2" x 3/16" Steel, Welded Grating ..... For One Coat Of Shop Applied Paint (Red Or Black), Add For Galvanized Steel, Add For 304 Stainless Steel, Add Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center For Bearing Bars At 15/16" On-Center, Add For Crossbars At 2" On-Center, Add For Serrated Wear Surface, Add For Set In Place Without Bolting Or Tack Welding, Deduct	41.60 0.22 6.60 124.58 11.33 4.19 0.16 -2.84	1.40
05 53 13 00-0015 SF 2-1/4" x 3/16" Steel, Welded Grating ..... For One Coat Of Shop Applied Paint (Red Or Black), Add For Galvanized Steel, Add For 304 Stainless Steel, Add Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center For Bearing Bars At 15/16" On-Center, Add For Crossbars At 2" On-Center, Add For Serrated Wear Surface, Add For Set In Place Without Bolting Or Tack Welding, Deduct	46.28 0.22 7.39 139.60 12.70 4.70 0.16 -2.96	1.40
05 53 13 00-0016 SF 2-1/2" x 3/16" Steel, Welded Grating ..... For One Coat Of Shop Applied Paint (Red Or Black), Add For Galvanized Steel, Add For 304 Stainless Steel, Add Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center For Bearing Bars At 15/16" On-Center, Add For Crossbars At 2" On-Center, Add For Serrated Wear Surface, Add For Set In Place Without Bolting Or Tack Welding, Deduct	50.69 0.22 8.14 153.76 13.99 5.17 0.16 -3.07	1.40
<b>05 53 13 00-0017 Pressure Locked Grating</b> <small>(05 53 13)</small> Note: Sizes are for height and width of bearing bars. Pressure locked grating is an open grid grating which is an assembly of tight-fitting, slotted bearing bars and cross bars, interlocked together. The permanent locking of the bars is accomplished by slotting the bearing bars with a wider 'dovetail' shape at the bottom of the slot. The bearing bar slot is usually 1/2 the depth of the cross bar. The cross bars are slotted to a depth slightly less than half its depth. When the bars are pressed together under hydraulic pressure, the cross bar material is forced into the 'dovetail' shape of the bearing bar notch, forming a strong, rigid unit.		
<b>05 53 13 00-0018 Steel, Pressure Locked Grating</b> <small>(05 53 13 00-0017)</small> Note: Bearing bars at 1-3/16" on-center, crossbars at 4" on-center, bolted or tack welded, unpainted steel, and in all sizes.		
05 53 13 00-0019 SF 3/4" x 1/8" Steel, Pressure Locked Grating ..... For One Coat Of Shop Applied Paint (Red Or Black), Add For Galvanized Steel, Add For 304 Stainless Steel, Add Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center For Bearing Bars At 15/16" On-Center, Add For Crossbars At 2" On-Center, Add For Set In Place Without Bolting Or Tack Welding, Deduct	25.83 0.22 3.86 44.06 6.88 2.54 -2.12	1.13
05 53 13 00-0020 SF 3/4" x 3/16" Steel, Pressure Locked Grating ..... For One Coat Of Shop Applied Paint (Red Or Black), Add For Galvanized Steel, Add For 304 Stainless Steel, Add Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center For Bearing Bars At 15/16" On-Center, Add For Crossbars At 2" On-Center, Add For Set In Place Without Bolting Or Tack Welding, Deduct	31.84 0.22 4.85 55.31 8.63 3.19 -2.27	1.13
05 53 13 00-0021 SF 1" x 1/8" Steel, Pressure Locked Grating ..... For One Coat Of Shop Applied Paint (Red Or Black), Add For Galvanized Steel, Add For 304 Stainless Steel, Add Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center For Bearing Bars At 15/16" On-Center, Add For Crossbars At 2" On-Center, Add For Serrated Wear Surface, Add For Set In Place Without Bolting Or Tack Welding, Deduct	28.40 0.22 4.28 48.87 7.63 2.82 0.16 -2.18	1.13
05 53 13 00-0022 SF 1" x 3/16" Steel, Pressure Locked Grating ..... For One Coat Of Shop Applied Paint (Red Or Black), Add For Galvanized Steel, Add For 304 Stainless Steel, Add Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center For Bearing Bars At 7/16" On-Center, Add For Bearing Bars At 15/16" On-Center, Add For Crossbars At 2" On-Center, Add For Serrated Wear Surface, Add For Set In Place Without Bolting Or Tack Welding, Deduct	38.72 0.22 5.98 68.18 52.84 10.64 3.94 0.16 -2.44	1.13
05 53 13 00-0023 SF 1-1/4" x 1/8" Steel, Pressure Locked Grating ..... For One Coat Of Shop Applied Paint (Red Or Black), Add For Galvanized Steel, Add For 304 Stainless Steel, Add Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center For Bearing Bars At 15/16" On-Center, Add For Crossbars At 2" On-Center, Add For Serrated Wear Surface, Add For Set In Place Without Bolting Or Tack Welding, Deduct	31.84 0.22 4.85 55.31 8.63 3.19 0.16 -2.27	1.13

05	05	Metals
	05 50	Metal Fabrications
	05 53	Metal Gratings



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0024 SF 1-1/4" x 3/16" Steel, Pressure Locked Grating.....	43.50	1.13
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	6.76	
For 304 Stainless Steel, Add	77.12	
Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
For Bearing Bars At 15/16" On-Center, Add	12.04	
For Crossbars At 2" On-Center, Add	4.45	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-2.56	
05 53 13 00-0025 SF 1-1/2" x 1/8" Steel, Pressure Locked Grating.....	35.45	1.13
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	5.44	
For 304 Stainless Steel, Add	62.06	
Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
For Bearing Bars At 15/16" On-Center, Add	9.69	
For Crossbars At 2" On-Center, Add	3.58	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-2.36	
05 53 13 00-0026 SF 1-1/2" x 3/16" Steel, Pressure Locked Grating.....	49.02	1.40
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	7.58	
For 304 Stainless Steel, Add	86.50	
Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
For Bearing Bars At 7/16" On-Center, Add	67.03	
For Bearing Bars At 15/16" On-Center, Add	13.50	
For Crossbars At 2" On-Center, Add	4.99	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-3.03	
05 53 13 00-0027 SF 1-3/4" x 3/16" Steel, Pressure Locked Grating.....	54.06	1.40
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	8.41	
For 304 Stainless Steel, Add	95.93	
Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
For Bearing Bars At 15/16" On-Center, Add	14.97	
For Crossbars At 2" On-Center, Add	5.54	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-3.15	
05 53 13 00-0028 SF 2" x 3/16" Steel, Pressure Locked Grating.....	58.17	1.40
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	9.08	
For 304 Stainless Steel, Add	103.62	
Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
For Bearing Bars At 15/16" On-Center, Add	16.17	
For Crossbars At 2" On-Center, Add	5.98	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-3.25	
05 53 13 00-0029 SF 2-1/4" x 3/16" Steel, Pressure Locked Grating.....	62.11	1.40
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	9.73	
For 304 Stainless Steel, Add	110.99	
Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
For Bearing Bars At 15/16" On-Center, Add	17.32	
For Crossbars At 2" On-Center, Add	6.41	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-3.35	
05 53 13 00-0030 SF 2-1/2" x 3/16" Steel, Pressure Locked Grating.....	65.52	1.40
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	10.29	
For 304 Stainless Steel, Add	117.37	
Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
For Bearing Bars At 15/16" On-Center, Add	18.32	
For Crossbars At 2" On-Center, Add	6.77	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-3.44	
05 53 13 00-0031 Aluminum, Type 6063, Pressure Locked Grating (05 53 13 00-0017)		
Note: Bearing bars at 1-3/16" on-center, crossbars at 4" on-center, bolted in place, and in all sizes.		
05 53 13 00-0032 SF 3/4" x 1/8" Aluminum, Pressure Locked Grating.....	16.98	1.13
For Bearing Bars At 15/16" On-Center, Add	4.29	
For Crossbars At 2" On-Center, Add	1.59	
For Set In Place Without Bolting, Deduct	-1.90	
For Powder Coating, Add	2.21	
05 53 13 00-0033 SF 3/4" x 3/16" Aluminum, Pressure Locked Grating.....	23.01	1.13
For Bearing Bars At 15/16" On-Center, Add	6.05	
For Crossbars At 2" On-Center, Add	2.24	
For Set In Place Without Bolting, Deduct	-2.05	
For Powder Coating, Add	3.11	
05 53 13 00-0034 SF 1" x 1/8" Aluminum, Pressure Locked Grating.....	21.71	1.13
For Bearing Bars At 15/16" On-Center, Add	5.67	
For Crossbars At 2" On-Center, Add	2.10	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting, Deduct	-2.01	
For Powder Coating, Add	2.91	



<b>Metals</b>	<b>05</b>	<b>05</b>
Metal Fabrications	05 50	
Metal Gratings	05 53	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0035 SF 1" x 3/16" Aluminum, Pressure Locked Grating.....	29.50	1.13
For Bearing Bars At 7/16" On-Center, Add	39.47	
For Bearing Bars At 15/16" On-Center, Add	7.95	
For Crossbars At 2" On-Center, Add	2.94	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting, Deduct	-2.21	
For Powder Coating, Add	4.08	
05 53 13 00-0036 SF 1-1/4" x 1/8" Aluminum, Pressure Locked Grating.....	25.14	1.13
For Bearing Bars At 15/16" On-Center, Add	6.68	
For Crossbars At 2" On-Center, Add	2.47	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting, Deduct	-2.10	
For Powder Coating, Add	3.43	
05 53 13 00-0037 SF 1-1/4" x 3/16" Aluminum, Pressure Locked Grating.....	33.63	1.13
For Bearing Bars At 15/16" On-Center, Add	9.15	
For Crossbars At 2" On-Center, Add	3.39	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting, Deduct	-2.31	
For Powder Coating, Add	4.70	
05 53 13 00-0038 SF 1-1/2" x 1/8" Aluminum, Pressure Locked Grating.....	28.36	1.13
For Bearing Bars At 15/16" On-Center, Add	7.62	
For Crossbars At 2" On-Center, Add	2.82	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting, Deduct	-2.18	
For Powder Coating, Add	3.91	
05 53 13 00-0039 SF 1-1/2" x 3/16" Aluminum, Pressure Locked Grating.....	37.89	1.13
For Bearing Bars At 7/16" On-Center, Add	51.63	
For Bearing Bars At 15/16" On-Center, Add	10.40	
For Crossbars At 2" On-Center, Add	3.85	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting, Deduct	-2.42	
For Powder Coating, Add	5.34	
05 53 13 00-0040 SF 1-3/4" x 3/16" Aluminum, Pressure Locked Grating.....	41.97	1.13
For Bearing Bars At 15/16" On-Center, Add	11.59	
For Crossbars At 2" On-Center, Add	4.29	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting, Deduct	-2.52	
For Powder Coating, Add	5.95	
05 53 13 00-0041 SF 2" x 3/16" Aluminum, Pressure Locked Grating.....	46.80	1.13
For Bearing Bars At 15/16" On-Center, Add	13.00	
For Crossbars At 2" On-Center, Add	4.81	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting, Deduct	-2.64	
For Powder Coating, Add	6.68	
05 53 13 00-0042 SF 2-1/4" x 3/16" Aluminum, Pressure Locked Grating.....	50.59	1.13
For Bearing Bars At 15/16" On-Center, Add	14.11	
For Crossbars At 2" On-Center, Add	5.22	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting, Deduct	-2.74	
For Powder Coating, Add	7.25	
05 53 13 00-0043 SF 2-1/2" x 3/16" Aluminum, Pressure Locked Grating.....	55.11	1.13
For Bearing Bars At 15/16" On-Center, Add	15.43	
For Crossbars At 2" On-Center, Add	5.71	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting, Deduct	-2.85	
For Powder Coating, Add	7.92	
<b>05 53 13 00-0044 Swage Locked Grating</b> <small>(05 53 13)</small>		
Note: Sizes are for height and width of bearing bars. Swage locked grating is an open grid grating where bearing bars are pre-punched to receive a cross bar without penetrating or cutting the top surface of the bearing bar. The cross bar is then inserted through the pre-punched hole and deformed by swaging or squeezing under hydraulic pressure to permanently lock the bars in place.		
<b>05 53 13 00-0045 Steel, Swage Locked Grating</b> <small>(05 53 13 00-0044)</small>		
Note: Bearing bars at 1-3/16" on-center, crossbars at 4" on-center, bolted or tack welded, unpainted steel, and in all sizes.		
05 53 13 00-0046 SF 1" x 3/16" Steel, Swaged Grating.....	42.40	1.13
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	3.69	
For 304 Stainless Steel, Add	66.52	
Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
For Bearing Bars At 15/16" On-Center, Add	25.68	
For Crossbars At 2" On-Center, Add	3.21	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-2.53	
05 53 13 00-0047 SF 1-1/4" x 3/16" Steel, Swaged Grating.....	47.34	1.13
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	4.15	
For 304 Stainless Steel, Add	74.71	
Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
For Bearing Bars At 15/16" On-Center, Add	28.84	
For Crossbars At 2" On-Center, Add	3.60	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-2.65	

05	05	Metals
	05 50	Metal Fabrications
	05 53	Metal Gratings



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0048 SF 1-1/2" x 3/16" Steel, Swaged Grating.....	51.72	1.40
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	4.50	
For 304 Stainless Steel, Add	81.13	
Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
For Bearing Bars At 15/16" On-Center, Add	31.32	
For Crossbars At 2" On-Center, Add	3.91	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-3.09	
05 53 13 00-0049 SF 1-3/4" x 3/16" Steel, Swaged Grating.....	59.31	1.40
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	5.20	
For 304 Stainless Steel, Add	93.71	
Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
For Bearing Bars At 15/16" On-Center, Add	36.17	
For Crossbars At 2" On-Center, Add	4.52	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-3.28	
05 53 13 00-0050 SF 2" x 3/16" Steel, Swaged Grating.....	66.92	1.40
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	5.90	
For 304 Stainless Steel, Add	106.33	
Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
For Bearing Bars At 15/16" On-Center, Add	41.04	
For Crossbars At 2" On-Center, Add	5.13	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-3.47	
05 53 13 00-0051 SF 2-1/4" x 3/16" Steel, Swaged Grating.....	74.51	1.40
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	6.60	
For 304 Stainless Steel, Add	118.91	
Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
For Bearing Bars At 15/16" On-Center, Add	45.90	
For Crossbars At 2" On-Center, Add	5.74	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-3.66	
05 53 13 00-0052 SF 2-1/2" x 3/16" Steel, Swaged Grating.....	82.12	1.40
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	7.30	
For 304 Stainless Steel, Add	131.53	
Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
For Bearing Bars At 15/16" On-Center, Add	50.77	
For Crossbars At 2" On-Center, Add	6.35	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-3.85	
<b>05 53 13 00-0053 Aluminum Grating, Type 6063, Swage Locked</b> <small>(05 53 13 00-0044)</small>		
Note: Bearing bars at 1-3/16" on-center, crossbars at 4" on-center, bolted in place, and in all sizes.		
05 53 13 00-0054 SF 1" x 1/8" Aluminum, Swaged Grating.....	20.05	1.13
For Bearing Bars At 15/16" On-Center, Add	11.37	
For Crossbars At 2" On-Center, Add	1.42	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting, Deduct	-1.97	
For Powder Coating, Add	2.67	
05 53 13 00-0055 SF 1" x 3/16" Aluminum, Swaged Grating.....	26.00	1.13
For Bearing Bars At 15/16" On-Center, Add	15.18	
For Crossbars At 2" On-Center, Add	1.90	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting, Deduct	-2.12	
For Powder Coating, Add	3.56	
05 53 13 00-0056 SF 1-1/4" x 1/8" Aluminum, Swaged Grating.....	22.72	1.13
For Bearing Bars At 15/16" On-Center, Add	13.08	
For Crossbars At 2" On-Center, Add	1.64	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting, Deduct	-2.04	
For Powder Coating, Add	3.07	
05 53 13 00-0057 SF 1-1/4" x 3/16" Aluminum, Swaged Grating.....	30.00	1.13
For Bearing Bars At 15/16" On-Center, Add	17.74	
For Crossbars At 2" On-Center, Add	2.22	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting, Deduct	-2.22	
For Powder Coating, Add	4.16	
05 53 13 00-0058 SF 1-1/2" x 1/8" Aluminum, Swaged Grating.....	25.89	1.13
For Bearing Bars At 15/16" On-Center, Add	15.11	
For Crossbars At 2" On-Center, Add	1.89	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting, Deduct	-2.12	
For Powder Coating, Add	3.54	
05 53 13 00-0059 SF 1-1/2" x 3/16" Aluminum, Swaged Grating.....	34.28	1.13
For Bearing Bars At 15/16" On-Center, Add	20.48	
For Crossbars At 2" On-Center, Add	2.56	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting, Deduct	-2.33	
For Powder Coating, Add	4.80	



	<b>Metals</b>	<b>05</b>
	Metal Fabrications	05 50
	Metal Gratings	05 53

05

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0060	SF		1-3/4" x 3/16" Aluminum, Swaged Grating..... <i>For Bearing Bars At 15/16" On-Center, Add</i> <i>For Crossbars At 2" On-Center, Add</i> <i>For Serrated Wear Surface, Add</i> <i>For Set In Place Without Bolting, Deduct</i> <i>For Powder Coating, Add</i>	39.22 23.64 2.96 0.16 -2.45 5.54	1.13
05 53 13 00-0061	SF		2" x 3/16" Aluminum, Swaged Grating..... <i>For Bearing Bars At 15/16" On-Center, Add</i> <i>For Crossbars At 2" On-Center, Add</i> <i>For Serrated Wear Surface, Add</i> <i>For Set In Place Without Bolting, Deduct</i> <i>For Powder Coating, Add</i>	44.13 26.78 3.35 0.16 -2.57 6.28	1.13
05 53 13 00-0062	SF		2-1/4" x 3/16" Aluminum, Swaged Grating..... <i>For Bearing Bars At 15/16" On-Center, Add</i> <i>For Crossbars At 2" On-Center, Add</i> <i>For Serrated Wear Surface, Add</i> <i>For Set In Place Without Bolting, Deduct</i> <i>For Powder Coating, Add</i>	49.06 29.94 3.74 0.16 -2.70 7.02	1.13
05 53 13 00-0063	SF		2-1/2" x 3/16" Aluminum, Swaged Grating..... <i>For Bearing Bars At 15/16" On-Center, Add</i> <i>For Crossbars At 2" On-Center, Add</i> <i>For Serrated Wear Surface, Add</i> <i>For Set In Place Without Bolting, Deduct</i> <i>For Powder Coating, Add</i>	53.97 33.08 4.14 0.16 -2.82 7.75	1.13
05 53 13 00-0064			<b>Riveted Grating</b> <small>(05 53 13)</small> Note: Riveted grating is an open grid grating where bearing bars are pre-punched to receive a solid round rivet. Crimp/lacing bars are pre-punched as well and then formed into a reticulated shape. Bearing bars and crimp bars are then assembled and clamped in place by rivets which are cold driven under hydraulic pressure to permanently lock the assembly together.		
05 53 13 00-0065			<b>Steel, Riveted Grating</b> <small>(05 53 13 00-0064)</small> Note: 1" clear opening, bolted or tack welded in place, unpainted steel, all sizes.		
05 53 13 00-0066	SF		3/4" x 1/8", 7.0 LB/SF, Steel, Riveted Grating..... <i>For One Coat Of Shop Applied Paint (Red Or Black), Add</i> <i>For Galvanized Steel, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 5/8" Clear Opening, Add</i> <i>For Set In Place Without Bolting Or Tack Welding, Deduct</i>	80.74 0.22 3.77 67.40 27.07 -3.49	1.13
05 53 13 00-0067	SF		3/4" x 3/16", 8.5 LB/SF, Steel, Riveted Grating..... <i>For One Coat Of Shop Applied Paint (Red Or Black), Add</i> <i>For Galvanized Steel, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 5/8" Clear Opening, Add</i> <i>For Set In Place Without Bolting Or Tack Welding, Deduct</i>	95.11 0.22 4.46 79.74 32.03 -3.85	1.13
05 53 13 00-0068	SF		1" x 1/8", 8.0 LB/SF, Steel, Riveted Grating..... <i>For One Coat Of Shop Applied Paint (Red Or Black), Add</i> <i>For Galvanized Steel, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 5/8" Clear Opening, Add</i> <i>For Serrated Wear Surface, Add</i> <i>For Set In Place Without Bolting Or Tack Welding, Deduct</i>	87.36 0.22 4.08 73.08 29.35 0.16 -3.65	1.13
05 53 13 00-0069	SF		1" x 3/16", 9.5 LB/SF, Steel, Riveted Grating..... <i>For One Coat Of Shop Applied Paint (Red Or Black), Add</i> <i>For Galvanized Steel, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 5/8" Clear Opening, Add</i> <i>For Serrated Wear Surface, Add</i> <i>For Set In Place Without Bolting Or Tack Welding, Deduct</i>	100.58 0.22 4.72 84.44 33.91 0.16 -3.99	1.13
05 53 13 00-0070	SF		1-1/4" x 1/8", 9.0 LB/SF, Steel, Riveted Grating..... <i>For One Coat Of Shop Applied Paint (Red Or Black), Add</i> <i>For Galvanized Steel, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 5/8" Clear Opening, Add</i> <i>For Serrated Wear Surface, Add</i> <i>For Set In Place Without Bolting Or Tack Welding, Deduct</i>	92.83 0.22 4.35 77.78 31.24 0.16 -3.79	1.13
05 53 13 00-0071	SF		1-1/4" x 3/16", 11.1 LB/SF, Steel, Riveted Grating..... <i>For One Coat Of Shop Applied Paint (Red Or Black), Add</i> <i>For Galvanized Steel, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 5/8" Clear Opening, Add</i> <i>For Serrated Wear Surface, Add</i> <i>For Set In Place Without Bolting Or Tack Welding, Deduct</i>	110.77 0.22 5.21 93.19 37.43 0.16 -4.24	1.13
05 53 13 00-0072	SF		1-1/2" x 1/8", 10.1 LB/SF, Steel, Riveted Grating..... <i>For One Coat Of Shop Applied Paint (Red Or Black), Add</i> <i>For Galvanized Steel, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 5/8" Clear Opening, Add</i> <i>For Serrated Wear Surface, Add</i> <i>For Set In Place Without Bolting Or Tack Welding, Deduct</i>	98.62 0.22 4.60 82.32 33.06 0.16 -4.27	1.40



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0073 SF 1-1/2" x 3/16", 12.5 LB/SF, Steel, Riveted Grating .....	117.80	1.40
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	5.52	
For 304 Stainless Steel, Add	98.79	
For 5/8" Clear Opening, Add	39.68	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-4.74	
05 53 13 00-0074 SF 1-3/4" x 3/16", 14.0 LB/SF, Steel, Riveted Grating .....	127.58	1.40
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	5.99	
For 304 Stainless Steel, Add	107.19	
For 5/8" Clear Opening, Add	43.05	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-4.99	
05 53 13 00-0075 SF 2" x 3/16", 17.0 LB/SF, Steel, Riveted Grating .....	149.43	1.40
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	7.04	
For 304 Stainless Steel, Add	125.96	
For 5/8" Clear Opening, Add	50.59	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-5.54	
05 53 13 00-0076 SF 2-1/4" x 3/16", 18.5 LB/SF, Steel, Riveted Grating .....	157.04	1.40
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	7.40	
For 304 Stainless Steel, Add	132.50	
For 5/8" Clear Opening, Add	53.22	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-5.73	
05 53 13 00-0077 SF 2-1/2" x 3/16", 20.0 LB/SF, Steel, Riveted Grating .....	163.82	1.40
For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
For Galvanized Steel, Add	7.73	
For 304 Stainless Steel, Add	138.32	
For 5/8" Clear Opening, Add	55.56	
For Serrated Wear Surface, Add	0.16	
For Set In Place Without Bolting Or Tack Welding, Deduct	-5.90	
<b>05 53 13 00-0078 Aluminum, Riveted Grating</b> <small>(05 53 13 00-0064)</small>		
Note: 1" clear opening, bolted in place and in all sizes.		
05 53 13 00-0079 SF 3/4" x 1/8", 2.4 LB/SF, Aluminum, Riveted Grating .....	42.85	1.13
For 5/8" Clear Opening, Add	14.00	
For Powder Coating, Add	6.09	
For Set In Place Without Bolting, Deduct	-2.54	
05 53 13 00-0080 SF 3/4" x 3/16", 2.9 LB/SF, Aluminum, Riveted Grating .....	50.88	1.13
For 5/8" Clear Opening, Add	16.77	
For Powder Coating, Add	7.29	
For Set In Place Without Bolting, Deduct	-2.74	
05 53 13 00-0081 SF 1" x 1/8", 2.7 LB/SF, Aluminum, Riveted Grating .....	47.14	1.13
For 5/8" Clear Opening, Add	15.48	
For Serrated Wear Surface, Add	0.16	
For Powder Coating, Add	6.73	
For Set In Place Without Bolting, Deduct	-2.65	
05 53 13 00-0082 SF 1" x 3/16", 3.2 LB/SF, Aluminum, Riveted Grating .....	54.98	1.13
For 5/8" Clear Opening, Add	18.18	
For Serrated Wear Surface, Add	0.16	
For Powder Coating, Add	7.91	
For Set In Place Without Bolting, Deduct	-2.85	
05 53 13 00-0083 SF 1-1/4" x 1/8", 3.1 LB/SF, Aluminum, Riveted Grating .....	52.88	1.13
For 5/8" Clear Opening, Add	17.46	
For Serrated Wear Surface, Add	0.16	
For Powder Coating, Add	7.59	
For Set In Place Without Bolting, Deduct	-2.79	
05 53 13 00-0084 SF 1-1/4" x 3/16", 3.8 LB/SF, Aluminum, Riveted Grating .....	63.76	1.13
For 5/8" Clear Opening, Add	21.21	
For Serrated Wear Surface, Add	0.16	
For Powder Coating, Add	9.22	
For Set In Place Without Bolting, Deduct	-3.06	
05 53 13 00-0085 SF 1-1/2" x 1/8", 3.4 LB/SF, Aluminum, Riveted Grating .....	56.80	1.13
For 5/8" Clear Opening, Add	18.81	
For Serrated Wear Surface, Add	0.16	
For Powder Coating, Add	8.18	
For Set In Place Without Bolting, Deduct	-2.89	
05 53 13 00-0086 SF 1-1/2" x 3/16", 4.3 LB/SF, Aluminum, Riveted Grating .....	70.62	1.13
For 5/8" Clear Opening, Add	23.58	
For Serrated Wear Surface, Add	0.16	
For Powder Coating, Add	10.25	
For Set In Place Without Bolting, Deduct	-3.24	
05 53 13 00-0087 SF 1-3/4" x 3/16", 4.8 LB/SF, Aluminum, Riveted Grating .....	77.87	1.13
For 5/8" Clear Opening, Add	26.08	
For Serrated Wear Surface, Add	0.16	
For Powder Coating, Add	11.34	
For Set In Place Without Bolting, Deduct	-3.42	



<b>Metals</b>	<b>05</b>	<b>05</b>
Metal Fabrications	05 50	
Metal Gratings	05 53	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0088 SF 2" x 3/16", 5.8 LB/SF, Aluminum, Riveted Grating.....	92.75	1.13
For 5/8" Clear Opening, Add	31.21	
For Serrated Wear Surface, Add	0.16	
For Powder Coating, Add	13.57	
For Set In Place Without Bolting, Deduct	-3.79	
05 53 13 00-0089 SF 2-1/4" x 3/16", 6.4 LB/SF, Aluminum, Riveted Grating.....	101.20	1.13
For 5/8" Clear Opening, Add	34.13	
For Serrated Wear Surface, Add	0.16	
For Powder Coating, Add	14.64	
For Set In Place Without Bolting, Deduct	-4.00	
05 53 13 00-0090 SF 2-1/2" x 3/16", 7.2 LB/SF, Aluminum, Riveted Grating.....	112.52	1.13
For 5/8" Clear Opening, Add	38.03	
For Serrated Wear Surface, Add	0.16	
For Powder Coating, Add	16.54	
For Set In Place Without Bolting, Deduct	-4.28	
<b>05 53 16 Plank Gratings (05 53)</b>		
<b>05 53 16 00-0001 Grate-Lock Steel Plank Grating (05 53 16)</b>		
Note: Smooth or traction grip surface.		
05 53 16 00-0002 SF 1-1/2" Height, 18 Gauge Steel Grate-Lock Plank Grating.....	17.53	0.88
For Stair Tread Application, Add	2.02	
05 53 16 00-0003 SF 2-1/2" Height, 18 Gauge Steel Grate-Lock Plank Grating.....	18.70	1.08
For Stair Tread Application, Add	2.20	
05 53 16 00-0004 SF 3" Height, 18 Gauge Steel Grate-Lock Plank Grating.....	19.71	1.19
For Stair Tread Application, Add	2.33	
05 53 16 00-0005 SF 4" Height, 18 Gauge Steel Grate-Lock Plank Grating.....	21.53	1.30
For Stair Tread Application, Add	2.54	
05 53 16 00-0006 SF 1-1/2" Height, 16 Gauge Steel Grate-Lock Plank Grating.....	21.36	0.98
For Stair Tread Application, Add	2.43	
05 53 16 00-0007 SF 2-1/2" Height, 16 Gauge Steel Grate-Lock Plank Grating.....	22.71	1.19
For Stair Tread Application, Add	2.63	
05 53 16 00-0008 SF 1-1/2" Height, 14 Gauge Steel Grate-Lock Plank Grating.....	26.22	1.13
For Stair Tread Application, Add	2.96	
05 53 16 00-0009 SF 2-1/2" Height, 14 Gauge Steel Grate-Lock Plank Grating.....	27.90	1.40
For Stair Tread Application, Add	3.21	
05 53 16 00-0010 SF 3" Height, 14 Gauge Steel Grate-Lock Plank Grating.....	29.82	1.76
For Stair Tread Application, Add	3.51	
05 53 16 00-0011 SF 4" Height, 14 Gauge Steel Grate-Lock Plank Grating.....	32.93	1.97
For Stair Tread Application, Add	3.88	
<b>05 54 Metal Floor Plates (05 50)</b>		
<b>05 54 00 00-0001 Steel Floor Plates (05 54)</b>		
05 54 00 00-0002 SF 16 Gauge Steel Raised Or Diamond Pattern Floor Plates.....	20.71	1.35
05 54 00 00-0003 SF 14 Gauge Steel Raised Or Diamond Pattern Floor Plates.....	23.76	1.35
05 54 00 00-0004 SF 12 Gauge Steel Raised Or Diamond Pattern Floor Plates.....	29.92	1.35
05 54 00 00-0005 SF 1/8" Steel Raised Or Diamond Pattern Floor Plates.....	40.10	1.45
05 54 00 00-0006 SF 1/4" Steel Raised Or Diamond Pattern Floor Plates.....	51.14	1.56
<b>05 54 00 00-0007 Aluminum Alloy Floor Plates (05 54)</b>		
05 54 00 00-0008 SF 0.125" Aluminum Alloy Raised Or Diamond Pattern Floor Plate.....	29.86	1.13
For Powder Coating, Add	4.14	
05 54 00 00-0009 SF 0.188" Aluminum Alloy Raised Or Diamond Pattern Floor Plate.....	34.26	1.35
For Powder Coating, Add	4.75	
05 54 00 00-0010 SF 0.25" Aluminum Alloy Raised Or Diamond Pattern Floor Plate.....	38.67	1.45
For Powder Coating, Add	5.37	
<b>05 54 00 00-0011 Type 304 Stainless Steel Floor Plates (05 54)</b>		
05 54 00 00-0012 SF 1/8" Type 304 Stainless Steel Raised Or Diamond Pattern Floor Plate.....	39.07	1.56
05 54 00 00-0013 SF 3/16" Type 304 Stainless Steel Raised Or Diamond Pattern Floor Plate.....	46.72	1.76
05 54 00 00-0014 SF 1/4" Type 304 Stainless Raised Or Diamond Pattern Steel Floor Plate.....	60.56	2.07
<b>05 55 Metal Stair Treads and Nosings (05 50)</b>		
<b>05 55 13 Metal Stair Treads (05 55)</b>		
<b>05 55 13 00-0001 Abrasive Cast Aluminum Stair Treads (05 55 13)</b>		
Note: Includes abrasive diamond pattern surface and anchors. Excludes stringers.		
05 55 13 00-0002 LF 8" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Stair Tread.....	71.31	6.38
For 3/8" Thick, Add	15.28	
05 55 13 00-0003 LF 9" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Stair Tread.....	78.64	6.38
For 3/8" Thick, Add	17.11	
05 55 13 00-0004 LF 10" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Stair Tread.....	85.95	6.38
For 3/8" Thick, Add	18.94	
05 55 13 00-0005 LF 11" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Stair Tread.....	93.31	6.38
For 3/8" Thick, Add	20.78	

05	<b>05 Metals</b>
	<b>05 50 Metal Fabrications</b>
	<b>05 55 Metal Stair Treads and Nosings</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 55 13 00-0006 LF 12" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Stair Tread ..... <i>For 3/8" Thick, Add</i>	100.59 22.60	6.38
<b>05 55 13 00-0007 Abrasive Cast Iron Stair Treads</b> <small>(05 55 13)</small> Note: Includes abrasive diamond pattern surface and anchors. Excludes stringers.		
05 55 13 00-0008 LF 8" Depth, 3/8" Thick, 1/4" Lip, Abrasive Cast Iron Stair Tread .....	99.74	6.38
05 55 13 00-0009 LF 9" Depth, 3/8" Thick, 1/4" Lip, Abrasive Cast Iron Stair Tread .....	110.60	6.38
05 55 13 00-0010 LF 10" Depth, 3/8" Thick, 1/4" Lip, Abrasive Cast Iron Stair Tread .....	121.48	6.38
05 55 13 00-0011 LF 11" Depth, 3/8" Thick, 1/4" Lip, Abrasive Cast Iron Stair Tread .....	132.35	6.38
05 55 13 00-0012 LF 12" Depth, 3/8" Thick, 1/4" Lip, Abrasive Cast Iron Stair Tread .....	143.23	6.38
<b>05 55 13 00-0013 Aluminum/Ceramic Grit Coating, Extruded Aluminum Safety Stair Treads</b> <small>(05 55 13)</small> Note: Includes extruded aluminum base with diamond hard aluminum oxide abrasive filler/surface. Includes anchors. Excludes stringers.		
05 55 13 00-0014 LF 6-1/2" Depth, 5/32" Thick, 1-1/16" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Safety Stair Tread .....	37.02	6.38
05 55 13 00-0015 LF 9" Depth, 5/32" Thick, 1-1/16" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Safety Stair Tread .....	43.66	6.38
05 55 13 00-0016 LF 11" Depth, 5/32" Thick, 1-1/16" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Safety Stair Tread .....	46.59	6.38
<b>05 55 13 00-0017 Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Treads</b> <small>(05 55 13)</small> Note: Includes extruded aluminum base with diamond hard aluminum oxide abrasive filler/surface. Includes anchors. Excludes stringers.		
05 55 13 00-0018 LF 8" Depth, 9/32" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Tread .....	55.35	6.38
<i>For Epoxy Sealed For Corrosive Environment, Add</i>	4.61	
<i>For Two Color Tread, Add</i>	3.46	
05 55 13 00-0019 LF 9" Depth, 9/32" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Tread .....	55.90	6.38
<i>For Epoxy Sealed For Corrosive Environment, Add</i>	4.61	
<i>For Two Color Tread, Add</i>	3.46	
05 55 13 00-0020 LF 11" Depth, 9/32" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Tread .....	67.85	6.38
<i>For Epoxy Sealed For Corrosive Environment, Add</i>	4.61	
<i>For Two Color Tread, Add</i>	3.46	
05 55 13 00-0021 LF 12" Depth, 9/32" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Tread .....	78.32	6.38
<i>For Epoxy Sealed For Corrosive Environment, Add</i>	4.61	
<i>For Two Color Tread, Add</i>	3.46	
05 55 13 00-0022 LF 15" Depth, 9/32" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Tread .....	91.97	6.38
<i>For Epoxy Sealed For Corrosive Environment, Add</i>	4.61	
<i>For Two Color Tread, Add</i>	3.46	
<b>05 55 13 00-0023 Stair Landing Treads</b> <small>(05 55 13)</small>		
<b>05 55 13 00-0024 Abrasive Cast Aluminum Stair Landing Treads</b> <small>(05 55 13 00-0023)</small> Note: Includes abrasive diamond pattern surface and anchors.		
05 55 13 00-0025 SF 5/16" Thick, Abrasive Cast Aluminum Landing Treads .....	100.59	6.38
<i>For 3/8" Thick, Add</i>	22.60	
<b>05 55 13 00-0026 Abrasive Cast Iron Stair Landing Treads</b> <small>(05 55 13 00-0023)</small> Note: Includes abrasive diamond pattern surface and anchors.		
05 55 13 00-0027 SF 3/8" Thick, Abrasive Cast Iron Landing Treads .....	143.23	6.38
<b>05 55 13 00-0028 Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Landing Treads</b> <small>(05 55 13 00-0023)</small> Note: Includes extruded aluminum base with diamond hard aluminum oxide abrasive filler/surface. Includes anchors.		
05 55 13 00-0029 SF 9/32" Thick, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Landing Treads .....	93.17	6.38
<i>For Epoxy Sealed For Corrosive Environment, Add</i>	4.61	
<b>05 55 13 00-0030 Open Cast Iron Stair Tread</b> <small>(05 55 13)</small> Note: Includes steel stringers, safety nosing and 2 pipe handrail. Excludes landings.		
05 55 13 00-0031 RSR 3'-6" Wide, Open Cast Iron Stair Tread .....	726.75	41.38
<i>For Closed Riser, Add</i>	62.34	
05 55 13 00-0032 RSR 4'-0" Wide, Open Cast Iron Stair Tread .....	813.69	47.59
<i>For Closed Riser, Add</i>	69.65	
05 55 13 00-0033 RSR 5'-0" Wide, Open Cast Iron Stair Tread .....	895.56	55.87
<i>For Closed Riser, Add</i>	76.57	
<b>05 55 16 Metal Stair Nosings</b> <small>(05 55)</small>		
<b>05 55 16 00-0001 Abrasive Cast Aluminum Nosings</b> <small>(05 55 16)</small> Note: Includes abrasive diamond pattern surface and anchors.		
05 55 16 00-0002 LF 3" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Nosing .....	29.77	4.35
<i>For 3/8" Thick, Add</i>	5.70	
05 55 16 00-0003 LF 4" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Nosing .....	36.85	4.35
<i>For 3/8" Thick, Add</i>	7.47	





<b>Metals</b>	<b>05</b>	<b>05</b>
<b>Metal Fabrications</b>	<b>05 50</b>	
<b>Metal Stair Treads and Nosings</b>	<b>05 55</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 55 16 00-0004 LF 6" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Nosing <i>For 3/8" Thick, Add</i>	52.62 11.42	4.35
<b>05 55 16 00-0005 Abrasive Cast Iron Nosings</b> (05 55 16) Note: Includes abrasive diamond pattern surface and anchors.		
05 55 16 00-0006 LF 3" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Iron Nosing <i>For 3/8" Thick, Add</i>	34.93 6.99	4.35
05 55 16 00-0007 LF 4" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Iron Nosing <i>For 3/8" Thick, Add</i>	43.65 9.17	4.35
05 55 16 00-0008 LF 6" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Iron Nosing <i>For 3/8" Thick, Add</i>	60.87 13.48	4.35
<b>05 55 16 00-0009 Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosings</b> (05 55 16) Note: Includes extruded aluminum base with diamond hard aluminum oxide abrasive filler/surface. Includes anchors.		
05 55 16 00-0010 LF 1-7/8" Depth, 1/4" Thick, 1/4" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing	24.97	4.35
05 55 16 00-0011 LF 3" Depth, 1/4" Thick, 1/4" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing	28.38	4.35
05 55 16 00-0012 LF 4" Depth, 1/4" Thick, 1/4" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing	30.99	4.35
05 55 16 00-0013 LF 6" Depth, 1/4" Thick, 1/4" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing	39.08	4.35
05 55 16 00-0014 LF 1-7/8" Depth, 1/4" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing	25.89	4.35
05 55 16 00-0015 LF 3" Depth, 1/4" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing	28.80	4.35
05 55 16 00-0016 LF 4" Depth, 1/4" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing	31.68	4.35
05 55 16 00-0017 LF 3" Depth, 1/4" Thick, 1-3/4" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing	29.93	4.35
<b>05 56 Metal Castings</b> (05 50)		
<b>05 56 00 00-0001 Castings</b> (05 56)		
05 56 00 00-0002 LB Up To 150 LB, Miscellaneous Castings, Light Section	5.67	0.52
05 56 00 00-0003 LB >150 LB, Miscellaneous Castings, Heavy Section	9.83	0.41
<b>05 58 Formed Metal Fabrications</b> (05 50)		
<b>05 58 16 Formed Metal Enclosures</b> (05 58)		
<b>05 58 16 00-0001 Drip Pan</b> (05 58 16)		
05 58 16 00-0002 SF Stainless Steel Drip Pan	110.63	5.47
05 58 16 00-0003 SF Galvanized Steel Drip Pan	109.25	5.47
05 58 16 00-0004 SF Aluminum Drip Pan	76.42	4.38
05 58 16 00-0005 SF Plastic Drip Pan	18.48	3.83
<b>05 58 23 Formed Metal Guards</b> (05 58)		
<b>05 58 23 00-0001 Protective Guard Rails</b> (05 58 23) Note: Includes painted finish.		
<b>05 58 23 00-0002 2-Rib, 11 Gauge Steel, Protective Guard Rails</b> (05 58 23 00-0001) Note: Steel King Armor Guard.		
<b>05 58 23 00-0003 Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rails</b> (05 58 23 00-0002) Note: Excludes posts. Includes fasteners.		
05 58 23 00-0004 EA 1' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail	205.74	20.89
05 58 23 00-0005 EA 2' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail	242.40	20.89
05 58 23 00-0006 EA 3' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail	276.98	20.89
05 58 23 00-0007 EA 4' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail	313.65	20.89
05 58 23 00-0008 EA 5' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail	348.43	20.89
05 58 23 00-0009 EA 6' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail	393.51	20.89
05 58 23 00-0010 EA 7' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail	424.23	20.89
05 58 23 00-0011 EA 8' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail	471.79	20.89
05 58 23 00-0012 EA 9' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail	503.00	20.89
05 58 23 00-0013 EA 10' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail	525.30	20.89
<b>05 58 23 00-0014 Posts For 2-Rib Guard Rails</b> (05 58 23 00-0002) Note: Includes drilling, surface mounting plate and anchors.		
05 58 23 00-0015 EA 12" Height, Single Rail Post For 2-Rib Guard Rails	412.03	43.51
05 58 23 00-0016 EA 42" Height, Triple Rail Post For 2-Rib Guard Rails	539.36	43.51
<b>05 58 23 00-0017 3-Rib, 11 Gauge Steel, Protective Guard Rails</b> (05 58 23 00-0001) Note: Steel King Steel Guard.		
<b>05 58 23 00-0018 Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rails</b> (05 58 23 00-0017) Note: Excludes posts. Includes fasteners.		
05 58 23 00-0019 EA 1' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	227.83	20.89
05 58 23 00-0020 EA 2' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	252.21	20.89
05 58 23 00-0021 EA 3' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	282.63	20.89
05 58 23 00-0022 EA 4' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	311.07	20.89
05 58 23 00-0023 EA 5' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	343.97	20.89

**05 Metals****05 50 Metal Fabrications****05 58 Formed Metal Fabrications**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
05 58 23 00-0024	EA	6' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail .....		359.82	20.89
05 58 23 00-0025	EA	7' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail .....		397.97	20.89
05 58 23 00-0026	EA	8' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail .....		430.17	20.89
05 58 23 00-0027	EA	9' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail .....		464.36	20.89
05 58 23 00-0028	EA	10' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail .....		499.04	20.89
<b>05 58 23 00-0029</b>		<b>Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rails (05 58 23 00-0017)</b>			
Note: Excludes posts. Includes fasteners and lift-out mounting plate.					
05 58 23 00-0030	EA	1' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail.....		337.53	20.89
05 58 23 00-0031	EA	2' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail.....		364.28	20.89
05 58 23 00-0032	EA	3' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail.....		392.02	20.89
05 58 23 00-0033	EA	4' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail.....		424.23	20.89
05 58 23 00-0034	EA	5' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail.....		456.43	20.89
05 58 23 00-0035	EA	6' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail.....		482.69	20.89
05 58 23 00-0036	EA	7' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail.....		512.91	20.89
05 58 23 00-0037	EA	8' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail.....		547.10	20.89
05 58 23 00-0038	EA	9' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail.....		583.76	20.89
05 58 23 00-0039	EA	10' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail.....		615.97	20.89
<b>05 58 23 00-0040</b>		<b>Posts For 3-Rib Guard Rails (05 58 23 00-0017)</b>			
Note: Includes drilling, surface mounting plate and anchors.					
05 58 23 00-0041	EA	18" Height, Single Rail Post For 3-Rib Guard Rails .....		361.30	43.51
05 58 23 00-0042	EA	42" Height, Double Rail Post For 3-Rib Guard Rails.....		464.55	43.51
<b>05 58 23 00-0043</b>		<b>All-Welded, Protective Guards (05 58 23)</b>			
Note: Surface mounted inverted-U style protective barriers. Includes painted finish, drilling, surface mounting plate and anchors.					
<b>05 58 23 00-0044</b>		<b>All-Welded, Protective Guards (05 58 23 00-0043)</b>			
05 58 23 00-0045	EA	36" Length, 9" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard.....		471.26	58.01
05 58 23 00-0046	EA	48" Length, 9" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard.....		496.04	58.01
05 58 23 00-0047	EA	36" Length, 16" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard.....		510.40	58.01
05 58 23 00-0048	EA	48" Length, 16" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard.....		531.71	58.01
05 58 23 00-0049	EA	36" Length, 24" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard.....		526.75	58.01
05 58 23 00-0050	EA	48" Length, 24" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard.....		553.01	58.01
05 58 23 00-0051	EA	36" Length, 36" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard.....		560.44	58.01
05 58 23 00-0052	EA	48" Length, 36" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard.....		568.87	58.01
05 58 23 00-0053	EA	48" Length, 42" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard.....		609.00	58.01
<b>05 58 23 00-0054</b>		<b>Corner Style, All-Welded, Protective Guards (05 58 23 00-0043)</b>			
05 58 23 00-0055	EA	24" Length, 24" Height, 4-1/2" Diameter Steel Pipe, Corner Style, All-Welded, Protective Guard.....		624.85	58.01
05 58 23 00-0056	EA	30" Length, 24" Height, 4-1/2" Diameter Steel Pipe, Corner Style, All-Welded, Protective Guard.....		654.58	58.01
05 58 23 00-0057	EA	24" Length, 36" Height, 4-1/2" Diameter Steel Pipe, Corner Style, All-Welded, Protective Guard.....		666.96	58.01
05 58 23 00-0058	EA	30" Length, 36" Height, 4-1/2" Diameter Steel Pipe, Corner Style, All-Welded, Protective Guard.....		727.90	58.01
<b>05 58 23 00-0059</b>		<b>Warehouse Safety Bollards (05 58 23)</b>			
Note: Includes painted finish, drilling, surface mounting plate and anchors.					
05 58 23 00-0060	EA	24" Height, 4-1/2" Diameter Steel Pipe, Bolt Down, Warehouse Safety Bollard .....		295.91	43.51
05 58 23 00-0061	EA	36" Height, 4-1/2" Diameter Steel Pipe, Bolt Down, Warehouse Safety Bollard .....		344.86	43.51
05 58 23 00-0062	EA	42" Height, 4-1/2" Diameter Steel Pipe, Bolt Down, Warehouse Safety Bollard .....		396.68	43.51
05 58 23 00-0063	EA	36" Height, 5-1/2" Diameter Steel Pipe, Bolt Down, Warehouse Safety Bollard .....		410.85	43.51
05 58 23 00-0064	EA	42" Height, 5-1/2" Diameter Steel Pipe, Bolt Down, Warehouse Safety Bollard .....		443.55	43.51
<b>05 59 Metal Specialties (05 50)</b>					
<b>05 59 65 Metal Chain (05 59)</b>					
<b>05 59 65 00-0001</b>		<b>Alloy Steel Chain, Self Colored, Cut Length (05 59 65)</b>			
Note: Includes all connecting links, double clevis mid-Links, slip or grab hooks, or shackles as required.					
05 59 65 00-0002	LF	3/16" Diameter Alloy Steel Chain, Cut Length, Self Colored.....		6.54	1.00
		<i>For Plastic Dipped, Add</i>		0.68	
05 59 65 00-0003	LF	1/4" Diameter Alloy Steel Chain, Cut Length, Self Colored.....		7.84	1.33
		<i>For Plastic Dipped, Add</i>		0.78	
05 59 65 00-0004	LF	3/8" Diameter Alloy Steel Chain, Cut Length, Self Colored.....		12.29	2.66
		<i>For Plastic Dipped, Add</i>		1.05	
05 59 65 00-0005	LF	1/2" Diameter Alloy Steel Chain, Cut Length, Self Colored.....		19.69	4.49
		<i>For Plastic Dipped, Add</i>		1.61	
05 59 65 00-0006	LF	5/8" Diameter Alloy Steel Chain, Cut Length, Self Colored.....		33.24	7.58
		<i>For Plastic Dipped, Add</i>		2.71	
05 59 65 00-0007	LF	3/4" Diameter Alloy Steel Chain, Cut Length, Self Colored.....		46.65	10.64
		<i>For Plastic Dipped, Add</i>		3.81	
05 59 65 00-0008	LF	7/8" Diameter Alloy Steel Chain, Cut Length, Self Colored.....		63.80	13.30
		<i>For Plastic Dipped, Add</i>		5.58	
05 59 65 00-0009	LF	1" Diameter Alloy Steel Chain, Cut Length, Self Colored.....		92.51	17.73
		<i>For Plastic Dipped, Add</i>		8.56	



<b>Metals</b>	<b>05</b>	<b>05</b>
Metal Fabrications	05 50	
Metal Specialties	05 59	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 59 65 00-0010 LF 1-1/4" Diameter Alloy Steel Chain, Cut Length, Self Colored ..... <i>For Plastic Dipped, Add</i>	150.81 <i>14.64</i>	26.60
<b>05 59 65 00-0011 316L Stainless Steel Chain, Cut Length</b> <small>(05 59 65)</small>		
05 59 65 00-0012 CLF 1/8" Diameter 316L Stainless Steel Chain, Cut Length.....	2,676.55	88.63
05 59 65 00-0013 CLF 3/16" Diameter 316L Stainless Steel Chain, Cut Length.....	3,294.10	106.39
05 59 65 00-0014 CLF 9/32" Diameter 316L Stainless Steel Chain, Cut Length.....	4,129.30	132.99
05 59 65 00-0015 CLF 5/16" Diameter 316L Stainless Steel Chain, Cut Length.....	5,578.84	177.36
05 59 65 00-0016 CLF 3/8" Diameter 316L Stainless Steel Chain, Cut Length.....	6,336.62	265.99
05 59 65 00-0017 CLF 1/2" Diameter 316L Stainless Steel Chain, Cut Length.....	9,556.51	443.35

**END OF SECTION 05**

05	<b>05</b>	<b>Metals</b>
	05 50	Metal Fabrications
	05 59	Metal Specialties



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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## 09 Finishes

### 09 01 Maintenance of Finishes (09)

#### 09 01 90 Maintenance of Painting and Coating (09 01)

##### 09 01 90 52 Maintenance Repainting (09 01 90)

09 01 90 52-0001

Cleaning And Preparation Of Painted And Unpainted Surfaces (09 01 90 52)

Note: In excess of surface preparation required. Water blast and pressure washing includes mild detergent and rinsing of surface until detergent free. Media blast and water blast includes canvas/plastic for protection of existing surfaces as well as for containment and collection.

09 01 90 52-0002

Concrete And Masonry Surfaces, Surface Preparation (09 01 90 52-0001)

09 01 90 52-0003	SF Trisodium Phosphate (TSP), Clean Concrete Or Masonry Surfaces, Surface Preparation .....	0.40	
	For Up To 100, Add	0.29	
	For >100 To 250, Add	0.13	
	For >250 To 500, Add	0.06	
	For >5,000 To 10,000, Deduct	-0.02	
	For >10,000 To 15,000, Deduct	-0.04	
	For >15,000 To 30,000, Deduct	-0.06	
	For >30,000, Deduct	-0.08	
09 01 90 52-0004	SF Calcimine Removal/Washing, Concrete And Masonry Surfaces, Surface Preparation.....	0.43	
	For Up To 100, Add	0.71	
	For >100 To 250, Add	0.19	
	For >250 To 500, Add	0.09	
	For >5,000 To 10,000, Deduct	-0.02	
	For >10,000 To 15,000, Deduct	-0.04	
	For >15,000 To 30,000, Deduct	-0.06	
	For >30,000, Deduct	-0.08	
09 01 90 52-0005	SF Chemical Clean, Brush And Wash, Concrete And Masonry Surfaces, Surface Preparation .....	0.68	
	For Up To 100, Add	1.11	
	For >100 To 250, Add	0.30	
	For >250 To 500, Add	0.14	
	For >5,000 To 10,000, Deduct	-0.03	
	For >10,000 To 15,000, Deduct	-0.06	
	For >15,000 To 30,000, Deduct	-0.10	
	For >30,000, Deduct	-0.13	
09 01 90 52-0006	SF Hand Scrape, Concrete And Masonry Surfaces, Surface Preparation .....	0.53	
	For Up To 100, Add	1.06	
	For >100 To 250, Add	0.27	
	For >250 To 500, Add	0.13	
	For >5,000 To 10,000, Deduct	-0.03	
	For >10,000 To 15,000, Deduct	-0.05	
	For >15,000 To 30,000, Deduct	-0.08	
	For >30,000, Deduct	-0.11	
09 01 90 52-0007	SF Steam Clean, Concrete And Masonry Surfaces, Surface Preparation.....	0.79	
	For Up To 100, Add	1.36	
	For >100 To 250, Add	0.36	
	For >250 To 500, Add	0.18	
	For >5,000 To 10,000, Deduct	-0.04	
	For >10,000 To 15,000, Deduct	-0.07	
	For >15,000 To 30,000, Deduct	-0.11	
	For >30,000, Deduct	-0.15	
09 01 90 52-0008	SF 2,000 To 5,000 PSI Pressure Wash, Concrete And Masonry Surfaces, Surface Preparation .....	0.51	
	For Up To 100, Add	0.83	
	For >100 To 250, Add	0.22	
	For >250 To 500, Add	0.11	
	For >5,000 To 10,000, Deduct	-0.02	
	For >10,000 To 15,000, Deduct	-0.05	
	For >15,000 To 30,000, Deduct	-0.07	
	For >30,000, Deduct	-0.10	
09 01 90 52-0009	SF 10,000 To 12,000 PSI Water Blast, Concrete And Masonry Surfaces, Surface Preparation .....	1.42	
	For Up To 100, Add	2.54	
	For >100 To 250, Add	0.66	
	For >250 To 500, Add	0.33	
	For >5,000 To 10,000, Deduct	-0.07	
	For >10,000 To 15,000, Deduct	-0.13	
	For >15,000 To 30,000, Deduct	-0.21	
	For >30,000, Deduct	-0.27	
09 01 90 52-0010	SF 30,000 To 40,000 PSI Water Blast, Concrete And Masonry Surfaces, Surface Preparation .....	2.32	
	For Up To 100, Add	4.34	
	For >100 To 250, Add	1.11	
	For >250 To 500, Add	0.55	
	For >5,000 To 10,000, Deduct	-0.11	
	For >10,000 To 15,000, Deduct	-0.22	
	For >15,000 To 30,000, Deduct	-0.34	
	For >30,000, Deduct	-0.45	

**09 Finishes**  
**09 01 Maintenance of Finishes**  
**09 01 90 Maintenance of Painting and Coating**



MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 01 90 52-0011	SF Abrasive Glass Media Blasting, Concrete And Masonry Surfaces, Surface Preparation.....	3.68	
	Note: 3 lbs of sand or glass abrasive media material per SF		
	For 4.5 lbs Of Abrasive Media Material per SF, Where Multiple Pass Is Required, Add	2.14	
	For 6 lbs Of Abrasive Media Material per SF, Where Multiple Pass Is Required, Add	4.42	
	For 9 lbs Of Abrasive Media Material per SF, Where Multiple Pass Is Required, Add	7.36	
	For Up To 100, Add	6.27	
	For >100 To 250, Add	1.66	
	For >250 To 500, Add	0.81	
	For >5,000 To 10,000, Deduct	-0.17	
	For >10,000 To 15,000, Deduct	-0.34	
	For >15,000 To 30,000, Deduct	-0.53	
	For >30,000, Deduct	-0.70	
<b>09 01 90 52-0012</b>	<b>Metal Surfaces, Surface Preparation (09 01 90 52-0001)</b>		
09 01 90 52-0013	SF Trisodium Phosphate (TSP), Clean Metal Surfaces, Surface Preparation.....	0.39	
	For Up To 100, Add	0.28	
	For >100 To 250, Add	0.13	
	For >250 To 500, Add	0.06	
	For >5,000 To 10,000, Deduct	-0.02	
	For >10,000 To 15,000, Deduct	-0.04	
	For >15,000 To 30,000, Deduct	-0.06	
	For >30,000, Deduct	-0.08	
09 01 90 52-0014	SF Chemical Clean, Brush And Wash, Metal Surfaces, Surface Preparation.....	0.68	
	For Up To 100, Add	0.38	
	For >100 To 250, Add	0.18	
	For >250 To 500, Add	0.08	
	For >5,000 To 10,000, Deduct	-0.03	
	For >10,000 To 15,000, Deduct	-0.06	
	For >15,000 To 30,000, Deduct	-0.10	
	For >30,000, Deduct	-0.13	
09 01 90 52-0015	SF Hand Scraping And Sanding, Metal Surfaces, Surface Preparation.....	0.53	
	For Up To 100, Add	0.40	
	For >100 To 250, Add	0.19	
	For >250 To 500, Add	0.08	
	For >5,000 To 10,000, Deduct	-0.03	
	For >10,000 To 15,000, Deduct	-0.05	
	For >15,000 To 30,000, Deduct	-0.08	
	For >30,000, Deduct	-0.11	
09 01 90 52-0016	SF 2,000 To 5,000 PSI Pressure Wash, Metal Surfaces, Surface Preparation.....	0.49	
	For Up To 100, Add	0.29	
	For >100 To 250, Add	0.13	
	For >250 To 500, Add	0.06	
	For >5,000 To 10,000, Deduct	-0.02	
	For >10,000 To 15,000, Deduct	-0.04	
	For >15,000 To 30,000, Deduct	-0.07	
	For >30,000, Deduct	-0.09	
09 01 90 52-0017	SF Power Tool Cleaning, Metal Surfaces, Surface Preparation.....	1.22	
	For Up To 100, Add	0.92	
	For >100 To 250, Add	0.43	
	For >250 To 500, Add	0.18	
	For >5,000 To 10,000, Deduct	-0.06	
	For >10,000 To 15,000, Deduct	-0.12	
	For >15,000 To 30,000, Deduct	-0.18	
	For >30,000, Deduct	-0.24	
09 01 90 52-0018	SF Steam Cleaning, Metal Surfaces, Surface Preparation.....	0.50	
	For Up To 100, Add	0.26	
	For >100 To 250, Add	0.12	
	For >250 To 500, Add	0.05	
	For >5,000 To 10,000, Deduct	-0.02	
	For >10,000 To 15,000, Deduct	-0.04	
	For >15,000 To 30,000, Deduct	-0.07	
	For >30,000, Deduct	-0.09	
09 01 90 52-0019	SF Loose Mill Scale With Fine Powder, Commercial Blast, Metal Surfaces, Surface Preparation.....	1.08	
	For Up To 100, Add	0.66	
	For >100 To 250, Add	0.31	
	For >250 To 500, Add	0.13	
	For >5,000 To 10,000, Deduct	-0.05	
	For >10,000 To 15,000, Deduct	-0.10	
	For >15,000 To 30,000, Deduct	-0.16	
	For >30,000, Deduct	-0.21	
09 01 90 52-0020	SF Tight Mill Scale With Fine Powder Rust, Commercial Blast, Metal Surfaces, Surface Preparation.....	1.49	
	For Up To 100, Add	0.89	
	For >100 To 250, Add	0.41	
	For >250 To 500, Add	0.18	
	For >5,000 To 10,000, Deduct	-0.07	
	For >10,000 To 15,000, Deduct	-0.14	
	For >15,000 To 30,000, Deduct	-0.21	
	For >30,000, Deduct	-0.28	
09 01 90 52-0021	SF Exterior Coating Blistered Pitted, Rust, Commercial Blast, Metal Surfaces, Surface Preparation.....	2.17	
	For Up To 100, Add	1.32	
	For >100 To 250, Add	0.62	
	For >250 To 500, Add	0.26	
	For >5,000 To 10,000, Deduct	-0.10	
	For >10,000 To 15,000, Deduct	-0.20	
	For >15,000 To 30,000, Deduct	-0.31	
	For >30,000, Deduct	-0.41	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 01 90 52-0022 SF Badly Pitted With Rust Nodules, Commercial Blast, Metal Surfaces, Surface Preparation .....	3.64	
For Up To 100, Add	2.21	
For >100 To 250, Add	1.03	
For >250 To 500, Add	0.44	
For >5,000 To 10,000, Deduct	-0.17	
For >10,000 To 15,000, Deduct	-0.34	
For >15,000 To 30,000, Deduct	-0.53	
For >30,000, Deduct	-0.69	
09 01 90 52-0023 SF Loose Mill Scale With Fine Powder Rust, Near White Blast, Metal Surfaces, Surface Preparation .....	2.77	
For Up To 100, Add	1.66	
For >100 To 250, Add	0.77	
For >250 To 500, Add	0.33	
For >5,000 To 10,000, Deduct	-0.13	
For >10,000 To 15,000, Deduct	-0.25	
For >15,000 To 30,000, Deduct	-0.40	
For >30,000, Deduct	-0.53	
09 01 90 52-0024 SF Tight Mill Scale Little Rust, Near White Blast, Metal Surfaces, Surface Preparation .....	3.44	
For Up To 100, Add	2.04	
For >100 To 250, Add	0.95	
For >250 To 500, Add	0.41	
For >5,000 To 10,000, Deduct	-0.16	
For >10,000 To 15,000, Deduct	-0.32	
For >15,000 To 30,000, Deduct	-0.49	
For >30,000, Deduct	-0.65	
09 01 90 52-0025 SF Exterior Coat Blistered Pitted Rust, Near White Blast, Metal Surfaces, Surface Preparation .....	4.46	
For Up To 100, Add	2.66	
For >100 To 250, Add	1.24	
For >250 To 500, Add	0.53	
For >5,000 To 10,000, Deduct	-0.20	
For >10,000 To 15,000, Deduct	-0.41	
For >15,000 To 30,000, Deduct	-0.64	
For >30,000, Deduct	-0.85	
09 01 90 52-0026 SF Badly Pitted Rust Nodules, Near White Blast, Metal Surfaces, Surface Preparation .....	5.57	
For Up To 100, Add	3.32	
For >100 To 250, Add	1.55	
For >250 To 500, Add	0.66	
For >5,000 To 10,000, Deduct	-0.26	
For >10,000 To 15,000, Deduct	-0.51	
For >15,000 To 30,000, Deduct	-0.80	
For >30,000, Deduct	-1.06	
<b>09 01 90 52-0027 Tile Surfaces, Surface Preparation (09 01 90 52-0001)</b> .....	<b>0.35</b>	
09 01 90 52-0028 SF Trisodium Phosphate (TSP), Clean Tile Surfaces, Surface Preparation .....	0.35	
For Up To 100, Add	0.25	
For >100 To 250, Add	0.12	
For >250 To 500, Add	0.05	
For >5,000 To 10,000, Deduct	-0.02	
For >10,000 To 15,000, Deduct	-0.03	
For >15,000 To 30,000, Deduct	-0.05	
For >30,000, Deduct	-0.07	
09 01 90 52-0029 CSF Chemical Alkaline Cleaner, Brush And Wash Tile Surfaces, Surface Preparation .....	34.41	
For Up To 100, Add	25.54	
For >100 To 250, Add	11.92	
For >250 To 500, Add	5.11	
For >5,000 To 10,000, Deduct	-1.71	
For >10,000 To 15,000, Deduct	-3.43	
For >15,000 To 30,000, Deduct	-5.15	
For >30,000, Deduct	-6.86	
09 01 90 52-0030 SF 2,000 To 5,000 PSI, Pressure Wash Tile Surfaces, Surface Preparation .....	0.36	
For Up To 100, Add	0.22	
For >100 To 250, Add	0.10	
For >250 To 500, Add	0.04	
For >5,000 To 10,000, Deduct	-0.02	
For >10,000 To 15,000, Deduct	-0.03	
For >15,000 To 30,000, Deduct	-0.05	
For >30,000, Deduct	-0.07	
<b>09 01 90 52-0031 Wood Surfaces, Surface Preparation (09 01 90 52-0001)</b> .....	<b>0.37</b>	
09 01 90 52-0032 SF Trisodium Phosphate (TSP), Clean Wood Surfaces, Surface Preparation .....	0.37	
For Up To 100, Add	0.26	
For >100 To 250, Add	0.12	
For >250 To 500, Add	0.05	
For >5,000 To 10,000, Deduct	-0.02	
For >10,000 To 15,000, Deduct	-0.04	
For >15,000 To 30,000, Deduct	-0.05	
For >30,000, Deduct	-0.07	
09 01 90 52-0033 SF Chemical Clean, Brush And Wash Wood Surfaces, Surface Preparation .....	0.57	
For Up To 100, Add	0.30	
For >100 To 250, Add	0.14	
For >250 To 500, Add	0.06	
For >5,000 To 10,000, Deduct	-0.03	
For >10,000 To 15,000, Deduct	-0.05	
For >15,000 To 30,000, Deduct	-0.08	
For >30,000, Deduct	-0.11	

**09 Finishes**  
**09 01 Maintenance of Finishes**  
**09 01 90 Maintenance of Painting and Coating**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 01 90 52-0034	SF		Hand Scrape Wood Surfaces, Surface Preparation.....	0.79	
			For Up To 100, Add	0.59	
			For >100 To 250, Add	0.28	
			For >250 To 500, Add	0.12	
			For >5,000 To 10,000, Deduct	-0.04	
			For >10,000 To 15,000, Deduct	-0.08	
			For >15,000 To 30,000, Deduct	-0.12	
			For >30,000, Deduct	-0.16	
09 01 90 52-0035	SF		Steam Clean Wood Surfaces, Surface Preparation.....	0.77	
			For Up To 100, Add	0.47	
			For >100 To 250, Add	0.22	
			For >250 To 500, Add	0.09	
			For >5,000 To 10,000, Deduct	-0.04	
			For >10,000 To 15,000, Deduct	-0.07	
			For >15,000 To 30,000, Deduct	-0.11	
			For >30,000, Deduct	-0.15	
09 01 90 52-0036	SF		2,000 To 5,000 PSI, Pressure Wash Wood Surfaces, Surface Preparation.....	0.53	
			For Up To 100, Add	0.32	
			For >100 To 250, Add	0.15	
			For >250 To 500, Add	0.06	
			For >5,000 To 10,000, Deduct	-0.02	
			For >10,000 To 15,000, Deduct	-0.05	
			For >15,000 To 30,000, Deduct	-0.08	
			For >30,000, Deduct	-0.10	
09 01 90 52-0037	SF		Sanding Wood Paneling, Boards, Doors Or Other Wood Surfaces, Surface Preparation.....	0.74	
			For Up To 100, Add	0.50	
			For >100 To 250, Add	0.23	
			For >250 To 500, Add	0.10	
			For >5,000 To 10,000, Deduct	-0.04	
			For >10,000 To 15,000, Deduct	-0.07	
			For >15,000 To 30,000, Deduct	-0.11	
			For >30,000, Deduct	-0.14	
09 01 90 52-0038	SF		Sanding Wood Trim Surfaces, Surface Preparation.....	0.99	
			For Up To 100, Add	0.68	
			For >100 To 250, Add	0.32	
			For >250 To 500, Add	0.14	
			For >5,000 To 10,000, Deduct	-0.05	
			For >10,000 To 15,000, Deduct	-0.10	
			For >15,000 To 30,000, Deduct	-0.15	
			For >30,000, Deduct	-0.19	
09 01 90 52-0039	SF		Prepare New Wood Floor For Finish, Multi Grit Sanding/Screening.....	1.54	
			For Up To 100, Add	1.09	
			For >100 To 250, Add	0.51	
			For >250 To 500, Add	0.22	
			For >5,000 To 10,000, Deduct	-0.08	
			For >10,000 To 15,000, Deduct	-0.15	
			For >15,000 To 30,000, Deduct	-0.23	
			For >30,000, Deduct	-0.30	
09 01 90 52-0040	SF		Prime Wood Surfaces With Linseed Oil, 1 Coat, Surface Preparation.....	0.67	
			For Up To 100, Add	0.41	
			For >100 To 250, Add	0.19	
			For >250 To 500, Add	0.08	
			For >5,000 To 10,000, Deduct	-0.03	
			For >10,000 To 15,000, Deduct	-0.06	
			For >15,000 To 30,000, Deduct	-0.10	
			For >30,000, Deduct	-0.13	
09 01 90 52-0041	SF		Paint Wood Surfaces With Linseed Oil, 1 Coat, Surface Preparation.....	0.77	
			For Up To 100, Add	0.48	
			For >100 To 250, Add	0.22	
			For >250 To 500, Add	0.10	
			For >5,000 To 10,000, Deduct	-0.04	
			For >10,000 To 15,000, Deduct	-0.07	
			For >15,000 To 30,000, Deduct	-0.11	
			For >30,000, Deduct	-0.15	
09 01 90 52-0042			<b>Vinyl Siding Surfaces, Surface Preparation (09 01 90 52-0001)</b>		
09 01 90 52-0043	SF		Trisodium Phosphate (TSP), Clean, Vinyl Siding Surfaces, Surface Preparation.....	0.35	
			For Up To 100, Add	0.25	
			For >100 To 250, Add	0.12	
			For >250 To 500, Add	0.05	
			For >5,000 To 10,000, Deduct	-0.02	
			For >10,000 To 15,000, Deduct	-0.03	
			For >15,000 To 30,000, Deduct	-0.05	
			For >30,000, Deduct	-0.07	
09 01 90 52-0044	SF		Hand Wash, Vinyl Siding Surfaces, Surface Preparation.....	0.56	
			For Up To 100, Add	0.39	
			For >100 To 250, Add	0.18	
			For >250 To 500, Add	0.08	
			For >5,000 To 10,000, Deduct	-0.03	
			For >10,000 To 15,000, Deduct	-0.05	
			For >15,000 To 30,000, Deduct	-0.08	
			For >30,000, Deduct	-0.11	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 01 90 52-0045 SF 2,000 To 5,000 PSI Pressure Wash, Vinyl Siding Surfaces, Surface Preparation.....	0.45	
<i>For Up To 100, Add</i>	0.25	
<i>For &gt;100 To 250, Add</i>	0.12	
<i>For &gt;250 To 500, Add</i>	0.05	
<i>For &gt;5,000 To 10,000, Deduct</i>	-0.02	
<i>For &gt;10,000 To 15,000, Deduct</i>	-0.04	
<i>For &gt;15,000 To 30,000, Deduct</i>	-0.06	
<i>For &gt;30,000, Deduct</i>	-0.08	
09 01 90 52-0046 SF Steam Clean, Vinyl Siding Surfaces, Surface Preparation .....	0.82	
<i>For Up To 100, Add</i>	0.47	
<i>For &gt;100 To 250, Add</i>	0.22	
<i>For &gt;250 To 500, Add</i>	0.09	
<i>For &gt;5,000 To 10,000, Deduct</i>	-0.04	
<i>For &gt;10,000 To 15,000, Deduct</i>	-0.07	
<i>For &gt;15,000 To 30,000, Deduct</i>	-0.12	
<i>For &gt;30,000, Deduct</i>	-0.15	
<b>09 01 90 52-0047 Plaster/Stucco Surfaces, Surface Preparation</b> <small>(09 01 90 52-0001)</small>		
Note: Based on total project quantity.		
09 01 90 52-0048 SF Trisodium Phosphate (TSP), Clean Plaster/Stucco Surfaces, Surface Preparation .....	0.40	
<i>For Up To 100, Add</i>	0.29	
<i>For &gt;100 To 250, Add</i>	0.13	
<i>For &gt;250 To 500, Add</i>	0.06	
<i>For &gt;5,000 To 10,000, Deduct</i>	-0.02	
<i>For &gt;10,000 To 15,000, Deduct</i>	-0.04	
<i>For &gt;15,000 To 30,000, Deduct</i>	-0.06	
<i>For &gt;30,000, Deduct</i>	-0.08	
09 01 90 52-0049 SF 2,000 To 5,000 PSI Pressure Wash Plaster/Stucco Surfaces, Surface Preparation.....	0.57	
<i>For Up To 100, Add</i>	0.33	
<i>For &gt;100 To 250, Add</i>	0.15	
<i>For &gt;250 To 500, Add</i>	0.07	
<i>For &gt;5,000 To 10,000, Deduct</i>	-0.03	
<i>For &gt;10,000 To 15,000, Deduct</i>	-0.05	
<i>For &gt;15,000 To 30,000, Deduct</i>	-0.08	
<i>For &gt;30,000, Deduct</i>	-0.11	
<b>09 01 90 52-0050 Prep Work</b> <small>(09 01 90 52-0001)</small>		
09 01 90 52-0051 SF Citrus Strip, Single Applications.....	1.01	
Note: For removal of up to 40 mils each application (average 5 layers at 8 mils per layer) dried latex and oil-based paint, varnish, lacquer, polyurethane and shellac from wood, metal, and masonry surfaces. Multiple applications may be necessary, refer to manufacturer recommendations		
<b>09 01 90 91 Paint Restoration</b> <small>(09 01 90)</small>		
<b>09 01 90 91-0001 Paint Removal, Strip To Bare Wood</b> <small>(09 01 90 91)</small>		
09 01 90 91-0002 SF Flat Surfaces, Paint Removal, Strip To Bare Wood.....	6.25	
09 01 90 91-0003 SF Cornices And Decorative Trim To 12" Wide, Paint Removal, Strip To Bare Wood .....	6.66	
<b>09 90 Painting and Coating</b> <small>(09)</small>		
Note: Includes masking, safety signs, cleaning of area (dry wiping down walls, floors, doors, etc.), removal of loose paint (paint, caulk, etc.), feathering rough edges, sanding between coats, protective work to contain dust and paint splatters (drop cloths), unless otherwise noted, removal and reinstallation of cabinet hardware, switch covers and outlet plates, equipment to place paint and ladders. New construction work additionally includes filling knots, divots, depressions, holes (screw and nail holes in drywall to 1/4" diameter of unlimited quantity). All work designated as "brush/roller" includes brush work for cut and roller work up to cut in.		
<b>09 91 Painting</b> <small>(09 90)</small>		
<b>09 91 13 Exterior Painting</b> <small>(09 91)</small>		
Note: Acrylic latex paint unless otherwise stated. Paint tasks covers all paint sheens: flat, eggshell, satin, semi-gloss, or gloss.		
09 91 13 00-0001 Paint Exterior Walls/Siding <small>(09 91 13)</small>		
09 91 13 00-0002 Paint Exterior Brick Walls <small>(09 91 13 00-0001)</small>		
09 91 13 00-0003 LF 1 Coat Paint, Cut-in Brush Work, Paint Exterior Brick Walls.....	0.20	
<i>For Oil Based Paint, Add</i>	0.01	
<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.02	
<i>Note: Applied only to work area above 15' to 20'.</i>		
<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.04	
<i>Note: Applied only to work area above 20'.</i>		
<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.06	
<i>Note: Applied only to work area above 30' to 40'.</i>		
<i>For Work &gt;40' Above Floor, Add</i>	0.08	
<i>Note: Applied only to work area above 40'.</i>		
<i>For Up To 100, Add</i>	0.12	
<i>For &gt;100 To 250, Add</i>	0.06	
<i>For &gt;250 To 500, Add</i>	0.03	
<i>For &gt;2,500 To 5,000, Deduct</i>	-0.01	
<i>For &gt;5,000 To 10,000, Deduct</i>	-0.02	
<i>For &gt;10,000 To 20,000, Deduct</i>	-0.03	
<i>For &gt;20,000, Deduct</i>	-0.04	

**09 Finishes**  
**09 90 Painting and Coating**  
**09 91 Painting**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0004	SF	1	Coat Filler, Brush Work, Paint Exterior Brick Walls.....	0.88	
			<i>For Oil Based Paint, Add</i>	0.06	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.09	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.16	
			<i>Note: Applied only to work area above 20'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.25	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	0.35	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.51	
			<i>For &gt;100 To 250, Add</i>	0.25	
			<i>For &gt;250 To 500, Add</i>	0.11	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.04	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.09	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.13	
			<i>For &gt;20,000, Deduct</i>	-0.18	
09 91 13 00-0005	SF	1	Coat Paint, Brush Work, Paint Exterior Brick Walls.....	1.25	
			<i>For Oil Based Paint, Add</i>	0.08	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.14	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.24	
			<i>Note: Applied only to work area above 20'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.38	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	0.52	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.76	
			<i>For &gt;100 To 250, Add</i>	0.36	
			<i>For &gt;250 To 500, Add</i>	0.16	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.06	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.13	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.19	
			<i>For &gt;20,000, Deduct</i>	-0.25	
09 91 13 00-0006	SF	2	Coats Paint, Brush Work, Paint Exterior Brick Walls.....	1.86	
			<i>For Oil Based Paint, Add</i>	0.12	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.19	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.32	
			<i>Note: Applied only to work area above 20'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.51	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	0.70	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	1.04	
			<i>For &gt;100 To 250, Add</i>	0.50	
			<i>For &gt;250 To 500, Add</i>	0.22	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.09	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.19	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.28	
			<i>For &gt;20,000, Deduct</i>	-0.37	
09 91 13 00-0007	SF	1	Coat Filler, Brush/Roller Work, Paint Exterior Brick Walls.....	0.63	
			<i>For Oil Based Paint, Add</i>	0.04	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.06	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.10	
			<i>Note: Applied only to work area above 20'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.15	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	0.21	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.32	
			<i>For &gt;100 To 250, Add</i>	0.16	
			<i>For &gt;250 To 500, Add</i>	0.07	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.03	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.06	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.09	
			<i>For &gt;20,000, Deduct</i>	-0.13	
09 91 13 00-0008	SF	1	Coat Paint, Brush/Roller Work, Paint Exterior Brick Walls.....	1.02	
			<i>For Oil Based Paint, Add</i>	0.07	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.10	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.16	
			<i>Note: Applied only to work area above 20'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.26	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	0.35	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.54	
			<i>For &gt;100 To 250, Add</i>	0.26	
			<i>For &gt;250 To 500, Add</i>	0.12	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.05	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.10	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.15	
			<i>For &gt;20,000, Deduct</i>	-0.20	



	<b>Finishes</b>	<b>09</b>
	Painting and Coating	09 90
	Painting	09 91

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0009 SF 2 Coats Paint, Brush/Roller Work, Paint Exterior Brick Walls .....	1.57	
For Oil Based Paint, Add	0.11	
For Work >15' To 20' Above Floor, Add	0.13	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.22	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.36	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.49	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.77	
For >100 To 250, Add	0.38	
For >250 To 500, Add	0.17	
For >2,500 To 5,000, Deduct	-0.08	
For >5,000 To 10,000, Deduct	-0.16	
For >10,000 To 20,000, Deduct	-0.24	
For >20,000, Deduct	-0.31	
09 91 13 00-0010 SF 1 Coat Filler, Sprayed, Paint Exterior Brick Walls .....	0.65	
For Oil Based Paint, Add	0.05	
For Work >15' To 20' Above Floor, Add	0.05	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.09	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.14	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.19	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.31	
For >100 To 250, Add	0.15	
For >250 To 500, Add	0.07	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.10	
For >20,000, Deduct	-0.13	
09 91 13 00-0011 SF 1 Coat Paint, Sprayed, Paint Exterior Brick Walls .....	0.70	
For Oil Based Paint, Add	0.06	
For Work >15' To 20' Above Floor, Add	0.04	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.07	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.11	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.15	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.27	
For >100 To 250, Add	0.14	
For >250 To 500, Add	0.06	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.11	
For >20,000, Deduct	-0.14	
09 91 13 00-0012 SF 2 Coats Paint, Sprayed, Paint Exterior Brick Walls .....	1.42	
For Oil Based Paint, Add	0.11	
For Work >15' To 20' Above Floor, Add	0.11	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.18	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.28	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.39	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.63	
For >100 To 250, Add	0.32	
For >250 To 500, Add	0.14	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.14	
For >10,000 To 20,000, Deduct	-0.21	
For >20,000, Deduct	-0.28	

09 91 13 00-0013 Paint Exterior Concrete Walls (09 91 13 00-0001)

**09 Finishes**

**09 90 Painting and Coating**

**09 91 Painting**



MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 91 13 00-0014	LF 1 Coat Paint, Cut-in Brush Work, Paint Exterior Concrete Walls .....	0.13	
	For Oil Based Paint, Add	0.01	
	For Epoxy Paint, Add	0.02	
	For Work >15' To 20' Above Floor, Add	0.02	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.03	
	Note: Applied only to work area above 20'.		
	For Work >30' To 40' Above Floor, Add	0.04	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.06	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.08	
	For >100 To 250, Add	0.04	
	For >250 To 500, Add	0.02	
	For >2,500 To 5,000, Deduct	-0.01	
	For >5,000 To 10,000, Deduct	-0.01	
	For >10,000 To 20,000, Deduct	-0.02	
	For >20,000, Deduct	-0.03	
09 91 13 00-0015	SF 1 Coat Filler, Brush Work, Paint Exterior Concrete Walls .....	0.75	
	For Oil Based Paint, Add	0.05	
	For Epoxy Paint, Add	0.10	
	For Work >15' To 20' Above Floor, Add	0.08	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.14	
	Note: Applied only to work area above 20'.		
	For Work >30' To 40' Above Floor, Add	0.22	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.30	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.44	
	For >100 To 250, Add	0.21	
	For >250 To 500, Add	0.09	
	For >2,500 To 5,000, Deduct	-0.04	
	For >5,000 To 10,000, Deduct	-0.08	
	For >10,000 To 20,000, Deduct	-0.11	
	For >20,000, Deduct	-0.15	
09 91 13 00-0016	SF 1 Coat Filler, Brush Work, Paint Exterior Concrete Walls .....	0.79	
	For Oil Based Paint, Add	0.05	
	For Epoxy Paint, Add	0.09	
	For Work >15' To 20' Above Floor, Add	0.09	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.16	
	Note: Applied only to work area above 20'.		
	For Work >30' To 40' Above Floor, Add	0.25	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.34	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.49	
	For >100 To 250, Add	0.23	
	For >250 To 500, Add	0.10	
	For >2,500 To 5,000, Deduct	-0.04	
	For >5,000 To 10,000, Deduct	-0.08	
	For >10,000 To 20,000, Deduct	-0.12	
	For >20,000, Deduct	-0.16	
09 91 13 00-0017	SF 2 Coats Paint, Brush Work, Paint Exterior Concrete Walls .....	1.50	
	For Oil Based Paint, Add	0.09	
	For Epoxy Paint, Add	0.18	
	For Work >15' To 20' Above Floor, Add	0.17	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.29	
	Note: Applied only to work area above 20'.		
	For Work >30' To 40' Above Floor, Add	0.46	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.64	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.92	
	For >100 To 250, Add	0.44	
	For >250 To 500, Add	0.19	
	For >2,500 To 5,000, Deduct	-0.08	
	For >5,000 To 10,000, Deduct	-0.15	
	For >10,000 To 20,000, Deduct	-0.23	
	For >20,000, Deduct	-0.30	



<b>Finishes</b>	<b>09</b>	<b>09</b>
Painting and Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0018 SF 1 Coat Filler, Brush/Roller Work, Paint Exterior Concrete Walls.....	0.63	
For Oil Based Paint, Add	0.04	
For Epoxy Paint, Add	0.09	
For Work >15' To 20' Above Floor, Add	0.06	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.11	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.17	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.23	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.35	
For >100 To 250, Add	0.17	
For >250 To 500, Add	0.07	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.09	
For >20,000, Deduct	-0.13	
09 91 13 00-0019 SF 1 Coat Paint, Brush/Roller Work, Paint Exterior Concrete Walls .....	0.68	
For Oil Based Paint, Add	0.04	
For Epoxy Paint, Add	0.09	
For Work >15' To 20' Above Floor, Add	0.08	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.13	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.20	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.28	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.41	
For >100 To 250, Add	0.20	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.10	
For >20,000, Deduct	-0.14	
09 91 13 00-0020 SF 2 Coats Paint, Brush/Roller Work, Paint Exterior Concrete Walls.....	1.17	
For Oil Based Paint, Add	0.08	
For Epoxy Paint, Add	0.16	
For Work >15' To 20' Above Floor, Add	0.12	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.21	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.33	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.46	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.67	
For >100 To 250, Add	0.32	
For >250 To 500, Add	0.14	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.12	
For >10,000 To 20,000, Deduct	-0.18	
For >20,000, Deduct	-0.23	
09 91 13 00-0021 SF 1 Coat Filler, Sprayed, Paint Exterior Concrete Walls .....	0.57	
For Oil Based Paint, Add	0.04	
For Epoxy Paint, Add	0.10	
For Work >15' To 20' Above Floor, Add	0.05	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.08	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.13	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.18	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.28	
For >100 To 250, Add	0.14	
For >250 To 500, Add	0.06	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.09	
For >20,000, Deduct	-0.11	

**09 Finishes**

**09 90 Painting and Coating**

**09 91 Painting**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0022	SF		1 Coat Paint, Sprayed, Paint Exterior Concrete Walls .....	0.52	
			<i>For Oil Based Paint, Add</i>	0.04	
			<i>For Epoxy Paint, Add</i>	0.09	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.05	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.08	
			<i>Note: Applied only to work area above 20'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.12	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	0.17	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.26	
			<i>For &gt;100 To 250, Add</i>	0.13	
			<i>For &gt;250 To 500, Add</i>	0.06	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.03	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.05	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.08	
			<i>For &gt;20,000, Deduct</i>	-0.10	
09 91 13 00-0023	SF		2 Coats Paint, Sprayed, Paint Exterior Concrete Walls .....	0.92	
			<i>For Oil Based Paint, Add</i>	0.07	
			<i>For Epoxy Paint, Add</i>	0.17	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.08	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.13	
			<i>Note: Applied only to work area above 20'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.20	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	0.28	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.44	
			<i>For &gt;100 To 250, Add</i>	0.22	
			<i>For &gt;250 To 500, Add</i>	0.10	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.05	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.09	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.14	
			<i>For &gt;20,000, Deduct</i>	-0.18	
09 91 13 00-0024			Paint Exterior Concrete Block Walls <small>(09 91 13 00-0001)</small>		
09 91 13 00-0025			Paint Exterior Concrete Block Walls, Epoxy Paint <small>(09 91 13 00-0024)</small>		
09 91 13 00-0026	LF		1 Coat Epoxy Paint, Cut-in Brush Work, Paint Exterior Concrete Block Walls.....	0.19	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.02	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.03	
			<i>Note: Applied only to work area above 20'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.05	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	0.07	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.11	
			<i>For &gt;100 To 250, Add</i>	0.05	
			<i>For &gt;250 To 500, Add</i>	0.02	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.01	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.02	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.03	
			<i>For &gt;20,000, Deduct</i>	-0.04	
09 91 13 00-0027	SF		1 Coat Epoxy Filler, Brush Work, Paint Exterior Concrete Block Walls.....	1.08	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.11	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.18	
			<i>Note: Applied only to work area above 20'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.28	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	0.39	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.58	
			<i>For &gt;100 To 250, Add</i>	0.28	
			<i>For &gt;250 To 500, Add</i>	0.12	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.05	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.11	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.16	
			<i>For &gt;20,000, Deduct</i>	-0.22	



<b>Finishes</b>	<b>09</b>	<b>09</b>
Painting and Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0028 SF 1 Coat Epoxy Paint, Brush Work, Paint Exterior Concrete Block Walls .....	1.22	
For Work >15' To 20' Above Floor, Add	0.13	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.21	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.34	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.46	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.69	
For >100 To 250, Add	0.33	
For >250 To 500, Add	0.15	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.12	
For >10,000 To 20,000, Deduct	-0.18	
For >20,000, Deduct	-0.24	
09 91 13 00-0029 SF 2 Coats Epoxy Paint, Brush Work, Paint Exterior Concrete Block Walls .....	2.17	
For Work >15' To 20' Above Floor, Add	0.21	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.35	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.56	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.78	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.17	
For >100 To 250, Add	0.57	
For >250 To 500, Add	0.25	
For >2,500 To 5,000, Deduct	-0.11	
For >5,000 To 10,000, Deduct	-0.22	
For >10,000 To 20,000, Deduct	-0.33	
For >20,000, Deduct	-0.43	
09 91 13 00-0030 SF 1 Coat Epoxy Filler, Brush/Roller Work, Paint Exterior Concrete Block Walls .....	0.92	
For Work >15' To 20' Above Floor, Add	0.08	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.14	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.22	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.30	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.46	
For >100 To 250, Add	0.23	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.14	
For >20,000, Deduct	-0.18	
09 91 13 00-0031 SF 1 Coat Epoxy Paint, Brush/Roller Work, Paint Exterior Concrete Block Walls.....	1.00	
For Work >15' To 20' Above Floor, Add	0.09	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.16	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.25	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.34	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.52	
For >100 To 250, Add	0.26	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.10	
For >10,000 To 20,000, Deduct	-0.15	
For >20,000, Deduct	-0.20	
09 91 13 00-0032 SF 2 Coats Epoxy Paint, Brush/Roller Work, Paint Exterior Concrete Block Walls.....	1.81	
For Work >15' To 20' Above Floor, Add	0.16	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.26	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.42	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.58	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.90	
For >100 To 250, Add	0.44	
For >250 To 500, Add	0.20	
For >2,500 To 5,000, Deduct	-0.09	
For >5,000 To 10,000, Deduct	-0.18	
For >10,000 To 20,000, Deduct	-0.27	
For >20,000, Deduct	-0.36	

**09 Finishes**  
**09 90 Painting and Coating**  
**09 91 Painting**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0033	SF		1 Coat Epoxy Filler, Sprayed, Paint Exterior Concrete Block Walls.....	0.80	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.05	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.09	
			<i>Note: Applied only to work area above 20'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.14	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	0.19	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.32	
			<i>For &gt;100 To 250, Add</i>	0.17	
			<i>For &gt;250 To 500, Add</i>	0.07	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.04	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.08	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.12	
			<i>For &gt;20,000, Deduct</i>	-0.16	
09 91 13 00-0034	SF		1 Coat Epoxy Paint, Sprayed, Paint Exterior Concrete Block Walls .....	0.87	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.06	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.10	
			<i>Note: Applied only to work area above 20'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.16	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	0.23	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.38	
			<i>For &gt;100 To 250, Add</i>	0.19	
			<i>For &gt;250 To 500, Add</i>	0.08	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.04	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.09	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.13	
			<i>For &gt;20,000, Deduct</i>	-0.17	
09 91 13 00-0035	SF		2 Coats Epoxy Paint, Sprayed, Paint Exterior Concrete Block Walls.....	1.72	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.11	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.19	
			<i>Note: Applied only to work area above 20'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.30	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	0.41	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.71	
			<i>For &gt;100 To 250, Add</i>	0.36	
			<i>For &gt;250 To 500, Add</i>	0.16	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.09	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.17	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.26	
			<i>For &gt;20,000, Deduct</i>	-0.34	
09 91 13 00-0036			<b>Paint Exterior Concrete Block Walls, Acrylic Latex Paint (09 91 13 00-0024)</b>		
09 91 13 00-0037	LF		1 Coat Paint, Cut-in Brush Work, Paint Exterior Concrete Block Walls.....	0.19	
			<i>For Oil Based Paint, Add</i>	0.01	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.02	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.03	
			<i>Note: Applied only to work area above 20'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.05	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	0.07	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.11	
			<i>For &gt;100 To 250, Add</i>	0.05	
			<i>For &gt;250 To 500, Add</i>	0.02	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.01	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.02	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.03	
			<i>For &gt;20,000, Deduct</i>	-0.04	
09 91 13 00-0038	SF		1 Coat Filler, Brush Work, Paint Exterior Concrete Block Walls .....	0.96	
			<i>For Oil Based Paint, Add</i>	0.06	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.11	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.18	
			<i>Note: Applied only to work area above 20'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.28	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	0.39	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.57	
			<i>For &gt;100 To 250, Add</i>	0.27	
			<i>For &gt;250 To 500, Add</i>	0.12	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.05	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.10	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.14	
			<i>For &gt;20,000, Deduct</i>	-0.19	





	<b>Finishes</b>	<b>09</b>
	Painting and Coating	09 90
	Painting	09 91

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0039 SF 1 Coat Paint, Brush Work, Paint Exterior Concrete Block Walls.....	1.15	
For Oil Based Paint, Add	0.07	
For Work >15' To 20' Above Floor, Add	0.12	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.20	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.32	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.45	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.66	
For >100 To 250, Add	0.32	
For >250 To 500, Add	0.14	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.12	
For >10,000 To 20,000, Deduct	-0.17	
For >20,000, Deduct	-0.23	
09 91 13 00-0040 SF 2 Coats Paint, Brush Work, Paint Exterior Concrete Block Walls.....	2.13	
For Oil Based Paint, Add	0.14	
For Work >15' To 20' Above Floor, Add	0.22	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.36	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.58	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.80	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.19	
For >100 To 250, Add	0.58	
For >250 To 500, Add	0.25	
For >2,500 To 5,000, Deduct	-0.11	
For >5,000 To 10,000, Deduct	-0.21	
For >10,000 To 20,000, Deduct	-0.32	
For >20,000, Deduct	-0.43	
09 91 13 00-0041 SF 1 Coat Texture Paint, Brush Work, Paint Exterior Concrete Block Walls.....	1.29	
For Oil Based Paint, Add	0.08	
For Work >15' To 20' Above Floor, Add	0.14	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.23	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.36	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.50	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.74	
For >100 To 250, Add	0.36	
For >250 To 500, Add	0.16	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.13	
For >10,000 To 20,000, Deduct	-0.19	
For >20,000, Deduct	-0.26	
09 91 13 00-0042 SF 1 Coat Filler, Brush/Roller Work, Paint Exterior Concrete Block Walls.....	0.78	
For Oil Based Paint, Add	0.05	
For Work >15' To 20' Above Floor, Add	0.08	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.13	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.21	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.29	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.44	
For >100 To 250, Add	0.21	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.12	
For >20,000, Deduct	-0.16	
09 91 13 00-0043 SF 1 Coat Paint, Brush/Roller Work, Paint Exterior Concrete Block Walls.....	1.00	
For Oil Based Paint, Add	0.07	
For Work >15' To 20' Above Floor, Add	0.10	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.17	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.26	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.36	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.55	
For >100 To 250, Add	0.27	
For >250 To 500, Add	0.12	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.10	
For >10,000 To 20,000, Deduct	-0.15	
For >20,000, Deduct	-0.20	

**09 Finishes**  
**09 90 Painting and Coating**  
**09 91 Painting**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0044	SF		2 Coats Paint, Brush/Roller Work, Paint Exterior Concrete Block Walls.....	1.76	
			<i>For Oil Based Paint, Add</i>	0.12	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.16	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.27	
			<i>Note: Applied only to work area above 20'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.43	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	0.59	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.91	
			<i>For &gt;100 To 250, Add</i>	0.45	
			<i>For &gt;250 To 500, Add</i>	0.20	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.09	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.18	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.26	
			<i>For &gt;20,000, Deduct</i>	-0.35	
09 91 13 00-0045	SF		1 Coat Texture Paint, Brush/Roller Work, Paint Exterior Concrete Block Walls.....	1.12	
			<i>For Oil Based Paint, Add</i>	0.08	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.11	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.19	
			<i>Note: Applied only to work area above 20'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.30	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	0.41	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.61	
			<i>For &gt;100 To 250, Add</i>	0.30	
			<i>For &gt;250 To 500, Add</i>	0.13	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.06	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.11	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.17	
			<i>For &gt;20,000, Deduct</i>	-0.22	
09 91 13 00-0046	SF		1 Coat Filler, Sprayed, Paint Exterior Concrete Block Walls.....	0.80	
			<i>For Oil Based Paint, Add</i>	0.06	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.07	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.12	
			<i>Note: Applied only to work area above 20'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.18	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	0.25	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.40	
			<i>For &gt;100 To 250, Add</i>	0.20	
			<i>For &gt;250 To 500, Add</i>	0.09	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.04	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.08	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.12	
			<i>For &gt;20,000, Deduct</i>	-0.16	
09 91 13 00-0047	SF		1 Coat Paint, Sprayed, Paint Exterior Concrete Block Walls.....	0.86	
			<i>For Oil Based Paint, Add</i>	0.06	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.07	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.11	
			<i>Note: Applied only to work area above 20'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.18	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	0.24	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.39	
			<i>For &gt;100 To 250, Add</i>	0.20	
			<i>For &gt;250 To 500, Add</i>	0.09	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.04	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.09	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.13	
			<i>For &gt;20,000, Deduct</i>	-0.17	
09 91 13 00-0048	SF		2 Coats Paint, Sprayed, Paint Exterior Concrete Block Walls.....	1.29	
			<i>For Oil Based Paint, Add</i>	0.09	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.12	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.20	
			<i>Note: Applied only to work area above 20'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.31	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	0.43	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.66	
			<i>For &gt;100 To 250, Add</i>	0.32	
			<i>For &gt;250 To 500, Add</i>	0.14	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.06	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.13	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.19	
			<i>For &gt;20,000, Deduct</i>	-0.26	



<b>Finishes</b>	<b>09</b>	<b>09</b>
Painting and Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0049 SF 1 Coat Texture Paint, Sprayed, Paint Exterior Concrete Block Walls .....	1.10	
For Oil Based Paint, Add	0.08	
For Work >15' To 20' Above Floor, Add	0.09	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.15	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.24	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.32	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.52	
For >100 To 250, Add	0.26	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.11	
For >10,000 To 20,000, Deduct	-0.17	
For >20,000, Deduct	-0.22	
<b>09 91 13 00-0050 Paint Exterior Metal Walls (09 91 13 00-0001)</b>		
<b>09 91 13 00-0051 Paint Exterior Galvanized Walls (09 91 13 00-0050)</b>		
Note: Linseed oil or acrylic latex paint.		
09 91 13 00-0052 SF 1 Coat Primer, Brush Work, Paint Exterior Galvanized Wall Surfaces.....	1.00	
For Work >15' To 20' Above Floor, Add	0.09	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.16	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.25	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.35	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.53	
For >100 To 250, Add	0.26	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.10	
For >10,000 To 20,000, Deduct	-0.15	
For >20,000, Deduct	-0.20	
09 91 13 00-0053 SF 1 Coat Paint, Brush Work, Paint Exterior Galvanized Wall Surfaces .....	1.09	
For Work >15' To 20' Above Floor, Add	0.11	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.18	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.29	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.40	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.60	
For >100 To 250, Add	0.29	
For >250 To 500, Add	0.13	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.11	
For >10,000 To 20,000, Deduct	-0.16	
For >20,000, Deduct	-0.22	
09 91 13 00-0054 SF 2 Coats Paint, Brush Work, Paint Exterior Galvanized Wall Surfaces .....	2.01	
For Work >15' To 20' Above Floor, Add	0.19	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.32	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.51	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.70	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.06	
For >100 To 250, Add	0.52	
For >250 To 500, Add	0.23	
For >2,500 To 5,000, Deduct	-0.10	
For >5,000 To 10,000, Deduct	-0.20	
For >10,000 To 20,000, Deduct	-0.30	
For >20,000, Deduct	-0.40	
09 91 13 00-0055 SF 1 Coat Primer, Brush/Roller Work, Paint Exterior Galvanized Walls.....	0.76	
For Work >15' To 20' Above Floor, Add	0.07	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.12	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.18	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.25	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.39	
For >100 To 250, Add	0.19	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.11	
For >20,000, Deduct	-0.15	

**09 Finishes**

**09 90 Painting and Coating**

**09 91 Painting**



MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 91 13 00-0056	SF 1 Coat Paint, Brush/Roller Work, Paint Exterior Galvanized Walls .....	0.86	
	<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.08	
	<i>Note: Applied only to work area above 15' to 20'.</i>		
	<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.14	
	<i>Note: Applied only to work area above 20'.</i>		
	<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.22	
	<i>Note: Applied only to work area above 30' to 40'.</i>		
	<i>For Work &gt;40' Above Floor, Add</i>	0.30	
	<i>Note: Applied only to work area above 40'.</i>		
	<i>For Up To 100, Add</i>	0.45	
	<i>For &gt;100 To 250, Add</i>	0.22	
	<i>For &gt;250 To 500, Add</i>	0.10	
	<i>For &gt;2,500 To 5,000, Deduct</i>	-0.04	
	<i>For &gt;5,000 To 10,000, Deduct</i>	-0.09	
	<i>For &gt;10,000 To 20,000, Deduct</i>	-0.13	
	<i>For &gt;20,000, Deduct</i>	-0.17	
09 91 13 00-0057	SF 2 Coats Paint, Brush/Roller Work, Paint Exterior Galvanized Walls .....	1.64	
	<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.15	
	<i>Note: Applied only to work area above 15' to 20'.</i>		
	<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.25	
	<i>Note: Applied only to work area above 20'.</i>		
	<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.40	
	<i>Note: Applied only to work area above 30' to 40'.</i>		
	<i>For Work &gt;40' Above Floor, Add</i>	0.55	
	<i>Note: Applied only to work area above 40'.</i>		
	<i>For Up To 100, Add</i>	0.85	
	<i>For &gt;100 To 250, Add</i>	0.41	
	<i>For &gt;250 To 500, Add</i>	0.18	
	<i>For &gt;2,500 To 5,000, Deduct</i>	-0.08	
	<i>For &gt;5,000 To 10,000, Deduct</i>	-0.16	
	<i>For &gt;10,000 To 20,000, Deduct</i>	-0.25	
	<i>For &gt;20,000, Deduct</i>	-0.33	
09 91 13 00-0058	SF 1 Coat Primer, Sprayed, Paint Exterior Galvanized Walls .....	0.72	
	<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.04	
	<i>Note: Applied only to work area above 15' to 20'.</i>		
	<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.07	
	<i>Note: Applied only to work area above 20'.</i>		
	<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.12	
	<i>Note: Applied only to work area above 30' to 40'.</i>		
	<i>For Work &gt;40' Above Floor, Add</i>	0.16	
	<i>Note: Applied only to work area above 40'.</i>		
	<i>For Up To 100, Add</i>	0.28	
	<i>For &gt;100 To 250, Add</i>	0.14	
	<i>For &gt;250 To 500, Add</i>	0.07	
	<i>For &gt;2,500 To 5,000, Deduct</i>	-0.04	
	<i>For &gt;5,000 To 10,000, Deduct</i>	-0.07	
	<i>For &gt;10,000 To 20,000, Deduct</i>	-0.11	
	<i>For &gt;20,000, Deduct</i>	-0.14	
09 91 13 00-0059	SF 1 Coat Paint, Sprayed, Paint Exterior Galvanized Walls.....	0.89	
	<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.07	
	<i>Note: Applied only to work area above 15' to 20'.</i>		
	<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.12	
	<i>Note: Applied only to work area above 20'.</i>		
	<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.18	
	<i>Note: Applied only to work area above 30' to 40'.</i>		
	<i>For Work &gt;40' Above Floor, Add</i>	0.25	
	<i>Note: Applied only to work area above 40'.</i>		
	<i>For Up To 100, Add</i>	0.41	
	<i>For &gt;100 To 250, Add</i>	0.20	
	<i>For &gt;250 To 500, Add</i>	0.09	
	<i>For &gt;2,500 To 5,000, Deduct</i>	-0.04	
	<i>For &gt;5,000 To 10,000, Deduct</i>	-0.09	
	<i>For &gt;10,000 To 20,000, Deduct</i>	-0.13	
	<i>For &gt;20,000, Deduct</i>	-0.18	
09 91 13 00-0060	SF 2 Coats Paint, Sprayed, Paint Exterior Galvanized Walls.....	1.54	
	<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.10	
	<i>Note: Applied only to work area above 15' to 20'.</i>		
	<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.17	
	<i>Note: Applied only to work area above 20'.</i>		
	<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.28	
	<i>Note: Applied only to work area above 30' to 40'.</i>		
	<i>For Work &gt;40' Above Floor, Add</i>	0.38	
	<i>Note: Applied only to work area above 40'.</i>		
	<i>For Up To 100, Add</i>	0.65	
	<i>For &gt;100 To 250, Add</i>	0.33	
	<i>For &gt;250 To 500, Add</i>	0.15	
	<i>For &gt;2,500 To 5,000, Deduct</i>	-0.08	
	<i>For &gt;5,000 To 10,000, Deduct</i>	-0.15	
	<i>For &gt;10,000 To 20,000, Deduct</i>	-0.23	
	<i>For &gt;20,000, Deduct</i>	-0.31	
09 91 13 00-0061	Paint Exterior Aluminum And Aluminum Alloy Walls <small>(09 91 13 00-0050)</small>		
	<i>Note: Alkyd enamel paint.</i>		



	<b>Finishes</b>	<b>09</b>
	<b>Painting and Coating</b>	<b>09 90</b>
	<b>Painting</b>	<b>09 91</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0062 SF 1 Coat Primer, Brush Work, Paint Exterior Aluminum And Aluminum Alloy Wall Surfaces.....	1.00	
For Work >15' To 20' Above Floor, Add	0.09	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.16	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.25	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.35	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.53	
For >100 To 250, Add	0.26	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.10	
For >10,000 To 20,000, Deduct	-0.15	
For >20,000, Deduct	-0.20	
09 91 13 00-0063 SF 1 Coat Paint, Brush Work, Paint Exterior Aluminum And Aluminum Alloy Wall Surfaces.....	1.09	
For Work >15' To 20' Above Floor, Add	0.11	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.18	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.29	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.40	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.60	
For >100 To 250, Add	0.29	
For >250 To 500, Add	0.13	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.11	
For >10,000 To 20,000, Deduct	-0.16	
For >20,000, Deduct	-0.22	
09 91 13 00-0064 SF 2 Coats Paint, Brush Work, Paint Exterior Aluminum And Aluminum Alloy Wall Surfaces.....	2.00	
For Work >15' To 20' Above Floor, Add	0.19	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.32	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.51	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.70	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.06	
For >100 To 250, Add	0.52	
For >250 To 500, Add	0.23	
For >2,500 To 5,000, Deduct	-0.10	
For >5,000 To 10,000, Deduct	-0.20	
For >10,000 To 20,000, Deduct	-0.30	
For >20,000, Deduct	-0.40	
09 91 13 00-0065 SF 1 Coat Primer, Brush/Roller Work, Paint Exterior Aluminum And Aluminum Alloy Walls.....	0.88	
For Work >15' To 20' Above Floor, Add	0.07	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.11	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.18	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.25	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.40	
For >100 To 250, Add	0.20	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.13	
For >20,000, Deduct	-0.18	
09 91 13 00-0066 SF 1 Coat Paint, Brush/Roller Work, Paint Exterior Aluminum And Aluminum Alloy Walls.....	0.97	
For Work >15' To 20' Above Floor, Add	0.08	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.14	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.22	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.30	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.47	
For >100 To 250, Add	0.23	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.10	
For >10,000 To 20,000, Deduct	-0.15	
For >20,000, Deduct	-0.19	

<b>09</b>	<b>09</b>	<b>Finishes</b>
	<b>09 90</b>	<b>Painting and Coating</b>
	<b>09 91</b>	<b>Painting</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0067 SF 2 Coats Paint, Brush/Roller Work, Paint Exterior Aluminum And Aluminum Alloy Walls .....	1.85	
For Work >15' To 20' Above Floor, Add	0.15	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.25	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.40	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.55	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.88	
For >100 To 250, Add	0.44	
For >250 To 500, Add	0.19	
For >2,500 To 5,000, Deduct	-0.09	
For >5,000 To 10,000, Deduct	-0.19	
For >10,000 To 20,000, Deduct	-0.28	
For >20,000, Deduct	-0.37	
09 91 13 00-0068 SF 1 Coat Primer, Sprayed, Paint Exterior Aluminum And Aluminum Alloy Walls .....	0.78	
For Work >15' To 20' Above Floor, Add	0.05	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.09	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.14	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.19	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.33	
For >100 To 250, Add	0.17	
For >250 To 500, Add	0.07	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.12	
For >20,000, Deduct	-0.16	
09 91 13 00-0069 SF 1 Coat Paint, Sprayed, Paint Exterior Aluminum And Aluminum Alloy Walls .....	0.89	
For Work >15' To 20' Above Floor, Add	0.07	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.12	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.18	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.25	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.41	
For >100 To 250, Add	0.20	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.13	
For >20,000, Deduct	-0.18	
09 91 13 00-0070 SF 2 Coats Paint, Sprayed, Paint Exterior Aluminum And Aluminum Alloy Walls .....	1.54	
For Work >15' To 20' Above Floor, Add	0.10	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.17	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.28	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.38	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.65	
For >100 To 250, Add	0.33	
For >250 To 500, Add	0.15	
For >2,500 To 5,000, Deduct	-0.08	
For >5,000 To 10,000, Deduct	-0.15	
For >10,000 To 20,000, Deduct	-0.23	
For >20,000, Deduct	-0.31	
<b>09 91 13 00-0071 Paint Exterior Aluminum And Aluminum Alloy Roof Stacks</b> (09 91 13 00-0050)		
09 91 13 00-0072 LF 1 Coat Primer, Paint Exterior Aluminum And Aluminum Alloy Roof Stack With Heat Resistant Paint, Per LF Of Stack.....	12.41	
For Work >15' To 20' Above Floor, Add	1.54	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	2.57	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	4.11	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	5.65	
Note: Applied only to work area above 40'.		
For Up To 100, Add	8.03	
For >100 To 250, Add	3.81	
For >250 To 500, Add	1.65	
For >2,500 To 5,000, Deduct	-0.62	
For >5,000 To 10,000, Deduct	-1.24	
For >10,000 To 20,000, Deduct	-1.86	
For >20,000, Deduct	-2.48	



<b>Finishes</b>	<b>09</b>	<b>09</b>
Painting and Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0073 LF 1 Coat Paint, Paint Exterior Aluminum And Aluminum Alloy Roof Stack With Heat Resistant Paint, Per LF Of Stack .....	13.82	
For Work >15' To 20' Above Floor, Add	1.71	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	2.86	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	4.57	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	6.29	
Note: Applied only to work area above 40'.		
For Up To 100, Add	8.93	
For >100 To 250, Add	4.24	
For >250 To 500, Add	1.83	
For >2,500 To 5,000, Deduct	-0.69	
For >5,000 To 10,000, Deduct	-1.38	
For >10,000 To 20,000, Deduct	-2.07	
For >20,000, Deduct	-2.76	
09 91 13 00-0074 LF 2 Coats Paint, Paint Exterior Aluminum And Aluminum Alloy Roof Stack With Heat Resistant Paint, Per LF Of Stack .....	25.74	
For Work >15' To 20' Above Floor, Add	3.22	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	5.37	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	8.59	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	11.81	
Note: Applied only to work area above 40'.		
For Up To 100, Add	16.75	
For >100 To 250, Add	7.94	
For >250 To 500, Add	3.44	
For >2,500 To 5,000, Deduct	-1.29	
For >5,000 To 10,000, Deduct	-2.57	
For >10,000 To 20,000, Deduct	-3.86	
For >20,000, Deduct	-5.15	
<b>09 91 13 00-0075 Paint Exterior Corrugated Metal Walls (09 91 13 00-0050) .....</b>	<b>0.87</b>	
09 91 13 00-0076 SF 1 Coat Primer, Sprayed, Paint Exterior Corrugated Metal Walls .....	0.87	
For Work >15' To 20' Above Floor, Add	0.06	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.10	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.15	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.21	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.36	
For >100 To 250, Add	0.18	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.13	
For >20,000, Deduct	-0.17	
09 91 13 00-0077 SF 1 Coat Paint, Sprayed, Paint Exterior Corrugated Metal Walls .....	1.10	
For Work >15' To 20' Above Floor, Add	0.09	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.15	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.24	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.34	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.53	
For >100 To 250, Add	0.26	
For >250 To 500, Add	0.12	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.11	
For >10,000 To 20,000, Deduct	-0.17	
For >20,000, Deduct	-0.22	
09 91 13 00-0078 SF 2 Coats Paint, Sprayed, Paint Exterior Corrugated Metal Walls .....	1.89	
For Work >15' To 20' Above Floor, Add	0.14	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.23	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.36	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.50	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.83	
For >100 To 250, Add	0.42	
For >250 To 500, Add	0.19	
For >2,500 To 5,000, Deduct	-0.09	
For >5,000 To 10,000, Deduct	-0.19	
For >10,000 To 20,000, Deduct	-0.28	
For >20,000, Deduct	-0.38	

**09 Finishes**

**09 90 Painting and Coating**

**09 91 Painting**



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

<b>09 91 13 00-0079</b>		<b>Paint Exterior Stucco Walls</b> <small>(09 91 13 00-0001)</small>	
09 91 13 00-0080	LF	1 Coat Paint, Cut-in Brush Work, Paint Exterior Stucco Wall Surfaces.....	0.23
		<i>For Oil Based Paint, Add</i>	0.01
		<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.03
		<i>Note: Applied only to work area above 15' to 20'.</i>	
		<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.05
		<i>Note: Applied only to work area above 20'.</i>	
		<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.07
		<i>Note: Applied only to work area above 30' to 40'.</i>	
		<i>For Work &gt;40' Above Floor, Add</i>	0.10
		<i>Note: Applied only to work area above 40'.</i>	
		<i>For Up To 100, Add</i>	0.14
		<i>For &gt;100 To 250, Add</i>	0.07
		<i>For &gt;250 To 500, Add</i>	0.03
		<i>For &gt;2,500 To 5,000, Deduct</i>	-0.01
		<i>For &gt;5,000 To 10,000, Deduct</i>	-0.02
		<i>For &gt;10,000 To 20,000, Deduct</i>	-0.03
		<i>For &gt;20,000, Deduct</i>	-0.05
09 91 13 00-0081	SF	1 Coat Primer, Brush Work, Paint Exterior Stucco Wall Surfaces.....	1.25
		<i>For Oil Based Paint, Add</i>	0.08
		<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.15
		<i>Note: Applied only to work area above 15' to 20'.</i>	
		<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.25
		<i>Note: Applied only to work area above 20'.</i>	
		<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.40
		<i>Note: Applied only to work area above 30' to 40'.</i>	
		<i>For Work &gt;40' Above Floor, Add</i>	0.55
		<i>Note: Applied only to work area above 40'.</i>	
		<i>For Up To 100, Add</i>	0.79
		<i>For &gt;100 To 250, Add</i>	0.38
		<i>For &gt;250 To 500, Add</i>	0.16
		<i>For &gt;2,500 To 5,000, Deduct</i>	-0.06
		<i>For &gt;5,000 To 10,000, Deduct</i>	-0.13
		<i>For &gt;10,000 To 20,000, Deduct</i>	-0.19
		<i>For &gt;20,000, Deduct</i>	-0.25
09 91 13 00-0082	SF	1 Coat Paint, Brush Work, Paint Exterior Stucco Wall Surfaces.....	1.39
		<i>For Oil Based Paint, Add</i>	0.08
		<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.16
		<i>Note: Applied only to work area above 15' to 20'.</i>	
		<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.27
		<i>Note: Applied only to work area above 20'.</i>	
		<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.44
		<i>Note: Applied only to work area above 30' to 40'.</i>	
		<i>For Work &gt;40' Above Floor, Add</i>	0.60
		<i>Note: Applied only to work area above 40'.</i>	
		<i>For Up To 100, Add</i>	0.86
		<i>For &gt;100 To 250, Add</i>	0.41
		<i>For &gt;250 To 500, Add</i>	0.18
		<i>For &gt;2,500 To 5,000, Deduct</i>	-0.07
		<i>For &gt;5,000 To 10,000, Deduct</i>	-0.14
		<i>For &gt;10,000 To 20,000, Deduct</i>	-0.21
		<i>For &gt;20,000, Deduct</i>	-0.28
09 91 13 00-0083	SF	2 Coats Paint, Brush Work, Paint Exterior Stucco Wall Surfaces.....	2.58
		<i>For Oil Based Paint, Add</i>	0.16
		<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.30
		<i>Note: Applied only to work area above 15' to 20'.</i>	
		<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.50
		<i>Note: Applied only to work area above 20'.</i>	
		<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.80
		<i>Note: Applied only to work area above 30' to 40'.</i>	
		<i>For Work &gt;40' Above Floor, Add</i>	1.09
		<i>Note: Applied only to work area above 40'.</i>	
		<i>For Up To 100, Add</i>	1.58
		<i>For &gt;100 To 250, Add</i>	0.76
		<i>For &gt;250 To 500, Add</i>	0.33
		<i>For &gt;2,500 To 5,000, Deduct</i>	-0.13
		<i>For &gt;5,000 To 10,000, Deduct</i>	-0.26
		<i>For &gt;10,000 To 20,000, Deduct</i>	-0.39
		<i>For &gt;20,000, Deduct</i>	-0.52
09 91 13 00-0084	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Stucco Walls.....	0.97
		<i>For Oil Based Paint, Add</i>	0.06
		<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.11
		<i>Note: Applied only to work area above 15' to 20'.</i>	
		<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.18
		<i>Note: Applied only to work area above 20'.</i>	
		<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.29
		<i>Note: Applied only to work area above 30' to 40'.</i>	
		<i>For Work &gt;40' Above Floor, Add</i>	0.40
		<i>Note: Applied only to work area above 40'.</i>	
		<i>For Up To 100, Add</i>	0.58
		<i>For &gt;100 To 250, Add</i>	0.28
		<i>For &gt;250 To 500, Add</i>	0.12
		<i>For &gt;2,500 To 5,000, Deduct</i>	-0.05
		<i>For &gt;5,000 To 10,000, Deduct</i>	-0.10
		<i>For &gt;10,000 To 20,000, Deduct</i>	-0.15
		<i>For &gt;20,000, Deduct</i>	-0.19





<b>Finishes</b>	<b>09</b>	<b>09</b>
Painting and Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0085 SF 1 Coat Paint, Brush/Roller Work, Paint Exterior Stucco Walls .....	1.10	
For Oil Based Paint, Add	0.07	
For Work >15' To 20' Above Floor, Add	0.12	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.20	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.32	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.44	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.65	
For >100 To 250, Add	0.31	
For >250 To 500, Add	0.14	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.11	
For >10,000 To 20,000, Deduct	-0.17	
For >20,000, Deduct	-0.22	
09 91 13 00-0086 SF 2 Coats Paint, Brush/Roller Work, Paint Exterior Stucco Walls .....	2.05	
For Oil Based Paint, Add	0.13	
For Work >15' To 20' Above Floor, Add	0.22	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.37	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.58	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.80	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.18	
For >100 To 250, Add	0.57	
For >250 To 500, Add	0.25	
For >2,500 To 5,000, Deduct	-0.10	
For >5,000 To 10,000, Deduct	-0.21	
For >10,000 To 20,000, Deduct	-0.31	
For >20,000, Deduct	-0.41	
09 91 13 00-0087 SF 1 Coat Primer, Sprayed, Paint Exterior Stucco Walls .....	0.78	
For Oil Based Paint, Add	0.05	
For Work >15' To 20' Above Floor, Add	0.07	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.12	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.19	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.26	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.41	
For >100 To 250, Add	0.20	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.12	
For >20,000, Deduct	-0.16	
09 91 13 00-0088 SF 1 Coat Paint, Sprayed, Paint Exterior Stucco Walls .....	0.96	
For Oil Based Paint, Add	0.07	
For Work >15' To 20' Above Floor, Add	0.09	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.15	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.23	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.32	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.49	
For >100 To 250, Add	0.24	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.10	
For >10,000 To 20,000, Deduct	-0.14	
For >20,000, Deduct	-0.19	
09 91 13 00-0089 SF 2 Coats Paint, Sprayed, Paint Exterior Stucco Walls .....	1.83	
For Oil Based Paint, Add	0.13	
For Work >15' To 20' Above Floor, Add	0.17	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.29	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.46	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.63	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.96	
For >100 To 250, Add	0.47	
For >250 To 500, Add	0.21	
For >2,500 To 5,000, Deduct	-0.09	
For >5,000 To 10,000, Deduct	-0.18	
For >10,000 To 20,000, Deduct	-0.27	
For >20,000, Deduct	-0.37	

09	<b>09 Finishes</b>
	<b>09 90 Painting and Coating</b>
	<b>09 91 Painting</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 91 13 00-0090	Paint Exterior Wood Siding <small>(09 91 13 00-0001)</small>		
09 91 13 00-0091	Paint Exterior Smooth Wood Siding <small>(09 91 13 00-0090)</small>		
	Note: Includes tongue and groove, beveled, drop or board and batten siding.		
09 91 13 00-0092	LF 1 Coat Paint, Cut-in Brush Work, Paint Exterior Wood Smooth Siding .....		0.18
	For Oil Based Paint, Add	0.01	
	For Work >15' To 20' Above Floor, Add	0.02	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.04	
	Note: Applied only to work area above 20'.		
	For Work >30' To 40' Above Floor, Add	0.06	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.08	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.11	
	For >100 To 250, Add	0.05	
	For >250 To 500, Add	0.02	
	For >2,500 To 5,000, Deduct	-0.01	
	For >5,000 To 10,000, Deduct	-0.02	
	For >10,000 To 20,000, Deduct	-0.03	
	For >20,000, Deduct	-0.04	
09 91 13 00-0093	SF 1 Coat Primer, Brush Work, Paint Exterior Wood Smooth Siding .....		1.09
	For Oil Based Paint, Add	0.07	
	For Work >15' To 20' Above Floor, Add	0.12	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.20	
	Note: Applied only to work area above 20'.		
	For Work >30' To 40' Above Floor, Add	0.32	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.43	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.64	
	For >100 To 250, Add	0.31	
	For >250 To 500, Add	0.13	
	For >2,500 To 5,000, Deduct	-0.05	
	For >5,000 To 10,000, Deduct	-0.11	
	For >10,000 To 20,000, Deduct	-0.16	
	For >20,000, Deduct	-0.22	
09 91 13 00-0094	SF 1 Coat Paint, Brush Work, Paint Exterior Wood Smooth Siding .....		1.12
	For Oil Based Paint, Add	0.07	
	For Work >15' To 20' Above Floor, Add	0.13	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.22	
	Note: Applied only to work area above 20'.		
	For Work >30' To 40' Above Floor, Add	0.35	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.48	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.69	
	For >100 To 250, Add	0.33	
	For >250 To 500, Add	0.14	
	For >2,500 To 5,000, Deduct	-0.06	
	For >5,000 To 10,000, Deduct	-0.11	
	For >10,000 To 20,000, Deduct	-0.17	
	For >20,000, Deduct	-0.22	
09 91 13 00-0095	SF 2 Coats Paint, Brush Work, Paint Exterior Wood Smooth Siding .....		2.03
	For Oil Based Paint, Add	0.13	
	For Work >15' To 20' Above Floor, Add	0.23	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.38	
	Note: Applied only to work area above 20'.		
	For Work >30' To 40' Above Floor, Add	0.61	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.84	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	1.22	
	For >100 To 250, Add	0.58	
	For >250 To 500, Add	0.25	
	For >2,500 To 5,000, Deduct	-0.10	
	For >5,000 To 10,000, Deduct	-0.20	
	For >10,000 To 20,000, Deduct	-0.30	
	For >20,000, Deduct	-0.41	



	<b>Finishes</b>	<b>09</b>
	Painting and Coating	09 90
	Painting	09 91

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0096 SF 1 Coat Primer, Brush/Roller Work, Paint Exterior Smooth Wood Siding.....	0.89	
For Oil Based Paint, Add	0.06	
For Work >15' To 20' Above Floor, Add	0.08	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.14	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.22	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.30	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.46	
For >100 To 250, Add	0.23	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.13	
For >20,000, Deduct	-0.18	
09 91 13 00-0097 SF 1 Coat Paint, Brush/Roller Work, Paint Exterior Smooth Wood Siding.....	0.95	
For Oil Based Paint, Add	0.06	
For Work >15' To 20' Above Floor, Add	0.10	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.16	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.26	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.36	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.53	
For >100 To 250, Add	0.26	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.10	
For >10,000 To 20,000, Deduct	-0.14	
For >20,000, Deduct	-0.19	
09 91 13 00-0098 SF 2 Coats Paint, Brush/Roller Work, Paint Exterior Smooth Wood Siding.....	1.79	
For Oil Based Paint, Add	0.12	
For Work >15' To 20' Above Floor, Add	0.18	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.30	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.48	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.66	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.99	
For >100 To 250, Add	0.48	
For >250 To 500, Add	0.21	
For >2,500 To 5,000, Deduct	-0.09	
For >5,000 To 10,000, Deduct	-0.18	
For >10,000 To 20,000, Deduct	-0.27	
For >20,000, Deduct	-0.36	
09 91 13 00-0099 SF 1 Coat Primer, Sprayed, Paint Exterior Smooth Wood Siding.....	0.76	
For Oil Based Paint, Add	0.06	
For Work >15' To 20' Above Floor, Add	0.06	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.11	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.17	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.23	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.37	
For >100 To 250, Add	0.18	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.11	
For >20,000, Deduct	-0.15	
09 91 13 00-0100 SF 1 Coat Paint, Sprayed, Paint Exterior Smooth Wood Siding.....	0.89	
For Oil Based Paint, Add	0.06	
For Work >15' To 20' Above Floor, Add	0.08	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.14	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.22	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.30	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.46	
For >100 To 250, Add	0.23	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.13	
For >20,000, Deduct	-0.18	

<b>09</b>	<b>09</b>	<b>Finishes</b>
	<b>09 90</b>	<b>Painting and Coating</b>
	<b>09 91</b>	<b>Painting</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0101 SF 2 Coats Paint, Sprayed, Paint Exterior Smooth Wood Siding.....	1.46	
For Oil Based Paint, Add	0.10	
For Work >15' To 20' Above Floor, Add	0.12	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.21	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.33	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.46	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.72	
For >100 To 250, Add	0.35	
For >250 To 500, Add	0.16	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.15	
For >10,000 To 20,000, Deduct	-0.22	
For >20,000, Deduct	-0.29	
<b>09 91 13 00-0102 Paint Exterior Rough Wood Siding</b> <small>(09 91 13 00-0090)</small>		
Note: Includes shingles, shakes or rough sawn siding.		
09 91 13 00-0103 SF 1 Coat Primer, Brush Work, Paint Exterior Wood Rough (Shingles, Shakes Or Rough Sawn) Siding.....	1.43	
For Oil Based Paint, Add	0.09	
For Work >15' To 20' Above Floor, Add	0.16	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.27	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.44	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.60	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.87	
For >100 To 250, Add	0.42	
For >250 To 500, Add	0.18	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.14	
For >10,000 To 20,000, Deduct	-0.21	
For >20,000, Deduct	-0.29	
09 91 13 00-0104 SF 1 Coat Paint, Brush Work, Paint Exterior Wood Rough (Shingles, Shakes Or Rough Sawn) Siding.....	1.39	
For Oil Based Paint, Add	0.08	
For Work >15' To 20' Above Floor, Add	0.17	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.29	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.46	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.63	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.89	
For >100 To 250, Add	0.42	
For >250 To 500, Add	0.18	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.14	
For >10,000 To 20,000, Deduct	-0.21	
For >20,000, Deduct	-0.28	
09 91 13 00-0105 SF 2 Coats Paint, Brush Work, Paint Exterior Wood Rough (Shingles, Shakes Or Rough Sawn) Siding.....	2.60	
For Oil Based Paint, Add	0.16	
For Work >15' To 20' Above Floor, Add	0.31	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.52	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.84	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	1.15	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.64	
For >100 To 250, Add	0.78	
For >250 To 500, Add	0.34	
For >2,500 To 5,000, Deduct	-0.13	
For >5,000 To 10,000, Deduct	-0.26	
For >10,000 To 20,000, Deduct	-0.39	
For >20,000, Deduct	-0.52	



<b>Finishes</b>	<b>09</b>	<b>09</b>
Painting and Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0106 SF 1 Coat Primer, Brush/Roller Work, Paint Exterior Rough Wood Siding (Shingles, Shakes Or Rough Sawn) .....	1.36	
For Oil Based Paint, Add	0.10	
For Work >15' To 20' Above Floor, Add	0.12	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.20	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.32	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.45	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.69	
For >100 To 250, Add	0.34	
For >250 To 500, Add	0.15	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.14	
For >10,000 To 20,000, Deduct	-0.20	
For >20,000, Deduct	-0.27	
09 91 13 00-0107 SF 1 Coat Paint, Brush/Roller Work, Paint Exterior Rough Wood Siding (Shingles, Shakes Or Rough Sawn) .....	1.46	
For Oil Based Paint, Add	0.10	
For Work >15' To 20' Above Floor, Add	0.14	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.23	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.36	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.50	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.77	
For >100 To 250, Add	0.37	
For >250 To 500, Add	0.16	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.15	
For >10,000 To 20,000, Deduct	-0.22	
For >20,000, Deduct	-0.29	
09 91 13 00-0108 SF 2 Coats Paint, Brush/Roller Work, Paint Exterior Rough Wood Siding (Shingles, Shakes Or Rough Sawn) .....	2.73	
For Oil Based Paint, Add	0.19	
For Work >15' To 20' Above Floor, Add	0.24	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.41	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.65	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.90	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.39	
For >100 To 250, Add	0.68	
For >250 To 500, Add	0.30	
For >2,500 To 5,000, Deduct	-0.14	
For >5,000 To 10,000, Deduct	-0.27	
For >10,000 To 20,000, Deduct	-0.41	
For >20,000, Deduct	-0.55	
09 91 13 00-0109 SF 1 Coat Primer, Sprayed, Paint Exterior Rough Wood Siding (Shingles, Shakes Or Rough Sawn) .....	1.04	
For Oil Based Paint, Add	0.08	
For Work >15' To 20' Above Floor, Add	0.09	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.15	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.23	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.32	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.50	
For >100 To 250, Add	0.25	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.10	
For >10,000 To 20,000, Deduct	-0.16	
For >20,000, Deduct	-0.21	
09 91 13 00-0110 SF 1 Coat Paint, Sprayed, Paint Exterior Rough Wood Siding (Shingles, Shakes Or Rough Sawn) .....	1.15	
For Oil Based Paint, Add	0.08	
For Work >15' To 20' Above Floor, Add	0.10	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.17	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.28	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.38	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.59	
For >100 To 250, Add	0.29	
For >250 To 500, Add	0.13	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.12	
For >10,000 To 20,000, Deduct	-0.17	
For >20,000, Deduct	-0.23	

**09 Finishes**

**09 90 Painting and Coating**

**09 91 Painting**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0111	SF		2 Coats Paint, Sprayed, Paint Exterior Rough Wood Siding (Shingles, Shakes Or Rough Sawn) .....	2.19	
			<i>For Oil Based Paint, Add</i>	0.16	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.19	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.32	
			<i>Note: Applied only to work area above 20'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.50	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	0.69	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	1.08	
			<i>For &gt;100 To 250, Add</i>	0.53	
			<i>For &gt;250 To 500, Add</i>	0.24	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.11	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.22	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.33	
			<i>For &gt;20,000, Deduct</i>	-0.44	
09 91 13 00-0112			<b>Paint Exterior Vinyl Siding (09 91 13 00-0001)</b>		
09 91 13 00-0113	LF		1 Coat Paint, Cut-in Brush Work, Paint Exterior Vinyl Siding .....	0.15	
			<i>For Oil Based Paint, Add</i>	0.01	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.02	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.03	
			<i>Note: Applied only to work area above 20'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.04	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	0.06	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.08	
			<i>For &gt;100 To 250, Add</i>	0.04	
			<i>For &gt;250 To 500, Add</i>	0.02	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.01	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.02	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.02	
			<i>For &gt;20,000, Deduct</i>	-0.03	
09 91 13 00-0114	SF		1 Coat Primer, Brush Work, Paint Exterior Vinyl Siding .....	0.84	
			<i>For Oil Based Paint, Add</i>	0.06	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.08	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.14	
			<i>Note: Applied only to work area above 20'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.22	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	0.30	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.45	
			<i>For &gt;100 To 250, Add</i>	0.22	
			<i>For &gt;250 To 500, Add</i>	0.10	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.04	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.08	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.13	
			<i>For &gt;20,000, Deduct</i>	-0.17	
09 91 13 00-0115	SF		1 Coat Paint, Brush Work, Paint Exterior Vinyl Siding .....	0.92	
			<i>For Oil Based Paint, Add</i>	0.06	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.09	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.16	
			<i>Note: Applied only to work area above 20'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.25	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	0.34	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.51	
			<i>For &gt;100 To 250, Add</i>	0.25	
			<i>For &gt;250 To 500, Add</i>	0.11	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.05	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.09	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.14	
			<i>For &gt;20,000, Deduct</i>	-0.18	



<b>Finishes</b>	<b>09</b>	<b>09</b>
Painting and Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0116 SF 2 Coats Paint, Brush Work, Paint Exterior Vinyl Siding .....	1.72	
For Oil Based Paint, Add	0.12	
For Work >15' To 20' Above Floor, Add	0.16	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.27	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.44	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.60	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.91	
For >100 To 250, Add	0.44	
For >250 To 500, Add	0.20	
For >2,500 To 5,000, Deduct	-0.09	
For >5,000 To 10,000, Deduct	-0.17	
For >10,000 To 20,000, Deduct	-0.26	
For >20,000, Deduct	-0.34	
09 91 13 00-0117 SF 1 Coat Primer, Brush/Roller Work, Paint Exterior Vinyl Siding.....	0.79	
For Oil Based Paint, Add	0.06	
For Work >15' To 20' Above Floor, Add	0.07	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.11	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.18	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.25	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.39	
For >100 To 250, Add	0.19	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.12	
For >20,000, Deduct	-0.16	
09 91 13 00-0118 SF 1 Coat Paint, Brush/Roller Work, Paint Exterior Vinyl Siding.....	0.79	
For Oil Based Paint, Add	0.06	
For Work >15' To 20' Above Floor, Add	0.07	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.11	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.18	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.25	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.39	
For >100 To 250, Add	0.19	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.12	
For >20,000, Deduct	-0.16	
09 91 13 00-0119 SF 2 Coats Paint, Brush/Roller Work, Paint Exterior Vinyl Siding.....	1.49	
For Oil Based Paint, Add	0.11	
For Work >15' To 20' Above Floor, Add	0.12	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.20	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.32	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.45	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.71	
For >100 To 250, Add	0.35	
For >250 To 500, Add	0.16	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.15	
For >10,000 To 20,000, Deduct	-0.22	
For >20,000, Deduct	-0.30	
09 91 13 00-0120 SF 1 Coat Primer, Sprayed, Paint Exterior Vinyl Siding.....	0.77	
For Oil Based Paint, Add	0.06	
For Work >15' To 20' Above Floor, Add	0.05	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.09	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.14	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.19	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.33	
For >100 To 250, Add	0.16	
For >250 To 500, Add	0.07	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.12	
For >20,000, Deduct	-0.15	

<b>09</b>	<b>09 Finishes</b>
	<b>09 90 Painting and Coating</b>
	<b>09 91 Painting</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0121 SF 1 Coat Paint, Sprayed, Paint Exterior Vinyl Siding.....	0.90	
For Oil Based Paint, Add	0.07	
For Work >15' To 20' Above Floor, Add	0.05	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.09	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.14	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.19	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.35	
For >100 To 250, Add	0.18	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.14	
For >20,000, Deduct	-0.18	
09 91 13 00-0122 SF 2 Coats Paint, Sprayed, Paint Exterior Vinyl Siding.....	1.75	
For Oil Based Paint, Add	0.14	
For Work >15' To 20' Above Floor, Add	0.10	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.17	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.28	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.38	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.68	
For >100 To 250, Add	0.35	
For >250 To 500, Add	0.16	
For >2,500 To 5,000, Deduct	-0.09	
For >5,000 To 10,000, Deduct	-0.18	
For >10,000 To 20,000, Deduct	-0.26	
For >20,000, Deduct	-0.35	
<b>09 91 13 00-0123 Paint Exterior Ceilings (09 91 13)</b>		
<b>09 91 13 00-0124 Paint Exterior Concrete Ceilings (09 91 13 00-0123)</b>		
09 91 13 00-0125 LF 1 Coat Paint, Cut-in Brush Work, Paint Exterior Concrete Ceiling.....	0.15	
For Oil Based Paint, Add	0.01	
For Epoxy Paint, Add	0.02	
For Work >15' To 20' Above Floor, Add	0.02	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.03	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.05	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.07	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.09	
For >100 To 250, Add	0.05	
For >250 To 500, Add	0.02	
For >2,500 To 5,000, Deduct	-0.01	
For >5,000 To 10,000, Deduct	-0.02	
For >10,000 To 20,000, Deduct	-0.02	
For >20,000, Deduct	-0.03	
09 91 13 00-0126 SF 1 Coat Filler, Brush Work, Paint Exterior Concrete Ceiling.....	0.84	
For Oil Based Paint, Add	0.05	
For Epoxy Paint, Add	0.11	
For Work >15' To 20' Above Floor, Add	0.09	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.16	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.25	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.35	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.50	
For >100 To 250, Add	0.24	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.13	
For >20,000, Deduct	-0.17	





<b>Finishes</b>	<b>09</b>	<b>09</b>
Painting and Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0127 SF 1 Coat Paint, Brush Work, Paint Exterior Concrete Ceiling .....	0.89	
For Oil Based Paint, Add	0.05	
For Epoxy Paint, Add	0.10	
For Work >15' To 20' Above Floor, Add	0.11	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.18	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.29	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.40	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.57	
For >100 To 250, Add	0.27	
For >250 To 500, Add	0.12	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.13	
For >20,000, Deduct	-0.18	
09 91 13 00-0128 SF 2 Coats Paint, Brush Work, Paint Exterior Concrete Ceiling.....	1.60	
For Oil Based Paint, Add	0.10	
For Epoxy Paint, Add	0.18	
For Work >15' To 20' Above Floor, Add	0.19	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.32	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.50	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.69	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.00	
For >100 To 250, Add	0.48	
For >250 To 500, Add	0.21	
For >2,500 To 5,000, Deduct	-0.08	
For >5,000 To 10,000, Deduct	-0.16	
For >10,000 To 20,000, Deduct	-0.24	
For >20,000, Deduct	-0.32	
09 91 13 00-0129 SF 1 Coat Filler, Brush/Roller Work, Paint Exterior Concrete Ceiling.....	0.67	
For Oil Based Paint, Add	0.04	
For Epoxy Paint, Add	0.10	
For Work >15' To 20' Above Floor, Add	0.07	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.12	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.18	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.25	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.38	
For >100 To 250, Add	0.18	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.10	
For >20,000, Deduct	-0.13	
09 91 13 00-0130 SF 1 Coat Paint, Brush/Roller Work, Paint Exterior Concrete Ceiling .....	0.71	
For Oil Based Paint, Add	0.04	
For Epoxy Paint, Add	0.09	
For Work >15' To 20' Above Floor, Add	0.08	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.14	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.22	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.30	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.43	
For >100 To 250, Add	0.21	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.11	
For >20,000, Deduct	-0.14	

**09 Finishes**

**09 90 Painting and Coating**

**09 91 Painting**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0131	SF		2 Coats Paint, Brush/Roller Work, Paint Exterior Concrete Ceiling .....	1.34	
			For Oil Based Paint, Add	0.08	
			For Epoxy Paint, Add	0.17	
			For Work >15' To 20' Above Floor, Add	0.15	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.25	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.40	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.55	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.80	
			For >100 To 250, Add	0.38	
			For >250 To 500, Add	0.17	
			For >2,500 To 5,000, Deduct	-0.07	
			For >5,000 To 10,000, Deduct	-0.13	
			For >10,000 To 20,000, Deduct	-0.20	
			For >20,000, Deduct	-0.27	
09 91 13 00-0132	SF		1 Coat Filler, Sprayed, Paint Exterior Concrete Ceiling .....	0.60	
			For Oil Based Paint, Add	0.04	
			For Epoxy Paint, Add	0.11	
			For Work >15' To 20' Above Floor, Add	0.05	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.09	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.14	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.19	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.30	
			For >100 To 250, Add	0.15	
			For >250 To 500, Add	0.07	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.06	
			For >10,000 To 20,000, Deduct	-0.09	
			For >20,000, Deduct	-0.12	
09 91 13 00-0133	SF		1 Coat Paint, Sprayed, Paint Exterior Concrete Ceiling .....	0.67	
			For Oil Based Paint, Add	0.04	
			For Epoxy Paint, Add	0.10	
			For Work >15' To 20' Above Floor, Add	0.07	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.12	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.18	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.25	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.38	
			For >100 To 250, Add	0.18	
			For >250 To 500, Add	0.08	
			For >2,500 To 5,000, Deduct	-0.03	
			For >5,000 To 10,000, Deduct	-0.07	
			For >10,000 To 20,000, Deduct	-0.10	
			For >20,000, Deduct	-0.13	
09 91 13 00-0134	SF		2 Coats Paint, Sprayed, Paint Exterior Concrete Ceiling .....	1.11	
			For Oil Based Paint, Add	0.08	
			For Epoxy Paint, Add	0.18	
			For Work >15' To 20' Above Floor, Add	0.10	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.17	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.28	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.38	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.58	
			For >100 To 250, Add	0.28	
			For >250 To 500, Add	0.12	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.11	
			For >10,000 To 20,000, Deduct	-0.17	
			For >20,000, Deduct	-0.22	

09 91 13 00-0135 Paint Exterior Wood Ceilings (09 91 13 00-0123)  
 09 91 13 00-0136 Paint Exterior Smooth Wood Ceilings (09 91 13 00-0135)



<b>Finishes</b>	<b>09</b>	<b>09</b>
Painting and Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0137 LF 1 Coat Paint, Cut-in Brush Work, Paint Exterior Wood Smooth Ceiling.....	0.17	
For Oil Based Paint, Add	0.01	
For Work >15' To 20' Above Floor, Add	0.02	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.03	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.05	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.07	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.10	
For >100 To 250, Add	0.05	
For >250 To 500, Add	0.02	
For >2,500 To 5,000, Deduct	-0.01	
For >5,000 To 10,000, Deduct	-0.02	
For >10,000 To 20,000, Deduct	-0.03	
For >20,000, Deduct	-0.03	
09 91 13 00-0138 SF 1 Coat Primer, Brush Work, Paint Exterior Wood Smooth Ceiling.....	1.05	
For Oil Based Paint, Add	0.07	
For Work >15' To 20' Above Floor, Add	0.11	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.19	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.30	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.41	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.61	
For >100 To 250, Add	0.29	
For >250 To 500, Add	0.13	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.11	
For >10,000 To 20,000, Deduct	-0.16	
For >20,000, Deduct	-0.21	
09 91 13 00-0139 SF 1 Coat Paint, Brush Work, Paint Exterior Wood Smooth Ceiling.....	1.06	
For Oil Based Paint, Add	0.07	
For Work >15' To 20' Above Floor, Add	0.12	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.20	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.32	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.45	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.65	
For >100 To 250, Add	0.31	
For >250 To 500, Add	0.13	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.11	
For >10,000 To 20,000, Deduct	-0.16	
For >20,000, Deduct	-0.21	
09 91 13 00-0140 SF 2 Coats Paint, Brush Work, Paint Exterior Wood Smooth Ceiling.....	1.97	
For Oil Based Paint, Add	0.12	
For Work >15' To 20' Above Floor, Add	0.22	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.37	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.58	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.80	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.17	
For >100 To 250, Add	0.56	
For >250 To 500, Add	0.24	
For >2,500 To 5,000, Deduct	-0.10	
For >5,000 To 10,000, Deduct	-0.20	
For >10,000 To 20,000, Deduct	-0.30	
For >20,000, Deduct	-0.39	
09 91 13 00-0141 SF 1 Coat Primer, Brush/Roller Work, Paint Exterior Smooth Wood Ceiling.....	0.89	
For Oil Based Paint, Add	0.06	
For Work >15' To 20' Above Floor, Add	0.08	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.14	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.22	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.30	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.46	
For >100 To 250, Add	0.23	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.13	
For >20,000, Deduct	-0.18	

**09 Finishes**

**09 90 Painting and Coating**

**09 91 Painting**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0142	SF	1	Coat Paint, Brush/Roller Work, Paint Exterior Smooth Wood Ceiling .....	0.93	
			<i>For Oil Based Paint, Add</i>	0.06	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.09	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.16	
			<i>Note: Applied only to work area above 20'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.25	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	0.35	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.52	
			<i>For &gt;100 To 250, Add</i>	0.25	
			<i>For &gt;250 To 500, Add</i>	0.11	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.05	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.09	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.14	
			<i>For &gt;20,000, Deduct</i>	-0.19	
09 91 13 00-0143	SF	2	Coats Paint, Brush/Roller Work, Paint Exterior Smooth Wood Ceiling .....	1.68	
			<i>For Oil Based Paint, Add</i>	0.11	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.16	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.27	
			<i>Note: Applied only to work area above 20'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.44	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	0.60	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.91	
			<i>For &gt;100 To 250, Add</i>	0.44	
			<i>For &gt;250 To 500, Add</i>	0.19	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.08	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.17	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.25	
			<i>For &gt;20,000, Deduct</i>	-0.34	
09 91 13 00-0144	SF	1	Coat Primer, Sprayed, Paint Exterior Smooth Wood Ceiling .....	0.71	
			<i>For Oil Based Paint, Add</i>	0.05	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.07	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.12	
			<i>Note: Applied only to work area above 20'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.18	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	0.25	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.38	
			<i>For &gt;100 To 250, Add</i>	0.19	
			<i>For &gt;250 To 500, Add</i>	0.08	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.04	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.07	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.11	
			<i>For &gt;20,000, Deduct</i>	-0.14	
09 91 13 00-0145	SF	1	Coat Paint, Sprayed, Paint Exterior Smooth Wood Ceiling .....	0.71	
			<i>For Oil Based Paint, Add</i>	0.05	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.07	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.12	
			<i>Note: Applied only to work area above 20'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.18	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	0.25	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.38	
			<i>For &gt;100 To 250, Add</i>	0.19	
			<i>For &gt;250 To 500, Add</i>	0.08	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.04	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.07	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.11	
			<i>For &gt;20,000, Deduct</i>	-0.14	
09 91 13 00-0146	SF	2	Coats Paint, Sprayed, Paint Exterior Smooth Wood Ceiling .....	1.31	
			<i>For Oil Based Paint, Add</i>	0.09	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.12	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.20	
			<i>Note: Applied only to work area above 20'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.32	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	0.44	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.68	
			<i>For &gt;100 To 250, Add</i>	0.33	
			<i>For &gt;250 To 500, Add</i>	0.15	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.07	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.13	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.20	
			<i>For &gt;20,000, Deduct</i>	-0.26	



<b>Finishes</b>	<b>09</b>	<b>09</b>
Painting and Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>09 91 13 00-0147</b> <b>Paint Exterior Rough Wood Ceilings</b> <small>(09 91 13 00-0135)</small>		
09 91 13 00-0148    SF    1 Coat Primer, Brush Work, Paint Exterior Wood Rough Ceiling.....	1.56	
For Oil Based Paint, Add	0.10	
For Work >15' To 20' Above Floor, Add	0.17	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.29	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.46	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.63	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.92	
For >100 To 250, Add	0.44	
For >250 To 500, Add	0.19	
For >2,500 To 5,000, Deduct	-0.08	
For >5,000 To 10,000, Deduct	-0.16	
For >10,000 To 20,000, Deduct	-0.23	
For >20,000, Deduct	-0.31	
09 91 13 00-0149    SF    1 Coat Paint, Brush Work, Paint Exterior Wood Rough Ceiling.....	1.52	
For Oil Based Paint, Add	0.09	
For Work >15' To 20' Above Floor, Add	0.19	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.32	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.51	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.70	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.99	
For >100 To 250, Add	0.47	
For >250 To 500, Add	0.20	
For >2,500 To 5,000, Deduct	-0.08	
For >5,000 To 10,000, Deduct	-0.15	
For >10,000 To 20,000, Deduct	-0.23	
For >20,000, Deduct	-0.30	
09 91 13 00-0150    SF    2 Coats Paint, Brush Work, Paint Exterior Wood Rough Ceiling.....	2.69	
For Oil Based Paint, Add	0.16	
For Work >15' To 20' Above Floor, Add	0.33	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.55	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.87	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	1.20	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.71	
For >100 To 250, Add	0.81	
For >250 To 500, Add	0.35	
For >2,500 To 5,000, Deduct	-0.13	
For >5,000 To 10,000, Deduct	-0.27	
For >10,000 To 20,000, Deduct	-0.40	
For >20,000, Deduct	-0.54	
09 91 13 00-0151    SF    1 Coat Primer, Brush/Roller Work, Paint Exterior Rough Wood Ceiling.....	1.46	
For Oil Based Paint, Add	0.10	
For Work >15' To 20' Above Floor, Add	0.14	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.23	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.36	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.50	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.77	
For >100 To 250, Add	0.37	
For >250 To 500, Add	0.16	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.15	
For >10,000 To 20,000, Deduct	-0.22	
For >20,000, Deduct	-0.29	
09 91 13 00-0152    SF    1 Coat Paint, Brush/Roller Work, Paint Exterior Rough Wood Ceiling.....	1.55	
For Oil Based Paint, Add	0.11	
For Work >15' To 20' Above Floor, Add	0.15	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.25	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.40	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.55	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.83	
For >100 To 250, Add	0.41	
For >250 To 500, Add	0.18	
For >2,500 To 5,000, Deduct	-0.08	
For >5,000 To 10,000, Deduct	-0.16	
For >10,000 To 20,000, Deduct	-0.23	
For >20,000, Deduct	-0.31	

**09 Finishes**

**09 90 Painting and Coating**

**09 91 Painting**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0153	SF		2 Coats Paint, Brush/Roller Work, Paint Exterior Rough Wood Ceiling.....	2.81	
			<i>For Oil Based Paint, Add</i>	0.20	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.26	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.43	
			<i>Note: Applied only to work area above 20'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.68	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	0.94	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	1.45	
			<i>For &gt;100 To 250, Add</i>	0.71	
			<i>For &gt;250 To 500, Add</i>	0.31	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.14	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.28	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.42	
			<i>For &gt;20,000, Deduct</i>	-0.56	
09 91 13 00-0154	SF		1 Coat Primer, Sprayed, Paint Exterior Rough Wood Ceiling.....	1.14	
			<i>For Oil Based Paint, Add</i>	0.08	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.10	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.17	
			<i>Note: Applied only to work area above 20'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.27	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	0.37	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.58	
			<i>For &gt;100 To 250, Add</i>	0.28	
			<i>For &gt;250 To 500, Add</i>	0.13	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.06	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.11	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.17	
			<i>For &gt;20,000, Deduct</i>	-0.23	
09 91 13 00-0155	SF		1 Coat Paint, Sprayed, Paint Exterior Rough Wood Ceiling.....	1.25	
			<i>For Oil Based Paint, Add</i>	0.09	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.12	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.20	
			<i>Note: Applied only to work area above 20'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.32	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	0.43	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.66	
			<i>For &gt;100 To 250, Add</i>	0.32	
			<i>For &gt;250 To 500, Add</i>	0.14	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.06	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.13	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.19	
			<i>For &gt;20,000, Deduct</i>	-0.25	
09 91 13 00-0156	SF		2 Coats Paint, Sprayed, Paint Exterior Rough Wood Ceiling.....	2.31	
			<i>For Oil Based Paint, Add</i>	0.16	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.21	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.35	
			<i>Note: Applied only to work area above 20'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.55	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	0.76	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	1.17	
			<i>For &gt;100 To 250, Add</i>	0.58	
			<i>For &gt;250 To 500, Add</i>	0.25	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.12	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.23	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.35	
			<i>For &gt;20,000, Deduct</i>	-0.46	

09 91 13 00-0157 Paint Exterior Metal Ceilings (09 91 13 00-0123)

09 91 13 00-0158 Paint Exterior Galvanized Ceilings (09 91 13 00-0157)  
 Note: Linseed oil or acrylic latex paint.



<b>Finishes</b>	<b>09</b>	<b>09</b>
Painting and Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0159 SF 1 Coat Primer, Brush Work, Paint Exterior Galvanized Ceiling.....	1.09	
For Work >15' To 20' Above Floor, Add	0.11	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.18	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.29	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.40	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.60	
For >100 To 250, Add	0.29	
For >250 To 500, Add	0.13	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.11	
For >10,000 To 20,000, Deduct	-0.16	
For >20,000, Deduct	-0.22	
09 91 13 00-0160 SF 1 Coat Paint, Brush Work, Paint Exterior Galvanized Ceiling.....	1.18	
For Work >15' To 20' Above Floor, Add	0.12	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.20	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.32	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.45	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.66	
For >100 To 250, Add	0.32	
For >250 To 500, Add	0.14	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.12	
For >10,000 To 20,000, Deduct	-0.18	
For >20,000, Deduct	-0.24	
09 91 13 00-0161 SF 2 Coats Paint, Brush Work, Paint Exterior Galvanized Ceiling.....	2.18	
For Work >15' To 20' Above Floor, Add	0.22	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.36	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.58	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.80	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.20	
For >100 To 250, Add	0.58	
For >250 To 500, Add	0.25	
For >2,500 To 5,000, Deduct	-0.11	
For >5,000 To 10,000, Deduct	-0.22	
For >10,000 To 20,000, Deduct	-0.33	
For >20,000, Deduct	-0.44	
09 91 13 00-0162 SF 1 Coat Primer, Brush/Roller Work, Paint Exterior Galvanized Ceiling.....	0.84	
For Work >15' To 20' Above Floor, Add	0.08	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.14	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.22	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.30	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.45	
For >100 To 250, Add	0.22	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.13	
For >20,000, Deduct	-0.17	
09 91 13 00-0163 SF 1 Coat Paint, Brush/Roller Work, Paint Exterior Galvanized Ceiling.....	0.93	
For Work >15' To 20' Above Floor, Add	0.09	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.16	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.25	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.35	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.52	
For >100 To 250, Add	0.25	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.14	
For >20,000, Deduct	-0.19	

**09 Finishes**

**09 90 Painting and Coating**

**09 91 Painting**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0164	SF		2 Coats Paint, Brush/Roller Work, Paint Exterior Galvanized Ceiling.....	1.70	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.16	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.27	
			<i>Note: Applied only to work area above 20'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.44	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	0.60	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.91	
			<i>For &gt;100 To 250, Add</i>	0.44	
			<i>For &gt;250 To 500, Add</i>	0.19	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.09	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.17	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.26	
			<i>For &gt;20,000, Deduct</i>	-0.34	
09 91 13 00-0165	SF		1 Coat Primer, Sprayed, Paint Exterior Galvanized Ceiling.....	0.89	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.07	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.12	
			<i>Note: Applied only to work area above 20'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.18	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	0.25	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.41	
			<i>For &gt;100 To 250, Add</i>	0.20	
			<i>For &gt;250 To 500, Add</i>	0.09	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.04	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.09	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.13	
			<i>For &gt;20,000, Deduct</i>	-0.18	
09 91 13 00-0166	SF		1 Coat Paint, Sprayed, Paint Exterior Galvanized Ceiling.....	0.99	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.08	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.14	
			<i>Note: Applied only to work area above 20'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.22	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	0.31	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.48	
			<i>For &gt;100 To 250, Add</i>	0.24	
			<i>For &gt;250 To 500, Add</i>	0.11	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.05	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.10	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.15	
			<i>For &gt;20,000, Deduct</i>	-0.20	
09 91 13 00-0167	SF		2 Coats Paint, Sprayed, Paint Exterior Galvanized Ceiling.....	1.65	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.12	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.20	
			<i>Note: Applied only to work area above 20'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.32	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	0.44	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.73	
			<i>For &gt;100 To 250, Add</i>	0.37	
			<i>For &gt;250 To 500, Add</i>	0.16	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.08	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.17	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.25	
			<i>For &gt;20,000, Deduct</i>	-0.33	
09 91 13 00-0168			<b>Paint Exterior Aluminum And Aluminum Alloy Ceilings</b> <small>(09 91 13 00-0157)</small>		
			<i>Note: Alkyd enamel paint.</i>		
09 91 13 00-0169	SF		1 Coat Primer, Brush Work, Paint Exterior Aluminum And Aluminum Alloy Ceiling.....	1.09	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.11	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.18	
			<i>Note: Applied only to work area above 20'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.29	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	0.40	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.60	
			<i>For &gt;100 To 250, Add</i>	0.29	
			<i>For &gt;250 To 500, Add</i>	0.13	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.05	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.11	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.16	
			<i>For &gt;20,000, Deduct</i>	-0.22	





<b>Finishes</b>	<b>09</b>	<b>09</b>
Painting and Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0170 SF 1 Coat Paint, Brush Work, Paint Exterior Aluminum And Aluminum Alloy Ceiling .....	1.18	
For Work >15' To 20' Above Floor, Add	0.12	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.20	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.32	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.45	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.66	
For >100 To 250, Add	0.32	
For >250 To 500, Add	0.14	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.12	
For >10,000 To 20,000, Deduct	-0.18	
For >20,000, Deduct	-0.24	
09 91 13 00-0171 SF 2 Coats Paint, Brush Work, Paint Exterior Aluminum And Aluminum Alloy Ceiling .....	2.18	
For Work >15' To 20' Above Floor, Add	0.22	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.36	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.58	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.80	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.20	
For >100 To 250, Add	0.58	
For >250 To 500, Add	0.25	
For >2,500 To 5,000, Deduct	-0.11	
For >5,000 To 10,000, Deduct	-0.22	
For >10,000 To 20,000, Deduct	-0.33	
For >20,000, Deduct	-0.44	
09 91 13 00-0172 SF 1 Coat Primer, Brush/Roller Work, Paint Exterior Aluminum And Aluminum Alloy Ceiling .....	0.97	
For Work >15' To 20' Above Floor, Add	0.08	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.14	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.22	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.30	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.47	
For >100 To 250, Add	0.23	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.10	
For >10,000 To 20,000, Deduct	-0.15	
For >20,000, Deduct	-0.19	
09 91 13 00-0173 SF 1 Coat Paint, Brush/Roller Work, Paint Exterior Aluminum And Aluminum Alloy Ceiling.....	1.06	
For Work >15' To 20' Above Floor, Add	0.09	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.16	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.25	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.35	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.54	
For >100 To 250, Add	0.26	
For >250 To 500, Add	0.12	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.11	
For >10,000 To 20,000, Deduct	-0.16	
For >20,000, Deduct	-0.21	
09 91 13 00-0174 SF 2 Coats Paint, Brush/Roller Work, Paint Exterior Aluminum And Aluminum Alloy Ceiling .....	1.94	
For Work >15' To 20' Above Floor, Add	0.16	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.27	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.44	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.60	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.95	
For >100 To 250, Add	0.47	
For >250 To 500, Add	0.21	
For >2,500 To 5,000, Deduct	-0.10	
For >5,000 To 10,000, Deduct	-0.19	
For >10,000 To 20,000, Deduct	-0.29	
For >20,000, Deduct	-0.39	

**09 Finishes**

**09 90 Painting and Coating**

**09 91 Painting**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0175	SF		1 Coat Primer, Sprayed, Paint Exterior Aluminum And Aluminum Alloy Ceiling .....	0.89	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.07	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.12	
			<i>Note: Applied only to work area above 20'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.18	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	0.25	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.41	
			<i>For &gt;100 To 250, Add</i>	0.20	
			<i>For &gt;250 To 500, Add</i>	0.09	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.04	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.09	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.13	
			<i>For &gt;20,000, Deduct</i>	-0.18	
09 91 13 00-0176	SF		1 Coat Paint, Sprayed, Paint Exterior Aluminum And Aluminum Alloy Ceiling.....	0.89	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.07	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.12	
			<i>Note: Applied only to work area above 20'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.18	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	0.25	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.41	
			<i>For &gt;100 To 250, Add</i>	0.20	
			<i>For &gt;250 To 500, Add</i>	0.09	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.04	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.09	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.13	
			<i>For &gt;20,000, Deduct</i>	-0.18	
09 91 13 00-0177	SF		2 Coats Paint, Sprayed, Paint Exterior Aluminum And Aluminum Alloy Ceiling.....	1.65	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.12	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.20	
			<i>Note: Applied only to work area above 20'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.32	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	0.44	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.73	
			<i>For &gt;100 To 250, Add</i>	0.37	
			<i>For &gt;250 To 500, Add</i>	0.16	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.08	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.17	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.25	
			<i>For &gt;20,000, Deduct</i>	-0.33	
09 91 13 00-0178			<b>Paint Exterior Corrugated Metal Ceilings</b> (09 91 13 00-0157)		
09 91 13 00-0179	SF		1 Coat Primer, Sprayed, Paint Exterior Corrugated Metal Ceiling .....	0.98	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.07	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.12	
			<i>Note: Applied only to work area above 20'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.20	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	0.27	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.44	
			<i>For &gt;100 To 250, Add</i>	0.22	
			<i>For &gt;250 To 500, Add</i>	0.10	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.05	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.10	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.15	
			<i>For &gt;20,000, Deduct</i>	-0.20	
09 91 13 00-0180	SF		1 Coat Paint, Sprayed, Paint Exterior Corrugated Metal Ceiling.....	1.10	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.09	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.15	
			<i>Note: Applied only to work area above 20'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.24	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	0.34	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.53	
			<i>For &gt;100 To 250, Add</i>	0.26	
			<i>For &gt;250 To 500, Add</i>	0.12	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.06	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.11	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.17	
			<i>For &gt;20,000, Deduct</i>	-0.22	



<b>Finishes</b>	<b>09</b>	<b>09</b>
Painting and Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0181 SF 2 Coats Paint, Sprayed, Paint Exterior Corrugated Metal Ceiling.....	2.04	
For Work >15' To 20' Above Floor, Add	0.16	
Note: Applied only to work area above 15' to 20'		
For Work >20' To 30' Above Floor, Add	0.27	
Note: Applied only to work area above 20'		
For Work >30' To 40' Above Floor, Add	0.42	
Note: Applied only to work area above 30' to 40'		
For Work >40' Above Floor, Add	0.58	
Note: Applied only to work area above 40'		
For Up To 100, Add	0.94	
For >100 To 250, Add	0.47	
For >250 To 500, Add	0.21	
For >2,500 To 5,000, Deduct	-0.10	
For >5,000 To 10,000, Deduct	-0.20	
For >10,000 To 20,000, Deduct	-0.31	
For >20,000, Deduct	-0.41	
 09 91 13 00-0182 Paint Exterior Floors (09 91 13)		
09 91 13 00-0183 Paint Exterior Concrete Floors (09 91 13 00-0182)		
09 91 13 00-0184 LF 1 Coat Paint, Cut-in Brush Work, Paint Exterior Concrete Floors And Decks.....	0.12	
For Up To 100, Add	0.07	
For >100 To 250, Add	0.03	
For >250 To 500, Add	0.02	
For >2,500 To 5,000, Deduct	-0.01	
For >5,000 To 10,000, Deduct	-0.01	
For >10,000 To 20,000, Deduct	-0.02	
For >20,000, Deduct	-0.02	
09 91 13 00-0185 SF 1 Coat Primer, Brush Work, Paint Exterior Concrete Floors And Decks.....	0.66	
For Oil Based Paint, Add	0.04	
For Epoxy Paint, Add	0.10	
For Up To 100, Add	0.37	
For >100 To 250, Add	0.18	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.10	
For >20,000, Deduct	-0.13	
09 91 13 00-0186 SF 1 Coat Paint, Brush Work, Paint Exterior Concrete Floors And Decks.....	0.71	
For Oil Based Paint, Add	0.04	
For Epoxy Paint, Add	0.09	
For Up To 100, Add	0.43	
For >100 To 250, Add	0.21	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.11	
For >20,000, Deduct	-0.14	
09 91 13 00-0187 SF 2 Coats Paint, Brush Work, Paint Exterior Concrete Floors And Decks.....	1.34	
For Oil Based Paint, Add	0.08	
For Epoxy Paint, Add	0.17	
For Up To 100, Add	0.80	
For >100 To 250, Add	0.38	
For >250 To 500, Add	0.17	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.13	
For >10,000 To 20,000, Deduct	-0.20	
For >20,000, Deduct	-0.27	
09 91 13 00-0188 SF 1 Coat Primer, Brush/Roller Work, Paint Exterior Concrete Floors And Decks.....	0.57	
For Oil Based Paint, Add	0.04	
For Epoxy Paint, Add	0.09	
For Up To 100, Add	0.30	
For >100 To 250, Add	0.15	
For >250 To 500, Add	0.06	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.09	
For >20,000, Deduct	-0.11	
09 91 13 00-0189 SF 1 Coat Paint, Brush/Roller Work, Paint Exterior Concrete Floors And Decks.....	0.62	
For Oil Based Paint, Add	0.04	
For Epoxy Paint, Add	0.08	
For Up To 100, Add	0.36	
For >100 To 250, Add	0.17	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.09	
For >20,000, Deduct	-0.12	

**09 Finishes**

**09 90 Painting and Coating**

**09 91 Painting**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0190	SF		2 Coats Paint, Brush/Roller Work, Paint Exterior Concrete Floors And Decks .....	1.05	
			<i>For Oil Based Paint, Add</i>	0.07	
			<i>For Epoxy Paint, Add</i>	0.15	
			<i>For Up To 100, Add</i>	0.58	
			<i>For &gt;100 To 250, Add</i>	0.28	
			<i>For &gt;250 To 500, Add</i>	0.12	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.05	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.11	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.16	
			<i>For &gt;20,000, Deduct</i>	-0.21	
09 91 13 00-0191	SF		1 Coat Primer, Sprayed, Paint Exterior Concrete Floors And Decks .....	0.48	
			<i>For Oil Based Paint, Add</i>	0.04	
			<i>For Epoxy Paint, Add</i>	0.10	
			<i>For Up To 100, Add</i>	0.21	
			<i>For &gt;100 To 250, Add</i>	0.11	
			<i>For &gt;250 To 500, Add</i>	0.05	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.02	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.05	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.07	
			<i>For &gt;20,000, Deduct</i>	-0.10	
09 91 13 00-0192	SF		1 Coat Paint, Sprayed, Paint Exterior Concrete Floors And Decks.....	0.56	
			<i>For Oil Based Paint, Add</i>	0.04	
			<i>For Epoxy Paint, Add</i>	0.09	
			<i>For Up To 100, Add</i>	0.29	
			<i>For &gt;100 To 250, Add</i>	0.14	
			<i>For &gt;250 To 500, Add</i>	0.06	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.03	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.06	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.08	
			<i>For &gt;20,000, Deduct</i>	-0.11	
09 91 13 00-0193	SF		2 Coats Paint, Sprayed, Paint Exterior Concrete Floors And Decks.....	1.00	
			<i>For Oil Based Paint, Add</i>	0.07	
			<i>For Epoxy Paint, Add</i>	0.18	
			<i>For Up To 100, Add</i>	0.50	
			<i>For &gt;100 To 250, Add</i>	0.25	
			<i>For &gt;250 To 500, Add</i>	0.11	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.05	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.10	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.15	
			<i>For &gt;20,000, Deduct</i>	-0.20	
09 91 13 00-0194	SF		1 Coat Non-Slip Paint, Brush/Roller Work, Paint Exterior Concrete Floors And Decks .....	2.03	
			<i>For Up To 100, Add</i>	0.57	
			<i>For &gt;100 To 250, Add</i>	0.32	
			<i>For &gt;250 To 500, Add</i>	0.15	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.10	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.20	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.30	
			<i>For &gt;20,000, Deduct</i>	-0.41	
09 91 13 00-0195	SF		1 Coat Anti-Slip Paint, Single Component Epoxy Coating, Brush/Roller Work, Paint Exterior Concrete Floors And Decks.....	5.08	
			<i>For Up To 100, Add</i>	1.03	
			<i>For &gt;100 To 250, Add</i>	0.62	
			<i>For &gt;250 To 500, Add</i>	0.30	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.25	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.51	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.76	
			<i>For &gt;20,000, Deduct</i>	-1.02	
09 91 13 00-0196	SF		1 Coat Anti-Slip Paint, High Performance Epoxy Coating, Brush/Roller Work, Paint Exterior Concrete Floors And Decks.....	6.36	
			<i>For Up To 100, Add</i>	1.22	
			<i>For &gt;100 To 250, Add</i>	0.75	
			<i>For &gt;250 To 500, Add</i>	0.36	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.32	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.64	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.95	
			<i>For &gt;20,000, Deduct</i>	-1.27	
<b>09 91 13 00-0197</b>			<b>Paint Exterior Wood Floors</b> <small>(09 91 13 00-0182)</small> .....	<b>0.14</b>	
09 91 13 00-0198	LF		1 Coat Paint, Cut-in Brush Work, Paint Exterior Wood Floors And Decks.....	0.14	
			<i>For Up To 100, Add</i>	0.08	
			<i>For &gt;100 To 250, Add</i>	0.04	
			<i>For &gt;250 To 500, Add</i>	0.02	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.01	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.01	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.02	
			<i>For &gt;20,000, Deduct</i>	-0.03	
09 91 13 00-0199	SF		1 Coat Primer, Brush Work, Paint Exterior Wood Floors And Decks.....	0.85	
			<i>For Oil Based Paint, Add</i>	0.06	
			<i>For Up To 100, Add</i>	0.46	
			<i>For &gt;100 To 250, Add</i>	0.22	
			<i>For &gt;250 To 500, Add</i>	0.10	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.04	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.09	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.13	
			<i>For &gt;20,000, Deduct</i>	-0.17	



<b>Finishes</b>	<b>09</b>	<b>09</b>
Painting and Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0200 SF 1 Coat Paint, Brush Work, Paint Exterior Wood Floors And Decks .....	0.88	
For Oil Based Paint, Add	0.06	
For Up To 100, Add	0.51	
For >100 To 250, Add	0.25	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.09	
For >10,000 To 20,000, Deduct	-0.13	
For >20,000, Deduct	-0.18	
09 91 13 00-0201 SF 2 Coats Paint, Brush Work, Paint Exterior Wood Floors And Decks.....	1.68	
For Oil Based Paint, Add	0.11	
For Up To 100, Add	0.95	
For >100 To 250, Add	0.46	
For >250 To 500, Add	0.20	
For >2,500 To 5,000, Deduct	-0.08	
For >5,000 To 10,000, Deduct	-0.17	
For >10,000 To 20,000, Deduct	-0.25	
For >20,000, Deduct	-0.34	
09 91 13 00-0202 SF 1 Coat Primer, Brush/Roller Work, Paint Exterior Wood Floors And Decks.....	0.80	
For Oil Based Paint, Add	0.06	
For Up To 100, Add	0.40	
For >100 To 250, Add	0.20	
For >250 To 500, Add	0.09	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.12	
For >20,000, Deduct	-0.16	
09 91 13 00-0203 SF 1 Coat Paint, Brush/Roller Work, Paint Exterior Wood Floors And Decks .....	0.84	
For Oil Based Paint, Add	0.06	
For Up To 100, Add	0.45	
For >100 To 250, Add	0.22	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.13	
For >20,000, Deduct	-0.17	
09 91 13 00-0204 SF 2 Coats Paint, Brush/Roller Work, Paint Exterior Wood Floors And Decks .....	1.40	
For Oil Based Paint, Add	0.10	
For Up To 100, Add	0.70	
For >100 To 250, Add	0.34	
For >250 To 500, Add	0.15	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.14	
For >10,000 To 20,000, Deduct	-0.21	
For >20,000, Deduct	-0.28	
09 91 13 00-0205 SF 1 Coat Primer, Sprayed, Paint Exterior Wood Floors And Decks .....	0.60	
For Oil Based Paint, Add	0.04	
For Up To 100, Add	0.30	
For >100 To 250, Add	0.15	
For >250 To 500, Add	0.07	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.09	
For >20,000, Deduct	-0.12	
09 91 13 00-0206 SF 1 Coat Paint, Sprayed, Paint Exterior Wood Floors And Decks.....	0.71	
For Oil Based Paint, Add	0.05	
For Up To 100, Add	0.38	
For >100 To 250, Add	0.19	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.11	
For >20,000, Deduct	-0.14	
09 91 13 00-0207 SF 2 Coats Paint, Sprayed, Paint Exterior Wood Floors And Decks.....	1.20	
For Oil Based Paint, Add	0.09	
For Up To 100, Add	0.59	
For >100 To 250, Add	0.29	
For >250 To 500, Add	0.13	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.12	
For >10,000 To 20,000, Deduct	-0.18	
For >20,000, Deduct	-0.24	
09 91 13 00-0208 SF 1 Coat Non-Slip Paint, Brush Work, Paint Exterior Wood Floors And Decks.....	2.13	
For Up To 100, Add	0.65	
For >100 To 250, Add	0.35	
For >250 To 500, Add	0.16	
For >2,500 To 5,000, Deduct	-0.11	
For >5,000 To 10,000, Deduct	-0.21	
For >10,000 To 20,000, Deduct	-0.32	
For >20,000, Deduct	-0.43	

**09 Finishes**

**09 90 Painting and Coating**

**09 91 Painting**



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0209 SF 1 Coat Non-Slip Epoxy Paint, Brush Work, Paint Exterior Wood Floors And Decks.....	6.46	
For Up To 100, Add	1.30	
For >100 To 250, Add	0.78	
For >250 To 500, Add	0.38	
For >2,500 To 5,000, Deduct	-0.32	
For >5,000 To 10,000, Deduct	-0.65	
For >10,000 To 20,000, Deduct	-0.97	
For >20,000, Deduct	-1.29	
<b>09 91 13 00-0210 Paint Metal Surfaces (09 91 13)</b>		
Note: Tasks can be used for exterior or interior applications.		
<b>09 91 13 00-0211 Paint Structural Steel (09 91 13 00-0210)</b>		
<b>09 91 13 00-0212 Paint Structural Steel, Brush Work (09 91 13 00-0211)</b>		
09 91 13 00-0213 SF 1 Field Coat Primer, Brush/Roller Work, Paint Exterior Structural Steel.....	0.90	
For Up To 100, Add	0.53	
For >100 To 250, Add	0.26	
For >250 To 500, Add	0.11	
For Epoxy Paint, Add	0.12	
09 91 13 00-0214 SF 1 Field Coat Paint, Brush/Roller Work, Paint Exterior Structural Steel.....	0.80	
For Up To 100, Add	0.46	
For >100 To 250, Add	0.22	
For >250 To 500, Add	0.10	
For Epoxy Paint, Add	0.11	
<b>09 91 13 00-0215 Paint Structural Steel, Spray Work (09 91 13 00-0211)</b>		
09 91 13 00-0216 SF 1 Field Coat Primer, Sprayed, Paint Exterior Structural Steel.....	0.71	
For Electrostatic Painting, Add	0.11	
For Up To 100, Add	0.39	
For >100 To 250, Add	0.19	
For >250 To 500, Add	0.08	
For Epoxy Paint, Add	0.11	
09 91 13 00-0217 SF 1 Field Coat Paint, Sprayed, Paint Exterior Structural Steel.....	0.60	
For Electrostatic Painting, Add	0.10	
For Up To 100, Add	0.31	
For >100 To 250, Add	0.15	
For >250 To 500, Add	0.07	
For Epoxy Paint, Add	0.10	
<b>09 91 13 00-0218 Paint Metal Decking, Beams And Bar Joist (09 91 13 00-0211)</b>		
09 91 13 00-0219 SF 1 Coat Primer, Sprayed, Paint Exposed Metal Decking.....	0.79	
For Up To 100, Add	0.45	
For >100 To 250, Add	0.22	
For >250 To 500, Add	0.09	
For Epoxy Paint, Add	0.11	
09 91 13 00-0220 SF 1 Coat Paint, Sprayed, Paint Exposed Metal Decking.....	0.79	
For Up To 100, Add	0.45	
For >100 To 250, Add	0.22	
For >250 To 500, Add	0.09	
For Epoxy Paint, Add	0.11	
09 91 13 00-0221 SF 2 Coats Paint, Sprayed, Paint Exposed Metal Decking.....	1.36	
For Up To 100, Add	0.73	
For >100 To 250, Add	0.35	
For >250 To 500, Add	0.16	
For Epoxy Paint, Add	0.22	
09 91 13 00-0222 SF 1 Coat Primer, Brush/Roller Work, Paint Metal Beams And Bar Joists.....	1.16	
For Up To 100, Add	0.59	
For >100 To 250, Add	0.29	
For >250 To 500, Add	0.13	
For Epoxy Paint, Add	0.20	
09 91 13 00-0223 SF 1 Coat Paint, Brush/Roller Work, Paint Metal Beams And Bar Joists.....	1.11	
For Up To 100, Add	0.59	
For >100 To 250, Add	0.29	
For >250 To 500, Add	0.13	
For Epoxy Paint, Add	0.18	
09 91 13 00-0224 SF 2 Coats Paint, Brush/Roller Work, Paint Metal Beams And Bar Joists.....	2.13	
For Up To 100, Add	1.10	
For >100 To 250, Add	0.54	
For >250 To 500, Add	0.24	
For Epoxy Paint, Add	0.36	
09 91 13 00-0225 SF 1 Coat Primer, Sprayed, Paint Metal Beams And Bar Joists.....	1.00	
For Up To 100, Add	0.53	
For >100 To 250, Add	0.26	
For >250 To 500, Add	0.11	
For Epoxy Paint, Add	0.16	
09 91 13 00-0226 SF 1 Coat Paint, Sprayed, Paint Metal Beams And Bar Joists.....	1.00	
For Up To 100, Add	0.53	
For >100 To 250, Add	0.26	
For >250 To 500, Add	0.11	
For Epoxy Paint, Add	0.16	



<b>Finishes</b>	<b>09</b>	<b>09</b>
Painting and Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0227 SF 2 Coats Paint, Sprayed, Paint Metal Beams And Bar Joists.....	1.71	
For Up To 100, Add	0.86	
For >100 To 250, Add	0.42	
For >250 To 500, Add	0.19	
For Epoxy Paint, Add	0.30	
<b>09 91 13 00-0228 Paint Steel Pipes</b> (09 91 13 00-0210)		
Note: Includes pipe, tubes, rails, conduit, etc.		
09 91 13 00-0229 LF 1 Coat Primer, 1/2" To 1-1/2" Diameter, Paint Conduit Or Steel Pipe.....	1.50	
For Electrostatic Painting, Add	0.21	
For Epoxy Paint, Add	0.19	
09 91 13 00-0230 LF 1 Coat Primer, 2" To 3-1/2" Diameter, Paint Conduit Or Steel Pipe.....	1.69	
For Electrostatic Painting, Add	0.23	
For Epoxy Paint, Add	0.21	
09 91 13 00-0231 LF 1 Coat Primer, 4" Diameter, Paint Steel Pipes.....	1.89	
For Electrostatic Painting, Add	0.26	
For Epoxy Paint, Add	0.24	
09 91 13 00-0232 LF 1 Coat Primer, 6" To 8" Diameter, Paint Steel Pipes.....	2.37	
For Electrostatic Painting, Add	0.33	
For Epoxy Paint, Add	0.30	
09 91 13 00-0233 LF 1 Coat Primer, 10" To 12" Diameter, Paint Steel Pipes.....	2.99	
For Electrostatic Painting, Add	0.41	
For Epoxy Paint, Add	0.37	
09 91 13 00-0234 LF 1 Coat Paint, 1/2" To 1-1/2" Diameter, Paint Conduit Or Steel Pipe.....	1.50	
For Electrostatic Painting, Add	0.21	
For Epoxy Paint, Add	0.19	
09 91 13 00-0235 LF 1 Coat Paint, 2" To 3-1/2" Diameter, Paint Conduit Or Steel Pipe.....	1.69	
For Electrostatic Painting, Add	0.23	
For Epoxy Paint, Add	0.21	
09 91 13 00-0236 LF 1 Coat Paint, 4" Diameter, Paint Steel Pipes.....	1.89	
For Electrostatic Painting, Add	0.26	
For Epoxy Paint, Add	0.24	
09 91 13 00-0237 LF 1 Coat Paint, 6" To 8" Diameter, Paint Steel Pipes.....	2.37	
For Electrostatic Painting, Add	0.33	
For Epoxy Paint, Add	0.30	
09 91 13 00-0238 LF 1 Coat Paint, 10" To 12" Diameter, Paint Steel Pipes.....	2.99	
For Electrostatic Painting, Add	0.41	
For Epoxy Paint, Add	0.37	
09 91 13 00-0239 LF 2 Coats Paint, 1/2" To 1-1/2" Diameter, Paint Conduit Or Steel Pipe.....	3.12	
For Electrostatic Painting, Add	0.46	
For Epoxy Paint, Add	0.44	
09 91 13 00-0240 LF 2 Coats Paint, 2" To 3-1/2" Diameter, Paint Conduit Or Steel Pipe.....	3.36	
For Electrostatic Painting, Add	0.46	
For Epoxy Paint, Add	0.42	
09 91 13 00-0241 LF 2 Coats Paint, 4" Diameter, Paint Steel Pipes.....	3.66	
For Electrostatic Painting, Add	0.51	
For Epoxy Paint, Add	0.47	
09 91 13 00-0242 LF 2 Coats Paint, 6" To 8" Diameter, Paint Steel Pipes.....	4.60	
For Electrostatic Painting, Add	0.64	
For Epoxy Paint, Add	0.58	
09 91 13 00-0243 LF 2 Coats Paint, 10" To 12" Diameter, Paint Steel Pipes.....	5.68	
For Electrostatic Painting, Add	0.79	
For Epoxy Paint, Add	0.73	
09 91 13 00-0244 EA 1 Coat Paint, Paint Exposed Single Or Double Gang Outlet Box.....	6.89	
For Electrostatic Painting, Add	0.74	
For Epoxy Paint, Add	0.46	
<b>09 91 13 00-0245 Paint Metal Louvers</b> (09 91 13 00-0210)		
09 91 13 00-0246 SF 1 Coat Primer, Brush/Roller Work, Paint Ventilation Louver, SF Of Opening Area.....	1.20	
For Electrostatic Painting, Add	0.15	
09 91 13 00-0247 SF 1 Coat Alkyd Paint, Brush/Roller Work, Paint Ventilation Louver, SF Of Opening Area.....	1.22	
For Electrostatic Painting, Add	0.16	
09 91 13 00-0248 SF 2 Coats Alkyd Paint, Brush/Roller Work, Paint Ventilation Louver, SF Of Opening Area.....	2.52	
For Electrostatic Painting, Add	0.33	
<b>09 91 13 00-0249 Paint Ladders</b> (09 91 13 00-0210)		
09 91 13 00-0250 LF 1 Coat Alkyd Primer, Brush/Roller Work, Paint Ladders.....	3.13	
For Epoxy Paint, Add	0.21	
09 91 13 00-0251 LF 1 Coat Alkyd Enamel Paint, Brush/Roller Work, Paint Ladders.....	3.49	
For Epoxy Paint, Add	0.23	
09 91 13 00-0252 LF 2 Coats Alkyd Enamel Paint, Brush/Roller Work, Paint Ladders.....	6.83	
For Epoxy Paint, Add	0.41	
<b>09 91 13 00-0253 Paint Handrails</b> (09 91 13 00-0210)		
09 91 13 00-0254 LF 1 Coat Alkyd Primer, Brush/Roller Work, 1 Rail, Paint Hand Rail And Bracket.....	1.29	
For Epoxy Paint, Add	0.12	
09 91 13 00-0255 LF 1 Coat Alkyd Enamel Paint, Brush/Roller Work, 1 Rail, Paint Hand Rail And Bracket.....	1.42	
For Epoxy Paint, Add	0.13	
09 91 13 00-0256 LF 2 Coats Alkyd Enamel Paint, Brush/Roller Work, 1 Rail, Paint Hand Rail And Bracket.....	2.30	
For Epoxy Paint, Add	0.17	

**09 Finishes**  
**09 90 Painting and Coating**  
**09 91 Painting**



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0257 LF 1 Coat Alkyd Primer, Brush/Roller Work, 1 Rail, Paint Pipe Rail And Pickets..... <i>For Epoxy Paint, Add</i>	2.54 0.39	
09 91 13 00-0258 LF 1 Coat Alkyd Enamel Paint, Brush/Roller Work, 1 Rail, Paint Pipe Rail And Pickets..... <i>For Epoxy Paint, Add</i>	2.75 0.40	
09 91 13 00-0259 LF 2 Coats Alkyd Enamel Paint, Brush/Roller Work, 1 Rail, Paint Pipe Rail And Pickets..... <i>For Epoxy Paint, Add</i>	4.64 0.62	
09 91 13 00-0260 LF 1 Coat Alkyd Primer, Brush/Roller Work, 2 Rails, Paint Pipe Rail And Pickets..... <i>For Epoxy Paint, Add</i>	2.71 0.39	
09 91 13 00-0261 LF 1 Coat Alkyd Enamel Paint, Brush/Roller Work, 2 Rails, Paint Pipe Rail And Pickets..... <i>For Epoxy Paint, Add</i>	2.94 0.41	
09 91 13 00-0262 LF 2 Coats Alkyd Enamel Paint, Brush/Roller Work, 2 Rails, Paint Pipe Rail And Pickets..... <i>For Epoxy Paint, Add</i>	4.89 0.63	
09 91 13 00-0263 LF 1 Coat Alkyd Primer, Brush/Roller Work, Paint Balustrades..... <i>For Epoxy Paint, Add</i>	1.50 0.20	
09 91 13 00-0264 LF 1 Coat Alkyd Enamel Paint, Brush/Roller Work, Paint Balustrades..... <i>For Epoxy Paint, Add</i>	1.63 0.21	
09 91 13 00-0265 LF 2 Coats Alkyd Enamel Paint, Brush/Roller Work, Paint Balustrades..... <i>For Epoxy Paint, Add</i>	2.99 0.40	
<b>09 91 13 00-0266 Paint Grating (09 91 13 00-0210)</b>		
09 91 13 00-0267 SF 1 Coat Primer, Brush/Roller Work, Paint Gratings And Frames..... <i>For Epoxy Paint, Add</i>	2.31 0.17	
09 91 13 00-0268 SF 1 Coat Paint, Brush/Roller Work, Paint Gratings And Frames..... <i>For Epoxy Paint, Add</i>	2.36 0.19	
09 91 13 00-0269 SF 2 Coats Paint, Brush/Roller Work, Paint Gratings And Frames..... <i>For Epoxy Paint, Add</i>	3.58 0.32	
<b>09 91 13 00-0270 Equipment And Tanks (09 91 13 00-0210)</b>		
<b>09 91 13 00-0271 Paint Valves (09 91 13 00-0270)</b> Note: Includes 1 coat primer and 1 coat paint finish		
09 91 13 00-0272 EA Prime And Paint 4" And Smaller Valve.....	25.69	
09 91 13 00-0273 EA Prime And Paint 6" To 10" Valve.....	31.77	
09 91 13 00-0274 EA Prime And Paint 12" To 18" Valve.....	41.57	
09 91 13 00-0275 EA Prime And Paint 20" To 24" Valve.....	55.10	
09 91 13 00-0276 EA Prime And Paint >24" To 36" Valve.....	74.70	
09 91 13 00-0277 EA Prime And Paint >36" To 48" Valve.....	102.75	
<b>09 91 13 00-0278 Paint Pumps And Motors (09 91 13 00-0270)</b> Note: Includes 1 coat primer and 1 coat paint finish		
09 91 13 00-0279 EA Prime And Paint Pump Under 1 HP.....	79.43	
09 91 13 00-0280 EA Prime And Paint Pump, 1 HP To 5 HP.....	106.12	
09 91 13 00-0281 EA Prime And Paint Pump, >5 HP To 10 HP.....	129.10	
09 91 13 00-0282 EA Prime And Paint Pump, >10 HP To 20 HP.....	146.00	
09 91 13 00-0283 EA Prime And Paint Pump, >20 HP To 30 HP.....	170.34	
09 91 13 00-0284 EA Prime And Paint Pump, >30 HP To 50 HP.....	194.67	
09 91 13 00-0285 EA Prime And Paint Pump, >50 HP To 75 HP.....	215.28	
09 91 13 00-0286 EA Prime And Paint Pump, >75 HP.....	243.33	
<b>09 91 13 00-0287 Paint Storage Tanks (09 91 13 00-0270)</b>		
09 91 13 00-0288 SF 1 Coat Primer, Roller, Paint Storage Tank, Exterior Surface.....	1.05	
09 91 13 00-0289 SF 1 Coat Paint, Roller, Paint Storage Tank, Exterior Surface.....	1.41	
09 91 13 00-0290 SF 2 Coats Paint, Roller, Paint Storage Tank, Exterior Surface.....	2.70	
09 91 13 00-0291 SF 1 Coat Primer, Roller, Paint Storage Tank, Interior Surface.....	1.36	
09 91 13 00-0292 SF 1 Coat Paint, Roller, Paint Storage Tank, Interior Surface.....	1.76	
09 91 13 00-0293 SF 2 Coats Paint, Roller, Paint Storage Tank, Interior Surface.....	3.39	
09 91 13 00-0294 SF 1 Coat Primer, Sprayed, Paint Storage Tank, Exterior Surface.....	1.18	
09 91 13 00-0295 SF 1 Coat Paint, Sprayed, Paint Storage Tank, Exterior Surface.....	1.49	
09 91 13 00-0296 SF 2 Coats Paint, Sprayed, Paint Storage Tank, Exterior Surface.....	2.90	
09 91 13 00-0297 SF 1 Coat Primer, Sprayed, Paint Storage Tank, Interior Surface.....	1.34	
09 91 13 00-0298 SF 1 Coat Paint, Sprayed, Paint Storage Tank, Interior Surface.....	1.78	
09 91 13 00-0299 SF 2 Coats Paint, Sprayed, Paint Storage Tank, Interior Surface.....	3.45	
<b>09 91 13 00-0300 Other Site Work Painting (09 91 13)</b>		
<b>09 91 13 00-0301 Paint Fencing (09 91 13 00-0300)</b> Note: Per side of fence. Based on gross fence area (length of fence x height of fence).		
09 91 13 00-0302 SF 1 Coat Paint, Brush/Roller, Paint Existing Chain Link Fence..... <i>For Epoxy Paint, Add</i> <i>For Up To 100, Add</i> <i>For &gt;100 To 250, Add</i> <i>For &gt;250 To 500, Add</i>	0.76 0.10 0.44 0.21 0.09	
09 91 13 00-0303 SF 2 Coats Paint, Brush/Roller, Paint Existing Chain Link Fence..... <i>For Epoxy Paint, Add</i> <i>For Up To 100, Add</i> <i>For &gt;100 To 250, Add</i> <i>For &gt;250 To 500, Add</i>	1.44 0.20 0.82 0.40 0.17	





<b>Finishes</b>	<b>09</b>	<b>09</b>
Painting and Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0304 SF 1 Coat Paint, Sprayed, Paint Existing Chain Link Fence .....	0.73	
For Epoxy Paint, Add	0.12	
For Electrostatic Painting, Add	0.11	
For Up To 100, Add	0.39	
For >100 To 250, Add	0.19	
For >250 To 500, Add	0.08	
09 91 13 00-0305 SF 2 Coats Paint, Sprayed, Paint Existing Chain Link Fence .....	1.36	
For Epoxy Paint, Add	0.23	
For Electrostatic Painting, Add	0.22	
For Up To 100, Add	0.70	
For >100 To 250, Add	0.34	
For >250 To 500, Add	0.15	
09 91 13 00-0306 SF 1 Coat Primer, Brush/Roller, Paint Wrought Iron Fence .....	0.72	
For Epoxy Paint, Add	0.12	
For Up To 100, Add	0.38	
For >100 To 250, Add	0.18	
For >250 To 500, Add	0.08	
09 91 13 00-0307 SF 1 Coat Paint, Brush/Roller, Paint Wrought Iron Fence .....	0.66	
For Epoxy Paint, Add	0.10	
For Up To 100, Add	0.37	
For >100 To 250, Add	0.18	
For >250 To 500, Add	0.08	
09 91 13 00-0308 SF Each Additional Coat, Brush/Roller, Paint Wrought Iron Fence .....	0.49	
For Epoxy Paint, Add	0.09	
For Up To 100, Add	0.24	
For >100 To 250, Add	0.12	
For >250 To 500, Add	0.05	
09 91 13 00-0309 SF 1 Coat Primer, Brush/Roller, Paint Picket Fence .....	0.85	
For Epoxy Paint, Add	0.08	
For Up To 100, Add	0.56	
For >100 To 250, Add	0.27	
For >250 To 500, Add	0.11	
09 91 13 00-0310 SF 1 Coat Paint, Brush/Roller, Paint Picket Fence .....	0.85	
For Epoxy Paint, Add	0.08	
For Up To 100, Add	0.56	
For >100 To 250, Add	0.27	
For >250 To 500, Add	0.11	
09 91 13 00-0311 SF Each Additional Coat, Brush/Roller, Paint Picket Fence .....	0.62	
For Epoxy Paint, Add	0.07	
For Up To 100, Add	0.39	
For >100 To 250, Add	0.18	
For >250 To 500, Add	0.08	
09 91 13 00-0312 SF 1 Coat Paint, Brush/Roller, Paint Wood Fences .....	0.66	
For Up To 100, Add	0.37	
For >100 To 250, Add	0.18	
For >250 To 500, Add	0.08	
09 91 13 00-0313 SF 2 Coats Paint, Brush/Roller, Paint Wood Fences .....	1.20	
For Up To 100, Add	0.65	
For >100 To 250, Add	0.32	
For >250 To 500, Add	0.14	
09 91 13 00-0314 SF 1 Coat Paint, Sprayed, Paint Wood Fences .....	0.56	
For Up To 100, Add	0.29	
For >100 To 250, Add	0.14	
For >250 To 500, Add	0.06	
09 91 13 00-0315 SF 2 Coats Paint, Sprayed, Paint Wood Fences .....	1.04	
For Up To 100, Add	0.53	
For >100 To 250, Add	0.26	
For >250 To 500, Add	0.11	
<b>09 91 13 00-0316 Paint Flagpoles (09 91 13 00-0300)</b>		
09 91 13 00-0317 EA 1 Coat Paint, 20' High, Paint Steel Flagpole .....	219.17	
09 91 13 00-0318 EA 1 Coat Paint, 30' High, Paint Steel Flagpole .....	295.93	
09 91 13 00-0319 EA 1 Coat Paint, 40' High, Paint Steel Flagpole .....	372.73	
09 91 13 00-0320 EA 1 Coat Paint, 50' High, Paint Steel Flagpole .....	449.55	
09 91 13 00-0321 EA 1 Coat Paint, 70' High, Paint Steel Flagpole .....	596.48	
09 91 13 00-0322 EA 1 Coat Paint, 80' High, Paint Steel Flagpole .....	672.45	
09 91 13 00-0323 EA 1 Coat Paint, 90' High, Paint Steel Flagpole .....	748.44	
<b>09 91 13 00-0324 Paint Lattice Or Trellis (09 91 13 00-0300)</b>		
09 91 13 00-0325 SF 1 Coat Paint, Sprayed, Per Side, Paint Wood Lattice Or Trellis .....	1.31	
For Up To 100, Add	0.86	
For >100 To 250, Add	0.41	
For >250 To 500, Add	0.18	
09 91 13 00-0326 SF 2 Coats Paint, Sprayed, Per Side, Paint Wood Lattice Or Trellis .....	2.44	
For Up To 100, Add	1.58	
For >100 To 250, Add	0.75	
For >250 To 500, Add	0.32	
<b>09 91 13 00-0327 Paint Exterior Stairs (09 91 13)</b>		
<b>09 91 13 00-0328 Paint Exterior Concrete Stairs (09 91 13 00-0327)</b>		
09 91 13 00-0329 RSR 1 Coat Primer, Brush/Roller Work, Paint Exterior Concrete Stair (To 4' Wide) .....	13.56	

**09 Finishes**

**09 90 Painting and Coating**

**09 91 Painting**



MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
09 91 13 00-0330	RSR	1 Coat Alkyd Enamel Paint, Brush/Roller Work, Paint Exterior Concrete Stair (To 4' Wide).....	13.56	
09 91 13 00-0331	RSR	1 Coat Non-Slip Paint, Brush/Roller Work, Paint Exterior Concrete Stair (To 4' Wide).....	19.54	
09 91 13 00-0332	RSR	1 Coat Non-Slip Epoxy Paint, Brush/Roller Work, Paint Exterior Concrete Stair (To 4' Wide).....	36.86	
09 91 13 00-0333	RSR	2 Coats Alkyd Enamel Paint, Brush/Roller Work, Paint Exterior Concrete Stair (To 4' Wide).....	27.12	
<b>09 91 13 00-0334</b>		<b>Paint Exterior Metal Stairs</b> <small>(09 91 13 00-0327)</small>		
09 91 13 00-0335	RSR	1 Coat Primer, Brush/Roller Work, Paint Exterior Metal Stair (To 4' Wide).....	7.33	
		<i>For Oil Based Paint, Add</i>	0.41	
09 91 13 00-0336	RSR	1 Coat Alkyd Enamel Paint, Brush/Roller Work, Paint Exterior Metal Stair (To 4' Wide).....	7.33	
		<i>For Oil Based Paint, Add</i>	0.41	
09 91 13 00-0337	RSR	2 Coats Alkyd Enamel Paint, Brush/Roller Work, Paint Exterior Metal Stair (To 4' Wide).....	14.66	
		<i>For Oil Based Paint, Add</i>	0.82	
<b>09 91 13 00-0338</b>		<b>Paint Exterior Wood Stairs</b> <small>(09 91 13 00-0327)</small>		
09 91 13 00-0339	RSR	1 Coat Primer, Brush/Roller Work, Paint Exterior Wood Stair (To 4' Wide).....	7.14	
09 91 13 00-0340	RSR	1 Coat Alkyd Enamel Paint, Brush/Roller Work, Paint Exterior Wood Stair (To 4' Wide).....	7.14	
09 91 13 00-0341	RSR	1 Coat Non-Slip Paint, Brush/Roller Work, Paint Exterior Wood Stair (To 4' Wide).....	13.12	
09 91 13 00-0342	RSR	1 Coat Non-Slip Epoxy Paint, Brush/Roller Work, Paint Exterior Wood Stair (To 4' Wide).....	30.44	
09 91 13 00-0343	RSR	2 Coats Alkyd Enamel Paint, Brush/Roller Work, Paint Exterior Wood Stair (To 4' Wide).....	14.28	
<b>09 91 13 00-0344</b>		<b>Paint Exterior Stair Nosing</b> <small>(09 91 13 00-0327)</small>		
09 91 13 00-0345	LF	1 Coat Paint, Up To 2", Non-Slip, Brush Work, Paint Exterior Yellow Stair Safety Strip.....	1.39	
<b>09 91 13 00-0346</b>		<b>Paint Exterior Trim</b> <small>(09 91 13)</small>		
<b>09 91 13 00-0347</b>		<b>Paint Exterior Metal Trim And Gutters</b> <small>(09 91 13 00-0346)</small>		
09 91 13 00-0348	SF	1 Coat Primer, Brush Work, Paint Exterior Exposed Metal Trim.....	0.99	
		<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.11	
		<i>Note: Applied only to work area above 15' to 20'.</i>		
		<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.19	
		<i>Note: Applied only to work area above 20'.</i>		
		<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.30	
		<i>Note: Applied only to work area above 30' to 40'.</i>		
		<i>For Work &gt;40' Above Floor, Add</i>	0.41	
		<i>Note: Applied only to work area above 40'.</i>		
09 91 13 00-0349	SF	1 Coat Paint, Brush Work, Paint Exterior Exposed Metal Trim.....	1.08	
		<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.13	
		<i>Note: Applied only to work area above 15' to 20'.</i>		
		<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.21	
		<i>Note: Applied only to work area above 20'.</i>		
		<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.34	
		<i>Note: Applied only to work area above 30' to 40'.</i>		
		<i>For Work &gt;40' Above Floor, Add</i>	0.46	
		<i>Note: Applied only to work area above 40'.</i>		
09 91 13 00-0350	SF	2 Coats Paint, Brush Work, Paint Exterior Exposed Metal Trim.....	1.96	
		<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.22	
		<i>Note: Applied only to work area above 15' to 20'.</i>		
		<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.37	
		<i>Note: Applied only to work area above 20'.</i>		
		<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.59	
		<i>Note: Applied only to work area above 30' to 40'.</i>		
		<i>For Work &gt;40' Above Floor, Add</i>	0.81	
		<i>Note: Applied only to work area above 40'.</i>		
09 91 13 00-0351	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Exposed Metal Trim.....	0.91	
		<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.10	
		<i>Note: Applied only to work area above 15' to 20'.</i>		
		<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.17	
		<i>Note: Applied only to work area above 20'.</i>		
		<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.27	
		<i>Note: Applied only to work area above 30' to 40'.</i>		
		<i>For Work &gt;40' Above Floor, Add</i>	0.37	
		<i>Note: Applied only to work area above 40'.</i>		
09 91 13 00-0352	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Exposed Metal Trim.....	0.99	
		<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.11	
		<i>Note: Applied only to work area above 15' to 20'.</i>		
		<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.19	
		<i>Note: Applied only to work area above 20'.</i>		
		<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.30	
		<i>Note: Applied only to work area above 30' to 40'.</i>		
		<i>For Work &gt;40' Above Floor, Add</i>	0.41	
		<i>Note: Applied only to work area above 40'.</i>		
09 91 13 00-0353	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Exposed Metal Trim.....	1.78	
		<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.20	
		<i>Note: Applied only to work area above 15' to 20'.</i>		
		<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.33	
		<i>Note: Applied only to work area above 20'.</i>		
		<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.52	
		<i>Note: Applied only to work area above 30' to 40'.</i>		
		<i>For Work &gt;40' Above Floor, Add</i>	0.72	
		<i>Note: Applied only to work area above 40'.</i>		



<b>Finishes</b>	<b>09</b>	<b>09</b>
Painting and Coating	09 90	
Painting	09 91	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0354 LF 1 Coat Paint, Brush Work, Paint Exterior Gutter And Downspout.....	1.54	
For Work >15' To 20' Above Floor, Add	0.18	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.31	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.49	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.67	
Note: Applied only to work area above 40'.		
09 91 13 00-0355 LF 2 Coats Paint, Brush Work, Paint Exterior Gutter And Downspout.....	1.84	
For Work >15' To 20' Above Floor, Add	0.27	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.45	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.71	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.98	
Note: Applied only to work area above 40'.		
<b>09 91 13 00-0356 Paint Exterior Wood Trim (09 91 13 00-0346)</b>		
09 91 13 00-0357 SF 1 Coat Primer, Brush Work, Paint Exterior Wood Trim .....	1.46	
For Oil Based Paint, Add	0.09	
For Work >15' To 20' Above Floor, Add	0.16	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.27	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.43	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.59	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.87	
For >100 To 250, Add	0.42	
For >250 To 500, Add	0.18	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.15	
For >10,000 To 20,000, Deduct	-0.22	
For >20,000, Deduct	-0.29	
09 91 13 00-0358 SF 1 Coat Paint, Brush Work, Paint Exterior Wood Trim .....	1.58	
For Oil Based Paint, Add	0.10	
For Work >15' To 20' Above Floor, Add	0.17	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.29	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.46	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.64	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.93	
For >100 To 250, Add	0.45	
For >250 To 500, Add	0.20	
For >2,500 To 5,000, Deduct	-0.08	
For >5,000 To 10,000, Deduct	-0.16	
For >10,000 To 20,000, Deduct	-0.24	
For >20,000, Deduct	-0.32	
09 91 13 00-0359 SF 2 Coats Paint, Brush Work, Paint Exterior Wood Trim.....	2.92	
For Oil Based Paint, Add	0.19	
For Work >15' To 20' Above Floor, Add	0.31	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.52	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.83	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	1.14	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.68	
For >100 To 250, Add	0.81	
For >250 To 500, Add	0.35	
For >2,500 To 5,000, Deduct	-0.15	
For >5,000 To 10,000, Deduct	-0.29	
For >10,000 To 20,000, Deduct	-0.44	
For >20,000, Deduct	-0.58	

**09 Finishes**

**09 90 Painting and Coating**

**09 91 Painting**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0360	SF	1	Coat Primer, Brush/Roller Work, Paint Exterior Wood Trim.....	1.18	
			For Oil Based Paint, Add	0.08	
			For Work >15' To 20' Above Floor, Add	0.12	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.20	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.32	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.44	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.66	
			For >100 To 250, Add	0.32	
			For >250 To 500, Add	0.14	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.12	
			For >10,000 To 20,000, Deduct	-0.18	
			For >20,000, Deduct	-0.24	
09 91 13 00-0361	SF	1	Coat Paint, Brush/Roller Work, Paint Exterior Wood Trim.....	1.32	
			For Oil Based Paint, Add	0.09	
			For Work >15' To 20' Above Floor, Add	0.14	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.23	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.36	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.50	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.74	
			For >100 To 250, Add	0.36	
			For >250 To 500, Add	0.16	
			For >2,500 To 5,000, Deduct	-0.07	
			For >5,000 To 10,000, Deduct	-0.13	
			For >10,000 To 20,000, Deduct	-0.20	
			For >20,000, Deduct	-0.26	
09 91 13 00-0362	SF	2	Coats Paint, Brush/Roller Work, Paint Exterior Wood Trim .....	2.48	
			For Oil Based Paint, Add	0.17	
			For Work >15' To 20' Above Floor, Add	0.24	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.41	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.65	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.90	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.35	
			For >100 To 250, Add	0.66	
			For >250 To 500, Add	0.29	
			For >2,500 To 5,000, Deduct	-0.12	
			For >5,000 To 10,000, Deduct	-0.25	
			For >10,000 To 20,000, Deduct	-0.37	
			For >20,000, Deduct	-0.50	
09 91 13 00-0363	SF	1	Coat Primer, Sprayed, Paint Exterior Wood Trim .....	1.04	
			For Oil Based Paint, Add	0.08	
			For Work >15' To 20' Above Floor, Add	0.09	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.15	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.23	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.32	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.50	
			For >100 To 250, Add	0.25	
			For >250 To 500, Add	0.11	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.10	
			For >10,000 To 20,000, Deduct	-0.16	
			For >20,000, Deduct	-0.21	
09 91 13 00-0364	SF	1	Coat Paint, Sprayed, Paint Exterior Wood Trim.....	1.15	
			For Oil Based Paint, Add	0.08	
			For Work >15' To 20' Above Floor, Add	0.10	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.17	
			Note: Applied only to work area above 20'.		
			For Work >30' To 40' Above Floor, Add	0.28	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.38	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.59	
			For >100 To 250, Add	0.29	
			For >250 To 500, Add	0.13	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.12	
			For >10,000 To 20,000, Deduct	-0.17	
			For >20,000, Deduct	-0.23	



		<b>Finishes</b>	<b>09</b>
		Painting and Coating	09 90
		Painting	09 91

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0365 SF 2 Coats Paint, Sprayed, Paint Exterior Wood Trim.....	2.19	
For Oil Based Paint, Add	0.16	
For Work >15' To 20' Above Floor, Add	0.19	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.32	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.50	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.69	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.08	
For >100 To 250, Add	0.53	
For >250 To 500, Add	0.24	
For >2,500 To 5,000, Deduct	-0.11	
For >5,000 To 10,000, Deduct	-0.22	
For >10,000 To 20,000, Deduct	-0.33	
For >20,000, Deduct	-0.44	
<b>09 91 13 00-0366 Paint Exterior Miscellaneous Metal Surfaces (09 91 13)</b>		
09 91 13 00-0367 SF 1 Coat Alkyd Anticorrosive Metal Primer, Brush/Roller Work, Paint Exterior Miscellaneous Metal Surfaces.....	1.22	
For Epoxy Paint, Add	0.17	
For Electrostatic Painting, Add	0.18	
09 91 13 00-0368 SF 1 Coat Alkyd Enamel Paint, Brush/Roller Work, Paint Exterior Miscellaneous Metal Surfaces .....	1.09	
For Epoxy Paint, Add	0.13	
For Electrostatic Painting, Add	0.15	
09 91 13 00-0369 SF 2 Coats Alkyd Enamel Paint, Brush/Roller Work, Paint Exterior Miscellaneous Metal Surfaces .....	2.22	
For Epoxy Paint, Add	0.27	
For Electrostatic Painting, Add	0.30	
<b>09 91 33 Painting Materials (09 91)</b>		
Note: Paint per gallon for owners to obtain extra paint. Not to be used in conjunction with other painting tasks.		
<b>09 91 33 00-0001 Primer (09 91 33)</b>		
09 91 33 00-0002 GAL Alkyd Primer/Sealer, Interior, 500 SF Per Gallon.....	62.24	
09 91 33 00-0003 GAL Alkyd Wood Primer, Exterior, 400 SF Per Gallon .....	48.49	
09 91 33 00-0004 GAL Prime Coat Oil Wood Primer, 310 SF Per Gallon .....	61.48	
09 91 33 00-0005 GAL Catalyzed Epoxy Primer, Two Component Type, 425 SF Per Gallon.....	142.43	
09 91 33 00-0006 EA Cement Base Primer, 25 LB Sack .....	50.70	
09 91 33 00-0007 GAL Alkali Resistant Concrete And Masonry Primer, Exterior, 225 SF Per Gallon .....	78.17	
09 91 33 00-0008 GAL Alkali Resistant Concrete And Masonry Primer, Interior, 225 SF Per Gallon.....	62.75	
09 91 33 00-0009 GAL Acrylic Latex Primer, Flat Exterior, Fast Drying Wood Undercoat And Back Primer, 400 SF per Gallon.....	48.49	
09 91 33 00-0010 GAL Acrylic (Vinyl Acrylic) Block Filler, 50 SF Per Gallon.....	44.05	
09 91 33 00-0011 GAL Acrylic (Vinyl Acrylic) Rust Inhibiting Metal, Primer - 500 SF Per Gallon: Paint - 260 SF Per Gallon .....	77.64	
09 91 33 00-0012 GAL Acrylic Heavy Duty Wall Primer/Sealer, Low Odor Type, Alkali-Resistant, 800 SF Per Gallon .....	64.65	
09 91 33 00-0013 GAL Acrylic (Vinyl Acrylic) Undercoat, All Purpose, Interior/Exterior, 500 SF Per Gallon.....	64.65	
09 91 33 00-0014 GAL Latex Wood Primer, Exterior, 300 SF Per Gallon .....	72.89	
09 91 33 00-0015 GAL Linseed (Oil Base) Primer, Exterior/Interior, 300 SF Per Gallon.....	47.54	
09 91 33 00-0016 GAL Red Alkyd Primer, 500 SF Per Gallon .....	106.52	
09 91 33 00-0017 GAL Wood Sealer/Primer, Interior, Clear, 600 SF Per Gallon .....	50.70	
09 91 33 00-0018 GAL Zinc Chromate Primer, 300 SF Per Gallon .....	40.56	
09 91 33 00-0019 GAL Zinc Dust/Zinc Oxide Primer, 300 SF Per Gallon.....	104.90	
09 91 33 00-0020 GAL Stain Killer, Alcohol Base.....	65.41	
09 91 33 00-0021 GAL Sealer, Primer Kilz, 400 SF Per Gallon.....	73.80	
<b>09 91 33 00-0022 Paint (09 91 33)</b>		
09 91 33 00-0023 GAL Aluminum Fiber Roof Coat On Composition Roof, 50 SF Per Gallon.....	35.49	
09 91 33 00-0024 GAL Acrylic Urethane Sealer .....	175.99	
09 91 33 00-0025 GAL Asphalt-Fiber Roof And Foundation Coating, Solvent Type .....	19.01	
Note: 75 SF per gallon on roof or concrete, 100 SF per gallon on metal.		
09 91 33 00-0026 GAL Concrete Enamel Epoxy, 350 SF Per Gallon.....	109.97	
09 91 33 00-0027 GAL Concrete Acrylic Sealer, 400 SF Per Gallon.....	57.68	
09 91 33 00-0028 GAL Tar Emulsion, Driveway Coating, 120 SF Per Gallon .....	19.01	
09 91 33 00-0029 GAL Acrylic Latex, Driveway Coating, 250 SF Per Gallon.....	28.84	
09 91 33 00-0030 GAL Exterior, Oil Base, Gloss Enamel, 400 SF Per Gallon .....	78.65	
09 91 33 00-0031 GAL Exterior, Oil Base, Gloss, 400 SF Per Gallon .....	77.64	
09 91 33 00-0032 GAL Exterior, Oil Base, Semi-Gloss, 400 SF Per Gallon .....	63.38	
09 91 33 00-0033 GAL Exterior, Flat, Oil Base.....	58.10	
09 91 33 00-0034 GAL Exterior, Latex, Semi-Gloss, 400 SF Per Gallon.....	55.14	
09 91 33 00-0035 GAL Exterior, Flat Latex, Trim Paint, 500 SF Per Gallon .....	64.97	
09 91 33 00-0036 GAL Exterior, Latex Flat Paint, 300 SF Per Gallon.....	57.68	
09 91 33 00-0037 GAL Exterior, Water Base, Latex Gloss Enamel.....	82.10	
09 91 33 00-0038 GAL Cold Galvanizing Paint .....	350.41	
09 91 33 00-0039 GAL High Heat Paint.....	150.81	
09 91 33 00-0040 GAL Heat Resistant Paint.....	100.54	
09 91 33 00-0041 GAL Zinc Chromate Paint.....	90.96	
09 91 33 00-0042 QT Anti-Rust Enamel, 500 SF Per Quart.....	35.91	
09 91 33 00-0043 GAL Rust Inhibitor, Ferrous Metal .....	100.54	
09 91 33 00-0044 GAL Masonry Waterproofing, 100 SF Per Gallon .....	57.68	
09 91 33 00-0045 GAL Alkyd Latex, Black .....	74.61	
09 91 33 00-0046 GAL Alkyd Latex, White .....	67.82	

**09 Finishes**  
**09 90 Painting and Coating**  
**09 91 Painting**



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 33 00-0047 GAL Alkyd Latex, Colors.....	81.79	
09 91 33 00-0048 QT Wrought Iron Paint, Black.....	91.76	
09 91 33 00-0049 GAL Vinyl Paint.....	96.97	
09 91 33 00-0050 GAL Silicone Alkyd.....	117.89	
09 91 33 00-0051 GAL 2 Component Solvent Based Acrylic Epoxy.....	119.79	
09 91 33 00-0052 GAL 2 Component Solvent Based Polyester Epoxy.....	150.21	
09 91 33 00-0053 GAL Chlorinated Rubber.....	110.28	
09 91 33 00-0054 GAL Polyamide Epoxy Sealer.....	114.09	
09 91 33 00-0055 GAL Coal Tar Epoxy.....	81.76	
09 91 33 00-0056 GAL Swimming Pool Enamel, 350 SF Per Gallon.....	102.04	
09 91 33 00-0057 GAL Swimming Pool Epoxy Or Urethane Base.....	133.10	
09 91 33 00-0058 GAL Swimming Pool Rubber Base.....	91.27	
09 91 33 00-0059 GAL Interior, Latex Flat Paint, 300 SF Per Gallon.....	57.99	
09 91 33 00-0060 GAL Interior, Latex Eggshell Or Semi-Gloss Enamel, 300 SF Per Gallon.....	71.46	
09 91 33 00-0061 GAL Interior, Fire-Retardant Flat Paint, 200 SF Per Gallon.....	118.84	
09 91 33 00-0062 GAL Interior, Ceiling White Latex Flat, 350 SF Per Gallon.....	40.25	
09 91 33 00-0063 GAL Linseed Oil.....	35.18	
09 91 33 00-0064 GAL Latex Floor Paint, 300 SF Per Gallon.....	57.68	
09 91 33 00-0065 GAL Acrylic Floor Paint, 400 SF Per Gallon.....	64.97	
09 91 33 00-0066 GAL Textured Paint, Sand Texture Latex, Armor Coat, 100 SF Per Gallon.....	59.42	
09 91 33 00-0067 GAL Acoustic Spray-On Texture, Finish.....	47.75	
<b>09 91 33 00-0068 Stain, Varnish (09 91 33)</b>		
09 91 33 00-0069 GAL Thompson Water Sealer, 150 SF Per Gallon.....	32.96	
09 91 33 00-0070 GAL Latex Redwood Stain, Water Base, 300 SF Per Gallon.....	61.48	
09 91 33 00-0071 GAL Redwood Oil Stain, 300 SF Per Gallon.....	54.82	
09 91 33 00-0072 GAL Varnish, Clear.....	41.33	
09 91 33 00-0073 GAL Penetrating Water-Repellent Stain.....	30.02	
09 91 33 00-0074 GAL Redwood Hue Or Clear Stain.....	26.83	
09 91 33 00-0075 GAL Polyurethane.....	47.10	
09 91 33 00-0076 GAL Lacquer, Semi-Gloss.....	57.85	
09 91 33 00-0077 GAL Shellac, Clear.....	75.89	
09 91 33 00-0078 GAL Acetone.....	25.04	
09 91 33 00-0079 GAL Paint Thinner.....	6.18	
09 91 33 00-0080 GAL Shellac Or Lacquer Thinner.....	25.35	
09 91 33 00-0081 GAL Turpentine.....	34.86	
09 91 33 00-0082 GAL Wood Filler Paste.....	59.58	
09 91 33 00-0083 GAL Wood Preservative, Pentachlorophenol, General Purpose, 40%, 150 SF Per Gallon.....	47.54	
09 91 33 00-0084 GAL Waterbased Alkyd Urethane (Sherwin Williams B53W01153).....	102.68	
<b>09 91 43 Surface Preparation (09 91)</b>		
See CSI section 09 01 90 52-0000 for preparation on painted or unpainted surfaces.		
<b>09 96 High-Performance Coatings (09 90)</b>		
<b>09 96 23 Graffiti-Resistant Coatings (09 96)</b>		
<b>09 96 23 00-0001 Anti-Graffiti Coating (09 96 23)</b>		
09 96 23 00-0002 SF Sacrificial Anti-Graffiti Coating, Per Coat.....	1.31	
For Up To 100, Add	0.74	
For >100 To 250, Add	0.36	
For >250 To 500, Add	0.16	
09 96 23 00-0003 SF Permanent (Non-Sacrificial) Anti-Graffiti Coating, Per Coat.....	1.41	
For Up To 100, Add	0.76	
For >100 To 250, Add	0.37	
For >250 To 500, Add	0.16	
<b>09 96 53 Elastomeric Coatings (09 96)</b>		
<b>09 96 53 00-0001 Elastomeric (09 96 53)</b>		
Note: Per coat.		
09 96 53 00-0002 SF 1 Coat, 5.3 To 8 Wet Mils, Brush Work, Elastomeric Primer Applied To Walls And Floors.....	0.78	
For Work >15' To 20' Above Floor, Add	0.09	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.15	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.24	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.32	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.47	
For >100 To 250, Add	0.23	
For >250 To 500, Add	0.10	
For >2,500 To 5,000, Deduct	-0.04	
For >5,000 To 10,000, Deduct	-0.08	
For >10,000 To 20,000, Deduct	-0.12	
For >20,000, Deduct	-0.16	



<b>Finishes</b>	<b>09</b>	<b>09</b>
Painting and Coating	09 90	
High-Performance Coatings	09 96	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 96 53 00-0003 SF 1 Coat, 5.3 To 8 Wet Mils, Brush/Roller Work, Elastomeric Primer Applied To Walls And Floors .....	0.66	
For Work >15' To 20' Above Floor, Add	0.07	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.12	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.20	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.27	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.39	
For >100 To 250, Add	0.19	
For >250 To 500, Add	0.08	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.07	
For >10,000 To 20,000, Deduct	-0.10	
For >20,000, Deduct	-0.13	
09 96 53 00-0004 SF 1 Coat, 5.3 To 8 Wet Mils, Sprayed, Elastomeric Primer Applied To Walls And Floors.....	0.60	
For Work >15' To 20' Above Floor, Add	0.06	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.09	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.15	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.20	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.31	
For >100 To 250, Add	0.15	
For >250 To 500, Add	0.07	
For >2,500 To 5,000, Deduct	-0.03	
For >5,000 To 10,000, Deduct	-0.06	
For >10,000 To 20,000, Deduct	-0.09	
For >20,000, Deduct	-0.12	
09 96 53 00-0005 SF 1 Coat, 13 To 16 Wet Mils, Brush Work, Elastomeric Paint Applied To Walls And Floors.....	1.82	
For Work >15' To 20' Above Floor, Add	0.10	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.17	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.28	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.38	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.69	
For >100 To 250, Add	0.35	
For >250 To 500, Add	0.16	
For >2,500 To 5,000, Deduct	-0.09	
For >5,000 To 10,000, Deduct	-0.18	
For >10,000 To 20,000, Deduct	-0.27	
For >20,000, Deduct	-0.36	
09 96 53 00-0006 SF 1 Coat, 13 To 16 Wet Mils, Brush/Roller Work, Elastomeric Paint Applied To Walls And Floors .....	1.71	
For Work >15' To 20' Above Floor, Add	0.09	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.15	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.23	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.32	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.60	
For >100 To 250, Add	0.32	
For >250 To 500, Add	0.14	
For >2,500 To 5,000, Deduct	-0.09	
For >5,000 To 10,000, Deduct	-0.17	
For >10,000 To 20,000, Deduct	-0.26	
For >20,000, Deduct	-0.34	
09 96 53 00-0007 SF 1 Coat, 13 To 16 Wet Mils, Sprayed, Elastomeric Paint Applied To Walls And Floors .....	1.97	
For Work >15' To 20' Above Floor, Add	0.07	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.11	
Note: Applied only to work area above 20'.		
For Work >30' To 40' Above Floor, Add	0.18	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.24	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.56	
For >100 To 250, Add	0.31	
For >250 To 500, Add	0.14	
For >2,500 To 5,000, Deduct	-0.10	
For >5,000 To 10,000, Deduct	-0.20	
For >10,000 To 20,000, Deduct	-0.30	
For >20,000, Deduct	-0.39	

**09 Finishes**  
**09 90 Painting and Coating**  
**09 96 High-Performance Coatings**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 96 53 00-0008	SF		1 Coat, 5.3 To 8 Wet Mils, Brush Work, Elastomeric Primer Applied To Ceilings And Overhead.....	0.87	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.10	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.17	
			<i>Note: Applied only to work area above 20'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.27	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	0.37	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.54	
			<i>For &gt;100 To 250, Add</i>	0.26	
			<i>For &gt;250 To 500, Add</i>	0.11	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.04	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.09	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.13	
			<i>For &gt;20,000, Deduct</i>	-0.17	
09 96 53 00-0009	SF		1 Coat, 5.3 To 8 Wet Mils, Brush/Roller Work, Elastomeric Primer Applied To Ceilings And Overhead .....	0.74	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.09	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.14	
			<i>Note: Applied only to work area above 20'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.23	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	0.31	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.45	
			<i>For &gt;100 To 250, Add</i>	0.22	
			<i>For &gt;250 To 500, Add</i>	0.09	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.04	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.07	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.11	
			<i>For &gt;20,000, Deduct</i>	-0.15	
09 96 53 00-0010	SF		1 Coat, 5.3 To 8 Wet Mils, Sprayed, Elastomeric Primer Applied To Ceilings And Overhead .....	0.66	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.06	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.11	
			<i>Note: Applied only to work area above 20'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.17	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	0.24	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.36	
			<i>For &gt;100 To 250, Add</i>	0.17	
			<i>For &gt;250 To 500, Add</i>	0.08	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.03	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.07	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.10	
			<i>For &gt;20,000, Deduct</i>	-0.13	
09 96 53 00-0011	SF		1 Coat, 13 To 16 Wet Mils, Brush Work, Elastomeric Paint Applied To Ceilings And Overhead .....	1.93	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.12	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.20	
			<i>Note: Applied only to work area above 20'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.32	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	0.44	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.77	
			<i>For &gt;100 To 250, Add</i>	0.39	
			<i>For &gt;250 To 500, Add</i>	0.18	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.10	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.19	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.29	
			<i>For &gt;20,000, Deduct</i>	-0.39	
09 96 53 00-0012	SF		1 Coat, 13 To 16 Wet Mils, Brush/Roller Work, Elastomeric Paint Applied To Ceilings And Overhead.....	1.80	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.10	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.17	
			<i>Note: Applied only to work area above 20'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.27	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	0.37	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.67	
			<i>For &gt;100 To 250, Add</i>	0.35	
			<i>For &gt;250 To 500, Add</i>	0.16	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.09	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.18	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.27	
			<i>For &gt;20,000, Deduct</i>	-0.36	





<b>Finishes</b>	<b>09</b>	<b>09</b>
Painting and Coating	09 90	
High-Performance Coatings	09 96	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 96 53 00-0013 SF 1 Coat, 13 To 16 Wet Mils, Sprayed, Elastomeric Paint Applied To Ceilings And Overhead .....	2.05	
For Work >15' To 20' Above Floor, Add	0.08	
Note: Applied only to work area above 15' to 20'		
For Work >20' To 30' Above Floor, Add	0.13	
Note: Applied only to work area above 20'		
For Work >30' To 40' Above Floor, Add	0.21	
Note: Applied only to work area above 30' to 40'		
For Work >40' Above Floor, Add	0.29	
Note: Applied only to work area above 40'		
For Up To 100, Add	0.62	
For >100 To 250, Add	0.34	
For >250 To 500, Add	0.15	
For >2,500 To 5,000, Deduct	-0.10	
For >5,000 To 10,000, Deduct	-0.21	
For >10,000 To 20,000, Deduct	-0.31	
For >20,000, Deduct	-0.41	
<b>09 96 56 Epoxy Coatings (09 96)</b>		
09 96 56 00-0001 High Build Epoxy (09 96 56)		
09 96 56 00-0002 SF 50 Mil, High Build Epoxy .....	3.09	
09 96 56 00-0003 Laminated Epoxy With Fiberglass (09 96 56)		
09 96 56 00-0004 SF Laminated Epoxy With Fiberglass .....	5.23	
<b>09 96 66 Aggregate Wall Coatings (09 96)</b>		
09 96 66 00-0001 Troweled On (09 96 66)		
09 96 66 00-0002 SF Exposed Aggregate - 1/16" To 1/4" - Troweled On.....	3.80	
09 96 66 00-0003 SF Exposed Aggregate - 1/2" To 5/8" Troweled On.....	6.80	
09 96 66 00-0004 SF Exposed Aggregate - 1" Troweled On .....	10.19	
09 96 66 00-0005 Sprayed On (09 96 66)		
09 96 66 00-0006 SF Exposed Aggregate - 1/8" - Sprayed On.....	3.10	
<b>09 97 Special Coatings (09 90)</b>		
<b>09 97 13 Steel Coatings (09 97)</b>		
<b>09 97 13 23 Exterior Steel Coatings (09 97 13)</b>		
Note: Steel Structure Painting Council, SSPC; Surface Preparation, SP.		
09 97 13 23-0001 Surface Preparation For Structural Steel (09 97 13 23)		
Note: Type 1 structural steel - up to 2 SF per LF, Type 2 structural steel - over 2 SF to 5 SF per LF, Type 3 structural steel - over 5 SF per LF, and piping - under 14" diameter.		
09 97 13 23-0002 SSPC SP2 Hand Tool Cleaning Surface Preparation For Structural Steel (09 97 13 23-0001)		
Note: Hand Tool Cleaning removes all loose mill scale, loose rust and other detrimental foreign matter. It is not intended that adherent mill scale, rust and paint be removed by this process. Mill scale, rust and paint are considered adherent if they cannot be removed by lifting with a dull putty knife. Before hand tool cleaning, remove visible oil, grease, soluble welding residues and salts by the methods outlined in SSPC-SP1. For complete instructions, refer to Society of Protective Coatings Surface Preparation Specification No. 2 or ISO 8501-1 St 3.		
09 97 13 23-0003 SF Type 1 Structural Steel SP2 Hand Tool Cleaning Surface Preparation .....	1.27	
For Up To 100, Add	0.95	
For >100 To 250, Add	0.44	
For >250 To 500, Add	0.19	
09 97 13 23-0004 SF Type 2 Structural Steel SP2 Hand Tool Cleaning Surface Preparation .....	1.22	
For Up To 100, Add	0.92	
For >100 To 250, Add	0.43	
For >250 To 500, Add	0.18	
09 97 13 23-0005 SF Type 3 Structural Steel SP2 Hand Tool Cleaning Surface Preparation .....	1.22	
For Up To 100, Add	0.92	
For >100 To 250, Add	0.43	
For >250 To 500, Add	0.18	
09 97 13 23-0006 SF Up To 14" Diameter Pipe SP2 Hand Tool Cleaning Surface Preparation .....	1.66	
For Up To 100, Add	1.25	
For >100 To 250, Add	0.58	
For >250 To 500, Add	0.25	
09 97 13 23-0007 SSPC SP3 Power Tool Cleaning Surface Preparation For Structural Steel (09 97 13 23-0001)		
Note: Power Tool Cleaning removes all loose mill scale, loose rust and other detrimental foreign matter. It is not intended that adherent mill scale, rust and paint be removed by this process. Mill scale, rust and paint are considered adherent if they cannot be removed by lifting with a dull putty knife. Before power tool cleaning, remove visible oil, grease, soluble welding residues and salts by the methods outlined in SSPC-SP1. For complete instructions, refer to Society of Protective Coatings Surface Preparation Specification No. 3 or ISO 8501-1 St 3.		

**09 Finishes**

**09 90 Painting and Coating**

**09 97 Special Coatings**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 23-0008	SF		Type 1 Structural Steel SP3 Power Tool Cleaning Surface Preparation.....	1.60	
			<i>For Up To 100, Add</i>	1.20	
			<i>For &gt;100 To 250, Add</i>	0.56	
			<i>For &gt;250 To 500, Add</i>	0.24	
09 97 13 23-0009	SF		Type 2 Structural Steel SP3 Power Tool Cleaning Surface Preparation.....	1.54	
			<i>For Up To 100, Add</i>	1.16	
			<i>For &gt;100 To 250, Add</i>	0.54	
			<i>For &gt;250 To 500, Add</i>	0.23	
09 97 13 23-0010	SF		Type 3 Structural Steel SP3 Power Tool Cleaning Surface Preparation.....	1.54	
			<i>For Up To 100, Add</i>	1.16	
			<i>For &gt;100 To 250, Add</i>	0.54	
			<i>For &gt;250 To 500, Add</i>	0.23	
09 97 13 23-0011	SF		Up To 14" Diameter Pipe SP3 Power Tool Cleaning Surface Preparation.....	2.08	
			<i>For Up To 100, Add</i>	1.56	
			<i>For &gt;100 To 250, Add</i>	0.73	
			<i>For &gt;250 To 500, Add</i>	0.31	
09 97 13 23-0012	SF		>14" Diameter Pipe SP3 Power Tool Cleaning Surface Preparation.....	1.87	
			<i>For Up To 100, Add</i>	1.40	
			<i>For &gt;100 To 250, Add</i>	0.65	
			<i>For &gt;250 To 500, Add</i>	0.28	
<b>09 97 13 23-0013</b>			<b>SSPC SP7 Brush Off Blast Cleaning Surface Preparation For Structural Steel</b> <small>(09 97 13 23-0001)</small>		
			Note: A Brush-Off Blast Cleaned surface, when viewed without magnification, shall be free of all visible oil, grease, dirt, dust, loose mill scale, loose rust and loose paint. Tightly adherent mill scale, rust and paint may remain on the surface. Mill scale, rust and coating are considered adherent if they cannot be removed by lifting with a dull putty knife after abrasive blast cleaning has been performed. Before blast cleaning, visible deposits of oil or grease shall be removed by any of the methods specified in SSPC-SP1 or other agreed upon methods. For complete instructions, refer to Joint Surface Preparation Standard SSPC-SP11		
09 97 13 23-0014	SF		Type 1 Structural Steel SP7 Brush Off Blast Cleaning Surface Preparation.....	0.93	
			<i>For Up To 100, Add</i>	0.64	
			<i>For &gt;100 To 250, Add</i>	0.30	
			<i>For &gt;250 To 500, Add</i>	0.13	
09 97 13 23-0015	SF		Type 2 Structural Steel SP7 Brush Off Blast Cleaning Surface Preparation.....	0.82	
			<i>For Up To 100, Add</i>	0.57	
			<i>For &gt;100 To 250, Add</i>	0.27	
			<i>For &gt;250 To 500, Add</i>	0.12	
09 97 13 23-0016	SF		Type 3 Structural Steel SP7 Brush Off Blast Cleaning Surface Preparation.....	0.81	
			<i>For Up To 100, Add</i>	0.57	
			<i>For &gt;100 To 250, Add</i>	0.27	
			<i>For &gt;250 To 500, Add</i>	0.11	
09 97 13 23-0017	SF		Up To 14" Diameter Pipe SP7 Brush Off Blast Cleaning Surface Preparation.....	1.17	
			<i>For Up To 100, Add</i>	0.82	
			<i>For &gt;100 To 250, Add</i>	0.38	
			<i>For &gt;250 To 500, Add</i>	0.17	
<b>09 97 13 23-0018</b>			<b>SSPC SP6 Commercial Blast Cleaning Surface Preparation For Structural Steel</b> <small>(09 97 13 23-0001)</small>		
			Note: A Commercial Blast Cleaned surface, when viewed without magnification, shall be free of all visible oil, grease, dirt, dust, mill scale, rust, paint, oxides, corrosion products and other foreign matter, except for staining. Staining shall be limited to no more than 33% of each square inch of surface area and may consist of light shadows, slight streaks or minor discoloration caused by stains of rust, stains of mill scale or stains of previously applied paint. Before blast cleaning, visible deposits of oil or grease shall be removed by any of the methods specified in SSPC-SP1 or other agreed upon methods. For complete instructions, refer to Joint Surface Preparation Standard SSPC-SP6/NACE 3 or ISO 8501-1 Sa 2.		
09 97 13 23-0019	SF		Type 1 Structural Steel SP6 Commercial Blast Cleaning Surface Preparation.....	2.39	
			<i>For Up To 100, Add</i>	1.69	
			<i>For &gt;100 To 250, Add</i>	0.79	
			<i>For &gt;250 To 500, Add</i>	0.34	
09 97 13 23-0020	SF		Type 2 Structural Steel SP6 Commercial Blast Cleaning Surface Preparation.....	2.08	
			<i>For Up To 100, Add</i>	1.46	
			<i>For &gt;100 To 250, Add</i>	0.69	
			<i>For &gt;250 To 500, Add</i>	0.30	
09 97 13 23-0021	SF		Type 3 Structural Steel SP6 Commercial Blast Cleaning Surface Preparation.....	1.94	
			<i>For Up To 100, Add</i>	1.36	
			<i>For &gt;100 To 250, Add</i>	0.64	
			<i>For &gt;250 To 500, Add</i>	0.28	
09 97 13 23-0022	SF		Up To 14" Diameter Pipe SP6 Commercial Blast Cleaning Surface Preparation.....	2.99	
			<i>For Up To 100, Add</i>	2.14	
			<i>For &gt;100 To 250, Add</i>	1.00	
			<i>For &gt;250 To 500, Add</i>	0.43	
<b>09 97 13 23-0023</b>			<b>SSPC SP5 White Metal Blast Cleaning Surface Preparation For Structural Steel</b> <small>(09 97 13 23-0001)</small>		
			Note: A White Metal Blast Cleaned surface, when viewed without magnification, shall be free of all visible oil, grease, dirt, dust, mill scale, rust, paint, oxides, corrosion products and other foreign matter. Before blast cleaning, visible deposits of oil or grease shall be removed by any of the methods specified in SSPC-SP1 or other agreed upon methods. For complete instructions, refer to Joint Surface Preparation Standard SSPC-SP5/NACE 1 or ISO 8501-1 Sa 3.		



<b>Finishes</b>	<b>09</b>	<b>09</b>
Painting and Coating	09 90	
Special Coatings	09 97	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 23-0024 SF Type 1 Structural Steel SP5 White Metal Blast Cleaning Surface Preparation .....	4.64	
For Up To 100, Add	3.31	
For >100 To 250, Add	1.55	
For >250 To 500, Add	0.67	
09 97 13 23-0025 SF Type 2 Structural Steel SP5 White Metal Blast Cleaning Surface Preparation .....	3.98	
For Up To 100, Add	2.82	
For >100 To 250, Add	1.33	
For >250 To 500, Add	0.57	
09 97 13 23-0026 SF Type 3 Structural Steel SP5 White Metal Blast Cleaning Surface Preparation .....	3.66	
For Up To 100, Add	2.58	
For >100 To 250, Add	1.21	
For >250 To 500, Add	0.52	
09 97 13 23-0027 SF Up To 14" Diameter Pipe SP5 White Metal Blast Cleaning Surface Preparation .....	5.61	
For Up To 100, Add	4.03	
For >100 To 250, Add	1.89	
For >250 To 500, Add	0.81	
09 97 13 23-0028 SSSP SP10 Near White Metal Blast Cleaning Surface Preparation For Structural Steel <small>(09 97 13 23-0001)</small>		
Note: A Near-White Blast Cleaned surface, when viewed without magnification, shall be free of all visible oil, grease, dirt, dust, mill scale, rust, paint, oxides, corrosion products and other foreign matter, except for staining. Staining shall be limited to no more than 5 percent of each square inch of surface area and may consist of light shadows, slight streaks or minor discoloration caused by stains of rust, stains of mill scale or stains of previously applied paint. Before blast cleaning, visible deposits of oil or grease shall be removed by any of the methods specified in SSSP-SP10 or other agreed upon methods. For complete instructions, refer to Joint Surface Preparation Standard SSSP-SP10/NACE 2 or ISO 8501-1 Sa 2.5.		
09 97 13 23-0029 SF Type 1 Structural Steel SP10 Near White Metal Blast Cleaning Surface Preparation .....	3.46	
For Up To 100, Add	2.45	
For >100 To 250, Add	1.15	
For >250 To 500, Add	0.50	
09 97 13 23-0030 SF Type 2 Structural Steel SP10 Near White Metal Blast Cleaning Surface Preparation .....	2.95	
For Up To 100, Add	2.09	
For >100 To 250, Add	0.98	
For >250 To 500, Add	0.42	
09 97 13 23-0031 SF Type 3 Structural Steel SP10 Near White Metal Blast Cleaning Surface Preparation .....	2.79	
For Up To 100, Add	1.97	
For >100 To 250, Add	0.92	
For >250 To 500, Add	0.40	
09 97 13 23-0032 SF Up To 14" Diameter Pipe SP10 Near White Metal Blast Cleaning Surface Preparation .....	4.08	
For Up To 100, Add	2.93	
For >100 To 250, Add	1.38	
For >250 To 500, Add	0.59	
09 97 13 23-0033 Protective Coatings For Tanks And Structural Steel <small>(09 97 13 23)</small>		
Note: Type 1 structural steel - up to 2 SF per LF, Type 2 structural steel - over 2 SF to 5 SF per LF, Type 3 structural steel - over 5 SF per LF, and piping - under 14" diameter.		
09 97 13 23-0034 1.5 Mil Prime Coat For Structural Steel <small>(09 97 13 23-0033)</small>		
09 97 13 23-0035 SF Spray Type 1 Structural Steel 1.5 Mil Prime Coat .....	1.08	
For Up To 100, Add	0.69	
For >100 To 250, Add	0.33	
For >250 To 500, Add	0.14	
09 97 13 23-0036 SF Spray Type 2 Structural Steel 1.5 Mil Prime Coat .....	0.80	
For Up To 100, Add	0.50	
For >100 To 250, Add	0.24	
For >250 To 500, Add	0.10	
09 97 13 23-0037 SF Spray Type 3 Structural Steel 1.5 Mil Prime Coat .....	0.72	
For Up To 100, Add	0.44	
For >100 To 250, Add	0.21	
For >250 To 500, Add	0.09	
09 97 13 23-0038 SF Spray Up To 14" Diameter Pipe 1.5 Mil Prime Coat .....	1.28	
For Up To 100, Add	0.85	
For >100 To 250, Add	0.40	
For >250 To 500, Add	0.17	
09 97 13 23-0039 SF Brush Type 1 Structural Steel 1.5 Mil Prime Coat .....	1.25	
For Up To 100, Add	0.82	
For >100 To 250, Add	0.39	
For >250 To 500, Add	0.17	
09 97 13 23-0040 SF Brush Type 2 Structural Steel 1.5 Mil Prime Coat .....	0.93	
For Up To 100, Add	0.60	
For >100 To 250, Add	0.29	
For >250 To 500, Add	0.12	
09 97 13 23-0041 SF Brush Type 3 Structural Steel 1.5 Mil Prime Coat .....	0.83	
For Up To 100, Add	0.53	
For >100 To 250, Add	0.25	
For >250 To 500, Add	0.11	
09 97 13 23-0042 SF Brush Up To 14" Diameter Pipe 1.5 Mil Prime Coat .....	1.49	
For Up To 100, Add	1.00	
For >100 To 250, Add	0.47	
For >250 To 500, Add	0.20	
09 97 13 23-0043 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats For Structural Steel <small>(09 97 13 23-0033)</small>		

**09 Finishes**

**09 90 Painting and Coating**

**09 97 Special Coatings**



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 23-0044 SF Spray Type 1 Structural Steel 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats .....	3.17	
For Up To 100, Add	2.01	
For >100 To 250, Add	0.96	
For >250 To 500, Add	0.41	
09 97 13 23-0045 SF Spray Type 2 Structural Steel 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats .....	2.32	
For Up To 100, Add	1.40	
For >100 To 250, Add	0.67	
For >250 To 500, Add	0.29	
09 97 13 23-0046 SF Spray Type 3 Structural Steel 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats .....	2.16	
For Up To 100, Add	1.28	
For >100 To 250, Add	0.62	
For >250 To 500, Add	0.27	
09 97 13 23-0047 SF Spray Up To 14" Diameter Pipe 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats .....	3.84	
For Up To 100, Add	2.50	
For >100 To 250, Add	1.18	
For >250 To 500, Add	0.51	
09 97 13 23-0048 SF Spray Type 1 Structural Steel 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats .....	2.38	
For Up To 100, Add	1.51	
For >100 To 250, Add	0.72	
For >250 To 500, Add	0.31	
09 97 13 23-0049 SF Spray Type 2 Structural Steel 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats .....	1.74	
For Up To 100, Add	1.05	
For >100 To 250, Add	0.50	
For >250 To 500, Add	0.22	
09 97 13 23-0050 SF Spray Type 3 Structural Steel 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats .....	1.61	
For Up To 100, Add	0.96	
For >100 To 250, Add	0.46	
For >250 To 500, Add	0.20	
09 97 13 23-0051 SF Spray Up To 14" Diameter Pipe 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats .....	2.88	
For Up To 100, Add	1.87	
For >100 To 250, Add	0.89	
For >250 To 500, Add	0.38	
09 97 13 23-0052 SF Brush Type 1 Structural Steel 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats .....	3.97	
For Up To 100, Add	2.61	
For >100 To 250, Add	1.24	
For >250 To 500, Add	0.53	
09 97 13 23-0053 SF Brush Type 2 Structural Steel 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats .....	2.87	
For Up To 100, Add	1.82	
For >100 To 250, Add	0.86	
For >250 To 500, Add	0.37	
09 97 13 23-0054 SF Brush Type 3 Structural Steel 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats .....	2.66	
For Up To 100, Add	1.66	
For >100 To 250, Add	0.79	
For >250 To 500, Add	0.34	
09 97 13 23-0055 SF Brush Up To 14" Diameter Pipe 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats .....	4.83	
For Up To 100, Add	3.24	
For >100 To 250, Add	1.53	
For >250 To 500, Add	0.66	
09 97 13 23-0056 SF Brush Type 1 Structural Steel 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats .....	2.97	
For Up To 100, Add	1.95	
For >100 To 250, Add	0.92	
For >250 To 500, Add	0.40	
09 97 13 23-0057 SF Brush Type 2 Structural Steel 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats .....	2.14	
For Up To 100, Add	1.35	
For >100 To 250, Add	0.64	
For >250 To 500, Add	0.28	
09 97 13 23-0058 SF Brush Type 3 Structural Steel 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats .....	1.99	
For Up To 100, Add	1.24	
For >100 To 250, Add	0.59	
For >250 To 500, Add	0.26	
09 97 13 23-0059 SF Brush Up To 14" Diameter Pipe 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats .....	3.62	
For Up To 100, Add	2.43	
For >100 To 250, Add	1.15	
For >250 To 500, Add	0.50	
<b>09 97 13 23-0060 Touch-Up And Two 1.5 Mil Alkyd Finish Coats For Structural Steel</b> (09 97 13 23-0033) .....	2.45	
09 97 13 23-0061 SF Spray Type 1 Structural Steel Touch-Up And Two 1.5 Mil Alkyd Finish Coats .....	2.45	
For Up To 100, Add	1.57	
For >100 To 250, Add	0.75	
For >250 To 500, Add	0.32	
09 97 13 23-0062 SF Spray Type 2 Structural Steel Touch-Up And Two 1.5 Mil Alkyd Finish Coats .....	2.00	
For Up To 100, Add	1.26	
For >100 To 250, Add	0.60	
For >250 To 500, Add	0.26	
09 97 13 23-0063 SF Spray Type 3 Structural Steel Touch-Up And Two 1.5 Mil Alkyd Finish Coats .....	1.83	
For Up To 100, Add	1.13	
For >100 To 250, Add	0.54	
For >250 To 500, Add	0.23	
09 97 13 23-0064 SF Spray Up To 14" Diameter Pipe Touch-Up And Two 1.5 Mil Alkyd Finish Coats .....	3.02	
For Up To 100, Add	1.99	
For >100 To 250, Add	0.94	
For >250 To 500, Add	0.41	



<b>Finishes</b>	<b>09</b>	<b>09</b>
Painting and Coating	09 90	
Special Coatings	09 97	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 23-0065 SF Spray Type 1 Structural Steel Touch-Up And One 1.5 Mil Alkyd Finish Coat.....	1.56	
For Up To 100, Add	1.00	
For >100 To 250, Add	0.48	
For >250 To 500, Add	0.21	
09 97 13 23-0066 SF Spray Type 2 Structural Steel Touch-Up And One 1.5 Mil Alkyd Finish Coat.....	1.28	
For Up To 100, Add	0.80	
For >100 To 250, Add	0.38	
For >250 To 500, Add	0.17	
09 97 13 23-0067 SF Spray Type 3 Structural Steel Touch-Up And One 1.5 Mil Alkyd Finish Coat.....	1.18	
For Up To 100, Add	0.73	
For >100 To 250, Add	0.35	
For >250 To 500, Add	0.15	
09 97 13 23-0068 SF Spray Up To 14" Diameter Pipe Touch-Up And One 1.5 Mil Alkyd Finish Coat.....	1.93	
For Up To 100, Add	1.27	
For >100 To 250, Add	0.60	
For >250 To 500, Add	0.26	
09 97 13 23-0069 SF Brush Type 1 Structural Steel Touch-Up And Two 1.5 Mil Alkyd Finish Coats .....	2.84	
For Up To 100, Add	1.86	
For >100 To 250, Add	0.88	
For >250 To 500, Add	0.38	
09 97 13 23-0070 SF Brush Type 2 Structural Steel Touch-Up And Two 1.5 Mil Alkyd Finish Coats .....	2.31	
For Up To 100, Add	1.49	
For >100 To 250, Add	0.71	
For >250 To 500, Add	0.31	
09 97 13 23-0071 SF Brush Type 3 Structural Steel Touch-Up And Two 1.5 Mil Alkyd Finish Coats .....	2.12	
For Up To 100, Add	1.35	
For >100 To 250, Add	0.64	
For >250 To 500, Add	0.28	
09 97 13 23-0072 SF Brush Up To 14" Diameter Pipe Touch-Up And Two 1.5 Mil Alkyd Finish Coats.....	3.51	
For Up To 100, Add	2.36	
For >100 To 250, Add	1.11	
For >250 To 500, Add	0.48	
09 97 13 23-0073 SF Brush Type 1 Structural Steel Touch-Up And One 1.5 Mil Alkyd Finish Coat.....	1.81	
For Up To 100, Add	1.19	
For >100 To 250, Add	0.56	
For >250 To 500, Add	0.24	
09 97 13 23-0074 SF Brush Type 2 Structural Steel Touch-Up And One 1.5 Mil Alkyd Finish Coat.....	1.48	
For Up To 100, Add	0.95	
For >100 To 250, Add	0.45	
For >250 To 500, Add	0.20	
09 97 13 23-0075 SF Brush Type 3 Structural Steel Touch-Up And One 1.5 Mil Alkyd Finish Coat.....	1.36	
For Up To 100, Add	0.86	
For >100 To 250, Add	0.41	
For >250 To 500, Add	0.18	
09 97 13 23-0076 SF Brush Up To 14" Diameter Pipe Touch-Up And One 1.5 Mil Alkyd Finish Coat.....	2.25	
For Up To 100, Add	1.51	
For >100 To 250, Add	0.72	
For >250 To 500, Add	0.31	
<b>09 97 13 23-0077 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats For Structural Steel</b> <small>(09 97 13 23-0033)</small>		
09 97 13 23-0078 SF Spray Type 1 Structural Steel 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats .....	4.12	
For Up To 100, Add	2.35	
For >100 To 250, Add	1.13	
For >250 To 500, Add	0.49	
09 97 13 23-0079 SF Spray Type 2 Structural Steel 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats .....	3.05	
For Up To 100, Add	1.61	
For >100 To 250, Add	0.79	
For >250 To 500, Add	0.34	
09 97 13 23-0080 SF Spray Type 3 Structural Steel 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats .....	2.73	
For Up To 100, Add	1.37	
For >100 To 250, Add	0.67	
For >250 To 500, Add	0.30	
09 97 13 23-0081 SF Spray Up To 14" Diameter Pipe 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats .....	4.64	
For Up To 100, Add	2.71	
For >100 To 250, Add	1.30	
For >250 To 500, Add	0.57	
09 97 13 23-0082 SF Spray Type 1 Structural Steel Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats .....	2.89	
For Up To 100, Add	1.65	
For >100 To 250, Add	0.79	
For >250 To 500, Add	0.35	
09 97 13 23-0083 SF Spray Type 2 Structural Steel Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats .....	2.13	
For Up To 100, Add	1.12	
For >100 To 250, Add	0.55	
For >250 To 500, Add	0.24	
09 97 13 23-0084 SF Spray Type 3 Structural Steel Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats .....	1.91	
For Up To 100, Add	0.96	
For >100 To 250, Add	0.47	
For >250 To 500, Add	0.21	
09 97 13 23-0085 SF Spray Up To 14" Diameter Pipe Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats .....	3.25	
For Up To 100, Add	1.90	
For >100 To 250, Add	0.91	
For >250 To 500, Add	0.40	

**09 Finishes**  
**09 90 Painting and Coating**  
**09 97 Special Coatings**



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 23-0086		<b>2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats For Structural Steel</b> <small>(09 97 13 23-0033)</small>		
09 97 13 23-0087	SF	Spray Type 1 Structural Steel 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats.....	4.47	
		<i>For Up To 100, Add</i>	2.40	
		<i>For &gt;100 To 250, Add</i>	1.17	
		<i>For &gt;250 To 500, Add</i>	0.51	
09 97 13 23-0088	SF	Spray Type 2 Structural Steel 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats.....	3.36	
		<i>For Up To 100, Add</i>	1.66	
		<i>For &gt;100 To 250, Add</i>	0.82	
		<i>For &gt;250 To 500, Add</i>	0.36	
09 97 13 23-0089	SF	Spray Type 3 Structural Steel 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats.....	3.04	
		<i>For Up To 100, Add</i>	1.42	
		<i>For &gt;100 To 250, Add</i>	0.70	
		<i>For &gt;250 To 500, Add</i>	0.31	
09 97 13 23-0090	SF	Spray Up To 14" Diameter Pipe 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats .....	5.00	
		<i>For Up To 100, Add</i>	2.77	
		<i>For &gt;100 To 250, Add</i>	1.34	
		<i>For &gt;250 To 500, Add</i>	0.59	
09 97 13 23-0091	SF	Spray Type 1 Structural Steel Two 6 Mil High Build Epoxy Finish Coats.....	3.66	
		<i>For Up To 100, Add</i>	1.97	
		<i>For &gt;100 To 250, Add</i>	0.96	
		<i>For &gt;250 To 500, Add</i>	0.42	
09 97 13 23-0092	SF	Spray Type 2 Structural Steel Two 6 Mil High Build Epoxy Finish Coats.....	2.75	
		<i>For Up To 100, Add</i>	1.35	
		<i>For &gt;100 To 250, Add</i>	0.67	
		<i>For &gt;250 To 500, Add</i>	0.29	
09 97 13 23-0093	SF	Spray Type 3 Structural Steel Two 6 Mil High Build Epoxy Finish Coats.....	2.49	
		<i>For Up To 100, Add</i>	1.16	
		<i>For &gt;100 To 250, Add</i>	0.58	
		<i>For &gt;250 To 500, Add</i>	0.26	
09 97 13 23-0094	SF	Spray Up To 14" Diameter Pipe Two 6 Mil High Build Epoxy Finish Coats .....	4.10	
		<i>For Up To 100, Add</i>	2.27	
		<i>For &gt;100 To 250, Add</i>	1.10	
		<i>For &gt;250 To 500, Add</i>	0.48	
09 97 13 23-0095		<b>1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats For Structural Steel</b> <small>(09 97 13 23-0033)</small>		
09 97 13 23-0096	SF	Spray Type 1 Structural Steel 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats.....	9.29	
		<i>For Up To 100, Add</i>	5.13	
		<i>For &gt;100 To 250, Add</i>	2.49	
		<i>For &gt;250 To 500, Add</i>	1.09	
09 97 13 23-0097	SF	Spray Type 2 Structural Steel 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats.....	7.14	
		<i>For Up To 100, Add</i>	3.71	
		<i>For &gt;100 To 250, Add</i>	1.81	
		<i>For &gt;250 To 500, Add</i>	0.80	
09 97 13 23-0098	SF	Spray Type 3 Structural Steel 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats.....	6.90	
		<i>For Up To 100, Add</i>	3.53	
		<i>For &gt;100 To 250, Add</i>	1.73	
		<i>For &gt;250 To 500, Add</i>	0.76	
09 97 13 23-0099	SF	Spray Up To 14" Diameter Pipe 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats .....	10.72	
		<i>For Up To 100, Add</i>	6.17	
		<i>For &gt;100 To 250, Add</i>	2.97	
		<i>For &gt;250 To 500, Add</i>	1.30	
09 97 13 23-0100		<b>1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats For Structural Steel</b> <small>(09 97 13 23-0033)</small>		
09 97 13 23-0101	SF	Spray Type 1 Structural Steel 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats.....	4.98	
		<i>For Up To 100, Add</i>	2.52	
		<i>For &gt;100 To 250, Add</i>	1.24	
		<i>For &gt;250 To 500, Add</i>	0.55	
09 97 13 23-0102	SF	Spray Type 2 Structural Steel 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats.....	4.00	
		<i>For Up To 100, Add</i>	1.80	
		<i>For &gt;100 To 250, Add</i>	0.90	
		<i>For &gt;250 To 500, Add</i>	0.40	
09 97 13 23-0103	SF	Spray Type 3 Structural Steel 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats.....	3.84	
		<i>For Up To 100, Add</i>	1.68	
		<i>For &gt;100 To 250, Add</i>	0.84	
		<i>For &gt;250 To 500, Add</i>	0.38	
09 97 13 23-0104	SF	Spray Up To 14" Diameter Pipe 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats .....	5.59	
		<i>For Up To 100, Add</i>	2.94	
		<i>For &gt;100 To 250, Add</i>	1.44	
		<i>For &gt;250 To 500, Add</i>	0.63	
09 97 13 23-0105	SF	Spray Type 1 Structural Steel Two 4 Mil High Build Vinyl Finish Coats.....	3.93	
		<i>For Up To 100, Add</i>	1.99	
		<i>For &gt;100 To 250, Add</i>	0.98	
		<i>For &gt;250 To 500, Add</i>	0.43	
09 97 13 23-0106	SF	Spray Type 2 Structural Steel Two 4 Mil High Build Vinyl Finish Coats.....	3.16	
		<i>For Up To 100, Add</i>	1.42	
		<i>For &gt;100 To 250, Add</i>	0.71	
		<i>For &gt;250 To 500, Add</i>	0.32	



<b>Finishes</b>	<b>09</b>	<b>09</b>
Painting and Coating	09 90	
Special Coatings	09 97	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 23-0107 SF Spray Type 3 Structural Steel Two 4 Mil High Build Vinyl Finish Coats.....	3.03	
For Up To 100, Add	1.32	
For >100 To 250, Add	0.67	
For >250 To 500, Add	0.30	
09 97 13 23-0108 SF Spray Up To 14" Diameter Pipe Two 4 Mil High Build Vinyl Finish Coats.....	4.42	
For Up To 100, Add	2.33	
For >100 To 250, Add	1.13	
For >250 To 500, Add	0.50	
<b>09 97 13 23-0109 Two 8 Mil Coal Tar Epoxy Coats For Structural Steel (09 97 13 23-0033)</b>		
09 97 13 23-0110 SF Spray Type 1 Structural Steel Two 8 Mil Coal Tar Epoxy Coats.....	4.10	
For Up To 100, Add	2.39	
For >100 To 250, Add	1.15	
For >250 To 500, Add	0.50	
09 97 13 23-0111 SF Spray Type 2 Structural Steel Two 8 Mil Coal Tar Epoxy Coats.....	3.36	
For Up To 100, Add	1.90	
For >100 To 250, Add	0.92	
For >250 To 500, Add	0.40	
09 97 13 23-0112 SF Spray Type 3 Structural Steel Two 8 Mil Coal Tar Epoxy Coats.....	3.12	
For Up To 100, Add	1.72	
For >100 To 250, Add	0.83	
For >250 To 500, Add	0.36	
09 97 13 23-0113 SF Spray Up To 14" Diameter Pipe Two 8 Mil Coal Tar Epoxy Coats .....	5.01	
For Up To 100, Add	3.05	
For >100 To 250, Add	1.46	
For >250 To 500, Add	0.63	
<b>09 97 13 23-0114 One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat For Structural Steel (09 97 13 23-0033)</b>		
09 97 13 23-0115 SF Spray Type 1 Structural Steel One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat.....	3.90	
For Up To 100, Add	2.40	
For >100 To 250, Add	1.15	
For >250 To 500, Add	0.50	
09 97 13 23-0116 SF Spray Type 2 Structural Steel One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat.....	2.82	
For Up To 100, Add	1.62	
For >100 To 250, Add	0.78	
For >250 To 500, Add	0.34	
09 97 13 23-0117 SF Spray Type 3 Structural Steel One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat.....	2.42	
For Up To 100, Add	1.32	
For >100 To 250, Add	0.64	
For >250 To 500, Add	0.28	
09 97 13 23-0118 SF Spray Up To 14" Diameter Pipe One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat .....	4.44	
For Up To 100, Add	2.77	
For >100 To 250, Add	1.32	
For >250 To 500, Add	0.57	
<b>09 97 13 23-0119 One 3 Mil High Zinc Silicate Coat For Structural Steel (09 97 13 23-0033)</b>		
09 97 13 23-0120 SF Spray Type 1 Structural Steel One 3 Mil High Zinc Silicate Coat .....	2.18	
For Up To 100, Add	1.10	
For >100 To 250, Add	0.54	
For >250 To 500, Add	0.24	
09 97 13 23-0121 SF Spray Type 2 Structural Steel One 3 Mil High Zinc Silicate Coat .....	1.62	
For Up To 100, Add	0.72	
For >100 To 250, Add	0.36	
For >250 To 500, Add	0.16	
09 97 13 23-0122 SF Spray Type 3 Structural Steel One 3 Mil High Zinc Silicate Coat .....	1.54	
For Up To 100, Add	0.66	
For >100 To 250, Add	0.33	
For >250 To 500, Add	0.15	
09 97 13 23-0123 SF Spray Up To 14" Diameter Pipe One 3 Mil High Zinc Silicate Coat .....	2.30	
For Up To 100, Add	1.16	
For >100 To 250, Add	0.57	
For >250 To 500, Add	0.25	
<b>09 97 13 23-0124 Two 1.5 Mil Vinyl Enamel Finish Coats For Structural Steel (09 97 13 23-0033)</b>		
Note: Installed over existing primer.		
09 97 13 23-0125 SF Spray Type 1 Structural Steel Two 1.5 Mil Vinyl Enamel Finish Coats .....	3.29	
For Up To 100, Add	1.83	
For >100 To 250, Add	0.89	
For >250 To 500, Add	0.39	
09 97 13 23-0126 SF Spray Type 2 Structural Steel Two 1.5 Mil Vinyl Enamel Finish Coats .....	2.72	
For Up To 100, Add	1.46	
For >100 To 250, Add	0.71	
For >250 To 500, Add	0.31	

<b>09</b>	<b>09 Finishes</b>
	<b>09 90 Painting and Coating</b>
	<b>09 97 Special Coatings</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 23-0127 SF Spray Type 3 Structural Steel Two 1.5 Mil Vinyl Enamel Finish Coats .....	2.39	
For Up To 100, Add	1.22	
For >100 To 250, Add	0.60	
For >250 To 500, Add	0.26	
09 97 13 23-0128 SF Spray Up To 14" Diameter Pipe Two 1.5 Mil Vinyl Enamel Finish Coats .....	3.81	
For Up To 100, Add	2.20	
For >100 To 250, Add	1.06	
For >250 To 500, Add	0.46	
<b>09 97 13 24 Steel Water Storage Tank Painting (09 97 13)</b>		
<b>09 97 13 24-0001 Surface Preparation For Tanks (09 97 13 24)</b>		
Note: Small pressure vessels and tanks - up to 12' diameter, large pressure vessels and tanks - over 12' diameter, tank interiors - over 6' diameter.		
<b>09 97 13 24-0002 SSPC SP2 Or 3 Hand Or Power Tool Cleaning Surface Preparation For Tanks (09 97 13 24-0001)</b>		
09 97 13 24-0003 SF Small Vessel/Tank SP2/3 Hand Or Power Tool Cleaning Surface Preparation .....	1.22	
For Up To 100, Add	0.92	
For >100 To 250, Add	0.43	
For >250 To 500, Add	0.18	
09 97 13 24-0004 SF Large Vessel/Tank SP2/3 Hand Or Power Tool Cleaning Surface Preparation .....	1.08	
For Up To 100, Add	0.81	
For >100 To 250, Add	0.38	
For >250 To 500, Add	0.16	
09 97 13 24-0005 SF Vessel/Tank Interior SP2/3 Hand Or Power Tool Cleaning Surface Preparation .....	1.53	
For Up To 100, Add	1.15	
For >100 To 250, Add	0.54	
For >250 To 500, Add	0.23	
<b>09 97 13 24-0006 SSPC SP7 Brush Off Blast Cleaning Surface Preparation For Tanks (09 97 13 24-0001)</b>		
09 97 13 24-0007 SF Small Vessel/Tank SP7 Brush Off Blast Cleaning Surface Preparation .....	0.78	
For Up To 100, Add	0.54	
For >100 To 250, Add	0.26	
For >250 To 500, Add	0.11	
09 97 13 24-0008 SF Large Vessel/Tank SP7 Brush Off Blast Cleaning Surface Preparation .....	0.64	
For Up To 100, Add	0.44	
For >100 To 250, Add	0.21	
For >250 To 500, Add	0.09	
09 97 13 24-0009 SF Vessel/Tank Interior SP7 Brush Off Blast Cleaning Surface Preparation .....	1.11	
For Up To 100, Add	0.80	
For >100 To 250, Add	0.37	
For >250 To 500, Add	0.16	
<b>09 97 13 24-0010 SSPC SP6 Commercial Blast Cleaning Surface Preparation For Tanks (09 97 13 24-0001)</b>		
09 97 13 24-0011 SF Small Vessel/Tank SP6 Commercial Blast Cleaning Surface Preparation .....	1.94	
For Up To 100, Add	1.36	
For >100 To 250, Add	0.64	
For >250 To 500, Add	0.28	
09 97 13 24-0012 SF Large Vessel/Tank SP6 Commercial Blast Cleaning Surface Preparation .....	1.77	
For Up To 100, Add	1.23	
For >100 To 250, Add	0.58	
For >250 To 500, Add	0.25	
09 97 13 24-0013 SF Vessel/Tank Interior SP6 Commercial Blast Cleaning Surface Preparation .....	2.58	
For Up To 100, Add	1.84	
For >100 To 250, Add	0.86	
For >250 To 500, Add	0.37	
<b>09 97 13 24-0014 SSPC SP5 White Metal Blast Cleaning Surface Preparation For Tanks (09 97 13 24-0001)</b>		
09 97 13 24-0015 SF Small Vessel/Tank SP5 White Metal Blast Cleaning Surface Preparation .....	3.48	
For Up To 100, Add	2.45	
For >100 To 250, Add	1.15	
For >250 To 500, Add	0.50	
09 97 13 24-0016 SF Large Vessel/Tank SP5 White Metal Blast Cleaning Surface Preparation .....	3.32	
For Up To 100, Add	2.33	
For >100 To 250, Add	1.10	
For >250 To 500, Add	0.47	
09 97 13 24-0017 SF Vessel/Tank Interior SP5 White Metal Blast Cleaning Surface Preparation .....	4.86	
For Up To 100, Add	3.49	
For >100 To 250, Add	1.64	
For >250 To 500, Add	0.70	
<b>09 97 13 24-0018 SSPC SP10 Near White Metal Blast Cleaning Surface Preparation For Tanks (09 97 13 24-0001)</b>		
09 97 13 24-0019 SF Small Vessel/Tank SP10 Near White Metal Blast Cleaning Surface Preparation .....	2.78	
For Up To 100, Add	1.97	
For >100 To 250, Add	0.92	
For >250 To 500, Add	0.40	





<b>Finishes</b>	<b>09</b>	<b>09</b>
Painting and Coating	09 90	
Special Coatings	09 97	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 24-0020 SF Large Vessel/Tank SP10 Near White Metal Blast Cleaning Surface Preparation.....	2.78	
For Up To 100, Add	1.97	
For >100 To 250, Add	0.92	
For >250 To 500, Add	0.40	
09 97 13 24-0021 SF Vessel/Tank Interior SP10 Near White Metal Blast Cleaning Surface Preparation.....	4.07	
For Up To 100, Add	2.93	
For >100 To 250, Add	1.37	
For >250 To 500, Add	0.59	
<b>09 97 13 24-0022 Protective Coatings For Tanks (09 97 13 24)</b>		
Note: Small pressure vessels and tanks - up to 12' diameter, large pressure vessels and tanks - over 12' diameter, tank interiors - over 6' diameter.		
<b>09 97 13 24-0023 1.5 Mil Prime Coat For Tanks (09 97 13 24-0022)</b>		
09 97 13 24-0024 SF Spray Small Vessel/Tank 1.5 Mil Prime Coat .....	0.64	
For Up To 100, Add	0.38	
For >100 To 250, Add	0.18	
For >250 To 500, Add	0.08	
09 97 13 24-0025 SF Spray Large Vessel/Tank 1.5 Mil Prime Coat .....	0.52	
For Up To 100, Add	0.29	
For >100 To 250, Add	0.14	
For >250 To 500, Add	0.06	
09 97 13 24-0026 SF Spray Tank Interior 1.5 Mil Prime Coat.....	1.20	
For Up To 100, Add	0.80	
For >100 To 250, Add	0.38	
For >250 To 500, Add	0.16	
09 97 13 24-0027 SF Brush Small Vessel/Tank 1.5 Mil Prime Coat .....	0.73	
For Up To 100, Add	0.45	
For >100 To 250, Add	0.22	
For >250 To 500, Add	0.09	
09 97 13 24-0028 SF Brush Large Vessel/Tank 1.5 Mil Prime Coat.....	0.60	
For Up To 100, Add	0.35	
For >100 To 250, Add	0.17	
For >250 To 500, Add	0.07	
09 97 13 24-0029 SF Brush Tank Interior 1.5 Mil Prime Coat.....	1.40	
For Up To 100, Add	0.95	
For >100 To 250, Add	0.45	
For >250 To 500, Add	0.19	
<b>09 97 13 24-0030 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats For Tanks (09 97 13 24-0022)</b>		
09 97 13 24-0031 SF Spray Small Vessel/Tank 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats.....	1.90	
For Up To 100, Add	1.10	
For >100 To 250, Add	0.53	
For >250 To 500, Add	0.23	
09 97 13 24-0032 SF Spray Large Vessel/Tank 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats .....	1.50	
For Up To 100, Add	0.80	
For >100 To 250, Add	0.39	
For >250 To 500, Add	0.17	
09 97 13 24-0033 SF Spray Tank Interior 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats .....	3.42	
For Up To 100, Add	2.24	
For >100 To 250, Add	1.06	
For >250 To 500, Add	0.46	
09 97 13 24-0034 SF Spray Small Vessel/Tank 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats.....	1.43	
For Up To 100, Add	0.83	
For >100 To 250, Add	0.40	
For >250 To 500, Add	0.17	
09 97 13 24-0035 SF Spray Large Vessel/Tank 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats .....	1.13	
For Up To 100, Add	0.60	
For >100 To 250, Add	0.29	
For >250 To 500, Add	0.13	
09 97 13 24-0036 SF Spray Tank Interior 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats .....	2.57	
For Up To 100, Add	1.68	
For >100 To 250, Add	0.80	
For >250 To 500, Add	0.34	
09 97 13 24-0037 SF Brush Small Vessel/Tank 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats.....	2.32	
For Up To 100, Add	1.42	
For >100 To 250, Add	0.68	
For >250 To 500, Add	0.29	
09 97 13 24-0038 SF Brush Large Vessel/Tank 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats .....	1.80	
For Up To 100, Add	1.03	
For >100 To 250, Add	0.50	
For >250 To 500, Add	0.22	
09 97 13 24-0039 SF Brush Tank Interior 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats .....	4.31	
For Up To 100, Add	2.91	
For >100 To 250, Add	1.37	
For >250 To 500, Add	0.59	
09 97 13 24-0040 SF Brush Small Vessel/Tank 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats.....	1.74	
For Up To 100, Add	1.06	
For >100 To 250, Add	0.51	
For >250 To 500, Add	0.22	
09 97 13 24-0041 SF Brush Large Vessel/Tank 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats .....	1.36	
For Up To 100, Add	0.77	
For >100 To 250, Add	0.37	
For >250 To 500, Add	0.16	

**09 Finishes**  
**09 90 Painting and Coating**  
**09 97 Special Coatings**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 24-0042	SF		Brush Tank Interior 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats .....	3.24	
			<i>For Up To 100, Add</i>	2.18	
			<i>For &gt;100 To 250, Add</i>	1.03	
			<i>For &gt;250 To 500, Add</i>	0.45	
<b>09 97 13 24-0043</b>			<b>Touch-Up And Two 1.5 Mil Alkyd Finish Coats For Tanks</b> <small>(09 97 13 24-0022)</small>		
09 97 13 24-0044	SF		Spray Small Vessel/Tank Touch-Up And Two 1.5 Mil Alkyd Finish Coats .....	1.67	
			<i>For Up To 100, Add</i>	1.02	
			<i>For &gt;100 To 250, Add</i>	0.49	
			<i>For &gt;250 To 500, Add</i>	0.21	
09 97 13 24-0045	SF		Spray Large Vessel/Tank Touch-Up And Two 1.5 Mil Alkyd Finish Coats .....	1.43	
			<i>For Up To 100, Add</i>	0.84	
			<i>For &gt;100 To 250, Add</i>	0.40	
			<i>For &gt;250 To 500, Add</i>	0.18	
09 97 13 24-0046	SF		Spray Tank Interior Touch-Up And Two 1.5 Mil Alkyd Finish Coats .....	3.51	
			<i>For Up To 100, Add</i>	2.40	
			<i>For &gt;100 To 250, Add</i>	1.13	
			<i>For &gt;250 To 500, Add</i>	0.49	
09 97 13 24-0047	SF		Spray Small Vessel/Tank Touch-Up And One 1.5 Mil Alkyd Finish Coat .....	1.07	
			<i>For Up To 100, Add</i>	0.65	
			<i>For &gt;100 To 250, Add</i>	0.31	
			<i>For &gt;250 To 500, Add</i>	0.14	
09 97 13 24-0048	SF		Spray Large Vessel/Tank Touch-Up And One 1.5 Mil Alkyd Finish Coat .....	0.91	
			<i>For Up To 100, Add</i>	0.53	
			<i>For &gt;100 To 250, Add</i>	0.26	
			<i>For &gt;250 To 500, Add</i>	0.11	
09 97 13 24-0049	SF		Spray Tank Interior Touch-Up And One 1.5 Mil Alkyd Finish Coats .....	2.24	
			<i>For Up To 100, Add</i>	1.53	
			<i>For &gt;100 To 250, Add</i>	0.72	
			<i>For &gt;250 To 500, Add</i>	0.31	
09 97 13 24-0050	SF		Brush Small Vessel/Tank Touch-Up And Two 1.5 Mil Alkyd Finish Coats .....	1.92	
			<i>For Up To 100, Add</i>	1.21	
			<i>For &gt;100 To 250, Add</i>	0.57	
			<i>For &gt;250 To 500, Add</i>	0.25	
09 97 13 24-0051	SF		Brush Large Vessel/Tank Touch-Up And Two 1.5 Mil Alkyd Finish Coats .....	1.63	
			<i>For Up To 100, Add</i>	0.99	
			<i>For &gt;100 To 250, Add</i>	0.47	
			<i>For &gt;250 To 500, Add</i>	0.21	
09 97 13 24-0052	SF		Brush Tank Interior Touch-Up And Two 1.5 Mil Alkyd Finish Coats .....	4.33	
			<i>For Up To 100, Add</i>	3.10	
			<i>For &gt;100 To 250, Add</i>	1.45	
			<i>For &gt;250 To 500, Add</i>	0.62	
09 97 13 24-0053	SF		Brush Small Vessel/Tank Touch-Up And One 1.5 Mil Alkyd Finish Coat .....	1.23	
			<i>For Up To 100, Add</i>	0.77	
			<i>For &gt;100 To 250, Add</i>	0.37	
			<i>For &gt;250 To 500, Add</i>	0.16	
09 97 13 24-0054	SF		Brush Large Vessel/Tank Touch-Up And One 1.5 Mil Alkyd Finish Coat .....	1.05	
			<i>For Up To 100, Add</i>	0.64	
			<i>For &gt;100 To 250, Add</i>	0.31	
			<i>For &gt;250 To 500, Add</i>	0.13	
09 97 13 24-0055	SF		Brush Tank Interior Touch-Up And One 1.5 Mil Alkyd Finish Coats .....	2.86	
			<i>For Up To 100, Add</i>	2.00	
			<i>For &gt;100 To 250, Add</i>	0.94	
			<i>For &gt;250 To 500, Add</i>	0.40	
<b>09 97 13 24-0056</b>			<b>2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats For Tanks</b> <small>(09 97 13 24-0022)</small>		
09 97 13 24-0057	SF		Spray Small Vessel/Tank 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats .....	2.52	
			<i>For Up To 100, Add</i>	1.24	
			<i>For &gt;100 To 250, Add</i>	0.61	
			<i>For &gt;250 To 500, Add</i>	0.27	
09 97 13 24-0058	SF		Spray Large Vessel/Tank 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats .....	2.21	
			<i>For Up To 100, Add</i>	1.00	
			<i>For &gt;100 To 250, Add</i>	0.50	
			<i>For &gt;250 To 500, Add</i>	0.22	
09 97 13 24-0059	SF		Spray Small Vessel/Tank Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats .....	1.77	
			<i>For Up To 100, Add</i>	0.87	
			<i>For &gt;100 To 250, Add</i>	0.43	
			<i>For &gt;250 To 500, Add</i>	0.19	
09 97 13 24-0060	SF		Spray Large Vessel/Tank Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats .....	1.54	
			<i>For Up To 100, Add</i>	0.70	
			<i>For &gt;100 To 250, Add</i>	0.35	
			<i>For &gt;250 To 500, Add</i>	0.16	
<b>09 97 13 24-0061</b>			<b>2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats For Tanks</b> <small>(09 97 13 24-0022)</small>		
09 97 13 24-0062	SF		Spray Small Vessel/Tank 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats .....	2.83	
			<i>For Up To 100, Add</i>	1.28	
			<i>For &gt;100 To 250, Add</i>	0.64	
			<i>For &gt;250 To 500, Add</i>	0.28	



<b>Finishes</b>	<b>09</b>	<b>09</b>
Painting and Coating	09 90	
Special Coatings	09 97	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 24-0063 SF Spray Large Vessel/Tank 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats .....	2.52	
For Up To 100, Add	1.05	
For >100 To 250, Add	0.53	
For >250 To 500, Add	0.24	
09 97 13 24-0064 SF Spray Small Vessel/Tank Two 6 Mil High Build Epoxy Finish Coats .....	2.33	
For Up To 100, Add	1.06	
For >100 To 250, Add	0.53	
For >250 To 500, Add	0.23	
09 97 13 24-0065 SF Spray Large Vessel/Tank Two 6 Mil High Build Epoxy Finish Coats .....	2.06	
For Up To 100, Add	0.86	
For >100 To 250, Add	0.43	
For >250 To 500, Add	0.19	
<b>09 97 13 24-0066 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats For Tanks (09 97 13 24-0022)</b>		
09 97 13 24-0067 SF Spray Small Vessel/Tank 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats .....	6.66	
For Up To 100, Add	3.40	
For >100 To 250, Add	1.67	
For >250 To 500, Add	0.73	
09 97 13 24-0068 SF Spray Large Vessel/Tank 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats .....	6.17	
For Up To 100, Add	3.03	
For >100 To 250, Add	1.49	
For >250 To 500, Add	0.66	
09 97 13 24-0069 SF Spray Tank Interior 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats .....	9.85	
For Up To 100, Add	5.79	
For >100 To 250, Add	2.78	
For >250 To 500, Add	1.21	
<b>09 97 13 24-0070 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats For Tanks (09 97 13 24-0022)</b>		
09 97 13 24-0071 SF Spray Small Vessel/Tank 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats .....	3.57	
For Up To 100, Add	1.61	
For >100 To 250, Add	0.80	
For >250 To 500, Add	0.36	
09 97 13 24-0072 SF Spray Large Vessel/Tank 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats .....	3.21	
For Up To 100, Add	1.34	
For >100 To 250, Add	0.68	
For >250 To 500, Add	0.30	
09 97 13 24-0073 SF Spray Tank Interior 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats .....	5.14	
For Up To 100, Add	2.79	
For >100 To 250, Add	1.35	
For >250 To 500, Add	0.59	
09 97 13 24-0074 SF Spray Small Vessel/Tank Two 4 Mil High Build Vinyl Finish Coats .....	2.81	
For Up To 100, Add	1.27	
For >100 To 250, Add	0.63	
For >250 To 500, Add	0.28	
09 97 13 24-0075 SF Spray Large Vessel/Tank Two 4 Mil High Build Vinyl Finish Coats .....	2.53	
For Up To 100, Add	1.06	
For >100 To 250, Add	0.54	
For >250 To 500, Add	0.24	
09 97 13 24-0076 SF Spray Tank Interior Two 4 Mil High Build Vinyl Finish Coats .....	4.05	
For Up To 100, Add	2.20	
For >100 To 250, Add	1.07	
For >250 To 500, Add	0.47	
<b>09 97 13 24-0077 Two 8 Mil Coal Tar Epoxy Coats For Tanks (09 97 13 24-0022)</b>		
09 97 13 24-0078 SF Spray Small Vessel/Tank Two 8 Mil Coal Tar Epoxy Coats .....	3.09	
For Up To 100, Add	1.71	
For >100 To 250, Add	0.83	
For >250 To 500, Add	0.36	
09 97 13 24-0079 SF Spray Large Vessel/Tank Two 8 Mil Coal Tar Epoxy Coats .....	2.61	
For Up To 100, Add	1.35	
For >100 To 250, Add	0.66	
For >250 To 500, Add	0.29	
09 97 13 24-0080 SF Spray Tank Interior Two 8 Mil Coal Tar Epoxy Coats .....	3.89	
For Up To 100, Add	2.31	
For >100 To 250, Add	1.11	
For >250 To 500, Add	0.48	
<b>09 97 13 24-0081 One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat For Tanks (09 97 13 24-0022)</b>		
09 97 13 24-0082 SF Spray Small Vessel/Tank One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat .....	2.15	
For Up To 100, Add	1.14	
For >100 To 250, Add	0.56	
For >250 To 500, Add	0.24	

<b>09</b>	<b>09 Finishes</b>
	<b>09 90 Painting and Coating</b>
	<b>09 97 Special Coatings</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 24-0083 SF Spray Large Vessel/Tank One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat.....	1.98	
For Up To 100, Add	1.01	
For >100 To 250, Add	0.50	
For >250 To 500, Add	0.22	
09 97 13 24-0084 SF Spray Tank Interior One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat.....	3.19	
For Up To 100, Add	1.92	
For >100 To 250, Add	0.92	
For >250 To 500, Add	0.40	
<b>09 97 13 24-0085 Two 6 Mil High Build Epoxy Finish Coats For Tanks Interior (09 97 13 24-0022)</b>		
09 97 13 24-0086 SF Spray Small Tank Interior Two 6 Mil High Build Epoxy Finish Coats .....	4.69	
For Up To 100, Add	2.62	
For >100 To 250, Add	1.27	
For >250 To 500, Add	0.55	
09 97 13 24-0087 SF Spray Large Tank Interior Two 6 Mil High Build Epoxy Finish Coats.....	2.95	
For Up To 100, Add	1.40	
For >100 To 250, Add	0.70	
For >250 To 500, Add	0.31	
<b>09 97 13 24-0088 One 3 Mil High Zinc Silicate Coat For Tanks (09 97 13 24-0022)</b>		
09 97 13 24-0089 SF Spray Small Vessel/Tank One 3 Mil High Zinc Silicate Coat .....	1.44	
For Up To 100, Add	0.60	
For >100 To 250, Add	0.30	
For >250 To 500, Add	0.14	
09 97 13 24-0090 SF Spray Large Vessel/Tank One 3 Mil High Zinc Silicate Coat .....	1.40	
For Up To 100, Add	0.57	
For >100 To 250, Add	0.29	
For >250 To 500, Add	0.13	
09 97 13 24-0091 SF Spray Tank Interior One 3 Mil High Zinc Silicate Coat.....	2.16	
For Up To 100, Add	1.14	
For >100 To 250, Add	0.56	
For >250 To 500, Add	0.24	
<b>09 97 13 24-0092 Two 1.5 Mil Vinyl Enamel Finish Coats For Tanks (09 97 13 24-0022)</b>		
Note: Installed over existing primer.		
09 97 13 24-0093 SF Spray Small Vessel/Tank Two 1.5 Mil Vinyl Enamel Finish Coats .....	2.28	
For Up To 100, Add	1.16	
For >100 To 250, Add	0.57	
For >250 To 500, Add	0.25	
09 97 13 24-0094 SF Spray Large Vessel/Tank Two 1.5 Mil Vinyl Enamel Finish Coats.....	2.04	
For Up To 100, Add	0.98	
For >100 To 250, Add	0.48	
For >250 To 500, Add	0.21	
09 97 13 24-0095 SF Spray Tank Interior Two 1.5 Mil Vinyl Enamel Finish Coats .....	3.08	
For Up To 100, Add	1.76	
For >100 To 250, Add	0.85	
For >250 To 500, Add	0.37	
<b>09 97 13 24-0096 One 1 Mil Primer And 95 Mil Hot Coal Tar Enamel Finish Coat For Tanks (09 97 13 24-0022)</b>		
09 97 13 24-0097 SF Spray/Mop Large Vessel/Tank One 1 Mil Primer And 95 Mil Hot Coal Tar Enamel Finish Coat.....	7.98	
For Up To 100, Add	4.85	
For >100 To 250, Add	2.32	
For >250 To 500, Add	1.01	
<b>09 97 26 Cementitious Coatings (09 97)</b>		
<b>09 97 26 13 Interior Cementitious Coatings (09 97 26)</b>		
09 97 26 13-0001 Ceramic-Like Glazed Coating (09 97 26 13)		
09 97 26 13-0002 Ceramic-Like Glazed Coating, Cementitious (09 97 26 13-0001)		
09 97 26 13-0003 SF Ceramic-like Glazed Coating, - Cementitious .....	2.56	
09 97 26 13-0004 Ceramic-Like Glazed Coating, Resin Base (09 97 26 13-0001)		
09 97 26 13-0005 SF Ceramic-like Glazed Coating - Resin.....	2.09	
<b>09 97 63 Special Coatings and Protection Systems (09 97)</b>		
09 97 63 00-0001 Acrylic Glazed Coating (09 97 63)		
09 97 63 00-0002 SF Acrylic Glazed Coating.....	1.61	



		<b>Finishes</b>	<b>09</b>	<b>09</b>
		Painting and Coating	09 90	
		Special Coatings	09 97	

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**END OF SECTION 09**

<b>09</b>	<b>09</b>	<b>Finishes</b>
	09 90	Painting and Coating
	09 97	Special Coatings



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>Specialties</b>	<b>10</b>	<b>10</b>
Information Specialties	10 10	
Signage	10 14	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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## 10 Specialties

### 10 10 Information Specialties <sup>(10)</sup>

#### 10 14 Signage <sup>(10 10)</sup>

Note: Where required, signage excludes electrical connection, disconnect, or terminations unless title states otherwise. See CSI section 26 05 19 16-0011 for electrical connection wiring, 26 05 83 00-0130 for terminations.

#### 10 14 53 Traffic Signage <sup>(10 14)</sup>

##### 10 14 53 11 Traffic Signage <sup>(10 14 53)</sup>

10 14 53 11-0001 Traffic Signs <sup>(10 14 53 11)</sup>

10 14 53 11-0002 ReflectORIZED Stop Signs And Other Traffic Signs <sup>(10 14 53 11-0001)</sup>

Note: Excludes posts.

10 14 53 11-0003 Aluminum Engineer Grade Stop Signs <sup>(10 14 53 11-0002)</sup>

10 14 53 11-0004	EA 18" x 18" Aluminum Engineer Grade Stop Sign	68.18		18.64
	For Hi-Intensity Grade, Add	9.27		
	For Diamond Grade, Add	17.61		
10 14 53 11-0005	EA 18" x 24" Aluminum Engineer Grade Stop Sign	79.76		19.71
	For Hi-Intensity Grade, Add	12.12		
	For Diamond Grade, Add	23.03		
10 14 53 11-0006	EA 24" x 24" Aluminum Engineer Grade Stop Sign	86.59		20.71
	For Hi-Intensity Grade, Add	18.52		
	For Diamond Grade, Add	29.35		
10 14 53 11-0007	EA 30" x 30" Aluminum Engineer Grade Stop Sign	101.34		21.79
	For Hi-Intensity Grade, Add	6.94		
	For Diamond Grade, Add	37.60		
10 14 53 11-0008	EA 36" x 36" Aluminum Engineer Grade Stop Sign	138.26		22.79
	For Hi-Intensity Grade, Add	20.39		
	For Diamond Grade, Add	63.96		

10 14 53 11-0009 Steel Engineer Grade Stop Signs <sup>(10 14 53 11-0002)</sup>

10 14 53 11-0010	EA 18" x 18" Reflective Steel Stop Sign, Engineering Grade	102.81		18.64
10 14 53 11-0011	EA 18" x 24" Reflective Steel Stop Sign, Engineering Grade	128.62		19.71
10 14 53 11-0012	EA 24" x 24" Reflective Steel Stop Sign, Engineering Grade	136.49		20.71
10 14 53 11-0013	EA 30" x 30" Reflective Steel Stop Sign, Engineering Grade	194.72		21.79
10 14 53 11-0014	EA 36" x 36" Reflective Steel Stop Sign, Engineering Grade	247.22		22.79

10 14 53 11-0015 Polyethylene Engineer Grade Stop Signs <sup>(10 14 53 11-0002)</sup>

10 14 53 11-0016	EA 18" x 18" Reflective Polyethylene Stop Sign, Engineering Grade	105.24		18.64
10 14 53 11-0017	EA 18" x 24" Reflective Polyethylene Stop Sign, Engineering Grade	134.84		19.71
10 14 53 11-0018	EA 24" x 24" Reflective Polyethylene Stop Sign, Engineering Grade	148.73		20.71
10 14 53 11-0019	EA 30" x 30" Reflective Polyethylene Stop Sign, Engineering Grade	195.29		21.79

10 14 53 11-0020 Other ReflectORIZED Traffic Signs <sup>(10 14 53 11-0002)</sup>

Note: Other traffic signs includes reserve, handicap, visitor, no parking, property, speed limit, tow away, ADA, parking time limit, parking exclusive area, school, traffic/caution, etc. Excludes posts.

10 14 53 11-0021 Aluminum Engineer Grade Traffic Signs <sup>(10 14 53 11-0002)</sup>

10 14 53 11-0022	EA 6" x 12" Aluminum Engineer Grade Traffic Sign	40.79		16.57
	For Hi-Intensity Grade, Add	2.30		
10 14 53 11-0023	EA 6" x 18" Aluminum Engineer Grade Traffic Sign	44.62		16.57
	For Hi-Intensity Grade, Add	3.44		
10 14 53 11-0024	EA 9" x 12" Aluminum Engineer Grade Traffic Sign	44.62		16.57
	For Hi-Intensity Grade, Add	3.44		
10 14 53 11-0025	EA 9" x 15" Aluminum Engineer Grade Traffic Sign	47.49		16.57
	For Hi-Intensity Grade, Add	4.31		
10 14 53 11-0026	EA 9" x 18" Aluminum Engineer Grade Traffic Sign	50.36		16.57
	For Hi-Intensity Grade, Add	5.17		
10 14 53 11-0027	EA 9" x 24" Aluminum Engineer Grade Traffic Sign	58.17		17.61
	For Hi-Intensity Grade, Add	6.89		
10 14 53 11-0028	EA 9" x 48" Aluminum Engineer Grade Traffic Sign	81.14		17.61
	For Hi-Intensity Grade, Add	13.78		
10 14 53 11-0029	EA 12" x 12" Aluminum Engineer Grade Traffic Sign	48.45		16.57
	For Hi-Intensity Grade, Add	4.59		
10 14 53 11-0030	EA 12" x 18" Aluminum Engineer Grade Traffic Sign	58.17		17.61
	For Hi-Intensity Grade, Add	6.89		
10 14 53 11-0031	EA 12" x 24" Aluminum Engineer Grade Traffic Sign	65.83		17.61
	For Hi-Intensity Grade, Add	9.19		
10 14 53 11-0032	EA 12" x 30" Aluminum Engineer Grade Traffic Sign	73.48		17.61
	For Hi-Intensity Grade, Add	11.48		
10 14 53 11-0033	EA 12" x 36" Aluminum Engineer Grade Traffic Sign	81.14		17.61
	For Hi-Intensity Grade, Add	13.78		
10 14 53 11-0034	EA 18" x 18" Aluminum Engineer Grade Traffic Sign	69.65		17.61
	For Hi-Intensity Grade, Add	10.33		



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 53 11-0035	EA	18" x 24" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i>	81.14 13.78	17.61
10 14 53 11-0036	EA	18" x 30" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i>	94.69 17.22	18.64
10 14 53 11-0037	EA	18" x 36" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i>	106.17 20.67	18.64
10 14 53 11-0038	EA	18" x 48" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i>	137.41 27.56	22.79
10 14 53 11-0039	EA	18" x 54" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i>	148.89 31.00	22.79
10 14 53 11-0040	EA	24" x 24" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i>	98.51 18.37	18.64
10 14 53 11-0041	EA	24" x 30" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i>	113.82 22.96	18.64
10 14 53 11-0042	EA	24" x 36" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i>	129.13 27.56	18.64
10 14 53 11-0043	EA	24" x 42" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i>	152.72 32.15	22.79
10 14 53 11-0044	EA	24" x 48" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i>	168.03 36.74	22.79
10 14 53 11-0045	EA	24" x 54" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i>	183.34 41.33	22.79
10 14 53 11-0046	EA	24" x 60" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i>	198.64 45.92	22.79
10 14 53 11-0047	EA	30" x 30" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i>	132.96 28.70	18.64
10 14 53 11-0048	EA	30" x 36" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i>	160.37 34.44	22.79
10 14 53 11-0049	EA	30" x 42" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i>	179.51 40.19	22.79
10 14 53 11-0050	EA	30" x 48" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i>	206.93 45.92	26.92
10 14 53 11-0051	EA	30" x 60" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i>	253.50 57.41	31.07
10 14 53 11-0052	EA	36" x 36" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i>	183.34 41.33	22.79
10 14 53 11-0053	EA	36" x 42" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i>	214.59 48.22	26.92
10 14 53 11-0054	EA	36" x 48" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i>	245.84 55.11	31.07
10 14 53 11-0055	EA	36" x 54" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i>	268.80 62.00	31.07
10 14 53 11-0056	EA	36" x 60" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i>	300.05 68.89	35.21
10 14 53 11-0057	EA	36" x 73" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i>	358.09 83.81	39.35
10 14 53 11-0058	EA	36" x 78" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i>	377.23 89.56	39.35
10 14 53 11-0059	EA	36" x 108" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i>	504.47 124.00	45.56
10 14 53 11-0060	EA	42" x 42" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i>	249.67 56.26	31.07
10 14 53 11-0061	EA	48" x 48" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i>	315.36 73.48	35.21
10 14 53 11-0062	EA	48" x 54" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i>	354.26 82.67	39.35
10 14 53 11-0063	EA	48" x 60" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i>	384.88 91.85	39.35
10 14 53 11-0064	EA	48" x 66" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i>	427.93 101.04	45.56
10 14 53 11-0065	EA	48" x 72" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i>	458.54 110.22	45.56
10 14 53 11-0066	EA	48" x 84" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i>	528.06 128.59	49.71
10 14 53 11-0067	EA	48" x 96" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i>	589.29 146.96	49.71
10 14 53 11-0068	EA	48" x 102" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i>	619.91 156.15	49.71
10 14 53 11-0069	EA	48" x 108" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i>	654.67 165.33	51.78
10 14 53 11-0070	EA	60" x 72" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i>	558.67 137.78	49.71
10 14 53 11-0071	EA	72" x 144" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i>	1,234.77 330.66	66.28
10 14 53 11-0072	EA	78" x 96" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i>	899.60 238.81	51.78
10 14 53 11-0073		<b>Polyethylene Engineer Grade Traffic Signs</b> <small>(10 14 53 11-0020)</small>		
10 14 53 11-0074	EA	6" x 12" Reflective Polyethylene Traffic Sign .....	73.55	15.58
10 14 53 11-0075	EA	12" x 12" Reflective Polyethylene Traffic Sign .....	83.83	16.57
10 14 53 11-0076	EA	12" x 18" Reflective Polyethylene Traffic Sign .....	89.78	17.65
10 14 53 11-0077	EA	18" x 18" Reflective Polyethylene Traffic Sign .....	108.84	18.64
10 14 53 11-0078	EA	18" x 24" Reflective Polyethylene Traffic Sign .....	134.84	19.71





<b>Specialties</b>	<b>10</b>
<b>Information Specialties</b>	<b>10 10</b>
<b>Signage</b>	<b>10 14</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 53 11-0079 EA 24" x 24" Reflective Polyethylene Traffic Sign .....	151.87	19.71
<b>10 14 53 11-0080 Non-Reflectorized Traffic Signs</b> <small>(10 14 53 11-0001)</small>		
Note: Includes reserved parking, handicap parking, visitor parking, no parking, tow away zones, etc. Excludes posts.		
<b>10 14 53 11-0081 Steel Non-Reflectorized Traffic Signs</b> <small>(10 14 53 11-0080)</small>		
10 14 53 11-0082 EA 6" x 12" Steel Non-Reflectorized Traffic Sign .....	39.76	16.57
10 14 53 11-0083 EA 6" x 18" Steel Non-Reflectorized Traffic Sign .....	43.07	16.57
10 14 53 11-0084 EA 9" x 12" Steel Non-Reflectorized Traffic Sign .....	43.07	16.57
10 14 53 11-0085 EA 9" x 15" Steel Non-Reflectorized Traffic Sign .....	45.55	16.57
10 14 53 11-0086 EA 9" x 18" Steel Non-Reflectorized Traffic Sign .....	48.03	16.57
10 14 53 11-0087 EA 9" x 24" Steel Non-Reflectorized Traffic Sign .....	55.06	17.61
10 14 53 11-0088 EA 9" x 48" Steel Non-Reflectorized Traffic Sign .....	74.91	17.61
10 14 53 11-0089 EA 12" x 12" Steel Non-Reflectorized Traffic Sign .....	46.37	16.57
10 14 53 11-0090 EA 12" x 18" Steel Non-Reflectorized Traffic Sign .....	55.06	17.61
10 14 53 11-0091 EA 12" x 24" Steel Non-Reflectorized Traffic Sign .....	61.68	17.61
10 14 53 11-0092 EA 12" x 30" Steel Non-Reflectorized Traffic Sign .....	68.30	17.61
10 14 53 11-0093 EA 12" x 36" Steel Non-Reflectorized Traffic Sign .....	74.91	17.61
10 14 53 11-0094 EA 18" x 18" Steel Non-Reflectorized Traffic Sign .....	64.99	17.61
10 14 53 11-0095 EA 18" x 24" Steel Non-Reflectorized Traffic Sign .....	74.91	17.61
10 14 53 11-0096 EA 18" x 30" Steel Non-Reflectorized Traffic Sign .....	86.91	18.64
10 14 53 11-0097 EA 18" x 36" Steel Non-Reflectorized Traffic Sign .....	96.83	18.64
10 14 53 11-0098 EA 18" x 48" Steel Non-Reflectorized Traffic Sign .....	124.96	22.79
10 14 53 11-0099 EA 18" x 54" Steel Non-Reflectorized Traffic Sign .....	134.89	22.79
10 14 53 11-0100 EA 24" x 24" Steel Non-Reflectorized Traffic Sign .....	90.22	18.64
10 14 53 11-0101 EA 24" x 30" Steel Non-Reflectorized Traffic Sign .....	103.45	18.64
10 14 53 11-0102 EA 24" x 36" Steel Non-Reflectorized Traffic Sign .....	116.68	18.64
10 14 53 11-0103 EA 24" x 42" Steel Non-Reflectorized Traffic Sign .....	138.20	22.79
10 14 53 11-0104 EA 24" x 48" Steel Non-Reflectorized Traffic Sign .....	151.43	22.79
10 14 53 11-0105 EA 24" x 54" Steel Non-Reflectorized Traffic Sign .....	164.67	22.79
10 14 53 11-0106 EA 24" x 60" Steel Non-Reflectorized Traffic Sign .....	177.90	22.79
10 14 53 11-0107 EA 30" x 30" Steel Non-Reflectorized Traffic Sign .....	119.99	18.64
10 14 53 11-0108 EA 30" x 36" Steel Non-Reflectorized Traffic Sign .....	144.82	22.79
10 14 53 11-0109 EA 30" x 42" Steel Non-Reflectorized Traffic Sign .....	161.36	22.79
10 14 53 11-0110 EA 30" x 48" Steel Non-Reflectorized Traffic Sign .....	186.19	26.92
10 14 53 11-0111 EA 30" x 60" Steel Non-Reflectorized Traffic Sign .....	227.57	31.07
10 14 53 11-0112 EA 36" x 36" Steel Non-Reflectorized Traffic Sign .....	164.67	22.79
10 14 53 11-0113 EA 36" x 42" Steel Non-Reflectorized Traffic Sign .....	192.81	26.92
10 14 53 11-0114 EA 36" x 48" Steel Non-Reflectorized Traffic Sign .....	220.95	31.07
10 14 53 11-0115 EA 36" x 54" Steel Non-Reflectorized Traffic Sign .....	240.80	31.07
10 14 53 11-0116 EA 36" x 60" Steel Non-Reflectorized Traffic Sign .....	268.93	35.21
10 14 53 11-0117 EA 36" x 73" Steel Non-Reflectorized Traffic Sign .....	320.23	39.35
10 14 53 11-0118 EA 36" x 78" Steel Non-Reflectorized Traffic Sign .....	336.78	39.35
10 14 53 11-0119 EA 36" x 108" Steel Non-Reflectorized Traffic Sign .....	448.46	45.56
10 14 53 11-0120 EA 42" x 42" Steel Non-Reflectorized Traffic Sign .....	224.26	31.07
10 14 53 11-0121 EA 48" x 48" Steel Non-Reflectorized Traffic Sign .....	282.17	35.21
10 14 53 11-0122 EA 48" x 54" Steel Non-Reflectorized Traffic Sign .....	316.92	39.35
10 14 53 11-0123 EA 48" x 60" Steel Non-Reflectorized Traffic Sign .....	343.39	39.35
10 14 53 11-0124 EA 48" x 66" Steel Non-Reflectorized Traffic Sign .....	382.29	45.56
10 14 53 11-0125 EA 48" x 72" Steel Non-Reflectorized Traffic Sign .....	408.76	45.56
10 14 53 11-0126 EA 48" x 84" Steel Non-Reflectorized Traffic Sign .....	469.98	49.71
10 14 53 11-0127 EA 48" x 96" Steel Non-Reflectorized Traffic Sign .....	522.91	49.71
10 14 53 11-0128 EA 48" x 102" Steel Non-Reflectorized Traffic Sign .....	549.38	49.71
10 14 53 11-0129 EA 48" x 108" Steel Non-Reflectorized Traffic Sign .....	579.99	51.78
10 14 53 11-0130 EA 60" x 72" Steel Non-Reflectorized Traffic Sign .....	496.44	49.71
10 14 53 11-0131 EA 72" x 144" Steel Non-Reflectorized Traffic Sign .....	1,085.42	66.28
10 14 53 11-0132 EA 78" x 96" Steel Non-Reflectorized Traffic Sign .....	791.74	51.78
<b>10 14 53 11-0133 Aluminum Non-Reflectorized Traffic Signs</b> <small>(10 14 53 11-0080)</small>		
10 14 53 11-0134 EA 6" x 12" Aluminum Non-Reflectorized Traffic Sign .....	40.03	16.57
10 14 53 11-0135 EA 6" x 18" Aluminum Non-Reflectorized Traffic Sign .....	43.47	16.57
10 14 53 11-0136 EA 9" x 12" Aluminum Non-Reflectorized Traffic Sign .....	43.47	16.57
10 14 53 11-0137 EA 9" x 15" Aluminum Non-Reflectorized Traffic Sign .....	46.05	16.57
10 14 53 11-0138 EA 9" x 18" Aluminum Non-Reflectorized Traffic Sign .....	48.64	16.57
10 14 53 11-0139 EA 9" x 24" Aluminum Non-Reflectorized Traffic Sign .....	55.87	17.61
10 14 53 11-0140 EA 9" x 48" Aluminum Non-Reflectorized Traffic Sign .....	76.53	17.61
10 14 53 11-0141 EA 12" x 12" Aluminum Non-Reflectorized Traffic Sign .....	46.91	16.57
10 14 53 11-0142 EA 12" x 18" Aluminum Non-Reflectorized Traffic Sign .....	55.87	17.61
10 14 53 11-0143 EA 12" x 24" Aluminum Non-Reflectorized Traffic Sign .....	62.76	17.61
10 14 53 11-0144 EA 12" x 30" Aluminum Non-Reflectorized Traffic Sign .....	69.64	17.61
10 14 53 11-0145 EA 12" x 36" Aluminum Non-Reflectorized Traffic Sign .....	76.53	17.61
10 14 53 11-0146 EA 18" x 18" Aluminum Non-Reflectorized Traffic Sign .....	66.20	17.61
10 14 53 11-0147 EA 18" x 24" Aluminum Non-Reflectorized Traffic Sign .....	76.53	17.61
10 14 53 11-0148 EA 18" x 30" Aluminum Non-Reflectorized Traffic Sign .....	88.93	18.64
10 14 53 11-0149 EA 18" x 36" Aluminum Non-Reflectorized Traffic Sign .....	99.26	18.64
10 14 53 11-0150 EA 18" x 48" Aluminum Non-Reflectorized Traffic Sign .....	128.20	22.79
10 14 53 11-0151 EA 18" x 54" Aluminum Non-Reflectorized Traffic Sign .....	138.53	22.79
10 14 53 11-0152 EA 24" x 24" Aluminum Non-Reflectorized Traffic Sign .....	92.37	18.64



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 53 11-0153 EA 24" x 30" Aluminum Non-Reflectorized Traffic Sign .....	106.15	18.64
10 14 53 11-0154 EA 24" x 36" Aluminum Non-Reflectorized Traffic Sign .....	119.92	18.64
10 14 53 11-0155 EA 24" x 42" Aluminum Non-Reflectorized Traffic Sign .....	141.97	22.79
10 14 53 11-0156 EA 24" x 48" Aluminum Non-Reflectorized Traffic Sign .....	155.75	22.79
10 14 53 11-0157 EA 24" x 54" Aluminum Non-Reflectorized Traffic Sign .....	169.52	22.79
10 14 53 11-0158 EA 24" x 60" Aluminum Non-Reflectorized Traffic Sign .....	183.29	22.79
10 14 53 11-0159 EA 30" x 30" Aluminum Non-Reflectorized Traffic Sign .....	123.36	18.64
10 14 53 11-0160 EA 30" x 36" Aluminum Non-Reflectorized Traffic Sign .....	148.86	22.79
10 14 53 11-0161 EA 30" x 42" Aluminum Non-Reflectorized Traffic Sign .....	166.08	22.79
10 14 53 11-0162 EA 30" x 48" Aluminum Non-Reflectorized Traffic Sign .....	191.58	26.92
10 14 53 11-0163 EA 30" x 60" Aluminum Non-Reflectorized Traffic Sign .....	234.31	31.07
10 14 53 11-0164 EA 36" x 36" Aluminum Non-Reflectorized Traffic Sign .....	169.52	22.79
10 14 53 11-0165 EA 36" x 42" Aluminum Non-Reflectorized Traffic Sign .....	198.47	26.92
10 14 53 11-0166 EA 36" x 48" Aluminum Non-Reflectorized Traffic Sign .....	227.42	31.07
10 14 53 11-0167 EA 36" x 54" Aluminum Non-Reflectorized Traffic Sign .....	248.08	31.07
10 14 53 11-0168 EA 36" x 60" Aluminum Non-Reflectorized Traffic Sign .....	277.02	35.21
10 14 53 11-0169 EA 36" x 73" Aluminum Non-Reflectorized Traffic Sign .....	330.08	39.35
10 14 53 11-0170 EA 36" x 78" Aluminum Non-Reflectorized Traffic Sign .....	347.29	39.35
10 14 53 11-0171 EA 36" x 108" Aluminum Non-Reflectorized Traffic Sign .....	463.02	45.56
10 14 53 11-0172 EA 42" x 42" Aluminum Non-Reflectorized Traffic Sign .....	230.87	31.07
10 14 53 11-0173 EA 48" x 48" Aluminum Non-Reflectorized Traffic Sign .....	290.80	35.21
10 14 53 11-0174 EA 48" x 54" Aluminum Non-Reflectorized Traffic Sign .....	326.63	39.35
10 14 53 11-0175 EA 48" x 60" Aluminum Non-Reflectorized Traffic Sign .....	354.18	39.35
10 14 53 11-0176 EA 48" x 66" Aluminum Non-Reflectorized Traffic Sign .....	394.16	45.56
10 14 53 11-0177 EA 48" x 72" Aluminum Non-Reflectorized Traffic Sign .....	421.70	45.56
10 14 53 11-0178 EA 48" x 84" Aluminum Non-Reflectorized Traffic Sign .....	485.08	49.71
10 14 53 11-0179 EA 48" x 96" Aluminum Non-Reflectorized Traffic Sign .....	540.17	49.71
10 14 53 11-0180 EA 48" x 102" Aluminum Non-Reflectorized Traffic Sign .....	567.72	49.71
10 14 53 11-0181 EA 48" x 108" Aluminum Non-Reflectorized Traffic Sign .....	599.41	51.78
10 14 53 11-0182 EA 60" x 72" Aluminum Non-Reflectorized Traffic Sign .....	512.62	49.71
10 14 53 11-0183 EA 72" x 144" Aluminum Non-Reflectorized Traffic Sign .....	1,124.25	66.28
10 14 53 11-0184 EA 78" x 96" Aluminum Non-Reflectorized Traffic Sign .....	819.78	51.78
<b>10 14 53 11-0185 Polyethylene Non-Reflectorized Traffic Signs (10 14 53 11-0080)</b>		
10 14 53 11-0186 EA 6" x 12" Non-Reflective Polyethylene Traffic Sign .....	61.57	15.58
10 14 53 11-0187 EA 12" x 12" Non-Reflective Polyethylene Traffic Sign .....	67.41	16.57
10 14 53 11-0188 EA 12" x 18" Non-Reflective Polyethylene Traffic Sign .....	72.65	17.65
10 14 53 11-0189 EA 18" x 18" Non-Reflective Polyethylene Traffic Sign .....	96.60	18.64
10 14 53 11-0190 EA 18" x 24" Non-Reflective Polyethylene Traffic Sign .....	103.58	19.71
10 14 53 11-0191 EA 24" x 24" Non-Reflective Polyethylene Traffic Sign .....	120.64	20.71
<b>10 14 53 11-0192 Signs For Overhead Sign Structures (10 14 53 11-0001)</b>		
Note: Including horizontal Z-bars.		
10 14 53 11-0193 SF From 30 To 360 SF Signs For Overhead Sign Structures .....	25.00	
For Over 10' High, Add	13.00	
10 14 53 11-0194 VLF Vertical Sign Hangers For Overhead Sign Structures, Per Hanger .....	32.50	
Note: Includes U-bolts, vertical aluminum Z-bars, clip angles and stainless steel hardware.		
<b>10 14 53 11-0195 Flashing Beacon (10 14 53 11-0001)</b>		
10 14 53 11-0196 EA Flashing Beacon Assembly .....	1,231.15	144.84
<b>10 14 53 11-0197 Aluminum Street Signs (10 14 53 11-0001)</b>		
Note: Excludes posts.		
<b>10 14 53 11-0198 Aluminum Engineer Grade Street Signs (10 14 53 11-0197)</b>		
10 14 53 11-0199 EA 6" High, Aluminum Engineer Grade Street Sign .....	79.87	8.28
10 14 53 11-0200 EA 8" High, Aluminum Engineer Grade Street Sign .....	91.04	8.28
10 14 53 11-0201 EA 9" High, Aluminum Engineer Grade Street Sign .....	99.36	8.28
<b>10 14 53 11-0202 Street Sign Accessories (10 14 53 11-0197)</b>		
10 14 53 11-0203 EA Single Bracket And Post Cap For Street Sign .....	23.51	4.15
10 14 53 11-0204 EA Double Bracket And Post Cap For Street Sign .....	23.51	4.15
<b>10 14 53 11-0205 Sign Posts (10 14 53 11-0001)</b>		
Note: Excludes sign. See CSI section 32 31 13 13-0001 for auguring of holes and backfill.		
<b>10 14 53 11-0206 U-Channel Sign Posts (10 14 53 11-0205)</b>		
Note: Excludes digging and concrete.		
<b>10 14 53 11-0207 Baked Enamel U-Channel Sign Posts (10 14 53 11-0206)</b>		
10 14 53 11-0208 EA 3' To 4' Baked Enamel U-Channel Sign Post Base .....	60.39	16.99
10 14 53 11-0209 EA 6' Baked Enamel U-Channel Sign Post .....	79.62	21.23
10 14 53 11-0210 EA 7' Baked Enamel U-Channel Sign Post .....	95.02	25.48
10 14 53 11-0211 EA 8' Baked Enamel U-Channel Sign Post .....	111.29	29.73
10 14 53 11-0212 EA 10' Baked Enamel U-Channel Sign Post .....	134.22	36.10
10 14 53 11-0213 EA 12' Baked Enamel U-Channel Sign Post .....	138.45	36.10



<b>Specialties</b>	<b>10</b>	<b>10</b>
Information Specialties	10 10	
Signage	10 14	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>10 14 53 11-0214 Galvanized Steel U-Channel Sign Posts</b> <small>(10 14 53 11-0206)</small>		
10 14 53 11-0215 EA 3' To 4' Galvanized Steel U-Channel Sign Post Base.....	65.83	16.99
10 14 53 11-0216 EA 6' Galvanized Steel U-Channel Sign Post.....	88.26	21.23
10 14 53 11-0217 EA 7' Galvanized Steel U-Channel Sign Post.....	114.57	25.48
10 14 53 11-0218 EA 8' Galvanized Steel U-Channel Sign Post.....	132.90	29.73
10 14 53 11-0219 EA 10' Galvanized Steel U-Channel Sign Post.....	149.95	36.10
10 14 53 11-0220 EA 12' Galvanized Steel U-Channel Sign Post.....	152.14	36.10
<b>10 14 53 11-0221 Fiberglass Or Composite Plastic U-Channel Sign Posts</b> <small>(10 14 53 11-0206)</small>		
10 14 53 11-0222 EA 3' To 4' Fiberglass Or Composite Plastic U-Channel Sign Post Base.....	59.11	16.99
10 14 53 11-0223 EA 6' Fiberglass Or Composite Plastic U-Channel Sign Post.....	76.83	21.23
10 14 53 11-0224 EA 7' Fiberglass Or Composite Plastic U-Channel Sign Post.....	91.65	25.48
10 14 53 11-0225 EA 8' Fiberglass Or Composite Plastic U-Channel Sign Post.....	107.27	29.73
10 14 53 11-0226 EA 10' Fiberglass Or Composite Plastic U-Channel Sign Post.....	126.93	36.10
10 14 53 11-0227 EA 12' Fiberglass Or Composite Plastic U-Channel Sign Post.....	134.13	36.10
<b>10 14 53 11-0228 Tubular Sign Posts</b> <small>(10 14 53 11-0205)</small>		
Note: Excludes digging and concrete.		
<b>10 14 53 11-0229 2-3/8" Diameter, Galvanized Steel Tubular Sign Post</b> <small>(10 14 53 11-0228)</small>		
10 14 53 11-0230 EA 6', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post.....	89.16	21.23
10 14 53 11-0231 EA 7', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post.....	105.70	25.48
10 14 53 11-0232 EA 8', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post.....	124.98	29.73
10 14 53 11-0233 EA 10', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post.....	161.77	36.10
10 14 53 11-0234 EA 12', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post.....	176.61	36.10
<b>10 14 53 11-0235 Square Sign Posts</b> <small>(10 14 53 11-0205)</small>		
Note: Excludes digging and concrete.		
<b>10 14 53 11-0236 Galvanized Steel Square Sign Posts</b> <small>(10 14 53 11-0235)</small>		
10 14 53 11-0237 EA 3' To 4' Galvanized Steel Square Sign Post Base.....	67.04	16.99
10 14 53 11-0238 EA 6' Galvanized Steel Square Sign Post.....	108.73	21.23
10 14 53 11-0239 EA 7' Galvanized Steel Square Sign Post.....	127.31	25.48
10 14 53 11-0240 EA 8' Galvanized Steel Square Sign Post.....	148.49	29.73
10 14 53 11-0241 EA 10' Galvanized Steel Square Sign Post.....	181.39	36.10
10 14 53 11-0242 EA 12' Galvanized Steel Square Sign Post.....	191.75	36.10
<b>10 14 53 11-0243 Other Sign Posts And Bases</b> <small>(10 14 53 11-0001)</small>		
Note: For breakaway post systems, base posts are driven in, sign posts bolted to base post using lap splice hardware kit.		
<b>10 14 53 11-0244 2.5 LB/FT Breakaway Sign Posts And Base Posts</b> <small>(10 14 53 11-0243)</small>		
<b>10 14 53 11-0245 Base Posts, 2.5 LB/LF, For Breakaway Sign Posts</b> <small>(10 14 53 11-0244)</small>		
10 14 53 11-0246 EA Base Post for 2.5 LB/LF Breakaway Sign Post.....	89.97	20.71
10 14 53 11-0247 EA Lap Splice Hardware For 2.5 LB/LF Breakaway Sign Post.....	56.83	16.57
<b>10 14 53 11-0248 Breakaway Sign Posts, 2.5 LB/LF</b> <small>(10 14 53 11-0244)</small>		
10 14 53 11-0249 LF 2.5 LB/LF Breakaway Sign Post.....	12.00	2.07
<b>10 14 53 11-0250 4 LB/FT Breakaway Sign Posts And Base Posts</b> <small>(10 14 53 11-0243)</small>		
<b>10 14 53 11-0251 Base Posts, 4 LB/LF, For Breakaway Sign Posts</b> <small>(10 14 53 11-0250)</small>		
10 14 53 11-0252 EA Base Post For 4 LB/LF Breakaway Sign Post.....	94.44	24.85
10 14 53 11-0253 EA Lap Splice Hardware for 4 LB/LF Breakaway Sign Post.....	56.83	16.57
<b>10 14 53 11-0254 Breakaway Sign Posts, 4 LB/LF</b> <small>(10 14 53 11-0250)</small>		
10 14 53 11-0255 LF 4 LB/LF Breakaway Sign Post.....	14.77	2.07
<b>10 14 53 11-0256 Driven Sign Posts</b> <small>(10 14 53 11-0243)</small>		
<b>10 14 53 11-0257 Driven Posts, 2.5 LB/LF</b> <small>(10 14 53 11-0256)</small>		
10 14 53 11-0258 LF 2.5 LB/LF Driven Post.....	12.83	2.90
<b>10 14 53 11-0259 Driven Posts, 4 LB/LF</b> <small>(10 14 53 11-0256)</small>		
10 14 53 11-0260 LF 4 LB/LF Driven Post.....	16.01	3.31
<b>10 14 53 11-0261 Omni-Directional Breakaway System For Sign Posts And Light Poles</b> <small>(10 14 53 11-0243)</small>		

<b>10</b>	<b>10</b>	<b>Specialties</b>
	<b>10 10</b>	<b>Information Specialties</b>
	<b>10 14</b>	<b>Signage</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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10 14 53 11-0262	<b>Omni-Directional Breakaway Systems For Signs</b> <small>(10 14 53 11-0261)</small> Note: Break-Safe as manufactured by Trampo Industries. Tasks are organized by post type and size. Includes hinges, anchors, all associated parts and drilling.		
10 14 53 11-0263 EA	Omni-Directional Breakaway System For 6" To 8" Wide Flange (Trampo B525).....	1,409.56	
10 14 53 11-0264 EA	Omni-Directional Breakaway System For 10" To 21" Wide Flange (Trampo B650).....	1,501.87	
10 14 53 11-0265 EA	Omni-Directional Breakaway System For Standard I Beam Or W6x9 Flange (Trampo A14 And A16).....	1,029.65	
10 14 53 11-0266 EA	Omni-Directional Breakaway System For 3" To 4.5" Outside Diameter Pipe (Trampo A3 And A4.5).....	901.84	
10 14 53 11-0267 EA	Omni-Directional Breakaway System For Square Tube (Trampo AS3 And AS4).....	1,022.55	
10 14 53 11-0268 EA	Omni-Directional Breakaway System For U-Channels (Trampo AU4 To AU6).....	972.83	
10 14 53 11-0269 EA	Omni-Directional Breakaway System For U-Channels Embedded (Trampo AUX4 To AUX6).....	1,054.49	
10 14 53 11-0270	<b>Omni-Directional Breakaway Systems For Poles</b> <small>(10 14 53 11-0261)</small> Note: Pole-Safe as Manufactured by Trampo Industries. Tasks are organized by bolt size. Includes four couplings, all associated parts, drilling and can be for new or for retro-fitting existing poles.		
10 14 53 11-0271 EA	Omni-Directional Breakaway System For Poles With 5/8" Couplings.....	472.89	
10 14 53 11-0272 EA	Omni-Directional Breakaway System For Poles With 3/4" Couplings.....	495.78	
10 14 53 11-0273 EA	Omni-Directional Breakaway System For Poles With 1" Couplings.....	514.84	
10 14 53 11-0274 EA	Omni-Directional Breakaway System For Poles With 1 1/4" Couplings.....	781.81	
10 14 53 11-0275 EA	Skirt For Omni-Directional Breakaway System For Poles With Bolt Circle Diameter Of 10" To Less Than 15".....	68.64	
10 14 53 11-0276 EA	Skirt For Omni-Directional Breakaway System For Poles With Bolt Circle Diameter Of 15" To 20".....	91.53	
10 14 53 11-0277	<b>Wood Posts</b> <small>(10 14 53 11-0243)</small> Note: The quantity is the total length, including the buried portion. See CSI section 32 31 13 13-0001 for augering and filling holes for bollards, 32 31 13 13-0018 for concrete fill.		
10 14 53 11-0278 LF	4" x 4" Pressure Treated Wood Sign Post.....	9.69	
10 14 53 11-0279	<b>Sign Post Accessories</b> <small>(10 14 53 11-0001)</small>		
10 14 53 11-0280	<b>Sign Post Brackets</b> <small>(10 14 53 11-0279)</small>		
10 14 53 11-0281 EA	2-3/8" Outside Diameter, Single Side Sign Bracket Set..... Note: Includes 2 single side sign post brackets	47.07	6.21
10 14 53 11-0282 EA	2-3/8" Outside Diameter, Double Side Sign Bracket Set..... Note: Includes 2 double side sign post brackets	62.34	10.36
10 14 53 11-0283 EA	4" To 12" Diameter, Buckle Bracket Set..... Note: Includes 2 stainless steel straps, 2 brackets and fastener hardware	56.69	8.28
10 14 53 11-0284	<b>Sign Post Caps</b> <small>(10 14 53 11-0279)</small>		
10 14 53 11-0285 EA	2-3/8" Diameter, Galvanized, Flat Traffic Sign Post Cap (EC-2).....	21.20	4.15
10 14 53 11-0286	<b>Sign Post Replacement Bolts</b> <small>(10 14 53 11-0279)</small>		
10 14 53 11-0287 EA	Signage Fasteners Replacement..... Note: Includes two 5/16" x 2" long bolts, two 5/16" nuts And four 5/16" washers	14.47	
10 14 53 11-0288	<b>Reflective Panels For "U" Channel Post</b> <small>(10 14 53 11-0279)</small>		
10 14 53 11-0289 EA	3" x 72" Reflective Panel For "U-Channel" Post..... Note: Diamond grade panel including mounting hardware.	63.30	
10 14 53 11-0290	<b>Removal Of Signs</b> <small>(10 14 53 11)</small> Note: Includes structural supports.		
10 14 53 11-0291 EA	>4 To 10 SF Sign Area, Sign Removal.....	165.70	
10 14 53 11-0292 EA	>10 To 20 SF Sign Area, Sign Removal.....	397.68	
10 14 53 11-0293 EA	>20 To 40 SF Sign Area, Sign Removal.....	596.51	
10 14 53 11-0294 EA	>40 To 100 SF Sign Area, Sign Removal.....	1,035.36	
10 14 53 11-0295	<b>Removal And Reinstallation Of Signs</b> <small>(10 14 53 11)</small> Note: Includes structural supports.		
10 14 53 11-0296 EA	>4 To 10 SF Sign Area, Removal And Reinstallation Of Sign.....	253.30	
10 14 53 11-0297 EA	>10 To 20 SF Sign Area, Removal And Reinstallation Of Sign.....	599.90	
10 14 53 11-0298 EA	>20 SF To 40 SF Sign Area, Removal And Reinstallation Of Sign.....	897.66	
10 14 53 11-0299 EA	>40 SF To 100 SF Sign Area, Removal And Reinstallation Of Sign.....	1,555.73	
10 14 53 11-0300 EA	Removal And Reinstallation Of Street Sign On Post.....	95.28	
10 14 53 11-0301 EA	Removal And Relocation Of Traffic Light..... Note: Excludes electrical hookup.	356.24	

**END OF SECTION 10**



<b>Equipment</b>	<b>11</b>	
Entertainment and Recreation Equipment	11 60	11
Play Field Equipment and Structures	11 68	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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## 11 Equipment

### 11 60 Entertainment and Recreation Equipment <sup>(11)</sup>

#### 11 68 Play Field Equipment and Structures <sup>(11 60)</sup>

##### 11 68 13 Playground Equipment <sup>(11 68)</sup>

See CSI section 32 31 13 13-0001 for augering holes and fill for posts.

11 68 13 00-0001	PR	Standalone Playground Equipment <sup>(11 68 13)</sup>		
11 68 13 00-0002		Ground Socket For Movable Posts <sup>(11 68 13 00-0001)</sup>		
11 68 13 00-0003	PR	Ground Socket For 2-3/8" Post For Playground Equipment	282.01	56.21
11 68 13 00-0004	PR	Ground Socket For 3-1/2" Post For Playground Equipment	443.81	56.21
11 68 13 00-0005		See-Saws <sup>(11 68 13 00-0001)</sup>		
11 68 13 00-0006		Steel See-Saw <sup>(11 68 13 00-0005)</sup>		
11 68 13 00-0007	EA	2 Unit Steel See-Saw	2,421.70	345.96
11 68 13 00-0008	EA	4 Unit Steel See-Saw	3,977.00	408.82
11 68 13 00-0009	EA	6 Unit Steel See-Saw	5,538.48	499.69
11 68 13 00-0010		14' Long Laminated Beam <sup>(11 68 13 00-0005)</sup>		
11 68 13 00-0011	EA	Beam Is Supported By Two 12 In x 12 In Stepping Column Posts	2,627.26	305.90
11 68 13 00-0012	EA	Beam Is Supported By Two 8 In x 8 In Posts	1,804.76	272.49
11 68 13 00-0013		Slides <sup>(11 68 13 00-0001)</sup>		
11 68 13 00-0014	EA	8' Long x 4' High Slide With Stainless Steel Bed	3,058.34	395.59
11 68 13 00-0015	EA	12' Long x 6' High Slide With Stainless Steel Bed	4,271.77	562.15
11 68 13 00-0016	EA	16' Long x 8' High Slide With Stainless Steel Bed	4,730.02	624.61
11 68 13 00-0017	EA	20' Long x 10' High Slide With Stainless Steel Bed	5,991.85	691.90
11 68 13 00-0018	EA	6' High, 360 Degree One Piece Molded Polyethylene Slide	21,250.43	1,088.40
11 68 13 00-0019	EA	7' High, 360 Degree Slide, Stainless Steel Bed	19,437.44	1,122.80
11 68 13 00-0020	EA	9' High, 360 Degree Slide, Stainless Steel Bed	24,563.09	1,180.10
11 68 13 00-0021		Whirlers <sup>(11 68 13 00-0001)</sup>		
11 68 13 00-0022	EA	8' Diameter Whirler	6,584.01	749.54
11 68 13 00-0023	EA	10' Diameter Whirler	7,635.62	899.44
11 68 13 00-0024		Other Standalone Playground Equipment <sup>(11 68 13 00-0001)</sup>		
11 68 13 00-0025		Miscellaneous Standalone Playground Equipment <sup>(11 68 13 00-0024)</sup>		
11 68 13 00-0026	EA	Horizontal Ladder	2,122.58	200.24
11 68 13 00-0027	EA	Tether Ball Post	356.86	39.14
11 68 13 00-0028	PR	10'-6" Long Multiple Purpose Post	541.30	69.21
11 68 13 00-0029	EA	3-Person Fiberglass Golf Tee Shelter Turntable	9,504.55	195.54
11 68 13 00-0030	EA	Horizontal Turning Bars, 1 Bar	668.01	104.49
11 68 13 00-0031	EA	Horizontal Turning Bars, 2 Bars	907.52	124.89
11 68 13 00-0032	EA	Horizontal Turning Bars, 3 Bars	1,224.15	166.52
11 68 13 00-0033	EA	Horizontal Turning Bars, 5 Bars	1,794.58	228.97
11 68 13 00-0034	EA	Top Goal Opening With 4 Exit Holes (One Each Side) And 8' Pole	1,924.30	95.33
11 68 13 00-0035	EA	Top Goal Opening With 4 Exit Holes (One Each Side) And 10' Pole	2,119.25	102.91
11 68 13 00-0036	EA	Coil Spring With Single Riding Aluminum Saddle Devices	2,070.64	110.32
11 68 13 00-0037	EA	"C" Spring With Single Riding Aluminum Saddle Devices	2,165.08	94.91
11 68 13 00-0038	EA	Rubber Spring With Single Riding Aluminum Saddle Devices	2,663.23	124.31
11 68 13 00-0039	EA	Coil Spring Assembly Only	521.38	45.71
11 68 13 00-0040	EA	"C" Spring Assembly Only	346.41	30.47
11 68 13 00-0041	EA	Rubber Spring Assembly Only	247.39	59.44
11 68 13 00-0042	EA	Footbuck Assembly Only	90.01	7.99
11 68 13 00-0043	EA	Two Seat, Two Spring Action Cars (4'-8" x 2'-8")	2,357.04	114.32
11 68 13 00-0044		Freestanding Panels <sup>(11 68 13 00-0024)</sup>		
Note: Rotomolded polyethylene.				
11 68 13 00-0045	EA	Tic-Tac-Toe Panel	1,003.58	48.95
11 68 13 00-0046	EA	24" Bubble Panel	1,503.40	73.35
11 68 13 00-0047	EA	Fire Engine Panel	2,206.29	107.66
11 68 13 00-0048	EA	Flat Mirror Panel	1,765.03	86.17
11 68 13 00-0049	EA	Wavy Mirror Panel	2,612.40	127.56
11 68 13 00-0050	EA	Paint Time Panel	1,694.74	82.76
11 68 13 00-0051	EA	Phone Time Panel	1,202.73	58.69
11 68 13 00-0052	EA	Phone Time With Graphic Panel	1,202.73	58.69
11 68 13 00-0053	EA	Race Time Panel	2,108.67	102.91
11 68 13 00-0054	EA	Rescue 911 Panel	2,140.38	102.91

**11 Equipment**  
**11 60 Entertainment and Recreation Equipment**  
**11 68 Play Field Equipment and Structures**



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0055	EA	Eastern/Central/Western States Panel .....	1,151.96	56.20
11 68 13 00-0056	EA	Career People Panel.....	1,308.15	63.86
11 68 13 00-0057	EA	Solar System Panel .....	1,308.15	63.86
11 68 13 00-0058	EA	Animals Panel.....	1,308.15	63.86
<b>11 68 13 00-0059</b>		<b>Freestanding Panels Uprights</b> <small>(11 68 13 00-0024)</small>		
11 68 13 00-0060	EA	3-1/2" Outside Diameter End Panel Upright.....	308.59	27.48
11 68 13 00-0061	EA	3-1/2" Outside Diameter 90 Degree Upright .....	334.31	29.72
11 68 13 00-0062	EA	3-1/2" Outside Diameter 180 Degree Upright .....	334.31	29.72
11 68 13 00-0063	EA	3-1/2" Outside Diameter "T-Shaped" Upright.....	355.75	31.64
<b>11 68 13 00-0064</b>		<b>Coasters</b> <small>(11 68 13 00-0024)</small>		
11 68 13 00-0065	EA	12' Single Metal Coaster With Four Posts .....	7,773.78	333.04
11 68 13 00-0066	EA	18' Single Metal Coaster With Four Posts .....	8,682.89	416.30
11 68 13 00-0067	EA	12' Double Metal Coaster With Four Posts .....	12,583.71	499.56
11 68 13 00-0068	EA	18' Double Metal Coaster With Four Posts .....	14,297.73	624.45
<b>11 68 13 00-0069</b>		<b>Climbers</b> <small>(11 68 13 00-0024)</small>		
11 68 13 00-0070	EA	Tower Climber, 3.17' Diameter x 7.25' High.....	1,388.24	222.47
11 68 13 00-0071	EA	Arch Climber, 2' x 12' x 4.5' High .....	1,260.33	272.42
11 68 13 00-0072	EA	Arch Climber, 2' x 15' x 5.83' High .....	1,373.40	222.47
11 68 13 00-0073	EA	Arch Climber, 2' x 17' x 6.58' High .....	1,480.47	272.42
11 68 13 00-0074	EA	Rainbow Climber, 2' x 10'-5" x 4' High .....	1,589.80	222.22
11 68 13 00-0075	EA	Rainbow Climber, 2' x 10'-5" x 5' High .....	1,788.01	222.31
11 68 13 00-0076	EA	Rainbow Climber, 2' x 12'-5" x 6' High .....	2,091.71	222.31
11 68 13 00-0077	EA	Rainbow Climber, 2' x 15'-4" x 7' High .....	2,290.25	222.22
11 68 13 00-0078	EA	Double Level Arch Climber, 6' Wide x 12'-6" x 6' High Upper Section / 5' High Lower Section.....	2,765.13	260.18
11 68 13 00-0079	EA	12' Long Horizontal Ladder Climber.....	2,255.74	194.29
11 68 13 00-0080	EA	14' Long Horizontal Ladder Climber.....	2,289.14	194.29
11 68 13 00-0081	EA	16' Long Horizontal Ladder Climber.....	2,510.34	194.29
11 68 13 00-0082	EA	Bell Climber, 7'-5" High With Double Bars .....	2,345.41	249.78
11 68 13 00-0083	EA	2-Way Climber.....	1,965.03	200.24
11 68 13 00-0084	EA	4-Way Climber.....	3,165.78	200.24
<b>11 68 13 00-0085</b>		<b>Swings</b> <small>(11 68 13 00-0001)</small>		
<b>11 68 13 00-0086</b>		<b>Two-Leg-End Swings, 2-3/8" Diameter Galvanized Steel Top Rail</b> <small>(11 68 13 00-0085)</small>		
		Note: Legs, 1-7/8" diameter, traditional.		
11 68 13 00-0087	EA	8' High Top Rail, One Section Two Seats.....	1,823.85	305.90
		For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	213.41	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	246.30	
11 68 13 00-0088	EA	8' High Top Rail, Two Sections Four Seats .....	2,918.88	437.72
		For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	343.00	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	401.49	
11 68 13 00-0089	EA	8' High Top Rail, Three Sections, Six Seats .....	4,036.33	644.10
		For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	473.86	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	552.94	
11 68 13 00-0090	EA	8' High Top Rail, Four Sections, Eight Seats .....	5,063.87	749.54
		For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	595.50	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	698.75	
11 68 13 00-0091	EA	10' High Top Rail, One Section Two Seats.....	1,951.80	305.90
		For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	229.40	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	268.69	
11 68 13 00-0092	EA	10' High Top Rail, Two Section Four Seats .....	3,043.84	466.21
		For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	356.53	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	412.94	
11 68 13 00-0093	EA	10' High Top Rail, Three Sections, Six Seats .....	4,194.54	723.96
		For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	489.83	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	561.61	
11 68 13 00-0094	EA	10' High Top Rail, Four Sections, Eight Seats .....	5,568.67	874.46
		For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	652.34	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	755.82	
<b>11 68 13 00-0095</b>		<b>Three-Leg-End Swings, 2-3/8" Diameter Galvanized Steel Top Rail</b> <small>(11 68 13 00-0085)</small>		
		Note: Legs, 1-7/8" diameter, traditional.		
11 68 13 00-0096	EA	8' High Top Rail, One Section, Two Seats .....	2,108.45	270.17
		For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	250.05	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	301.43	
11 68 13 00-0097	EA	8' High Top Rail, Two Sections, Four Seats .....	3,060.30	392.01
		For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	362.94	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	437.56	
11 68 13 00-0098	EA	8' High Top Rail, Three Sections, Six Seats .....	4,082.43	524.26
		For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	484.09	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	583.36	
11 68 13 00-0099	EA	8' High Top Rail, Four Sections, Eight Seats .....	5,110.89	624.61
		For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	607.63	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	738.23	



<b>Equipment</b>	<b>11</b>
<b>Entertainment and Recreation Equipment</b>	<b>11 60</b>
<b>Play Field Equipment and Structures</b>	<b>11 68</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0100 EA 10' High Top Rail, One Section, Two Seats..... <i>For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add</i> <i>For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add</i>	2,377.82 282.00 340.00	304.48
11 68 13 00-0101 EA 10' High Top Rail, One Section Three Seats ..... <i>For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add</i> <i>For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add</i>	2,486.92 295.48 358.31	322.89
11 68 13 00-0102 EA 10' High Top Rail, Two Sections, Four Seats ..... <i>For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add</i> <i>For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add</i>	3,319.15 393.58 474.28	426.24
11 68 13 00-0103 EA 10' High Top Rail, Two Sections, Six Seats..... <i>For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add</i> <i>For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add</i>	4,007.32 477.51 584.24	491.36
11 68 13 00-0104 EA 10' High Top Rail, Three Section, Six Seats ..... <i>For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add</i> <i>For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add</i>	4,418.29 523.93 631.43	567.07
11 68 13 00-0105 EA 10' High Top Rail, Three Sections, Nine Seats..... <i>For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add</i> <i>For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add</i>	5,528.47 659.82 811.31	624.86
11 68 13 00-0106 EA 10' High Top Rail, Four Section, Eight Seats ..... <i>For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add</i> <i>For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add</i>	5,594.29 661.80 791.57	749.54
11 68 13 00-0107 EA 12' High Top Rail, One Section Three Seats ..... <i>For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add</i> <i>For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add</i>	2,603.17 309.64 376.77	330.71
11 68 13 00-0108 EA 12' High Top Rail, Two Sections, Six Seats..... <i>For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add</i> <i>For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add</i>	4,236.57 504.22 614.67	532.09
11 68 13 00-0109 EA 12' High Top Rail, Three Sections, Nine Seats..... <i>For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add</i> <i>For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add</i>	6,141.06 725.99 866.48	852.22
<b>11 68 13 00-0110 Swing Accessories</b> <small>(11 68 13 00-0085)</small>		
11 68 13 00-0111 EA Enclosed Tot Seat With Chain And Hardware .....	635.18	25.08
11 68 13 00-0112 EA Bucket Seat With Chain And Hardware .....	528.04	20.86
11 68 13 00-0113 EA Belt Seat With Chain And Hardware.....	562.48	22.27
11 68 13 00-0114 EA Seat With Chain And Hardware.....	554.83	21.94
11 68 13 00-0115 EA Wide Seat With Chain And Hardware.....	585.66	23.18
11 68 13 00-0116 EA Handi Seat With Chain And Hardware.....	1,748.64	69.13
11 68 13 00-0117 LF 0.4 LB/LF Replacement Chain.....	7.23	0.49
11 68 13 00-0118 LF 1 LB/LF Replacement Chain.....	13.42	0.99
11 68 13 00-0119 EA Swing Hanger Replacement.....	78.45	5.71
<b>11 68 23 Exterior Court Athletic Equipment</b> <small>(11 68)</small>		
<b>11 68 23 13 Exterior Basketball Equipment</b> <small>(11 68 23)</small>		
<b>11 68 23 13-0001 Basketball Systems</b> <small>(11 68 23 13)</small>		
<i>See CSI section 32 31 13 13-0001 for auguring holes and concrete.</i>		
11 68 23 13-0002 EA 4-1/2" Bent Post Galvanized Steel Pole With 4' Extension, Aluminum Backboard, Double Rim Goal And Steel Net Basketball System (Sportsplay 541-616).....	2,383.48	253.95
11 68 23 13-0003 EA 5-9/16" Bent Post Galvanized Steel Pole With 6' Extension Style, Aluminum Backboard, Double Rim Goal And Nylon Net Basketball System (Porter Athletic 00176-230) .....	4,278.78	279.34
<i>For Fan Shaped Fiberglass Backboard, Deduct</i>		
<i>For 42" x 72" Perforated Steel Backboard, Add</i>		
11 68 23 13-0004 EA 4-1/2" Galvanized Steel Pole With 4' Extension, Aluminum Backboard, Double Rim Goal And Nylon Net Basketball System (Porter Athletic 00164-230).....	2,746.05	253.95
<i>For Fan Shaped Fiberglass Backboard, Deduct</i>		
<i>For 42" x 72" Perforated Steel Backboard, Add</i>		
11 68 23 13-0005 EA 5-9/16" Galvanized Steel Pole With 6' Extension, Aluminum Backboard, Double Rim Goal And Nylon Net Basketball System (Porter Athletic 00166-230).....	4,278.78	279.34
<i>For Fan Shaped Fiberglass Backboard, Deduct</i>		
<i>For 42" x 72" Perforated Steel Backboard, Add</i>		
11 68 23 13-0006 EA Back To Back 6" Galvanized Steel Pole With 5' Extensions, Aluminum Backboards, Double Rim Goals And Nylon Net Double Basketball System (Porter Athletic 195582) .....	7,689.94	410.80
<i>For Fan Shaped Fiberglass Backboard, Deduct</i>		
<i>For 42" x 72" Perforated Steel Backboard, Add</i>		
<b>11 68 23 13-0007 Basketball Components</b> <small>(11 68 23 13)</small>		
<i>See CSI section 32 31 13 13-0001 for auguring holes and concrete.</i>		
11 68 23 13-0008 EA Anti-Whip, Nylon Cord Basketball Net (Porter Athletic 09608-120) .....	31.61	8.33
11 68 23 13-0009 EA Chain Basketball Net (Porter Athletic 00161-000) .....	57.98	8.33
11 68 23 13-0010 EA Heavy Duty Goal Ring (Porter Athletic 00235-000) .....	133.04	41.63
11 68 23 13-0011 EA Goal Ring For Steel Net (Porter Athletic 00251-H00).....	245.41	18.74
11 68 23 13-0012 EA 42" x 72" Rectangular Fully Tempered Glass Basketball Backboard With Steel Frame (Porter Athletic 00204-000).....	1,439.81	35.38
<i>Note: Includes perimeter and target markings. Excludes pole and goal.</i>		
11 68 23 13-0013 EA 42" x 72" Rectangular 11 Gauge Perforated Steel Basketball Backboard (Porter Athletic 01207-300).....	1,853.12	35.38
<i>Note: Includes perimeter and target markings. Excludes pole and goal.</i>		
11 68 23 13-0014 EA 54" x 39" Fan Shaped Cast Aluminum Basketball Backboard (Porter Athletic 00234-300).....	940.67	31.23
<i>Note: Includes perimeter and target markings. Excludes pole and goal.</i>		
11 68 23 13-0015 EA 54" x 39" Fan Shaped Fiberglass Basketball Backboard (Porter Athletic 00267-000).....	1,029.85	31.23
<i>Note: Includes perimeter and target markings. Excludes pole and goal.</i>		

<b>11</b>	<b>11</b>	<b>Equipment</b>
	<b>11 60</b>	<b>Entertainment and Recreation Equipment</b>
	<b>11 68</b>	<b>Play Field Equipment and Structures</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**11 68 23 33 Tennis Equipment** (11 68 23)

**11 68 23 33-0001 Tennis Court Net Posts** (11 68 23 33)

11 68 23 33-0002	PR	Round, Powder Coated Steel, Tennis Court Net Posts With External Winder .....	1,070.42	141.57
11 68 23 33-0003	PR	Round, Powder Coated Steel, Tennis Court Net Posts With Internal Brass Winder .....	1,378.18	141.57
11 68 23 33-0004	PR	Square, Powder Coated Steel, Tennis Court Net Posts With Internal Brass Winder .....	1,429.47	141.57
11 68 23 33-0005	PR	Round, Powder Coated Aluminum, Tennis Court Net Posts With External Winder .....	1,518.17	141.57
11 68 23 33-0006	PR	Round, Powder Coated Aluminum, Tennis Court Net Posts With Internal Winder .....	1,834.00	141.57
11 68 23 33-0007	PR	Polyvinyl Chloride (PVC) Ground Sleeves For Tennis Court Net Posts .....	266.58	
11 68 23 33-0008	PR	Galvanized Steel Ground Sleeves For Tennis Court Net Posts .....	304.92	

**11 68 23 33-0009 Tennis Court Nets** (11 68 23 33)

11 68 23 33-0010	EA	42' Length, Single Top, Vinyl Headband, Polyethylene Net Body, Tennis Court Net .....	592.81	139.92
11 68 23 33-0011	EA	42' Length, Double Top, Vinyl Headband, Polyethylene Net Body, Tennis Court Net .....	654.01	139.92
11 68 23 33-0012	EA	42' Length, Anti-Vandal, Aluminum Coated Flexible Steel Mesh, Tennis Court Net .....	1,433.45	215.28
11 68 23 33-0013	EA	Galvanized Steel Anchor For Tennis Court Net Center Strap .....	75.81	

**11 68 33 Athletic Field Equipment** (11 68)

**11 68 33 13 Football Field Equipment** (11 68 33)

**11 68 33 13-0001 Football Goal Posts** (11 68 33 13)

Note: Includes augering for post(s), set in concrete and backfill.

11 68 33 13-0002	PR	Double Steel Football Goal Posts, "H Shape" .....	5,210.86	374.67
11 68 33 13-0003	PR	Vertical Style Goal Post, Single In Ground Mounting, Steel With 20' Uprights .....	7,587.93	582.72
11 68 33 13-0004	PR	Gooseneck (Offset) Style Goal Post, Single In Ground Mounting, Steel, With 20' Uprights .....	9,060.31	699.27

**11 68 33 23 Soccer and Field Hockey Equipment** (11 68 33)

**11 68 33 23-0001 Soccer Goal Posts** (11 68 33 23)

Note: Includes augering for post(s), set in concrete and backfill.

11 68 33 23-0002	PR	Regulation Soccer Goal Posts .....	4,751.09	249.85
11 68 33 23-0003	PR	Combination Football/Soccer Goal Post .....	5,700.95	374.67

**11 68 33 33 Baseball Field Equipment** (11 68 33)

**11 68 33 33-0001 Bases** (11 68 33 33)

11 68 33 33-0002	SET	Bases For Baseball Or Softball .....	587.56	
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**11 80 Facility Maintenance and Operation Equipment** (11)

**11 82 Facility Solid Waste Handling Equipment** (11 80)

**11 82 19 Packaged Incinerators** (11 82)

**11 82 19 00-0001 Electric Incinerator** (11 82 19)

11 82 19 00-0002	EA	Electric Package Incinerator, 100 LB/Hour .....	42,918.27	1,003.65
11 82 19 00-0003	EA	Electric Package Incinerator, 400 LB/Hour .....	87,831.95	2,007.31
11 82 19 00-0004	EA	Electric Package Incinerator, 1,000 LB/Hour .....	298,211.25	3,010.97

**11 82 26 Facility Waste Compactors** (11 82)

**11 82 26 00-0001 Waste Compactors** (11 82 26)

**11 82 26 00-0002 110 Volt Compactors** (11 82 26 00-0001)

11 82 26 00-0003	EA	Waste Compactor, 110 Volt At 75 LB/Hour .....	23,364.88	526.64
11 82 26 00-0004	EA	Waste Compactor, 110 Volt At 250 LB/Hour .....	29,134.27	1,263.93

**11 82 26 00-0005 230 Volt Compactors** (11 82 26 00-0001)

11 82 26 00-0006	EA	Waste Compactor, 230 Volt At 600 LB/Hour Hand Fed .....	28,873.02	1,685.25
11 82 26 00-0007	EA	Waste Compactor, 230 Volt At 600 LB/Hour Chute Fed .....	32,403.73	2,211.88

**END OF SECTION 11**





<b>Special Construction</b>	<b>13</b>	<b>13</b>
<b>Integrated Construction</b>	<b>13 40</b>	
<b>Facility Protection</b>	<b>13 47</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**13 Special Construction**

**13 40 Integrated Construction** <sup>(13)</sup>

**13 47 Facility Protection** <sup>(13 40)</sup>

**13 47 13 Cathodic Protection** <sup>(13 47)</sup>

**13 47 13 13 Cathodic Protection for Underground and Submerged Piping** <sup>(13 47 13)</sup>

13 47 13 13-0001	EA	Anodes <sup>(13 47 13 13)</sup>		
13 47 13 13-0002	EA	Magnesium Type, Conventional <sup>(13 47 13 13-0001)</sup>		
13 47 13 13-0003	EA	9 LB Magnesium Type Anodes.....	321.59	137.44
13 47 13 13-0004	EA	17 LB Magnesium Type Anodes.....	479.12	198.65
13 47 13 13-0005	EA	32 LB Magnesium Type Anode.....	659.95	255.56
13 47 13 13-0006	EA	48 LB Magnesium Type Anode.....	941.94	357.57
13 47 13 13-0007	EA	Graphite Type <sup>(13 47 13 13-0001)</sup> Note: Includes epoxy cap.		
13 47 13 13-0008	EA	3" x 60" (32 LB) Graphite Type Anodes With Epoxy Cap .....	466.16	183.15
13 47 13 13-0009	EA	4" x 80" (68 LB) Graphite Type Anodes With Epoxy Cap .....	741.82	255.76
13 47 13 13-0010	EA	6" x 36" (45 LB) Graphite Type Anodes With Epoxy Cap .....	575.67	160.06
13 47 13 13-0011	EA	6" x 72" (80 LB) Graphite Type Anodes With Epoxy Cap .....	899.24	213.69
13 47 13 13-0012	EA	High Silicon Cast Iron Type <sup>(13 47 13 13-0001)</sup>		
13 47 13 13-0013	EA	2.66" x 84" High Silicon Cast Iron Anode, 70 LB .....	1,923.93	255.76
13 47 13 13-0014	EA	Metal Oxide Type <sup>(13 47 13 13-0001)</sup>		
13 47 13 13-0015	EA	1" x 60" Mixed Metal Oxide Anode, 5 LB .....	984.96	137.44
		Note: Includes center connected #8 HMWPE/HALAR Lead wire.		
13 47 13 13-0016	EA	Rectifiers <sup>(13 47 13 13)</sup>		
13 47 13 13-0017	EA	Air Cooled, Silicon Type <sup>(13 47 13 13-0016)</sup>		
13 47 13 13-0018	EA	Air Cooled Rectifiers, 28 Volt, 10 Amperes, Silicon Type .....	1,940.53	260.13
13 47 13 13-0019	EA	Air Cooled Rectifiers, 20 Volt / 20 Amperes, Silicon Type .....	2,117.68	260.13
13 47 13 13-0020	EA	Oil Immersed, Silicon Type <sup>(13 47 13 13-0016)</sup>		
13 47 13 13-0021	EA	Oil Immersed Rectifiers, 28 Volt, 10 Amperes, Silicon Type.....	3,004.25	300.78
13 47 13 13-0022	EA	Oil Immersed Rectifiers, 20 Volt / 20 Amperes, Silicon Type.....	3,194.05	300.78
13 47 13 13-0023	EA	Anode Backfill <sup>(13 47 13 13)</sup>		
13 47 13 13-0024	EA	Anode Backfill, Coke Breeze .....	0.89	0.33
13 47 13 13-0025	EA	Cathodic Protection Cable <sup>(13 47 13 13)</sup>		
13 47 13 13-0026	MLF	Cathodic Protection Cable, OR2 - No 8 .....	1,745.73	640.23
13 47 13 13-0027	MLF	Cathodic Protection Cable, OR2 - No 6 .....	1,952.03	640.23
13 47 13 13-0028	MLF	Cathodic Protection Cable, OR2 - No 4 .....	2,261.47	640.23
13 47 13 13-0029	MLF	Cathodic Protection Cable, OR2 - No 2 .....	2,777.21	640.23
13 47 13 13-0030	MLF	Cathodic Protection Cable, OR2 - No 1 .....	3,471.28	705.40
13 47 13 13-0031	MLF	Cathodic Protection Cable, OR2-No 1/0 .....	3,858.09	705.40
13 47 13 13-0032	MLF	Cathodic Protection Cable, OR2-No 2/0 .....	4,502.77	705.40
13 47 13 13-0033	MLF	Cathodic Protection Cable, OR2-No 4/0 .....	6,176.48	768.94
13 47 13 13-0034	EA	Cathodic Test Stations <sup>(13 47 13 13)</sup>		
13 47 13 13-0035	EA	Flush Curb Box Type With Lockable Cover And Terminal Box <sup>(13 47 13 13-0034)</sup>		
13 47 13 13-0036	EA	Cathodic Test Station, Flush Curb Type With Lockable Cover .....	249.70	74.97
13 47 13 13 16	EA	<b>Cathodic Protection for Underground Storage Tanks</b> <sup>(13 47 13)</sup> See CSI section 13 47 13 13-0000 for cathodic protection for tanks.		

13	<b>13 Special Construction</b>
	13 40 Integrated Construction
	13 47 Facility Protection



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**END OF SECTION 13**



<b>Special Construction</b>	<b>13</b>	<b>13</b>
<b>Integrated Construction</b>	<b>13 40</b>	
<b>Facility Protection</b>	<b>13 47</b>	

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**13 Special Construction**

13 40 Integrated Construction

13 47 Facility Protection



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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## 22 Plumbing

Note: Where required, mechanical equipment excludes electrical connection unless title states otherwise.

### 22 05 Common Work Results for Plumbing <sup>(22)</sup>

#### 22 05 23 General-Duty Valves for Plumbing Piping <sup>(22 05)</sup>

See CSI section 23 05 23 00-0000 for additional valves.

22 05 23 00-0001	Gate Valves <sup>(22 05 23)</sup>		
22 05 23 00-0002	Class 125 Brazed Or Soldered Bronze Gate Valves <sup>(22 05 23 00-0001)</sup>		
	Note: 125 psi steam, basic rating. 200 psi cold working pressure. (Milwaukee Valve 105)		
22 05 23 00-0003	EA 1/4" Diameter, 125 LB Brazed Or Soldered Bronze Gate Valve .....	90.97	11.04
	For 150 LB Rating, Add	5.88	
	For 200 LB Rating, Add	8.82	
	For Work In Restricted Working Space, Add	9.64	
22 05 23 00-0004	EA 3/8" Diameter, 125 LB Brazed Or Soldered Bronze Gate Valve .....	92.66	11.04
	For 150 LB Rating, Add	5.88	
	For 200 LB Rating, Add	8.82	
	For Work In Restricted Working Space, Add	10.15	
22 05 23 00-0005	EA 1/2" Diameter, 125 LB Brazed Or Soldered Bronze Gate Valve .....	94.79	11.04
	For 150 LB Rating, Add	5.92	
	For 200 LB Rating, Add	8.88	
	For Work In Restricted Working Space, Add	10.68	
22 05 23 00-0006	EA 3/4" Diameter, 125 LB Brazed Or Soldered Bronze Gate Valve .....	111.59	12.14
	For 150 LB Rating, Add	6.36	
	For 200 LB Rating, Add	9.54	
	For Work In Restricted Working Space, Add	14.40	
22 05 23 00-0007	EA 1" Diameter, 125 LB Brazed Or Soldered Bronze Gate Valve .....	136.01	13.80
	For 150 LB Rating, Add	7.79	
	For 200 LB Rating, Add	11.69	
	For Work In Restricted Working Space, Add	17.43	
22 05 23 00-0008	EA 1-1/4" Diameter, 125 LB Brazed Or Soldered Bronze Gate Valve .....	200.80	14.69
	For 150 LB Rating, Add	12.72	
	For 200 LB Rating, Add	19.08	
	For Work In Restricted Working Space, Add	22.08	
22 05 23 00-0009	EA 1-1/2" Diameter, 125 LB Brazed Or Soldered Bronze Gate Valve .....	223.16	17.00
	For 150 LB Rating, Add	13.83	
	For 200 LB Rating, Add	20.74	
	For Work In Restricted Working Space, Add	25.47	
22 05 23 00-0010	EA 2" Diameter, 125 LB Brazed Or Soldered Bronze Gate Valve .....	267.84	20.08
	For 150 LB Rating, Add	16.75	
	For 200 LB Rating, Add	25.13	
	For Work In Restricted Working Space, Add	30.10	
22 05 23 00-0011	EA 2-1/2" Diameter, 125 LB Brazed Or Soldered Bronze Gate Valve .....	621.39	27.14
	For 150 LB Rating, Add	48.59	
	For 200 LB Rating, Add	72.88	
	For Work In Restricted Working Space, Add	40.66	
	For Chain Operated Type, Add	218.64	
22 05 23 00-0012	EA 3" Diameter, 125 LB Brazed Or Soldered Bronze Gate Valve .....	729.70	31.51
	For 150 LB Rating, Add	57.33	
	For 200 LB Rating, Add	86.00	
	For Work In Restricted Working Space, Add	46.91	
22 05 23 00-0013	Class 125 Brazed Or Soldered Bronze Lead Free Gate Valves <sup>(22 05 23 00-0001)</sup>		
	Note: 125 psi steam, basic rating. 200 psi cold working pressure. (Milwaukee Valve UP105, Nibco T113-LF)		
22 05 23 00-0014	EA 1/4" Diameter, 125 LB Brazed Or Soldered Bronze Lead Free Gate Valve .....	110.58	11.04
	For 150 LB Rating, Add	7.84	
	For 200 LB Rating, Add	11.77	
	For Work In Restricted Working Space, Add	9.64	
22 05 23 00-0015	EA 3/8" Diameter, 125 LB Brazed Or Soldered Bronze Lead Free Gate Valve .....	112.10	11.04
	For 150 LB Rating, Add	7.83	
	For 200 LB Rating, Add	11.74	
	For Work In Restricted Working Space, Add	10.15	
22 05 23 00-0016	EA 1/2" Diameter, 125 LB Brazed Or Soldered Bronze Lead Free Gate Valve .....	131.01	11.04
	For 150 LB Rating, Add	9.54	
	For 200 LB Rating, Add	14.31	
	For Work In Restricted Working Space, Add	10.68	
22 05 23 00-0017	EA 3/4" Diameter, 125 LB Brazed Or Soldered Bronze Lead Free Gate Valve .....	147.82	12.14
	For 150 LB Rating, Add	9.98	
	For 200 LB Rating, Add	14.97	
	For Work In Restricted Working Space, Add	14.40	
22 05 23 00-0018	EA 1" Diameter, 125 LB Brazed Or Soldered Bronze Lead Free Gate Valve .....	177.35	13.80
	For 150 LB Rating, Add	11.93	
	For 200 LB Rating, Add	17.89	
	For Work In Restricted Working Space, Add	17.43	
22 05 23 00-0019	EA 1-1/4" Diameter, 125 LB Brazed Or Soldered Bronze Lead Free Gate Valve .....	257.33	14.69
	For 150 LB Rating, Add	18.37	
	For 200 LB Rating, Add	27.56	
	For Work In Restricted Working Space, Add	22.08	

**22 Plumbing****22 05 Common Work Results for Plumbing****22 05 23 General-Duty Valves for Plumbing Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 05 23 00-0020 EA 1-1/2" Diameter, 125 LB Brazed Or Soldered Bronze Lead Free Gate Valve.....	294.28	17.00
For 150 LB Rating, Add	20.94	
For 200 LB Rating, Add	31.41	
For Work In Restricted Working Space, Add	25.47	
22 05 23 00-0021 EA 2" Diameter, 125 LB Brazed Or Soldered Bronze Lead Free Gate Valve.....	377.72	20.08
For 150 LB Rating, Add	27.74	
For 200 LB Rating, Add	41.61	
For Work In Restricted Working Space, Add	30.10	
<b>22 05 23 00-0022 200 PSI, Non-Rising Stem, Crimped Bronze Gate Valves (22 05 23 00-0001)</b>		
Note: 200 psi cold working pressure.		
22 05 23 00-0023 EA 1/2" Diameter, 200 PSI, Non-Rising Stem, Crimped Bronze Gate Valve.....	126.50	11.04
For Work In Restricted Working Space, Add	7.45	
22 05 23 00-0024 EA 3/4" Diameter, 200 PSI, Non-Rising Stem, Crimped Bronze Gate Valve.....	142.42	12.14
For Work In Restricted Working Space, Add	8.48	
22 05 23 00-0025 EA 1" Diameter, 200 PSI, Non-Rising Stem, Crimped Bronze Gate Valve.....	187.52	13.80
For Work In Restricted Working Space, Add	10.14	
22 05 23 00-0026 EA 1-1/4" Diameter, 200 PSI, Non-Rising Stem, Crimped Bronze Gate Valve.....	256.57	14.69
For Work In Restricted Working Space, Add	11.18	
22 05 23 00-0027 EA 1-1/2" Diameter, 200 PSI, Non-Rising Stem, Crimped Bronze Gate Valve.....	297.61	17.00
For Work In Restricted Working Space, Add	12.42	
22 05 23 00-0028 EA 2" Diameter, 200 PSI, Non-Rising Stem, Crimped Bronze Gate Valve.....	410.36	20.08
For Work In Restricted Working Space, Add	14.90	
<b>22 05 23 00-0029 Ball Valves (22 05 23)</b>		
<b>22 05 23 00-0030 Crimped Bronze, Ball Valves (22 05 23 00-0029)</b>		
<b>22 05 23 00-0031 Crimped Bronze, 250 PSI, Ball Valves (22 05 23 00-0030)</b>		
Note: Nibco®		
22 05 23 00-0032 EA 1/2" Crimped Bronze, 250 PSI, Ball Valve.....	86.24	11.04
For Work In Restricted Working Space, Add	7.45	
22 05 23 00-0033 EA 3/4" Crimped Bronze, 250 PSI, Ball Valve.....	111.95	12.14
For Work In Restricted Working Space, Add	8.48	
22 05 23 00-0034 EA 1" Crimped Bronze, 250 PSI, Ball Valve.....	143.93	13.80
For Work In Restricted Working Space, Add	10.14	
22 05 23 00-0035 EA 1-1/4" Crimped Bronze, 250 PSI, Ball Valve.....	234.24	14.69
For Work In Restricted Working Space, Add	11.18	
22 05 23 00-0036 EA 1-1/2" Crimped Bronze, 250 PSI, Ball Valve.....	310.36	17.00
For Work In Restricted Working Space, Add	12.42	
22 05 23 00-0037 EA 2" Crimped Bronze, 250 PSI, Ball Valve.....	468.99	20.08
For Work In Restricted Working Space, Add	14.90	
<b>22 05 23 00-0038 Crimped Bronze, 200 PSI, Full Port Ball Valves (22 05 23 00-0030)</b>		
22 05 23 00-0039 EA 1/2" Crimped Bronze, 200 PSI, Full Port, Lever Ball Valve.....	52.30	11.04
For Work In Restricted Working Space, Add	7.45	
22 05 23 00-0040 EA 3/4" Crimped Bronze, 200 PSI, Full Port, Lever Ball Valve.....	66.88	12.14
For Work In Restricted Working Space, Add	8.48	
22 05 23 00-0041 EA 1" Crimped Bronze, 200 PSI, Full Port, Lever Ball Valve.....	81.31	13.80
For Work In Restricted Working Space, Add	10.14	
22 05 23 00-0042 EA 1-1/4" Crimped Bronze, 200 PSI, Full Port, Lever Ball Valve.....	114.46	14.69
For Work In Restricted Working Space, Add	11.18	
22 05 23 00-0043 EA 1-1/2" Crimped Bronze, 200 PSI, Full Port, Lever Ball Valve.....	148.28	17.00
For Work In Restricted Working Space, Add	12.42	
22 05 23 00-0044 EA 2" Crimped Bronze, 200 PSI, Full Port, Lever Ball Valve.....	220.39	20.08
For Work In Restricted Working Space, Add	14.90	
<b>22 05 23 00-0045 Crimped Bronze, 250 PSI, Full Port Ball Valves (22 05 23 00-0030)</b>		
22 05 23 00-0046 EA 1/2" Crimped Bronze, 250 PSI, Full Port, Lever Ball Valve.....	60.46	11.04
For Work In Restricted Working Space, Add	7.45	
22 05 23 00-0047 EA 3/4" Crimped Bronze, 250 PSI, Full Port, Lever Ball Valve.....	72.82	12.14
For Work In Restricted Working Space, Add	8.48	
22 05 23 00-0048 EA 1" Crimped Bronze, 250 PSI, Full Port, Lever Ball Valve.....	90.81	13.80
For Work In Restricted Working Space, Add	10.14	
22 05 23 00-0049 EA 1-1/4" Crimped Bronze, 250 PSI, Full Port, Lever Ball Valve.....	144.14	14.69
For Work In Restricted Working Space, Add	11.18	
22 05 23 00-0050 EA 1-1/2" Crimped Bronze, 250 PSI, Full Port, Lever Ball Valve.....	212.12	17.00
For Work In Restricted Working Space, Add	12.42	
22 05 23 00-0051 EA 2" Crimped Bronze, 250 PSI, Full Port, Lever Ball Valve.....	294.61	20.08
For Work In Restricted Working Space, Add	14.90	
<b>22 05 23 00-0052 Crimped x Threaded Bronze, 250 PSI, Full Port Ball Valves (22 05 23 00-0030)</b>		
22 05 23 00-0053 EA 1/2" Crimped x Threaded Bronze, 250 PSI, Full Port, Lever Ball Valve.....	58.24	11.04
For Work In Restricted Working Space, Add	7.45	
22 05 23 00-0054 EA 3/4" Crimped x Threaded Bronze, 250 PSI, Full Port, Lever Ball Valve.....	70.74	12.14
For Work In Restricted Working Space, Add	8.48	
22 05 23 00-0055 EA 1" Crimped x Threaded Bronze, 250 PSI, Full Port, Lever Ball Valve.....	86.05	13.80
For Work In Restricted Working Space, Add	10.14	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>22 05 23 00-0056</b> Check Valves <small>(22 05 23)</small>		
<b>22 05 23 00-0057</b> Crimped Bronze, 200 PSI, Y-Pattern, Swing Check Valves <small>(22 05 23 00-0056)</small> Note: Nibco®		
22 05 23 00-0058 EA 1/2" Crimped Bronze, 200 PSI, Y-Pattern Check Valve.....	166.73	11.04
For Work In Restricted Working Space, Add	7.45	
22 05 23 00-0059 EA 3/4" Crimped Bronze, 200 PSI, Y-Pattern Check Valve.....	212.54	12.14
For Work In Restricted Working Space, Add	8.48	
22 05 23 00-0060 EA 1" Crimped Bronze, 200 PSI, Y-Pattern Check Valve.....	294.29	13.80
For Work In Restricted Working Space, Add	10.14	
22 05 23 00-0061 EA 1-1/4" Crimped Bronze, 200 PSI, Y-Pattern Check Valve.....	393.05	14.69
For Work In Restricted Working Space, Add	11.18	
22 05 23 00-0062 EA 1-1/2" Crimped Bronze, 200 PSI, Y-Pattern Check Valve.....	469.20	17.00
For Work In Restricted Working Space, Add	12.42	
22 05 23 00-0063 EA 2" Crimped Bronze, 200 PSI, Y-Pattern Check Valve.....	672.31	20.08
For Work In Restricted Working Space, Add	14.90	
<b>22 05 23 00-0064</b> Crimped Bronze, 250 PSI, In-Line, Check Valves <small>(22 05 23 00-0056)</small>		
22 05 23 00-0065 EA 1/2" Crimped Bronze, 200 PSI, In-Line Check Valve.....	46.03	11.04
For Work In Restricted Working Space, Add	7.45	
22 05 23 00-0066 EA 3/4" Crimped Bronze, 200 PSI, In-Line Check Valve.....	55.41	12.14
For Work In Restricted Working Space, Add	8.48	
22 05 23 00-0067 EA 1" Crimped Bronze, 200 PSI, In-Line Check Valve.....	65.06	13.80
For Work In Restricted Working Space, Add	10.14	
22 05 23 00-0068 EA 1-1/4" Crimped Bronze, 200 PSI, In-Line Check Valve.....	82.46	14.69
For Work In Restricted Working Space, Add	11.18	
22 05 23 00-0069 EA 1-1/2" Crimped Bronze, 200 PSI, In-Line Check Valve.....	105.57	17.00
For Work In Restricted Working Space, Add	12.42	
22 05 23 00-0070 EA 2" Crimped Bronze, 200 PSI, In-Line Check Valve.....	166.46	20.08
For Work In Restricted Working Space, Add	14.90	
<b>22 05 23 00-0071</b> Butterfly Valves <small>(22 05 23)</small>		
<b>22 05 23 00-0072</b> Crimped Ductile Iron, 200 PSI, Handle Butterfly Valve <small>(22 05 23 00-0071)</small>		
22 05 23 00-0073 EA 2-1/2" Crimped Ductile Iron, 200 PSI, Handle Butterfly Valve.....	1,256.90	29.47
For Work In Restricted Working Space, Add	17.39	
22 05 23 00-0074 EA 3" Crimped Ductile Iron, 200 PSI, Handle Butterfly Valve.....	1,360.18	34.22
For Work In Restricted Working Space, Add	20.70	
22 05 23 00-0075 EA 4" Crimped Ductile Iron, 200 PSI, Handle Butterfly Valve.....	1,699.91	38.64
For Work In Restricted Working Space, Add	27.32	
<b>22 05 23 00-0076</b> Regulators, Clay Valve <small>(22 05 23)</small>		
22 05 23 00-0077 EA 4" Regulator - Clay Valve.....	2,335.33	
22 05 23 00-0078 EA 8" Regulator - Clay Valve.....	3,173.45	
22 05 23 00-0079 EA 10" Regulator - Clay Valve.....	4,348.84	
22 05 23 00-0080 EA 12" Regulator - Clay Valve.....	5,303.61	
22 05 23 00-0081 EA 18" Regulator - Clay Valve.....	9,141.75	
22 05 23 00-0082 EA 24" Regulator - Clay Valve.....	14,752.58	
<b>22 05 76 Facility Drainage Piping Cleanouts</b> <small>(22 05)</small>		
<b>22 05 76 00-0001</b> Cast Iron Cleanout With Plug And Cover <small>(22 05 76)</small> Note: For floor installation.		
<b>22 05 76 00-0002</b> Cast Iron Cleanout With Plug And Round Or Square Cover <small>(22 05 76 00-0001)</small>		
22 05 76 00-0003 EA 2" Floor Cleanout, Round Or Square Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover.....	669.00	58.72
For Vandal Proof, Add	19.50	
For Galvanized Ferrule, Add	45.00	
For Carpet Marker, Add	16.00	
For Carpet Flange, Add	58.50	
For Wide Flange, Add	97.00	
For Satin Bronze Top, Deduct	-24.00	
22 05 76 00-0004 EA 3" Floor Cleanout, Round Or Square Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover.....	721.68	73.62
For Vandal Proof, Add	19.50	
For Galvanized Ferrule, Add	45.00	
For Carpet Marker, Add	16.00	
For Carpet Flange, Add	58.50	
For Wide Flange, Add	97.00	
For Satin Bronze Top, Deduct	-24.00	
22 05 76 00-0005 EA 4" Floor Cleanout, Round Or Square Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover.....	901.47	88.97
For Vandal Proof, Add	19.50	
For Galvanized Ferrule, Add	45.00	
For Carpet Marker, Add	16.00	
For Carpet Flange, Add	58.50	
For Wide Flange, Add	97.00	
For Satin Bronze Top, Deduct	-24.00	

**22 Plumbing****22 05 Common Work Results for Plumbing****22 05 76 Facility Drainage Piping Cleanouts**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 05 76 00-0006 EA 5" Floor Cleanout, Round Or Square Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover.....	1,297.29	99.56
For Vandal Proof, Add	19.50	
For Galvanized Ferrule, Add	45.00	
For Carpet Marker, Add	16.00	
For Carpet Flange, Add	58.50	
For Wide Flange, Add	97.00	
For Satin Bronze Top, Deduct	-24.00	
22 05 76 00-0007 EA 6" Floor Cleanout, Round Or Square Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover.....	1,598.67	107.84
For Vandal Proof, Add	19.50	
For Galvanized Ferrule, Add	45.00	
For Carpet Marker, Add	16.00	
For Carpet Flange, Add	58.50	
For Wide Flange, Add	97.00	
For Satin Bronze Top, Deduct	-24.00	
<b>22 05 76 00-0008 Cast Iron Heavy Duty Cleanout With Plug And Round Cover (22 05 76 00-0001)</b>		
22 05 76 00-0009 EA 2" Heavy Duty Floor Cleanout, Round Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover.....	772.12	58.72
For Vandal Proof, Add	19.50	
For Galvanized Ferrule, Add	45.00	
For Carpet Marker, Add	16.00	
For Carpet Flange, Add	58.50	
For Wide Flange, Add	97.00	
For Satin Bronze Top, Deduct	-24.00	
22 05 76 00-0010 EA 3" Heavy Duty Floor Cleanout, Round Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover.....	826.43	73.62
For Vandal Proof, Add	19.50	
For Galvanized Ferrule, Add	45.00	
For Carpet Marker, Add	16.00	
For Carpet Flange, Add	58.50	
For Wide Flange, Add	97.00	
For Satin Bronze Top, Deduct	-24.00	
22 05 76 00-0011 EA 4" Heavy Duty Floor Cleanout, Round Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover.....	1,006.22	88.97
For Vandal Proof, Add	19.50	
For Galvanized Ferrule, Add	45.00	
For Carpet Marker, Add	16.00	
For Carpet Flange, Add	58.50	
For Wide Flange, Add	97.00	
For Satin Bronze Top, Deduct	-24.00	
22 05 76 00-0012 EA 5" Heavy Duty Floor Cleanout, Round Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover.....	1,402.04	99.56
For Vandal Proof, Add	19.50	
For Galvanized Ferrule, Add	45.00	
For Carpet Marker, Add	16.00	
For Carpet Flange, Add	58.50	
For Wide Flange, Add	97.00	
For Satin Bronze Top, Deduct	-24.00	
22 05 76 00-0013 EA 6" Heavy Duty Floor Cleanout, Round Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover.....	1,703.42	107.84
For Vandal Proof, Add	19.50	
For Galvanized Ferrule, Add	45.00	
For Carpet Marker, Add	16.00	
For Carpet Flange, Add	58.50	
For Wide Flange, Add	97.00	
For Satin Bronze Top, Deduct	-24.00	
<b>22 05 76 00-0014 Wall Cover For Cleanout (22 05 76)</b>		
Note: Cover and screw only.		
<b>22 05 76 00-0015 Round Access Cover, Bronze Polished Top (22 05 76 00-0014)</b>		
Note: Cover and screw only.		
22 05 76 00-0016 EA 4-1/4" Diameter Wall Cover For Cleanout, Screwed.....	98.99	18.43
For Stainless Steel, Add	9.00	
For Vandal Proof Screws, Add	19.50	
22 05 76 00-0017 EA 5-1/2" Diameter Wall Cover For Cleanout, Screwed.....	106.35	22.08
For Stainless Steel, Add	9.00	
For Vandal Proof Screws, Add	19.50	
22 05 76 00-0018 EA 7" Diameter Wall Cover For Cleanout, Screwed.....	136.42	24.84
For Stainless Steel, Add	9.00	
For Vandal Proof Screws, Add	19.50	
22 05 76 00-0019 EA 9-1/4" Diameter Wall Cover For Cleanout, Screwed.....	233.59	27.60
For Stainless Steel, Add	9.00	
For Vandal Proof Screws, Add	19.50	
22 05 76 00-0020 EA 11-1/4" Diameter Wall Cover For Cleanout, Screwed.....	353.69	30.36
For Stainless Steel, Add	9.00	
For Vandal Proof Screws, Add	19.50	
<b>22 05 76 00-0021 Square Wall Access Panel, Bronze Polished Top (22 05 76 00-0014)</b>		
Note: Cover and screw only.		
22 05 76 00-0022 EA 7" x 7" Bronze Wall Or Floor Access Cover.....	535.48	18.43
For Vandal Proof Screws, Add	19.50	
For Nickel Bronze, Add	22.50	
22 05 76 00-0023 EA 9" x 9" Bronze Wall Or Floor Access Cover.....	772.82	19.32
For Vandal Proof Screws, Add	19.50	
For Nickel Bronze, Add	22.50	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 05 76 00-0024 EA 10" x 10" Bronze Wall Or Floor Access Cover ..... <i>For Vandal Proof Screws, Add</i> <i>For Nickel Bronze, Add</i>	825.82 19.50 22.50	20.42
22 05 76 00-0025 EA 14" x 14" Bronze Wall Or Floor Access Cover ..... <i>For Vandal Proof Screws, Add</i> <i>For Nickel Bronze, Add</i>	923.68 19.50 22.50	23.18
<b>22 05 76 00-0026 Secured Square Wall Access Panel, Bronze Polished Top</b> (22 05 76 00-0014) Note: Cover and screw only.		
22 05 76 00-0027 EA 6" x 6" Bronze Secured Wall Access Panel ..... <i>For Vandal Proof Screws, Add</i> <i>For Nickel Bronze, Add</i>	545.23 19.50 22.50	18.43
22 05 76 00-0028 EA 8" x 8" Bronze Secured Wall Access Panel ..... <i>For Vandal Proof Screws, Add</i> <i>For Nickel Bronze, Add</i>	787.18 19.50 22.50	19.32
22 05 76 00-0029 EA 10" x 10" Bronze Secured Wall Access Panel ..... <i>For Vandal Proof Screws, Add</i> <i>For Nickel Bronze, Add</i>	841.17 19.50 22.50	20.42
22 05 76 00-0030 EA 12" x 12" Bronze Secured Wall Access Panel ..... <i>For Vandal Proof Screws, Add</i> <i>For Nickel Bronze, Add</i>	940.84 19.50 22.50	23.18
<b>22 05 76 00-0031 Secure Square Hinged Access Panel, Bronze Polished Top, Scoriated</b> (22 05 76 00-0014) Note: Cover and screw only.		
22 05 76 00-0032 EA 6" x 6" Bronze Secured Hinged Access Panel, Scoriated ..... <i>For Vandal Proof Screws, Add</i> <i>For Nickel Bronze, Add</i>	528.76 19.50 22.50	18.43
22 05 76 00-0033 EA 8" x 8" Bronze Secured Hinged Access Panel, Scoriated ..... <i>For Vandal Proof Screws, Add</i> <i>For Nickel Bronze, Add</i>	733.04 19.50 22.50	19.32
22 05 76 00-0034 EA 10" x 10" Bronze Secured Hinged Access Panel, Scoriated ..... <i>For Vandal Proof Screws, Add</i> <i>For Nickel Bronze, Add</i>	1,041.25 19.50 22.50	20.42
22 05 76 00-0035 EA 12" x 12" Bronze Secured Hinged Access Panel, Scoriated ..... <i>For Vandal Proof Screws, Add</i> <i>For Nickel Bronze, Add</i>	1,260.97 19.50 22.50	23.18
<b>22 05 76 00-0036 Cast Iron Cleanout Tee</b> (22 05 76)		
<b>22 05 76 00-0037 Cast Iron Cleanout Tee And Round Access Cover</b> (22 05 76 00-0036) Note: Satin smooth secured cover.		
22 05 76 00-0038 EA 2" Cleanout Tee With Bronze Screw Plug And Round Polished Bronze Cover ..... <i>For Vandal Proof Screws, Add</i> <i>For Galvanized Cast Iron Parts, Add</i>	483.56 19.50 88.80	58.72
22 05 76 00-0039 EA 3" Cleanout Tee With Bronze Screw Plug And Round Polished Bronze Cover ..... <i>For Vandal Proof Screws, Add</i> <i>For Galvanized Cast Iron Parts, Add</i>	551.42 19.50 88.80	73.52
22 05 76 00-0040 EA 4" Cleanout Tee With Bronze Screw Plug And Round Polished Bronze Cover ..... <i>For Vandal Proof Screws, Add</i> <i>For Galvanized Cast Iron Parts, Add</i>	721.17 19.50 88.80	88.97
22 05 76 00-0041 EA 6" Cleanout Tee With Bronze Screw Plug And Round Polished Bronze Cover ..... <i>For Vandal Proof Screws, Add</i> <i>For Galvanized Cast Iron Parts, Add</i>	1,740.88 19.50 88.80	107.84
<b>22 05 76 00-0042 Cast Iron Cleanout Tee And Square Access Cover</b> (22 05 76 00-0036) Note: Satin smooth secured cover.		
22 05 76 00-0043 EA 2" Cleanout Tee With Cast Bronze Screw Plug And Square Nickel Bronze Cover ..... <i>For Vandal Proof Screws, Add</i> <i>For Galvanized Cast Iron Parts, Add</i>	849.70 19.50 88.80	58.72
22 05 76 00-0044 EA 3" Cleanout Tee With Cast Bronze Screw Plug And Square Nickel Bronze Cover ..... <i>For Vandal Proof Screws, Add</i> <i>For Galvanized Cast Iron Parts, Add</i>	917.56 19.50 88.80	73.52
22 05 76 00-0045 EA 4" Cleanout Tee With Cast Bronze Screw Plug And Square Nickel Bronze Cover ..... <i>For Vandal Proof Screws, Add</i> <i>For Galvanized Cast Iron Parts, Add</i>	1,063.01 19.50 88.80	88.97
22 05 76 00-0046 EA 6" Cleanout Tee With Cast Bronze Screw Plug And Square Nickel Bronze Cover ..... <i>For Vandal Proof Screws, Add</i> <i>For Galvanized Cast Iron Parts, Add</i>	2,235.43 19.50 88.80	107.84
<b>22 05 76 00-0047 Cast Iron Cleanout Tee With Brass Plug</b> (22 05 76 00-0036)		
22 05 76 00-0048 EA 2" Cleanout Tee With Cast Bronze Screw Plug .....	396.28	48.01
22 05 76 00-0049 EA 3" Cleanout Tee With Cast Bronze Screw Plug .....	443.29	52.43
22 05 76 00-0050 EA 4" Cleanout Tee With Cast Bronze Screw Plug .....	590.95	68.99
22 05 76 00-0051 EA 5" Cleanout Tee With Cast Bronze Screw Plug .....	892.30	81.68
22 05 76 00-0052 EA 6" Cleanout Tee With Cast Bronze Screw Plug .....	1,529.55	96.58
<b>22 05 76 00-0053 Removable Cleanout Plug</b> (22 05 76)		

**22 Plumbing****22 05 Common Work Results for Plumbing****22 05 76 Facility Drainage Piping Cleanouts**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>22 05 76 00-0054 Threaded Bronze Plugs</b> <small>(22 05 76 00-0053)</small>		
22 05 76 00-0055 EA 1-1/4", 1-1/2" Or 2" Threaded Bronze Plug.....	79.17	13.80
For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0056 EA 2-1/2" Threaded Bronze Plug.....	95.42	15.01
For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0057 EA 3" Threaded Bronze Plug.....	166.53	16.56
For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0058 EA 3-1/2" Threaded Bronze Plug.....	186.10	19.32
For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0059 EA 4" Threaded Bronze Plug.....	210.34	22.08
For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0060 EA 5" Threaded Bronze Plug.....	297.75	24.84
For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0061 EA 6" Threaded Bronze Plug.....	441.31	27.60
For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0062 EA 8" Threaded Bronze Plug.....	750.88	30.36
For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0063 EA 10" Threaded Bronze Plug.....	1,083.93	33.12
For Plug Tapped For Center Screw, Add	9.50	
<b>22 05 76 00-0064 Threaded Brass Plugs</b> <small>(22 05 76 00-0053)</small>		
22 05 76 00-0065 EA 1-1/2" Threaded Brass Plug, Raised Head.....	31.06	13.80
For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0066 EA 2" Threaded Brass Plug, Raised Head.....	31.67	13.80
For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0067 EA 2-1/2" Threaded Brass Plug, Raised Head.....	34.56	15.01
For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0068 EA 3" Threaded Brass Plug, Raised Head.....	39.19	16.56
For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0069 EA 3-1/2" Threaded Brass Plug, Raised Head.....	46.34	19.32
For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0070 EA 4" Threaded Brass Plug, Raised Head.....	54.58	22.08
For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0071 EA 4-1/2" Threaded Brass Plug, Raised Head.....	58.69	23.25
For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0072 EA 5" Threaded Brass Plug, Raised Head.....	63.17	24.84
For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0073 EA 6" Threaded Brass Plug, Raised Head.....	83.32	27.59
For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0074 EA 1-1/2" Threaded Brass Plug, Countersunk Head.....	30.59	13.80
For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0075 EA 2" Threaded Brass Plug, Countersunk Head.....	31.26	13.80
For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0076 EA 2-1/2" Threaded Brass Plug, Countersunk Head.....	35.87	15.01
For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0077 EA 3" Threaded Brass Plug, Countersunk Head.....	39.38	16.56
For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0078 EA 3-1/2" Threaded Brass Plug, Countersunk Head.....	45.78	19.32
For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0079 EA 4" Threaded Brass Plug, Countersunk Head.....	53.69	22.08
For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0080 EA 5" Threaded Brass Plug, Countersunk Head.....	62.69	24.84
For Plug Tapped For Center Screw, Add	9.50	
22 05 76 00-0081 EA 6" Threaded Brass Plug, Countersunk Head.....	75.47	27.60
For Plug Tapped For Center Screw, Add	9.50	
<b>22 07 Plumbing Insulation</b> <small>(22)</small>		
<b>22 07 19 Plumbing Piping Insulation</b> <small>(22 07)</small>		
22 07 19 00-0001 Insulation Protective Jacketing <small>(22 07 19)</small>		
Note: Jacketing only and to be added to insulation prices when required.		
22 07 19 00-0002 Aluminum Insulation Protective Jacketing With Bands <small>(22 07 19 00-0001)</small>		
22 07 19 00-0003 Aluminum Roll, Insulation Protective Jacketing With Bands <small>(22 07 19 00-0002)</small>		
22 07 19 00-0004 SF 0.006" Aluminum Insulation Jacket With Bands.....	17.76	7.51
22 07 19 00-0005 SF 0.016" Aluminum Insulation Jacket With Bands.....	18.43	7.51
22 07 19 00-0006 16 Mil, Aluminum Insulation Protective Jacketing With Polykraft Moisture Barrier And Bands <small>(22 07 19 00-0002)</small>		
22 07 19 00-0007 LF 1/2" ID, 0.016" Aluminum Insulation Jacketing.....	9.07	2.13
For Stucco Embossed, Add	0.01	
For Corrugated, Add	0.01	
22 07 19 00-0008 LF 3/4" ID, 0.016" Aluminum Insulation Jacketing.....	9.43	2.18
For Stucco Embossed, Add	0.01	
For Corrugated, Add	0.02	
22 07 19 00-0009 LF 1" ID, 0.016" Aluminum Insulation Jacketing.....	9.80	2.24
For Stucco Embossed, Add	0.01	
For Corrugated, Add	0.02	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0010 LF 1-1/4" ID, 0.016" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	10.17 0.01 0.03	2.29
22 07 19 00-0011 LF 1-1/2" ID, 0.016" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	10.46 0.01 0.03	2.33
22 07 19 00-0012 LF 1-3/4" ID, 0.016" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	10.76 0.01 0.03	2.36
22 07 19 00-0013 LF 2" ID, 0.016" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	11.11 0.01 0.04	2.41
22 07 19 00-0014 LF 2-1/4" ID, 0.016" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	11.48 0.02 0.04	2.46
22 07 19 00-0015 LF 2-1/2" ID, 0.016" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	11.87 0.02 0.05	2.51
22 07 19 00-0016 LF 2-3/4" ID, 0.016" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	12.19 0.02 0.05	2.55
22 07 19 00-0017 LF 3" ID, 0.016" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	12.60 0.02 0.05	2.61
22 07 19 00-0018 LF 3-1/4" ID, 0.016" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	12.99 0.02 0.06	2.67
22 07 19 00-0019 LF 3-1/2" ID, 0.016" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	13.40 0.02 0.06	2.73
22 07 19 00-0020 LF 3-3/4" ID, 0.016" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	13.76 0.03 0.07	2.78
22 07 19 00-0021 LF 4" ID, 0.016" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	14.19 0.03 0.07	2.84
22 07 19 00-0022 LF 4-1/4" ID, 0.016" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	14.63 0.03 0.07	2.91
22 07 19 00-0023 LF 4-1/2" ID, 0.016" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	15.10 0.03 0.08	2.99
22 07 19 00-0024 LF 4-3/4" ID, 0.016" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	15.48 0.03 0.08	3.05
22 07 19 00-0025 LF 5" ID, 0.016" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	15.97 0.03 0.09	3.13
22 07 19 00-0026 LF 5-1/4" ID, 0.016" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	16.48 0.04 0.09	3.21
22 07 19 00-0027 LF 5-1/2" ID, 0.016" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	16.91 0.04 0.09	3.28
22 07 19 00-0028 LF 5-3/4" ID, 0.016" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	17.46 0.04 0.10	3.37
22 07 19 00-0029 LF 6" ID, 0.016" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	18.02 0.04 0.10	3.47
22 07 19 00-0030 LF 6-1/4" ID, 0.016" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	18.40 0.04 0.11	3.52
22 07 19 00-0031 LF 6-1/2" ID, 0.016" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	18.77 0.04 0.11	3.58
22 07 19 00-0032 LF 7" ID, 0.016" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	19.40 0.05 0.12	3.66
22 07 19 00-0033 LF 7-1/4" ID, 0.016" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	19.91 0.05 0.12	3.76
22 07 19 00-0034 LF 7-1/2" ID, 0.016" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	20.31 0.05 0.13	3.82
22 07 19 00-0035 LF 8" ID, 0.016" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	20.90 0.05 0.13	3.88
22 07 19 00-0036 LF 8-1/2" ID, 0.016" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	21.46 0.06 0.14	3.95
22 07 19 00-0037 LF 9" ID, 0.016" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	22.19 0.06 0.15	4.05

**22 Plumbing**  
**22 07 Plumbing Insulation**  
**22 07 19 Plumbing Piping Insulation**



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0038	LF	9-1/2" ID, 0.016" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	22.81 0.06 0.16	4.12
22 07 19 00-0039	LF	10" ID, 0.016" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	23.42 0.07 0.17	4.19
22 07 19 00-0040	LF	10-1/2" ID, 0.016" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	24.06 0.07 0.17	4.27
22 07 19 00-0041	LF	11" ID, 0.0106 Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	24.85 0.07 0.18	4.39
22 07 19 00-0042	LF	11-1/2" ID, 0.016" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	25.52 0.08 0.19	4.47
22 07 19 00-0043	LF	12" ID, 0.016" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	26.18 0.08 0.20	4.55
22 07 19 00-0044	LF	12-1/2" ID, 0.016" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	27.05 0.08 0.21	4.69
22 07 19 00-0045	LF	13" ID, 0.016" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	27.56 0.09 0.22	4.74
22 07 19 00-0046	LF	14" ID, 0.016" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	28.41 0.09 0.23	4.79
22 07 19 00-0047	LF	15" ID, 0.016" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	29.44 0.10 0.25	4.88
22 07 19 00-0048	LF	16" ID, 0.016" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	30.30 0.11 0.26	4.94
22 07 19 00-0049	LF	17" ID, 0.016" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	31.37 0.11 0.28	5.04
22 07 19 00-0050	LF	18" ID, 0.016" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	32.03 0.12 0.29	5.10
22 07 19 00-0051	LF	19" ID, 0.016" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	33.33 0.12 0.31	5.22
22 07 19 00-0052	LF	20" ID, 0.016" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	34.22 0.13 0.33	5.28
22 07 19 00-0053	LF	21" ID, 0.016" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	35.36 0.14 0.34	5.40
22 07 19 00-0054	LF	22" ID, 0.016" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	36.24 0.14 0.36	5.46
22 07 19 00-0055	LF	23" ID, 0.016" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	37.41 0.15 0.38	5.59
22 07 19 00-0056	LF	24" ID, 0.016" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	38.32 0.16 0.39	5.65
<b>22 07 19 00-0057</b>		<b>20 Mil, Aluminum Insulation Protective Jacketing With Polykraft Moisture Barrier And Bands</b> <small>(22 07 19 00-0002)</small>		
22 07 19 00-0058	LF	1/2" ID, 0.020" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	10.06 0.01 0.02	2.35
22 07 19 00-0059	LF	3/4" ID, 0.020" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	10.48 0.01 0.02	2.40
22 07 19 00-0060	LF	1" ID, 0.020" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	10.92 0.01 0.03	2.46
22 07 19 00-0061	LF	1-1/4" ID, 0.020" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	11.36 0.01 0.03	2.52
22 07 19 00-0062	LF	1-1/2" ID, 0.020" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	11.71 0.01 0.04	2.56
22 07 19 00-0063	LF	1-3/4" ID, 0.020" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	12.06 0.02 0.04	2.60
22 07 19 00-0064	LF	2" ID, 0.020" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	12.48 0.02 0.05	2.65
22 07 19 00-0065	LF	2-1/4" ID, 0.020" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	12.91 0.02 0.05	2.70



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0066 LF 2-1/2" ID, 0.020" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	13.36 0.02 0.06	2.76
22 07 19 00-0067 LF 2-3/4" ID, 0.020" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	13.75 0.03 0.06	2.81
22 07 19 00-0068 LF 3" ID, 0.020" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	14.23 0.03 0.07	2.87
22 07 19 00-0069 LF 3-1/4" ID, 0.020" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	14.69 0.03 0.07	2.93
22 07 19 00-0070 LF 3-1/2" ID, 0.020" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	15.16 0.03 0.08	3.00
22 07 19 00-0071 LF 3-3/4" ID, 0.020" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	15.57 0.03 0.08	3.05
22 07 19 00-0072 LF 4" ID, 0.020" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	16.08 0.04 0.09	3.13
22 07 19 00-0073 LF 4-1/4" ID, 0.020" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	16.60 0.04 0.09	3.20
22 07 19 00-0074 LF 4-1/2" ID, 0.020" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	17.14 0.04 0.10	3.28
22 07 19 00-0075 LF 4-3/4" ID, 0.020" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	17.61 0.04 0.11	3.35
22 07 19 00-0076 LF 5" ID, 0.020" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	18.16 0.04 0.11	3.44
22 07 19 00-0077 LF 5-1/4" ID, 0.020" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	18.74 0.05 0.12	3.53
22 07 19 00-0078 LF 5-1/2" ID, 0.020" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	19.24 0.05 0.12	3.60
22 07 19 00-0079 LF 5-3/4" ID, 0.020" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	19.88 0.05 0.13	3.72
22 07 19 00-0080 LF 6" ID, 0.020" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	20.52 0.05 0.13	3.83
22 07 19 00-0081 LF 6-1/4" ID, 0.020" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	20.96 0.05 0.14	3.88
22 07 19 00-0082 LF 6-1/2" ID, 0.020" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	21.40 0.06 0.14	3.94
22 07 19 00-0083 LF 7" ID, 0.020" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	22.15 0.06 0.15	4.03
22 07 19 00-0084 LF 7-1/4" ID, 0.020" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	22.73 0.06 0.16	4.13
22 07 19 00-0085 LF 7-1/2" ID, 0.020" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	23.20 0.06 0.16	4.20
22 07 19 00-0086 LF 8" ID, 0.020" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	23.91 0.07 0.17	4.27
22 07 19 00-0087 LF 8-1/2" ID, 0.020" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	24.58 0.07 0.18	4.34
22 07 19 00-0088 LF 9" ID, 0.020" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	25.44 0.08 0.19	4.45
22 07 19 00-0089 LF 9-1/2" ID, 0.020" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	26.18 0.08 0.20	4.53
22 07 19 00-0090 LF 10" ID, 0.020" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	26.90 0.08 0.21	4.61
22 07 19 00-0091 LF 10-1/2" ID, 0.020" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	27.64 0.09 0.22	4.69
22 07 19 00-0092 LF 11" ID, 0.0106 Aluminum Insulation Jacketing..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	28.57 0.09 0.23	4.82
22 07 19 00-0093 LF 11-1/2" ID, 0.020" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	29.37 0.10 0.24	4.91

**22 Plumbing**  
**22 07 Plumbing Insulation**  
**22 07 19 Plumbing Piping Insulation**



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0094 LF 12" ID, 0.020" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	30.16 0.10 0.25	5.01
22 07 19 00-0095 LF 12-1/2" ID, 0.020" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	31.16 0.11 0.26	5.16
22 07 19 00-0096 LF 13" ID, 0.020" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	31.77 0.11 0.27	5.22
22 07 19 00-0097 LF 14" ID, 0.020" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	32.82 0.12 0.29	5.27
22 07 19 00-0098 LF 15" ID, 0.020" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	34.08 0.13 0.31	5.38
22 07 19 00-0099 LF 16" ID, 0.020" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	35.13 0.13 0.34	5.44
22 07 19 00-0100 LF 17" ID, 0.020" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	36.41 0.14 0.36	5.55
22 07 19 00-0101 LF 18" ID, 0.020" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	37.21 0.15 0.37	5.61
22 07 19 00-0102 LF 19" ID, 0.020" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	38.78 0.16 0.40	5.74
22 07 19 00-0103 LF 20" ID, 0.020" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	39.89 0.17 0.42	5.80
22 07 19 00-0104 LF 21" ID, 0.020" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	41.23 0.18 0.44	5.93
22 07 19 00-0105 LF 22" ID, 0.020" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	42.31 0.18 0.46	6.00
22 07 19 00-0106 LF 23" ID, 0.020" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	43.72 0.19 0.48	6.14
22 07 19 00-0107 LF 24" ID, 0.020" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	44.82 0.20 0.50	6.22
<b>22 07 19 00-0108 24 Mil, Aluminum Insulation Protective Jacketing With Polykraft Moisture Barrier And Bands</b> <small>(22 07 19 00-0002)</small>		
22 07 19 00-0109 LF 1/2" ID, 0.024" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	11.06 0.01 0.02	2.56
22 07 19 00-0110 LF 3/4" ID, 0.024" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	11.53 0.01 0.03	2.62
22 07 19 00-0111 LF 1" ID, 0.024" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	12.02 0.01 0.03	2.68
22 07 19 00-0112 LF 1-1/4" ID, 0.024" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	12.52 0.02 0.04	2.75
22 07 19 00-0113 LF 1-1/2" ID, 0.024" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	12.94 0.02 0.04	2.79
22 07 19 00-0114 LF 1-3/4" ID, 0.024" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	13.35 0.02 0.05	2.83
22 07 19 00-0115 LF 2" ID, 0.024" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	13.82 0.02 0.06	2.89
22 07 19 00-0116 LF 2-1/4" ID, 0.024" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	14.30 0.03 0.06	2.95
22 07 19 00-0117 LF 2-1/2" ID, 0.024" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	14.82 0.03 0.07	3.01
22 07 19 00-0118 LF 2-3/4" ID, 0.024" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	15.27 0.03 0.08	3.06
22 07 19 00-0119 LF 3" ID, 0.024" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	15.81 0.03 0.08	3.13
22 07 19 00-0120 LF 3-1/4" ID, 0.024" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	16.34 0.04 0.09	3.20
22 07 19 00-0121 LF 3-1/2" ID, 0.024" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	16.87 0.04 0.09	3.27



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0122 LF 3-3/4" ID, 0.024" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	17.35 0.04 0.10	3.33
22 07 19 00-0123 LF 4" ID, 0.024" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	17.92 0.04 0.11	3.41
22 07 19 00-0124 LF 4-1/4" ID, 0.024" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	18.49 0.05 0.11	3.49
22 07 19 00-0125 LF 4-1/2" ID, 0.024" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	19.13 0.05 0.12	3.58
22 07 19 00-0126 LF 4-3/4" ID, 0.024" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	19.65 0.05 0.13	3.65
22 07 19 00-0127 LF 5" ID, 0.024" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	20.28 0.05 0.13	3.76
22 07 19 00-0128 LF 5-1/4" ID, 0.024" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	20.93 0.06 0.14	3.86
22 07 19 00-0129 LF 5-1/2" ID, 0.024" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	21.50 0.06 0.14	3.94
22 07 19 00-0130 LF 5-3/4" ID, 0.024" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	22.22 0.06 0.15	4.05
22 07 19 00-0131 LF 6" ID, 0.024" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	22.94 0.06 0.16	4.17
22 07 19 00-0132 LF 6-1/4" ID, 0.024" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	23.44 0.07 0.16	4.23
22 07 19 00-0133 LF 6-1/2" ID, 0.024" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	23.95 0.07 0.17	4.30
22 07 19 00-0134 LF 7" ID, 0.024" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	24.80 0.07 0.18	4.40
22 07 19 00-0135 LF 7-1/4" ID, 0.024" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	25.45 0.07 0.19	4.50
22 07 19 00-0136 LF 7-1/2" ID, 0.024" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	26.00 0.08 0.19	4.58
22 07 19 00-0137 LF 8" ID, 0.024" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	26.80 0.08 0.20	4.65
22 07 19 00-0138 LF 8-1/2" ID, 0.024" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	27.58 0.09 0.22	4.73
22 07 19 00-0139 LF 9" ID, 0.024" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	28.55 0.09 0.23	4.85
22 07 19 00-0140 LF 9-1/2" ID, 0.024" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	29.40 0.10 0.24	4.94
22 07 19 00-0141 LF 10" ID, 0.024" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	30.25 0.10 0.25	5.02
22 07 19 00-0142 LF 10-1/2" ID, 0.024" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	31.09 0.11 0.27	5.11
22 07 19 00-0143 LF 11" ID, 0.0106 Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	32.15 0.11 0.28	5.27
22 07 19 00-0144 LF 11-1/2" ID, 0.024" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	33.06 0.12 0.29	5.37
22 07 19 00-0145 LF 12" ID, 0.024" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	33.97 0.12 0.30	5.47
22 07 19 00-0146 LF 12-1/2" ID, 0.024" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	35.11 0.13 0.31	5.63
22 07 19 00-0147 LF 13" ID, 0.024" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	35.81 0.13 0.33	5.69
22 07 19 00-0148 LF 14" ID, 0.024" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	37.06 0.14 0.35	5.75
22 07 19 00-0149 LF 15" ID, 0.024" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	38.50 0.15 0.38	5.87

**22 Plumbing**  
**22 07 Plumbing Insulation**  
**22 07 19 Plumbing Piping Insulation**



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0150	LF	16" ID, 0.024" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	39.75 0.16 0.40	5.93
22 07 19 00-0151	LF	17" ID, 0.024" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	41.22 0.17 0.43	6.05
22 07 19 00-0152	LF	18" ID, 0.024" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	42.15 0.18 0.44	6.12
22 07 19 00-0153	LF	19" ID, 0.024" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	43.99 0.19 0.47	6.25
22 07 19 00-0154	LF	20" ID, 0.024" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	45.27 0.20 0.50	6.32
22 07 19 00-0155	LF	21" ID, 0.024" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	46.82 0.21 0.52	6.47
22 07 19 00-0156	LF	22" ID, 0.024" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	48.10 0.22 0.55	6.54
22 07 19 00-0157	LF	23" ID, 0.024" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	49.72 0.23 0.57	6.71
22 07 19 00-0158	LF	24" ID, 0.024" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	51.01 0.24 0.60	6.79
<b>22 07 19 00-0159</b>		<b>32 Mil, Aluminum Insulation Protective Jacketing With Polykraft Moisture Barrier And Bands</b> <small>(22 07 19 00-0002)</small>		
22 07 19 00-0160	LF	1/2" ID, 0.032" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	12.45 0.01 0.03	2.84
22 07 19 00-0161	LF	3/4" ID, 0.032" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	13.03 0.01 0.04	2.90
22 07 19 00-0162	LF	1" ID, 0.032" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	13.64 0.02 0.04	2.97
22 07 19 00-0163	LF	1-1/4" ID, 0.032" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	14.24 0.02 0.05	3.04
22 07 19 00-0164	LF	1-1/2" ID, 0.032" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	14.75 0.02 0.06	3.09
22 07 19 00-0165	LF	1-3/4" ID, 0.032" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	15.26 0.03 0.07	3.13
22 07 19 00-0166	LF	2" ID, 0.032" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	15.85 0.03 0.08	3.20
22 07 19 00-0167	LF	2-1/4" ID, 0.032" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	16.44 0.03 0.08	3.27
22 07 19 00-0168	LF	2-1/2" ID, 0.032" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	17.09 0.04 0.09	3.33
22 07 19 00-0169	LF	2-3/4" ID, 0.032" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	17.62 0.04 0.10	3.39
22 07 19 00-0170	LF	3" ID, 0.032" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	18.29 0.04 0.11	3.46
22 07 19 00-0171	LF	3-1/4" ID, 0.032" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	18.94 0.05 0.12	3.54
22 07 19 00-0172	LF	3-1/2" ID, 0.032" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	19.59 0.05 0.13	3.62
22 07 19 00-0173	LF	3-3/4" ID, 0.032" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	20.17 0.05 0.14	3.69
22 07 19 00-0174	LF	4" ID, 0.032" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	20.86 0.06 0.14	3.79
22 07 19 00-0175	LF	4-1/4" ID, 0.032" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	21.55 0.06 0.15	3.88
22 07 19 00-0176	LF	4-1/2" ID, 0.032" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	22.32 0.06 0.16	3.98
22 07 19 00-0177	LF	4-3/4" ID, 0.032" Aluminum Insulation Jacketing <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	22.95 0.07 0.17	4.05





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0178 LF 5" ID, 0.032" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	23.71 0.07 0.18	4.16
22 07 19 00-0179 LF 5-1/4" ID, 0.032" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	24.49 0.07 0.18	4.28
22 07 19 00-0180 LF 5-1/2" ID, 0.032" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	25.18 0.08 0.19	4.36
22 07 19 00-0181 LF 5-3/4" ID, 0.032" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	26.04 0.08 0.20	4.49
22 07 19 00-0182 LF 6" ID, 0.032" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	26.89 0.08 0.21	4.62
22 07 19 00-0183 LF 6-1/4" ID, 0.032" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	27.50 0.09 0.22	4.69
22 07 19 00-0184 LF 6-1/2" ID, 0.032" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	28.12 0.09 0.23	4.76
22 07 19 00-0185 LF 7" ID, 0.032" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	29.17 0.10 0.24	4.87
22 07 19 00-0186 LF 7-1/4" ID, 0.032" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	29.95 0.10 0.25	4.99
22 07 19 00-0187 LF 7-1/2" ID, 0.032" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	30.62 0.10 0.26	5.07
22 07 19 00-0188 LF 8" ID, 0.032" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	31.61 0.11 0.27	5.16
22 07 19 00-0189 LF 8-1/2" ID, 0.032" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	32.59 0.12 0.29	5.25
22 07 19 00-0190 LF 9" ID, 0.032" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	33.79 0.12 0.31	5.38
22 07 19 00-0191 LF 9-1/2" ID, 0.032" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	34.86 0.13 0.32	5.48
22 07 19 00-0192 LF 10" ID, 0.032" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	35.90 0.14 0.34	5.57
22 07 19 00-0193 LF 10-1/2" ID, 0.032" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	36.95 0.14 0.36	5.67
22 07 19 00-0194 LF 11" ID, 0.0106 Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	38.24 0.15 0.37	5.83
22 07 19 00-0195 LF 11-1/2" ID, 0.032" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	39.37 0.16 0.39	5.94
22 07 19 00-0196 LF 12" ID, 0.032" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	40.48 0.16 0.41	6.06
22 07 19 00-0197 LF 12-1/2" ID, 0.032" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	41.86 0.17 0.42	6.24
22 07 19 00-0198 LF 13" ID, 0.032" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	42.76 0.18 0.44	6.30
22 07 19 00-0199 LF 14" ID, 0.032" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	44.36 0.19 0.47	6.36
22 07 19 00-0200 LF 15" ID, 0.032" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	46.20 0.20 0.50	6.50
22 07 19 00-0201 LF 16" ID, 0.032" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	47.81 0.22 0.54	6.56
22 07 19 00-0202 LF 17" ID, 0.032" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	49.67 0.23 0.57	6.71
22 07 19 00-0203 LF 18" ID, 0.032" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	50.85 0.24 0.59	6.79
22 07 19 00-0204 LF 19" ID, 0.032" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	53.21 0.25 0.64	6.94
22 07 19 00-0205 LF 20" ID, 0.032" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	54.86 0.27 0.67	7.01

**22 Plumbing**  
**22 07 Plumbing Insulation**  
**22 07 19 Plumbing Piping Insulation**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0206	LF		21" ID, 0.032" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	56.80 0.28 0.70	7.17
22 07 19 00-0207	LF		22" ID, 0.032" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	58.43 0.29 0.74	7.26
22 07 19 00-0208	LF		23" ID, 0.032" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	60.46 0.31 0.77	7.43
22 07 19 00-0209	LF		24" ID, 0.032" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	62.11 0.32 0.80	7.52
<b>22 07 19 00-0210</b>			<b>40 Mil, Aluminum Insulation Protective Jacketing With Polykraft Moisture Barrier And Bands</b> <small>(22 07 19 00-0002)</small>		
22 07 19 00-0211	LF		1/2" ID, 0.040" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	14.43 0.01 0.03	3.26
22 07 19 00-0212	LF		3/4" ID, 0.040" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	15.14 0.02 0.04	3.34
22 07 19 00-0213	LF		1" ID, 0.040" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	15.86 0.02 0.05	3.42
22 07 19 00-0214	LF		1-1/4" ID, 0.040" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	16.60 0.03 0.07	3.50
22 07 19 00-0215	LF		1-1/2" ID, 0.040" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	17.23 0.03 0.08	3.55
22 07 19 00-0216	LF		1-3/4" ID, 0.040" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	17.84 0.03 0.09	3.60
22 07 19 00-0217	LF		2" ID, 0.040" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	18.55 0.04 0.10	3.68
22 07 19 00-0218	LF		2-1/4" ID, 0.040" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	19.26 0.04 0.11	3.76
22 07 19 00-0219	LF		2-1/2" ID, 0.040" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	20.04 0.05 0.12	3.84
22 07 19 00-0220	LF		2-3/4" ID, 0.040" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	20.71 0.05 0.13	3.91
22 07 19 00-0221	LF		3" ID, 0.040" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	21.51 0.06 0.14	3.99
22 07 19 00-0222	LF		3-1/4" ID, 0.040" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	22.27 0.06 0.15	4.08
22 07 19 00-0223	LF		3-1/2" ID, 0.040" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	23.06 0.06 0.16	4.18
22 07 19 00-0224	LF		3-3/4" ID, 0.040" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	23.76 0.07 0.17	4.25
22 07 19 00-0225	LF		4" ID, 0.040" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	24.59 0.07 0.18	4.35
22 07 19 00-0226	LF		4-1/4" ID, 0.040" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	25.42 0.08 0.19	4.46
22 07 19 00-0227	LF		4-1/2" ID, 0.040" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	26.34 0.08 0.20	4.57
22 07 19 00-0228	LF		4-3/4" ID, 0.040" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	27.11 0.08 0.21	4.66
22 07 19 00-0229	LF		5" ID, 0.040" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	28.01 0.09 0.22	4.78
22 07 19 00-0230	LF		5-1/4" ID, 0.040" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	28.94 0.09 0.23	4.91
22 07 19 00-0231	LF		5-1/2" ID, 0.040" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	29.76 0.10 0.24	5.02
22 07 19 00-0232	LF		5-3/4" ID, 0.040" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	30.80 0.10 0.25	5.16
22 07 19 00-0233	LF		6" ID, 0.040" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	31.82 0.11 0.26	5.32



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0234 LF 6-1/4" ID, 0.040" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	32.55 0.11 0.27	5.40
22 07 19 00-0235 LF 6-1/2" ID, 0.040" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	33.29 0.11 0.28	5.48
22 07 19 00-0236 LF 7" ID, 0.040" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	34.56 0.12 0.30	5.61
22 07 19 00-0237 LF 7-1/4" ID, 0.040" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	35.52 0.13 0.31	5.74
22 07 19 00-0238 LF 7-1/2" ID, 0.040" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	36.30 0.13 0.32	5.84
22 07 19 00-0239 LF 8" ID, 0.040" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	37.51 0.14 0.34	5.94
22 07 19 00-0240 LF 8-1/2" ID, 0.040" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	38.71 0.15 0.36	6.03
22 07 19 00-0241 LF 9" ID, 0.040" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	40.15 0.15 0.38	6.19
22 07 19 00-0242 LF 9-1/2" ID, 0.040" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	41.45 0.16 0.41	6.29
22 07 19 00-0243 LF 10" ID, 0.040" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	42.70 0.17 0.43	6.41
22 07 19 00-0244 LF 10-1/2" ID, 0.040" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	44.00 0.18 0.45	6.52
22 07 19 00-0245 LF 11" ID, 0.0106 Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	45.53 0.19 0.47	6.71
22 07 19 00-0246 LF 11-1/2" ID, 0.040" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	46.91 0.20 0.49	6.84
22 07 19 00-0247 LF 12" ID, 0.040" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	48.27 0.20 0.51	6.97
22 07 19 00-0248 LF 12-1/2" ID, 0.040" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	49.91 0.21 0.53	7.18
22 07 19 00-0249 LF 13" ID, 0.040" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	51.03 0.22 0.55	7.25
22 07 19 00-0250 LF 14" ID, 0.040" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	53.00 0.24 0.59	7.33
22 07 19 00-0251 LF 15" ID, 0.040" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	55.24 0.25 0.63	7.48
22 07 19 00-0252 LF 16" ID, 0.040" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	57.23 0.27 0.68	7.56
22 07 19 00-0253 LF 17" ID, 0.040" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	59.52 0.29 0.72	7.72
22 07 19 00-0254 LF 18" ID, 0.040" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	60.97 0.30 0.74	7.80
22 07 19 00-0255 LF 19" ID, 0.040" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	63.87 0.32 0.80	7.97
22 07 19 00-0256 LF 20" ID, 0.040" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	65.91 0.34 0.84	8.06
22 07 19 00-0257 LF 21" ID, 0.040" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	68.27 0.35 0.88	8.26
22 07 19 00-0258 LF 22" ID, 0.040" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	70.29 0.37 0.92	8.35
22 07 19 00-0259 LF 23" ID, 0.040" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	72.76 0.39 0.96	8.55
22 07 19 00-0260 LF 24" ID, 0.040" Aluminum Insulation Jacketing ..... <i>For Stucco Embossed, Add</i> <i>For Corrugated, Add</i>	74.80 0.40 1.01	8.65
22 07 19 00-0261 Aluminum Insulation Protective Jacketing For Fittings (22 07 19 00-0002)		
22 07 19 00-0262 EA 1-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing .....	21.49	3.35



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0263 EA 1-3/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	21.98	3.47
22 07 19 00-0264 EA 2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	24.61	3.60
22 07 19 00-0265 EA 2-1/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	24.83	3.66
22 07 19 00-0266 EA 2-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	25.06	3.73
22 07 19 00-0267 EA 2-3/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	25.42	3.82
22 07 19 00-0268 EA 3" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	26.67	3.91
22 07 19 00-0269 EA 3-1/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	27.07	4.01
22 07 19 00-0270 EA 3-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	29.36	4.08
22 07 19 00-0271 EA 3-3/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	29.99	4.15
22 07 19 00-0272 EA 4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	31.07	4.27
22 07 19 00-0273 EA 4-1/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	31.77	4.35
22 07 19 00-0274 EA 4-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	32.09	4.43
22 07 19 00-0275 EA 4-3/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	32.43	4.51
22 07 19 00-0276 EA 5" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	34.62	4.60
22 07 19 00-0277 EA 5-1/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	37.48	4.69
22 07 19 00-0278 EA 5-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	42.66	4.83
22 07 19 00-0279 EA 5-3/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	43.06	4.94
22 07 19 00-0280 EA 6" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	40.29	5.10
22 07 19 00-0281 EA 6-1/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	40.74	5.22
22 07 19 00-0282 EA 6-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	45.53	5.40
22 07 19 00-0283 EA 7" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	51.15	5.52
22 07 19 00-0284 EA 7-1/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	51.41	5.59
22 07 19 00-0285 EA 7-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	65.35	5.65
22 07 19 00-0286 EA 8" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	54.75	5.72
22 07 19 00-0287 EA 8-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	82.35	5.87
22 07 19 00-0288 EA 9" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	82.95	6.01
22 07 19 00-0289 EA 9-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	67.69	6.09
22 07 19 00-0290 EA 10" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	68.02	6.17
22 07 19 00-0291 EA 10-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	69.28	6.25
22 07 19 00-0292 EA 11" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	69.62	6.34
22 07 19 00-0293 EA 11-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	76.38	6.51
22 07 19 00-0294 EA 12" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	76.74	6.60
22 07 19 00-0295 EA 12-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	116.74	6.80
22 07 19 00-0296 EA 13" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	117.15	6.90
22 07 19 00-0297 EA 14" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	148.52	7.11
22 07 19 00-0298 EA 15" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	154.88	7.33
22 07 19 00-0299 EA 16" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	166.74	7.45
22 07 19 00-0300 EA 2-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	23.29	3.73
22 07 19 00-0301 EA 2-3/4" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	23.65	3.82
22 07 19 00-0302 EA 3" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	25.14	3.91
22 07 19 00-0303 EA 3-1/4" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	25.54	4.01
22 07 19 00-0304 EA 3-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	27.15	4.08
22 07 19 00-0305 EA 3-3/4" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	27.44	4.15
22 07 19 00-0306 EA 4" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	28.08	4.27
22 07 19 00-0307 EA 4-1/4" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	29.94	4.35
22 07 19 00-0308 EA 4-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	30.26	4.43
22 07 19 00-0309 EA 4-3/4" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	30.60	4.51
22 07 19 00-0310 EA 5" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	33.14	4.60
22 07 19 00-0311 EA 5-1/4" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	33.52	4.69
22 07 19 00-0312 EA 5-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	34.82	4.83
22 07 19 00-0313 EA 6" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	35.87	5.10
22 07 19 00-0314 EA 6-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	42.94	5.40
22 07 19 00-0315 EA 7" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	43.44	5.52
22 07 19 00-0316 EA 7-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	44.17	5.65
22 07 19 00-0317 EA 8" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	44.44	5.72
22 07 19 00-0318 EA 8-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	50.28	5.87
22 07 19 00-0319 EA 9" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	50.88	6.01
22 07 19 00-0320 EA 9-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	61.60	6.09
22 07 19 00-0321 EA 10" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	61.93	6.17
22 07 19 00-0322 EA 10-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	59.84	6.25
22 07 19 00-0323 EA 11" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	60.18	6.34
22 07 19 00-0324 EA 11-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	67.90	6.51
22 07 19 00-0325 EA 12" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	68.26	6.60
22 07 19 00-0326 EA 13" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	76.70	6.90
22 07 19 00-0327 EA 14" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	88.67	7.11
22 07 19 00-0328 EA 15" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	122.15	7.33
22 07 19 00-0329 EA 16" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	130.41	7.45
22 07 19 00-0330 EA 17" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	128.51	7.57
22 07 19 00-0331 EA 18" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	142.84	7.69
22 07 19 00-0332 EA 19" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	168.17	7.82
22 07 19 00-0333 EA 20" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	164.19	7.95
22 07 19 00-0334 EA 21" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	175.29	8.08
22 07 19 00-0335 EA 2-1/2" ID, Aluminum Tee Insulation Jacketing.....	79.02	5.34
22 07 19 00-0336 EA 2-3/4" ID, Aluminum Tee Insulation Jacketing.....	79.53	5.46
22 07 19 00-0337 EA 3" ID, Aluminum Tee Insulation Jacketing.....	87.52	5.59
22 07 19 00-0338 EA 3-1/4" ID, Aluminum Tee Insulation Jacketing.....	88.06	5.72
22 07 19 00-0339 EA 3-1/2" ID, Aluminum Tee Insulation Jacketing.....	91.77	5.87
22 07 19 00-0340 EA 4" ID, Aluminum Tee Insulation Jacketing.....	93.10	6.01
22 07 19 00-0341 EA 4-1/4" ID, Aluminum Tee Insulation Jacketing.....	97.73	6.17
22 07 19 00-0342 EA 4-1/2" ID, Aluminum Tee Insulation Jacketing.....	97.79	6.34
22 07 19 00-0343 EA 4-3/4" ID, Aluminum Tee Insulation Jacketing.....	98.50	6.51



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0344 EA 5" ID, Aluminum Tee Insulation Jacketing .....	101.95	6.71
22 07 19 00-0345 EA 5-1/4" ID, Aluminum Tee Insulation Jacketing .....	102.74	6.90
22 07 19 00-0346 EA 5-1/2" ID, Aluminum Tee Insulation Jacketing .....	106.89	7.11
22 07 19 00-0347 EA 6" ID, Aluminum Tee Insulation Jacketing .....	107.79	7.33
22 07 19 00-0348 EA 6-1/2" ID, Aluminum Tee Insulation Jacketing .....	117.47	7.82
22 07 19 00-0349 EA 7" ID, Aluminum Tee Insulation Jacketing .....	118.55	8.08
22 07 19 00-0350 EA 7-1/2" ID, Aluminum Tee Insulation Jacketing .....	129.36	8.38
22 07 19 00-0351 EA 8" ID, Aluminum Tee Insulation Jacketing .....	130.59	8.69
22 07 19 00-0352 EA 8-1/2" ID, Aluminum Tee Insulation Jacketing .....	134.46	9.02
22 07 19 00-0353 EA 9" ID, Aluminum Tee Insulation Jacketing .....	135.90	9.38
22 07 19 00-0354 EA 9-1/2" ID, Aluminum Tee Insulation Jacketing .....	111.31	9.57
22 07 19 00-0355 EA 10" ID, Aluminum Tee Insulation Jacketing .....	112.10	9.78
22 07 19 00-0356 EA 10-1/2" ID, Aluminum Tee Insulation Jacketing .....	117.69	9.99
22 07 19 00-0357 EA 11" ID, Aluminum Tee Insulation Jacketing .....	118.56	10.20
22 07 19 00-0358 EA 11-1/2" ID, Aluminum Tee Insulation Jacketing .....	123.71	10.43
22 07 19 00-0359 EA 12" ID, Aluminum Tee Insulation Jacketing .....	124.66	10.66
22 07 19 00-0360 EA 13" ID, Aluminum Tee Insulation Jacketing .....	129.73	10.91
22 07 19 00-0361 EA 14" ID, Aluminum Tee Insulation Jacketing .....	134.99	11.18
22 07 19 00-0362 EA 15" ID, Aluminum Tee Insulation Jacketing .....	143.44	11.45
22 07 19 00-0363 EA 16" ID, Aluminum Tee Insulation Jacketing .....	147.04	11.73
22 07 19 00-0364 EA 17" ID, Aluminum Tee Insulation Jacketing .....	163.23	12.03
22 07 19 00-0365 EA 18" ID, Aluminum Tee Insulation Jacketing .....	168.97	12.34
22 07 19 00-0366 EA 19" ID, Aluminum Tee Insulation Jacketing .....	182.98	12.68
22 07 19 00-0367 EA 20" ID, Aluminum Tee Insulation Jacketing .....	187.27	13.03
22 07 19 00-0368 EA 22" ID, Aluminum Tee Insulation Jacketing .....	225.53	13.40
22 07 19 00-0369 EA 23" ID, Aluminum Tee Insulation Jacketing .....	231.88	13.80
22 07 19 00-0370 EA 24" ID, Aluminum Tee Insulation Jacketing .....	241.83	15.13
<b>22 07 19 00-0371 Stainless Steel Insulation Protective Jacketing With Bands (22 07 19 00-0001)</b>		
<b>22 07 19 00-0372 Type 304 Stainless Steel Roll, Insulation Protective Jacketing With Bands (22 07 19 00-0371)</b>		
22 07 19 00-0373 SF 0.010" Stainless Steel Insulation Jacket With Bands .....	22.39	8.80
22 07 19 00-0374 SF 0.016" Stainless Steel Insulation Jacket With Bands .....	27.57	10.56
<b>22 07 19 00-0375 10 Mil, Type 304 Stainless Steel, Insulation Protective Jacketing With Moisture Barrier And Bands (22 07 19 00-0371)</b>		
22 07 19 00-0376 LF 2-1/2" ID, 0.010" Stainless Steel Insulation Jacketing .....	11.41	1.87
22 07 19 00-0377 LF 2-3/4" ID, 0.010" Stainless Steel Insulation Jacketing .....	11.90	1.91
22 07 19 00-0378 LF 3" ID, 0.010" Stainless Steel Insulation Jacketing .....	12.41	1.95
22 07 19 00-0379 LF 3-1/4" ID, 0.010" Stainless Steel Insulation Jacketing .....	12.92	1.99
22 07 19 00-0380 LF 3-1/2" ID, 0.010" Stainless Steel Insulation Jacketing .....	13.46	2.04
22 07 19 00-0381 LF 3-3/4" ID, 0.010" Stainless Steel Insulation Jacketing .....	13.97	2.08
22 07 19 00-0382 LF 4" ID, 0.010" Stainless Steel Insulation Jacketing .....	14.51	2.13
22 07 19 00-0383 LF 4-1/4" ID, 0.010" Stainless Steel Insulation Jacketing .....	15.05	2.18
22 07 19 00-0384 LF 4-1/2" ID, 0.010" Stainless Steel Insulation Jacketing .....	15.61	2.24
22 07 19 00-0385 LF 5" ID, 0.010" Stainless Steel Insulation Jacketing .....	16.75	2.35
22 07 19 00-0386 LF 5-1/2" ID, 0.010" Stainless Steel Insulation Jacketing .....	17.94	2.47
22 07 19 00-0387 LF 6" ID, 0.010" Stainless Steel Insulation Jacketing .....	19.17	2.61
22 07 19 00-0388 LF 6-1/2" ID, 0.010" Stainless Steel Insulation Jacketing .....	20.15	2.68
22 07 19 00-0389 LF 7" ID, 0.010" Stainless Steel Insulation Jacketing .....	21.18	2.76
22 07 19 00-0390 LF 7-1/2" ID, 0.010" Stainless Steel Insulation Jacketing .....	22.27	2.86
22 07 19 00-0391 LF 8" ID, 0.010" Stainless Steel Insulation Jacketing .....	23.17	2.91
22 07 19 00-0392 LF 8-1/2" ID, 0.010" Stainless Steel Insulation Jacketing .....	24.08	2.97
22 07 19 00-0393 LF 9" ID, 0.010" Stainless Steel Insulation Jacketing .....	25.01	3.03
22 07 19 00-0394 LF 9-1/2" ID, 0.010" Stainless Steel Insulation Jacketing .....	25.93	3.09
22 07 19 00-0395 LF 10" ID, 0.010" Stainless Steel Insulation Jacketing .....	26.88	3.15
22 07 19 00-0396 LF 10-1/2" ID, 0.010" Stainless Steel Insulation Jacketing .....	27.84	3.21
22 07 19 00-0397 LF 11" ID, 0.010" Stainless Steel Insulation Jacketing .....	28.80	3.28
22 07 19 00-0398 LF 12" ID, 0.010" Stainless Steel Insulation Jacketing .....	30.75	3.42
22 07 19 00-0399 LF 13" ID, 0.010" Stainless Steel Insulation Jacketing .....	32.66	3.55
22 07 19 00-0400 LF 14" ID, 0.010" Stainless Steel Insulation Jacketing .....	34.26	3.60
<b>22 07 19 00-0401 16 Mil, Type 304 Stainless Steel, Insulation Protective Jacketing With Moisture Barrier And Bands (22 07 19 00-0371)</b>		
22 07 19 00-0402 LF 2-1/2" ID, 0.016" Stainless Steel Insulation Jacketing .....	15.64	2.50
22 07 19 00-0403 LF 2-3/4" ID, 0.016" Stainless Steel Insulation Jacketing .....	16.34	2.55
22 07 19 00-0404 LF 3" ID, 0.016" Stainless Steel Insulation Jacketing .....	17.05	2.60
22 07 19 00-0405 LF 3-1/4" ID, 0.016" Stainless Steel Insulation Jacketing .....	17.79	2.66
22 07 19 00-0406 LF 3-1/2" ID, 0.016" Stainless Steel Insulation Jacketing .....	18.52	2.71
22 07 19 00-0407 LF 3-3/4" ID, 0.016" Stainless Steel Insulation Jacketing .....	19.26	2.77
22 07 19 00-0408 LF 4" ID, 0.016" Stainless Steel Insulation Jacketing .....	20.02	2.84
22 07 19 00-0409 LF 4-1/4" ID, 0.016" Stainless Steel Insulation Jacketing .....	20.78	2.90
22 07 19 00-0410 LF 4-1/2" ID, 0.016" Stainless Steel Insulation Jacketing .....	21.55	2.97
22 07 19 00-0411 LF 5" ID, 0.016" Stainless Steel Insulation Jacketing .....	23.16	3.12
22 07 19 00-0412 LF 5-1/2" ID, 0.016" Stainless Steel Insulation Jacketing .....	24.82	3.28
22 07 19 00-0413 LF 6" ID, 0.016" Stainless Steel Insulation Jacketing .....	26.54	3.46
22 07 19 00-0414 LF 6-1/2" ID, 0.016" Stainless Steel Insulation Jacketing .....	27.95	3.56

**22 Plumbing**  
**22 07 Plumbing Insulation**  
**22 07 19 Plumbing Piping Insulation**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0415	LF		7" ID, 0.016" Stainless Steel Insulation Jacketing.....	29.38	3.67
22 07 19 00-0416	LF		7-1/2" ID, 0.016" Stainless Steel Insulation Jacketing.....	30.91	3.81
22 07 19 00-0417	LF		8" ID, 0.016" Stainless Steel Insulation Jacketing.....	32.19	3.88
22 07 19 00-0418	LF		8-1/2" ID, 0.016" Stainless Steel Insulation Jacketing.....	33.49	3.95
22 07 19 00-0419	LF		9" ID, 0.016" Stainless Steel Insulation Jacketing.....	34.82	4.03
22 07 19 00-0420	LF		9-1/2" ID, 0.016" Stainless Steel Insulation Jacketing.....	36.13	4.11
22 07 19 00-0421	LF		10" ID, 0.016" Stainless Steel Insulation Jacketing.....	37.46	4.19
22 07 19 00-0422	LF		10-1/2" ID, 0.016" Stainless Steel Insulation Jacketing.....	38.83	4.28
22 07 19 00-0423	LF		11" ID, 0.0106 Stainless Steel Insulation Jacketing.....	40.18	4.36
22 07 19 00-0424	LF		12" ID, 0.016" Stainless Steel Insulation Jacketing.....	42.94	4.55
22 07 19 00-0425	LF		13" ID, 0.016" Stainless Steel Insulation Jacketing.....	45.65	4.73
22 07 19 00-0426	LF		14" ID, 0.016" Stainless Steel Insulation Jacketing.....	47.93	4.80

**22 07 19 00-0427 Type 316 Stainless Steel Insulation Protective Jacketing For Fittings (22 07 19 00-0371)**

22 07 19 00-0428	EA		2-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	32.10	3.73
22 07 19 00-0429	EA		2-3/4" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	32.46	3.82
22 07 19 00-0430	EA		3" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	33.64	3.91
22 07 19 00-0431	EA		3-1/4" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	34.04	4.01
22 07 19 00-0432	EA		3-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	35.23	4.08
22 07 19 00-0433	EA		3-3/4" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	36.59	4.15
22 07 19 00-0434	EA		4" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	39.03	4.27
22 07 19 00-0435	EA		4-1/4" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	46.57	4.35
22 07 19 00-0436	EA		4-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	46.89	4.43
22 07 19 00-0437	EA		5" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	48.26	4.60
22 07 19 00-0438	EA		5-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	63.87	4.83
22 07 19 00-0439	EA		6" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	69.27	5.10
22 07 19 00-0440	EA		6-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	88.85	5.40
22 07 19 00-0441	EA		7" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	89.35	5.52
22 07 19 00-0442	EA		7-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	101.16	5.65
22 07 19 00-0443	EA		8" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	102.01	5.87
22 07 19 00-0444	EA		8-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	104.68	5.87
22 07 19 00-0445	EA		9" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	147.60	6.01
22 07 19 00-0446	EA		9-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	145.76	6.09
22 07 19 00-0447	EA		10" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	146.09	6.17
22 07 19 00-0448	EA		10-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	170.26	6.25
22 07 19 00-0449	EA		11" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	164.01	6.34
22 07 19 00-0450	EA		12" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	183.83	6.60
22 07 19 00-0451	EA		13" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	245.68	6.90
22 07 19 00-0452	EA		14" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	247.98	7.11
22 07 19 00-0453	EA		2-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	29.24	3.73
22 07 19 00-0454	EA		2-3/4" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	29.60	3.82
22 07 19 00-0455	EA		3" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	31.08	3.91
22 07 19 00-0456	EA		3-1/4" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	31.48	4.01
22 07 19 00-0457	EA		3-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	31.95	4.08
22 07 19 00-0458	EA		3-3/4" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	32.24	4.15
22 07 19 00-0459	EA		4" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	37.16	4.27
22 07 19 00-0460	EA		4-1/4" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	45.58	4.35
22 07 19 00-0461	EA		4-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	45.90	4.43
22 07 19 00-0462	EA		4-3/4" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	46.24	4.51
22 07 19 00-0463	EA		5" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	47.07	4.60
22 07 19 00-0464	EA		5-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	48.03	4.83
22 07 19 00-0465	EA		6" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	54.43	5.10
22 07 19 00-0466	EA		6-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	55.61	5.40
22 07 19 00-0467	EA		7" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	79.66	5.52
22 07 19 00-0468	EA		7-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	81.37	5.65
22 07 19 00-0469	EA		8" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	81.64	5.72
22 07 19 00-0470	EA		8-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	92.22	5.87
22 07 19 00-0471	EA		9" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	92.82	6.01
22 07 19 00-0472	EA		9-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	105.10	6.09
22 07 19 00-0473	EA		10" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	105.43	6.17
22 07 19 00-0474	EA		10-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	122.04	6.25
22 07 19 00-0475	EA		11" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	122.38	6.34
22 07 19 00-0476	EA		12" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	131.79	6.60
22 07 19 00-0477	EA		13" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing.....	151.58	6.90

**22 07 19 00-0478 Polyvinyl Chloride (PVC) Insulation Protective Jacketing (22 07 19 00-0001)**

**22 07 19 00-0479 20 Mil Polyvinyl Chloride (PVC) Insulation Protective Jacketing (22 07 19 00-0478)**

22 07 19 00-0480	LF		1-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	8.63	1.74
22 07 19 00-0481	LF		2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	9.46	1.80
22 07 19 00-0482	LF		2-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	10.17	1.87
22 07 19 00-0483	LF		3" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	11.04	1.95
22 07 19 00-0484	LF		3-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	11.81	2.04
22 07 19 00-0485	LF		4" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	12.66	2.13
22 07 19 00-0486	LF		4-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	13.56	2.24
22 07 19 00-0487	LF		5" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	14.42	2.35
22 07 19 00-0488	LF		5-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	15.41	2.47
22 07 19 00-0489	LF		6" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	16.45	2.61
22 07 19 00-0490	LF		6-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing.....	17.23	2.68



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0491	LF	7"	7" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing .....	17.97	2.76
22 07 19 00-0492	LF	7-1/2"	7-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing .....	18.94	2.86
22 07 19 00-0493	LF	8"	8" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing .....	19.57	2.91
22 07 19 00-0494	LF	8-1/2"	8-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing .....	20.28	2.97
22 07 19 00-0495	LF	9"	9" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing .....	21.00	3.03
22 07 19 00-0496	LF	9-1/2"	9-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing .....	21.72	3.09
22 07 19 00-0497	LF	10"	10" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing .....	22.40	3.15
22 07 19 00-0498	LF	10-1/2"	10-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing .....	23.15	3.21
22 07 19 00-0499	LF	11"	11" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing .....	23.91	3.28
22 07 19 00-0500	LF	11-1/2"	11-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing .....	24.68	3.35
22 07 19 00-0501	LF	12"	12" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing .....	25.39	3.42
22 07 19 00-0502	LF	12-1/2"	12-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing .....	26.25	3.50
22 07 19 00-0503	LF	13"	13" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing .....	26.88	3.55
22 07 19 00-0504	LF	13-1/2"	13-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing .....	27.37	3.55
22 07 19 00-0505	LF	14"	14" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing .....	28.08	3.60
22 07 19 00-0506	LF	15"	15" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing .....	29.28	3.66
22 07 19 00-0507	LF	16"	16" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing .....	30.42	3.73
22 07 19 00-0508	LF	17"	17" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing .....	31.64	3.79
22 07 19 00-0509	LF	18"	18" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing .....	32.87	3.85
22 07 19 00-0510	LF	19"	19" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing .....	34.04	3.91
22 07 19 00-0511	LF	20"	20" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing .....	35.29	3.98
22 07 19 00-0512	LF	21"	21" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing .....	36.47	4.05
22 07 19 00-0513	LF	22"	22" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing .....	37.73	4.12
22 07 19 00-0514	LF	23"	23" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing .....	38.93	4.19
22 07 19 00-0515	LF	24"	24" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing .....	40.23	4.27
22 07 19 00-0516	LF	25"	25" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing .....	41.52	4.35
22 07 19 00-0517	LF	26"	26" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing .....	42.75	4.43
22 07 19 00-0518	LF	27"	27" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing .....	44.07	4.51
22 07 19 00-0519	LF	28"	28" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing .....	45.33	4.60
22 07 19 00-0520	LF	29"	29" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing .....	46.69	4.69
22 07 19 00-0521	LF	30"	30" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing .....	48.05	4.79
<b>22 07 19 00-0522 30 Mil Polyvinyl Chloride (PVC) Insulation Protective Jacketing (22 07 19 00-0478)</b>					
22 07 19 00-0523	LF	2"	2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing .....	10.51	1.80
22 07 19 00-0524	LF	2-1/2"	2-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing .....	11.50	1.87
22 07 19 00-0525	LF	3"	3" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing .....	12.58	1.95
22 07 19 00-0526	LF	3-1/2"	3-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing .....	13.56	2.04
22 07 19 00-0527	LF	4"	4" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing .....	14.62	2.13
22 07 19 00-0528	LF	4-1/2"	4-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing .....	15.73	2.24
22 07 19 00-0529	LF	5"	5" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing .....	16.87	2.35
22 07 19 00-0530	LF	5-1/2"	5-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing .....	18.07	2.47
22 07 19 00-0531	LF	6"	6" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing .....	19.32	2.61
22 07 19 00-0532	LF	6-1/2"	6-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing .....	20.31	2.68
22 07 19 00-0533	LF	7"	7" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing .....	21.33	2.76
22 07 19 00-0534	LF	7-1/2"	7-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing .....	22.51	2.86
22 07 19 00-0535	LF	8"	8" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing .....	23.42	2.91
22 07 19 00-0536	LF	8-1/2"	8-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing .....	24.34	2.97
22 07 19 00-0537	LF	9"	9" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing .....	25.26	3.03
22 07 19 00-0538	LF	9-1/2"	9-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing .....	26.19	3.09
22 07 19 00-0539	LF	10"	10" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing .....	27.15	3.15
22 07 19 00-0540	LF	10-1/2"	10-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing .....	28.11	3.21
22 07 19 00-0541	LF	11"	11" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing .....	29.08	3.28
22 07 19 00-0542	LF	11-1/2"	11-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing .....	30.06	3.35
22 07 19 00-0543	LF	12"	12" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing .....	31.05	3.42
22 07 19 00-0544	LF	12-1/2"	12-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing .....	32.12	3.50
22 07 19 00-0545	LF	13"	13" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing .....	33.04	3.55
22 07 19 00-0546	LF	13-1/2"	13-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing .....	33.74	3.55
22 07 19 00-0547	LF	14"	14" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing .....	34.66	3.60
22 07 19 00-0548	LF	15"	15" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing .....	36.28	3.66
22 07 19 00-0549	LF	16"	16" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing .....	37.91	3.73
22 07 19 00-0550	LF	17"	17" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing .....	39.55	3.79
22 07 19 00-0551	LF	18"	18" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing .....	41.27	3.85
22 07 19 00-0552	LF	19"	19" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing .....	42.93	3.91
22 07 19 00-0553	LF	20"	20" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing .....	44.60	3.98
22 07 19 00-0554	LF	21"	21" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing .....	46.27	4.05
22 07 19 00-0555	LF	22"	22" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing .....	47.95	4.12
22 07 19 00-0556	LF	23"	23" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing .....	49.64	4.19
22 07 19 00-0557	LF	24"	24" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing .....	51.36	4.27
22 07 19 00-0558	LF	25"	25" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing .....	53.14	4.35
22 07 19 00-0559	LF	26"	26" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing .....	54.86	4.43
22 07 19 00-0560	LF	27"	27" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing .....	56.59	4.51
22 07 19 00-0561	LF	28"	28" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing .....	58.34	4.60
22 07 19 00-0562	LF	29"	29" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing .....	60.12	4.69
22 07 19 00-0563	LF	30"	30" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing .....	61.90	4.79
<b>22 07 19 00-0564 Polyvinyl Chloride (PVC) Insulation Protective Jacketing For Fittings (22 07 19 00-0478)</b>					
22 07 19 00-0565	EA	1-3/4"	1-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing .....	17.75	3.47
22 07 19 00-0566	EA	2"	2" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing .....	19.20	3.60



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0567 EA 2-1/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing.....	19.98	3.66
22 07 19 00-0568 EA 2-1/2"ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing.....	20.77	3.73
22 07 19 00-0569 EA 2-3/4"ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing.....	21.62	3.82
22 07 19 00-0570 EA 3" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing.....	22.36	3.91
22 07 19 00-0571 EA 3-3/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing.....	23.81	4.05
22 07 19 00-0572 EA 3-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing.....	25.15	4.15
22 07 19 00-0573 EA 4-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing.....	27.85	4.27
22 07 19 00-0574 EA 4-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing.....	30.88	4.47
22 07 19 00-0575 EA 5-1/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing.....	33.95	4.69
22 07 19 00-0576 EA 5-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing.....	39.76	4.94
22 07 19 00-0577 EA 6-1/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing.....	54.23	5.22
22 07 19 00-0578 EA 6-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing.....	56.71	5.40
22 07 19 00-0579 EA 7-1/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing.....	66.09	5.52
22 07 19 00-0580 EA 7-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing.....	68.79	5.65
22 07 19 00-0581 EA 8-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing.....	82.87	5.87
22 07 19 00-0582 EA 9-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing.....	103.72	6.09
22 07 19 00-0583 EA 10-7/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing.....	113.94	6.34
22 07 19 00-0584 EA 11-7/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing.....	127.96	6.60
22 07 19 00-0585 EA 12-7/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing.....	155.79	6.90
22 07 19 00-0586 EA 14-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing.....	174.95	7.11
22 07 19 00-0587 EA 15-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing.....	186.77	7.33
22 07 19 00-0588 EA 16-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing.....	201.64	7.45
22 07 19 00-0589 EA 17-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing.....	220.93	7.57
22 07 19 00-0590 EA 18-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing.....	276.72	7.69
22 07 19 00-0591 EA 19-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing.....	365.19	7.82
22 07 19 00-0592 EA 20-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing.....	460.94	7.95
22 07 19 00-0593 EA 1-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	17.75	3.47
22 07 19 00-0594 EA 2" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	19.20	3.60
22 07 19 00-0595 EA 2-1/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	19.98	3.66
22 07 19 00-0596 EA 2-1/2"ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	20.77	3.73
22 07 19 00-0597 EA 2-3/4"ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	21.62	3.82
22 07 19 00-0598 EA 3" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	22.36	3.91
22 07 19 00-0599 EA 3-3/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	23.81	4.05
22 07 19 00-0600 EA 3-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	25.15	4.15
22 07 19 00-0601 EA 4-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	27.85	4.27
22 07 19 00-0602 EA 4-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	30.88	4.47
22 07 19 00-0603 EA 5-1/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	33.95	4.69
22 07 19 00-0604 EA 5-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	39.76	4.94
22 07 19 00-0605 EA 6-1/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	54.23	5.22
22 07 19 00-0606 EA 6-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	56.71	5.40
22 07 19 00-0607 EA 7-1/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	66.09	5.52
22 07 19 00-0608 EA 7-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	68.79	5.65
22 07 19 00-0609 EA 8-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	82.87	5.87
22 07 19 00-0610 EA 9-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	103.72	6.09
22 07 19 00-0611 EA 10-7/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	113.87	6.34
22 07 19 00-0612 EA 11-7/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	124.04	6.60
22 07 19 00-0613 EA 12-7/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	136.55	6.90
22 07 19 00-0614 EA 14-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	152.91	7.11
22 07 19 00-0615 EA 15-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	162.91	7.33
22 07 19 00-0616 EA 16-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	182.33	7.45
22 07 19 00-0617 EA 17-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	202.04	7.57
22 07 19 00-0618 EA 18-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	240.69	7.69
22 07 19 00-0619 EA 19-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	317.61	7.82
22 07 19 00-0620 EA 20-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing.....	356.12	7.95
22 07 19 00-0621 EA 1-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	26.83	4.88
22 07 19 00-0622 EA 2" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	28.22	4.99
22 07 19 00-0623 EA 2-1/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	29.58	5.15
22 07 19 00-0624 EA 2-1/2"ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	31.12	5.34
22 07 19 00-0625 EA 2-3/4"ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	32.86	5.52
22 07 19 00-0626 EA 3" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	34.57	5.72
22 07 19 00-0627 EA 3-3/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	37.19	5.94
22 07 19 00-0628 EA 3-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	39.95	6.17
22 07 19 00-0629 EA 4-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	43.76	6.42
22 07 19 00-0630 EA 4-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	49.27	6.71
22 07 19 00-0631 EA 5-1/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	55.02	7.01
22 07 19 00-0632 EA 5-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	65.69	7.45
22 07 19 00-0633 EA 6-1/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	78.44	7.82
22 07 19 00-0634 EA 6-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	90.16	7.95
22 07 19 00-0635 EA 7-1/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	127.24	8.24
22 07 19 00-0636 EA 7-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	138.17	8.69
22 07 19 00-0637 EA 8-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	161.90	9.02
22 07 19 00-0638 EA 9-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	185.87	9.38
22 07 19 00-0639 EA 10-7/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	189.18	9.78
22 07 19 00-0640 EA 11-7/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	206.67	9.99
22 07 19 00-0641 EA 12-7/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	224.20	10.20
22 07 19 00-0642 EA 14-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	241.89	10.43
22 07 19 00-0643 EA 15-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	259.42	10.66
22 07 19 00-0644 EA 16-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	277.14	10.91
22 07 19 00-0645 EA 17-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	294.69	11.18
22 07 19 00-0646 EA 18-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	320.97	11.45
22 07 19 00-0647 EA 19-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	347.17	11.73





MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0648	EA		20-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing.....	378.95	12.03
22 07 19 00-0649	EA		3/4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing.....	43.85	3.35
22 07 19 00-0650	EA		1" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing.....	43.85	3.35
22 07 19 00-0651	EA		1-1/4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing.....	52.45	3.47
22 07 19 00-0652	EA		1-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing.....	52.45	3.47
22 07 19 00-0653	EA		2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing.....	75.25	3.60
22 07 19 00-0654	EA		2-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing.....	82.53	3.76
22 07 19 00-0655	EA		3" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing.....	91.28	3.91
22 07 19 00-0656	EA		3-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing.....	103.86	4.08
22 07 19 00-0657	EA		4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing.....	114.61	4.27
22 07 19 00-0658	EA		5" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing.....	140.03	4.69
22 07 19 00-0659	EA		6" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing.....	199.98	5.22
22 07 19 00-0660	EA		8" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing.....	218.54	5.87
22 07 19 00-0661	EA		10" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing.....	274.61	6.25
22 07 19 00-0662	EA		12" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing.....	386.56	6.90
22 07 19 00-0663	EA		14" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing.....	388.47	7.22
22 07 19 00-0664	EA		16" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing.....	518.82	7.45
22 07 19 00-0665	EA		18" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing.....	703.34	7.69
22 07 19 00-0666	EA		3/4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing.....	40.49	3.35
22 07 19 00-0667	EA		1" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing.....	40.49	3.35
22 07 19 00-0668	EA		1-1/4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing.....	48.40	3.47
22 07 19 00-0669	EA		1-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing.....	48.40	3.47
22 07 19 00-0670	EA		2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing.....	68.60	3.60
22 07 19 00-0671	EA		2-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing.....	75.12	3.76
22 07 19 00-0672	EA		3" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing.....	83.16	3.91
22 07 19 00-0673	EA		3-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing.....	87.55	4.08
22 07 19 00-0674	EA		4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing.....	103.84	4.27
22 07 19 00-0675	EA		5" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing.....	126.67	4.69
22 07 19 00-0676	EA		6" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing.....	180.32	5.22
22 07 19 00-0677	EA		8" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing.....	196.99	5.87
22 07 19 00-0678	EA		10" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing.....	247.18	6.25
22 07 19 00-0679	EA		12" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing.....	347.30	6.90
22 07 19 00-0680	EA		14" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing.....	444.72	7.22
22 07 19 00-0681	EA		16" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing.....	533.59	7.45
22 07 19 00-0682	EA		18" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing.....	625.39	7.69
22 07 19 00-0683	EA		3/4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing.....	59.85	5.04
22 07 19 00-0684	EA		1" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing.....	59.85	5.04
22 07 19 00-0685	EA		1-1/4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing.....	70.95	5.22
22 07 19 00-0686	EA		1-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing.....	70.95	5.22
22 07 19 00-0687	EA		2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing.....	100.58	5.40
22 07 19 00-0688	EA		2-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing.....	110.22	5.59
22 07 19 00-0689	EA		3" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing.....	121.77	5.87
22 07 19 00-0690	EA		3-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing.....	128.56	6.09
22 07 19 00-0691	EA		4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing.....	152.92	6.42
22 07 19 00-0692	EA		5" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing.....	168.16	7.01
22 07 19 00-0693	EA		6" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing.....	238.61	7.82
22 07 19 00-0694	EA		8" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing.....	259.50	8.69
22 07 19 00-0695	EA		10" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing.....	362.06	9.38
22 07 19 00-0696	EA		12" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing.....	507.30	10.20
22 07 19 00-0697	EA		14" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing.....	607.12	10.91
22 07 19 00-0698	EA		16" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing.....	720.61	11.18
22 07 19 00-0699	EA		18" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing.....	790.41	11.45

**22 07 19 00-0700 Insulation Foam Rubber (22 07 19)**

**22 07 19 00-0701 Covering 4x6 Sheet (22 07 19 00-0700)**

22 07 19 00-0702	SF	1" Thick Foam Rubber Sheet Insulation.....	24.16	8.33
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**22 07 19 00-0703 Fiberglass (Glass Fiber) Pipe Insulation (22 07 19)**

Note: Includes factory applied All Service Jacket (ASJ), Self Sealing Lap (SSL) longitudinal seam, butt strip seals, and adhesive. Excludes insulation for fittings (a location requiring purchase of an insulation fitting or cutting and fitting straight sections, excludes couplings, plugs, etc.). For fittings/valves up to 3" add 2 LF for each fitting/valve or 3 LF for each flanged/grooved joint. For fittings/valves >3" add 3 LF for each fitting/valve or 4 LF for each flanged/grooved joint.

**22 07 19 00-0704 1/2" Thick Fiberglass Pipe Insulation (22 07 19 00-0703)**

22 07 19 00-0705	LF	1/2" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	8.80	2.58
		<i>For Single Layer Of Felt Finish, Add</i>	0.19	
		<i>For Work In Restricted Working Space, Add</i>	2.09	
22 07 19 00-0706	LF	3/4" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	8.99	2.58
		<i>For Single Layer Of Felt Finish, Add</i>	0.21	
		<i>For Work In Restricted Working Space, Add</i>	2.09	
22 07 19 00-0707	LF	1" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	9.56	2.70
		<i>For Single Layer Of Felt Finish, Add</i>	0.23	
		<i>For Work In Restricted Working Space, Add</i>	2.22	
22 07 19 00-0708	LF	1-1/4" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	9.92	2.82
		<i>For Single Layer Of Felt Finish, Add</i>	0.25	
		<i>For Work In Restricted Working Space, Add</i>	2.26	
22 07 19 00-0709	LF	1-1/2" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	10.20	2.82
		<i>For Single Layer Of Felt Finish, Add</i>	0.26	
		<i>For Work In Restricted Working Space, Add</i>	2.30	

**22 Plumbing****22 07 Plumbing Insulation****22 07 19 Plumbing Piping Insulation**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0710 LF 2" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	10.80	2.93
<i>For Single Layer Of Felt Finish, Add</i>	0.28	
<i>For Work In Restricted Working Space, Add</i>	2.43	
22 07 19 00-0711 LF 2-1/2" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	11.34	3.05
<i>For Single Layer Of Felt Finish, Add</i>	0.33	
<i>For Work In Restricted Working Space, Add</i>	2.47	
22 07 19 00-0712 LF 3" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	11.98	3.17
<i>For Single Layer Of Felt Finish, Add</i>	0.36	
<i>For Work In Restricted Working Space, Add</i>	2.56	
22 07 19 00-0713 LF 4" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	13.65	3.40
<i>For Single Layer Of Felt Finish, Add</i>	0.47	
<i>For Work In Restricted Working Space, Add</i>	2.76	
22 07 19 00-0714 LF 6" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	16.13	3.99
<i>For Single Layer Of Felt Finish, Add</i>	0.56	
<i>For Work In Restricted Working Space, Add</i>	3.23	
<b>22 07 19 00-0715 1" Thick Fiberglass Pipe Insulation</b> <small>(22 07 19 00-0703)</small>		
22 07 19 00-0716 LF 1/2" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	11.80	3.52
<i>For Single Layer Of Felt Finish, Add</i>	0.23	
<i>For Work In Restricted Working Space, Add</i>	2.89	
22 07 19 00-0717 LF 3/4" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	12.12	3.52
<i>For Single Layer Of Felt Finish, Add</i>	0.26	
<i>For Work In Restricted Working Space, Add</i>	2.89	
22 07 19 00-0718 LF 1" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	12.30	3.52
<i>For Single Layer Of Felt Finish, Add</i>	0.26	
<i>For Work In Restricted Working Space, Add</i>	2.93	
22 07 19 00-0719 LF 1-1/4" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	12.77	3.63
<i>For Single Layer Of Felt Finish, Add</i>	0.30	
<i>For Work In Restricted Working Space, Add</i>	2.98	
22 07 19 00-0720 LF 1-1/2" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	13.13	3.63
<i>For Single Layer Of Felt Finish, Add</i>	0.32	
<i>For Work In Restricted Working Space, Add</i>	3.02	
22 07 19 00-0721 LF 2" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	13.68	3.76
<i>For Single Layer Of Felt Finish, Add</i>	0.35	
<i>For Work In Restricted Working Space, Add</i>	3.10	
22 07 19 00-0722 LF 2-1/2" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	14.45	3.99
<i>For Single Layer Of Felt Finish, Add</i>	0.39	
<i>For Work In Restricted Working Space, Add</i>	3.23	
22 07 19 00-0723 LF 3" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	15.20	4.11
<i>For Single Layer Of Felt Finish, Add</i>	0.44	
<i>For Work In Restricted Working Space, Add</i>	3.31	
22 07 19 00-0724 LF 4" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	17.25	4.34
<i>For Single Layer Of Felt Finish, Add</i>	0.56	
<i>For Work In Restricted Working Space, Add</i>	3.56	
22 07 19 00-0725 LF 6" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	19.97	5.04
<i>For Single Layer Of Felt Finish, Add</i>	0.69	
<i>For Work In Restricted Working Space, Add</i>	4.02	
22 07 19 00-0726 LF 8" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	24.76	5.63
<i>For Single Layer Of Felt Finish, Add</i>	0.99	
<i>For Work In Restricted Working Space, Add</i>	4.61	
22 07 19 00-0727 LF 10" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	29.12	6.69
<i>For Single Layer Of Felt Finish, Add</i>	1.15	
<i>For Work In Restricted Working Space, Add</i>	5.45	
22 07 19 00-0728 LF 12" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	33.40	7.62
<i>For Single Layer Of Felt Finish, Add</i>	1.31	
<i>For Work In Restricted Working Space, Add</i>	6.28	
22 07 19 00-0729 LF 14" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	36.12	8.33
<i>For Single Layer Of Felt Finish, Add</i>	1.52	
<i>For Work In Restricted Working Space, Add</i>	6.50	
<b>22 07 19 00-0730 1-1/2" Thick Fiberglass Pipe Insulation</b> <small>(22 07 19 00-0703)</small>		
22 07 19 00-0731 LF 1/2" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	14.43	3.62
<i>For Single Layer Of Felt Finish, Add</i>	0.46	
<i>For Work In Restricted Working Space, Add</i>	3.01	
22 07 19 00-0732 LF 3/4" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	14.63	3.62
<i>For Single Layer Of Felt Finish, Add</i>	0.48	
<i>For Work In Restricted Working Space, Add</i>	3.01	
22 07 19 00-0733 LF 1" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	15.46	3.84
<i>For Single Layer Of Felt Finish, Add</i>	0.51	
<i>For Work In Restricted Working Space, Add</i>	3.19	
22 07 19 00-0734 LF 1-1/4" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	16.01	3.92
<i>For Single Layer Of Felt Finish, Add</i>	0.54	
<i>For Work In Restricted Working Space, Add</i>	3.25	
22 07 19 00-0735 LF 1-1/2" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	16.49	3.99
<i>For Single Layer Of Felt Finish, Add</i>	0.57	
<i>For Work In Restricted Working Space, Add</i>	3.31	
22 07 19 00-0736 LF 2" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	17.61	4.20
<i>For Single Layer Of Felt Finish, Add</i>	0.63	
<i>For Work In Restricted Working Space, Add</i>	3.50	
22 07 19 00-0737 LF 2-1/2" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	18.40	4.27
<i>For Single Layer Of Felt Finish, Add</i>	0.69	
<i>For Work In Restricted Working Space, Add</i>	3.56	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0738 LF 3" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	18.99	4.42
<i>For Single Layer Of Felt Finish, Add</i>	0.71	
<i>For Work In Restricted Working Space, Add</i>	3.67	
22 07 19 00-0739 LF 4" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	20.98	4.78
<i>For Single Layer Of Felt Finish, Add</i>	0.81	
<i>For Work In Restricted Working Space, Add</i>	3.97	
22 07 19 00-0740 LF 6" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	24.29	5.59
<i>For Single Layer Of Felt Finish, Add</i>	0.93	
<i>For Work In Restricted Working Space, Add</i>	4.64	
22 07 19 00-0741 LF 8" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	27.37	5.89
<i>For Single Layer Of Felt Finish, Add</i>	1.16	
<i>For Work In Restricted Working Space, Add</i>	4.90	
22 07 19 00-0742 LF 10" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	33.47	7.05
<i>For Single Layer Of Felt Finish, Add</i>	1.46	
<i>For Work In Restricted Working Space, Add</i>	5.86	
22 07 19 00-0743 LF 12" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	37.92	8.22
<i>For Single Layer Of Felt Finish, Add</i>	1.59	
<i>For Work In Restricted Working Space, Add</i>	6.82	
22 07 19 00-0744 LF 14" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	42.50	9.00
<i>For Single Layer Of Felt Finish, Add</i>	1.84	
<i>For Work In Restricted Working Space, Add</i>	7.48	
<b>22 07 19 00-0745 2" Thick Fiberglass Pipe Insulation (22 07 19 00-0703)</b>		
22 07 19 00-0746 LF 1/2" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	17.91	3.99
<i>For Single Layer Of Felt Finish, Add</i>	0.72	
<i>For Work In Restricted Working Space, Add</i>	3.31	
22 07 19 00-0747 LF 3/4" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	18.14	3.99
<i>For Single Layer Of Felt Finish, Add</i>	0.75	
<i>For Work In Restricted Working Space, Add</i>	3.31	
22 07 19 00-0748 LF 1" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	18.79	4.11
<i>For Single Layer Of Felt Finish, Add</i>	0.80	
<i>For Work In Restricted Working Space, Add</i>	3.35	
22 07 19 00-0749 LF 1-1/4" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	19.34	4.11
<i>For Single Layer Of Felt Finish, Add</i>	0.84	
<i>For Work In Restricted Working Space, Add</i>	3.39	
22 07 19 00-0750 LF 1-1/2" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	19.95	4.22
<i>For Single Layer Of Felt Finish, Add</i>	0.89	
<i>For Work In Restricted Working Space, Add</i>	3.44	
22 07 19 00-0751 LF 2" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	20.70	4.34
<i>For Single Layer Of Felt Finish, Add</i>	0.93	
<i>For Work In Restricted Working Space, Add</i>	3.56	
22 07 19 00-0752 LF 2-1/2" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	21.77	4.46
<i>For Single Layer Of Felt Finish, Add</i>	1.00	
<i>For Work In Restricted Working Space, Add</i>	3.68	
22 07 19 00-0753 LF 3" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	22.94	4.69
<i>For Single Layer Of Felt Finish, Add</i>	1.07	
<i>For Work In Restricted Working Space, Add</i>	3.81	
22 07 19 00-0754 LF 4" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	25.11	4.92
<i>For Single Layer Of Felt Finish, Add</i>	1.23	
<i>For Work In Restricted Working Space, Add</i>	4.02	
22 07 19 00-0755 LF 6" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	29.69	5.78
<i>For Single Layer Of Felt Finish, Add</i>	1.43	
<i>For Work In Restricted Working Space, Add</i>	4.82	
22 07 19 00-0756 LF 8" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	33.80	6.11
<i>For Single Layer Of Felt Finish, Add</i>	1.77	
<i>For Work In Restricted Working Space, Add</i>	5.09	
22 07 19 00-0757 LF 10" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	40.45	7.31
<i>For Single Layer Of Felt Finish, Add</i>	2.11	
<i>For Work In Restricted Working Space, Add</i>	6.10	
22 07 19 00-0758 LF 12" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	46.43	8.76
<i>For Single Layer Of Felt Finish, Add</i>	2.32	
<i>For Work In Restricted Working Space, Add</i>	7.30	
22 07 19 00-0759 LF 14" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	58.95	9.55
<i>For Single Layer Of Felt Finish, Add</i>	2.63	
<i>For Work In Restricted Working Space, Add</i>	10.19	
22 07 19 00-0760 LF 16" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	62.41	11.21
<i>For Single Layer Of Felt Finish, Add</i>	2.99	
<i>For Work In Restricted Working Space, Add</i>	10.19	
22 07 19 00-0761 LF 18" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	69.45	11.77
<i>For Single Layer Of Felt Finish, Add</i>	3.55	
<i>For Work In Restricted Working Space, Add</i>	10.69	
22 07 19 00-0762 LF 20" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	78.69	13.44
<i>For Single Layer Of Felt Finish, Add</i>	3.98	
<i>For Work In Restricted Working Space, Add</i>	12.22	
22 07 19 00-0763 LF 24" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	91.28	16.25
<i>For Single Layer Of Felt Finish, Add</i>	4.42	
<i>For Work In Restricted Working Space, Add</i>	14.76	
<b>22 07 19 00-0764 2-1/2" Thick Fiberglass Pipe Insulation (22 07 19 00-0703)</b>		
22 07 19 00-0765 LF 1/2" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	22.30	4.69
<i>For Single Layer Of Felt Finish, Add</i>	1.00	
<i>For Work In Restricted Working Space, Add</i>	3.82	

**22 Plumbing**  
**22 07 Plumbing Insulation**  
**22 07 19 Plumbing Piping Insulation**



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0766 LF 3/4" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	22.63	4.69
For Single Layer Of Felt Finish, Add	1.04	
For Work In Restricted Working Space, Add	3.82	
22 07 19 00-0767 LF 1" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	23.55	4.69
For Single Layer Of Felt Finish, Add	1.12	
For Work In Restricted Working Space, Add	3.88	
22 07 19 00-0768 LF 1-1/4" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	24.24	4.81
For Single Layer Of Felt Finish, Add	1.18	
For Work In Restricted Working Space, Add	3.91	
22 07 19 00-0769 LF 1-1/2" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	24.95	4.81
For Single Layer Of Felt Finish, Add	1.24	
For Work In Restricted Working Space, Add	3.94	
22 07 19 00-0770 LF 2" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	25.98	5.04
For Single Layer Of Felt Finish, Add	1.29	
For Work In Restricted Working Space, Add	4.10	
22 07 19 00-0771 LF 2-1/2" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	27.48	5.16
For Single Layer Of Felt Finish, Add	1.40	
For Work In Restricted Working Space, Add	4.24	
22 07 19 00-0772 LF 3" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	28.82	5.40
For Single Layer Of Felt Finish, Add	1.49	
For Work In Restricted Working Space, Add	4.39	
22 07 19 00-0773 LF 4" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	31.94	5.63
For Single Layer Of Felt Finish, Add	1.73	
For Work In Restricted Working Space, Add	4.63	
22 07 19 00-0774 LF 6" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	36.65	5.98
For Single Layer Of Felt Finish, Add	2.01	
For Work In Restricted Working Space, Add	5.26	
22 07 19 00-0775 LF 8" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	49.28	7.16
For Single Layer Of Felt Finish, Add	3.12	
For Work In Restricted Working Space, Add	5.87	
22 07 19 00-0776 LF 10" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	58.92	8.22
For Single Layer Of Felt Finish, Add	3.82	
For Work In Restricted Working Space, Add	6.76	
22 07 19 00-0777 LF 12" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	66.76	10.21
For Single Layer Of Felt Finish, Add	4.07	
For Work In Restricted Working Space, Add	8.41	
22 07 19 00-0778 LF 14" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	75.58	11.26
For Single Layer Of Felt Finish, Add	4.72	
For Work In Restricted Working Space, Add	9.18	
22 07 19 00-0779 LF 16" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	88.67	14.31
For Single Layer Of Felt Finish, Add	5.21	
For Work In Restricted Working Space, Add	11.73	
22 07 19 00-0780 LF 18" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	95.45	15.01
For Single Layer Of Felt Finish, Add	5.71	
For Work In Restricted Working Space, Add	12.32	
22 07 19 00-0781 LF 20" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	108.30	17.13
For Single Layer Of Felt Finish, Add	6.44	
For Work In Restricted Working Space, Add	14.08	
22 07 19 00-0782 LF 24" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	127.25	20.69
For Single Layer Of Felt Finish, Add	7.41	
For Work In Restricted Working Space, Add	17.01	
<b>22 07 19 00-0783 3" Thick Fiberglass Pipe Insulation (22 07 19 00-0703)</b>		
22 07 19 00-0784 LF 1/2" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	24.58	5.19
For Single Layer Of Felt Finish, Add	1.10	
For Work In Restricted Working Space, Add	4.22	
22 07 19 00-0785 LF 3/4" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	24.94	5.19
For Single Layer Of Felt Finish, Add	1.14	
For Work In Restricted Working Space, Add	4.22	
22 07 19 00-0786 LF 1" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	25.88	5.24
For Single Layer Of Felt Finish, Add	1.22	
For Work In Restricted Working Space, Add	4.27	
22 07 19 00-0787 LF 1-1/4" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	26.62	5.27
For Single Layer Of Felt Finish, Add	1.29	
For Work In Restricted Working Space, Add	4.30	
22 07 19 00-0788 LF 1-1/2" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	27.47	5.33
For Single Layer Of Felt Finish, Add	1.36	
For Work In Restricted Working Space, Add	4.34	
22 07 19 00-0789 LF 2" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	28.53	5.53
For Single Layer Of Felt Finish, Add	1.42	
For Work In Restricted Working Space, Add	4.50	
22 07 19 00-0790 LF 2-1/2" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	30.16	5.71
For Single Layer Of Felt Finish, Add	1.54	
For Work In Restricted Working Space, Add	4.66	
22 07 19 00-0791 LF 3" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	31.66	5.92
For Single Layer Of Felt Finish, Add	1.64	
For Work In Restricted Working Space, Add	4.82	
22 07 19 00-0792 LF 4" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	35.11	6.25
For Single Layer Of Felt Finish, Add	1.90	
For Work In Restricted Working Space, Add	5.09	
22 07 19 00-0793 LF 6" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	40.25	7.10
For Single Layer Of Felt Finish, Add	2.20	
For Work In Restricted Working Space, Add	5.78	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0794 LF 8" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	54.11	7.90
<i>For Single Layer Of Felt Finish, Add</i>	3.43	
<i>For Work In Restricted Working Space, Add</i>	6.45	
22 07 19 00-0795 LF 10" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	64.73	9.12
<i>For Single Layer Of Felt Finish, Add</i>	4.19	
<i>For Work In Restricted Working Space, Add</i>	7.44	
22 07 19 00-0796 LF 12" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	73.34	11.35
<i>For Single Layer Of Felt Finish, Add</i>	4.46	
<i>For Work In Restricted Working Space, Add</i>	9.25	
22 07 19 00-0797 LF 14" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	83.03	12.38
<i>For Single Layer Of Felt Finish, Add</i>	5.18	
<i>For Work In Restricted Working Space, Add</i>	10.10	
22 07 19 00-0798 LF 16" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	97.42	15.83
<i>For Single Layer Of Felt Finish, Add</i>	5.71	
<i>For Work In Restricted Working Space, Add</i>	12.90	
22 07 19 00-0799 LF 18" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	104.86	16.62
<i>For Single Layer Of Felt Finish, Add</i>	6.27	
<i>For Work In Restricted Working Space, Add</i>	13.55	
22 07 19 00-0800 LF 20" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	118.99	19.00
<i>For Single Layer Of Felt Finish, Add</i>	7.07	
<i>For Work In Restricted Working Space, Add</i>	15.49	
22 07 19 00-0801 LF 24" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	139.80	22.94
<i>For Single Layer Of Felt Finish, Add</i>	8.13	
<i>For Work In Restricted Working Space, Add</i>	18.71	
<b>22 07 19 00-0802 3-1/2" Thick Fiberglass Pipe Insulation (22 07 19 00-0703)</b>		
22 07 19 00-0803 LF 1/2" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	26.48	5.63
<i>For Single Layer Of Felt Finish, Add</i>	1.16	
<i>For Work In Restricted Working Space, Add</i>	4.63	
22 07 19 00-0804 LF 3/4" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	26.90	5.63
<i>For Single Layer Of Felt Finish, Add</i>	1.20	
<i>For Work In Restricted Working Space, Add</i>	4.63	
22 07 19 00-0805 LF 1" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	28.27	5.63
<i>For Single Layer Of Felt Finish, Add</i>	1.34	
<i>For Work In Restricted Working Space, Add</i>	4.66	
22 07 19 00-0806 LF 1-1/4" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	29.07	5.75
<i>For Single Layer Of Felt Finish, Add</i>	1.41	
<i>For Work In Restricted Working Space, Add</i>	4.69	
22 07 19 00-0807 LF 1-1/2" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	30.02	5.75
<i>For Single Layer Of Felt Finish, Add</i>	1.49	
<i>For Work In Restricted Working Space, Add</i>	4.75	
22 07 19 00-0808 LF 2" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	31.14	5.98
<i>For Single Layer Of Felt Finish, Add</i>	1.55	
<i>For Work In Restricted Working Space, Add</i>	4.91	
22 07 19 00-0809 LF 2-1/2" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	32.92	6.21
<i>For Single Layer Of Felt Finish, Add</i>	1.68	
<i>For Work In Restricted Working Space, Add</i>	5.08	
22 07 19 00-0810 LF 3" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	34.45	6.45
<i>For Single Layer Of Felt Finish, Add</i>	1.78	
<i>For Work In Restricted Working Space, Add</i>	5.26	
22 07 19 00-0811 LF 4" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	38.37	6.81
<i>For Single Layer Of Felt Finish, Add</i>	2.08	
<i>For Work In Restricted Working Space, Add</i>	5.56	
22 07 19 00-0812 LF 6" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	43.95	7.74
<i>For Single Layer Of Felt Finish, Add</i>	2.41	
<i>For Work In Restricted Working Space, Add</i>	6.31	
22 07 19 00-0813 LF 8" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	59.09	8.56
<i>For Single Layer Of Felt Finish, Add</i>	3.74	
<i>For Work In Restricted Working Space, Add</i>	7.03	
22 07 19 00-0814 LF 10" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	70.70	9.86
<i>For Single Layer Of Felt Finish, Add</i>	4.58	
<i>For Work In Restricted Working Space, Add</i>	8.12	
22 07 19 00-0815 LF 12" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	80.10	12.31
<i>For Single Layer Of Felt Finish, Add</i>	4.88	
<i>For Work In Restricted Working Space, Add</i>	10.09	
22 07 19 00-0816 LF 14" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	90.72	13.49
<i>For Single Layer Of Felt Finish, Add</i>	5.67	
<i>For Work In Restricted Working Space, Add</i>	11.01	
22 07 19 00-0817 LF 16" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	106.43	17.13
<i>For Single Layer Of Felt Finish, Add</i>	6.25	
<i>For Work In Restricted Working Space, Add</i>	14.08	
22 07 19 00-0818 LF 18" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	114.54	18.06
<i>For Single Layer Of Felt Finish, Add</i>	6.85	
<i>For Work In Restricted Working Space, Add</i>	14.78	
22 07 19 00-0819 LF 20" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	130.01	20.64
<i>For Single Layer Of Felt Finish, Add</i>	7.74	
<i>For Work In Restricted Working Space, Add</i>	16.90	
22 07 19 00-0820 LF 24" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	152.71	24.87
<i>For Single Layer Of Felt Finish, Add</i>	8.89	
<i>For Work In Restricted Working Space, Add</i>	20.41	

22 07 19 00-0821 4" Thick Fiberglass Pipe Insulation (22 07 19 00-0703)

**22 Plumbing****22 07 Plumbing Insulation****22 07 19 Plumbing Piping Insulation**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0822 LF 1/2" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	30.05	6.33
For Single Layer Of Felt Finish, Add	1.36	
For Work In Restricted Working Space, Add	5.14	
22 07 19 00-0823 LF 3/4" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	30.51	6.33
For Single Layer Of Felt Finish, Add	1.40	
For Work In Restricted Working Space, Add	5.14	
22 07 19 00-0824 LF 1" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	31.76	6.33
For Single Layer Of Felt Finish, Add	1.50	
For Work In Restricted Working Space, Add	5.23	
22 07 19 00-0825 LF 1-1/4" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	32.77	6.45
For Single Layer Of Felt Finish, Add	1.59	
For Work In Restricted Working Space, Add	5.29	
22 07 19 00-0826 LF 1-1/2" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	34.15	6.69
For Single Layer Of Felt Finish, Add	1.68	
For Work In Restricted Working Space, Add	5.46	
22 07 19 00-0827 LF 2" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	35.40	6.92
For Single Layer Of Felt Finish, Add	1.75	
For Work In Restricted Working Space, Add	5.63	
22 07 19 00-0828 LF 2-1/2" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	37.03	6.92
For Single Layer Of Felt Finish, Add	1.89	
For Work In Restricted Working Space, Add	5.71	
22 07 19 00-0829 LF 3" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	38.91	7.27
For Single Layer Of Felt Finish, Add	2.01	
For Work In Restricted Working Space, Add	5.92	
22 07 19 00-0830 LF 4" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	43.13	7.62
For Single Layer Of Felt Finish, Add	2.34	
For Work In Restricted Working Space, Add	6.25	
22 07 19 00-0831 LF 6" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	49.44	8.68
For Single Layer Of Felt Finish, Add	2.71	
For Work In Restricted Working Space, Add	7.10	
22 07 19 00-0832 LF 8" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	66.48	9.38
For Single Layer Of Felt Finish, Add	4.21	
For Work In Restricted Working Space, Add	7.91	
22 07 19 00-0833 LF 10" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	79.55	11.15
For Single Layer Of Felt Finish, Add	5.15	
For Work In Restricted Working Space, Add	9.14	
22 07 19 00-0834 LF 12" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	90.13	13.84
For Single Layer Of Felt Finish, Add	5.49	
For Work In Restricted Working Space, Add	11.35	
22 07 19 00-0835 LF 14" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	102.08	15.13
For Single Layer Of Felt Finish, Add	6.38	
For Work In Restricted Working Space, Add	12.40	
22 07 19 00-0836 LF 16" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	119.78	19.35
For Single Layer Of Felt Finish, Add	7.03	
For Work In Restricted Working Space, Add	15.85	
22 07 19 00-0837 LF 18" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	128.80	20.29
For Single Layer Of Felt Finish, Add	7.71	
For Work In Restricted Working Space, Add	16.61	
22 07 19 00-0838 LF 20" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	144.35	23.23
For Single Layer Of Felt Finish, Add	8.50	
For Work In Restricted Working Space, Add	19.01	
22 07 19 00-0839 LF 24" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	171.83	28.03
For Single Layer Of Felt Finish, Add	10.00	
For Work In Restricted Working Space, Add	22.97	
22 07 19 00-0840 LF 26" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	195.94	33.07
For Single Layer Of Felt Finish, Add	11.10	
For Work In Restricted Working Space, Add	27.07	
22 07 19 00-0841 LF 28" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	220.46	38.94
For Single Layer Of Felt Finish, Add	11.99	
For Work In Restricted Working Space, Add	31.88	
22 07 19 00-0842 LF 30" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	248.06	45.98
For Single Layer Of Felt Finish, Add	12.83	
For Work In Restricted Working Space, Add	37.76	
22 07 19 00-0843 LF 36" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	298.86	58.45
For Single Layer Of Felt Finish, Add	14.58	
For Work In Restricted Working Space, Add	48.01	
22 07 19 00-0844 LF 42" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	349.66	71.20
For Single Layer Of Felt Finish, Add	16.32	
For Work In Restricted Working Space, Add	58.26	
22 07 19 00-0845 LF 44" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	375.52	78.24
For Single Layer Of Felt Finish, Add	16.95	
For Work In Restricted Working Space, Add	64.22	
22 07 19 00-0846 LF 46" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	398.86	84.22
For Single Layer Of Felt Finish, Add	17.64	
For Work In Restricted Working Space, Add	69.27	
22 07 19 00-0847 <b>Foamglas (Cellular Glass) Pipe Insulation, Rigid, Closed Cell</b> <small>(22 07 19)</small>		
Note: Includes adhesive. Excludes fittings (a location requiring purchase of an insulation fitting or cutting and fitting straight sections, excludes couplings, plugs, etc.). For fittings/valves up to 3" add 2 LF for each fitting/valve or 3 LF for each flanged/grooved joint. For fittings/valves >3" add 3 LF for each fitting/valve or 4 LF for each flanged/grooved joint.		
22 07 19 00-0848 <b>1" Thick Foamglas Pipe Insulation</b> <small>(22 07 19 00-0847)</small>		
22 07 19 00-0849 LF 1/2" Diameter Pipe, 1" Thick Foamglas Insulation.....	20.13	5.73
For Work In Restricted Working Space, Add	5.20	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0850 LF 3/4" Diameter Pipe, 1" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	20.84 5.20	5.73
22 07 19 00-0851 LF 1" Diameter Pipe, 1" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	21.80 5.27	5.81
22 07 19 00-0852 LF 1-1/4" Diameter Pipe, 1" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	22.29 5.35	5.89
22 07 19 00-0853 LF 1-1/2" Diameter Pipe, 1" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	23.02 5.43	5.97
22 07 19 00-0854 LF 2" Diameter Pipe, 1" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	24.43 5.58	6.13
22 07 19 00-0855 LF 2-1/2" Diameter Pipe, 1" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	26.20 5.81	6.39
22 07 19 00-0856 LF 3" Diameter Pipe, 1" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	28.10 5.96	6.55
22 07 19 00-0857 LF 4" Diameter Pipe, 1" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	32.21 6.41	7.05
22 07 19 00-0858 LF 6" Diameter Pipe, 1" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	40.50 7.23	7.95
<b>22 07 19 00-0859 1-1/2" Thick Foamglas Pipe Insulation (22 07 19 00-0847)</b>		
22 07 19 00-0860 LF 1/2" Diameter Pipe, 1-1/2" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	23.53 5.58	6.34
22 07 19 00-0861 LF 3/4" Diameter Pipe, 1-1/2" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	23.98 5.58	6.34
22 07 19 00-0862 LF 1" Diameter Pipe, 1-1/2" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	24.67 5.66	6.42
22 07 19 00-0863 LF 1-1/4" Diameter Pipe, 1-1/2" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	25.25 5.73	6.51
22 07 19 00-0864 LF 1-1/2" Diameter Pipe, 1-1/2" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	25.78 5.81	6.60
22 07 19 00-0865 LF 2" Diameter Pipe, 1-1/2" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	27.80 6.00	6.82
22 07 19 00-0866 LF 2-1/2" Diameter Pipe, 1-1/2" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	31.18 6.23	7.08
22 07 19 00-0867 LF 3" Diameter Pipe, 1-1/2" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	34.18 6.41	7.28
22 07 19 00-0868 LF 4" Diameter Pipe, 1-1/2" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	38.48 6.83	7.75
22 07 19 00-0869 LF 6" Diameter Pipe, 1-1/2" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	45.14 7.73	8.79
22 07 19 00-0870 LF 8" Diameter Pipe, 1-1/2" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	50.47 8.62	9.80
22 07 19 00-0871 LF 10" Diameter Pipe, 1-1/2" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	60.97 9.94	11.30
22 07 19 00-0872 LF 12" Diameter Pipe, 1-1/2" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	72.63 12.35	14.04
22 07 19 00-0873 LF 14" Diameter Pipe, 1-1/2" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	80.55 13.42	14.77
22 07 19 00-0874 LF 16" Diameter Pipe, 1-1/2" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	88.79 14.99	16.49
22 07 19 00-0875 LF 18" Diameter Pipe, 1-1/2" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	101.02 17.74	19.50
22 07 19 00-0876 LF 20" Diameter Pipe, 1-1/2" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	112.76 19.64	21.60
22 07 19 00-0877 LF 24" Diameter Pipe, 1-1/2" Thick Fiberglass Insulation ..... <i>For Work In Restricted Working Space, Add</i>	139.36 21.75	23.93
<b>22 07 19 00-0878 2" Thick Foamglas Pipe Insulation (22 07 19 00-0847)</b>		
22 07 19 00-0879 LF 1/2" Diameter Pipe, 2" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	26.30 5.96	6.55
22 07 19 00-0880 LF 3/4" Diameter Pipe, 2" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	26.99 5.96	6.55
22 07 19 00-0881 LF 1" Diameter Pipe, 2" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	27.92 6.03	6.62
22 07 19 00-0882 LF 1-1/4" Diameter Pipe, 2" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	29.25 6.11	6.73
22 07 19 00-0883 LF 1-1/2" Diameter Pipe, 2" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	30.62 6.18	6.81
22 07 19 00-0884 LF 2" Diameter Pipe, 2" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	33.97 6.41	7.05
22 07 19 00-0885 LF 2-1/2" Diameter Pipe, 2" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	35.58 6.64	7.31
22 07 19 00-0886 LF 3" Diameter Pipe, 2" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	38.05 6.86	7.54
22 07 19 00-0887 LF 4" Diameter Pipe, 2" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	42.59 7.24	7.96
22 07 19 00-0888 LF 6" Diameter Pipe, 2" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	50.72 8.22	9.04
22 07 19 00-0889 LF 8" Diameter Pipe, 2" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	56.49 9.17	10.09
22 07 19 00-0890 LF 10" Diameter Pipe, 2" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	68.45 10.57	11.63

**22 Plumbing**  
**22 07 Plumbing Insulation**  
**22 07 19 Plumbing Piping Insulation**



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0891 LF 12" Diameter Pipe, 2" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	84.81 13.14	14.45
22 07 19 00-0892 LF 14" Diameter Pipe, 2" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	90.75 14.34	15.78
22 07 19 00-0893 LF 16" Diameter Pipe, 2" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	107.98 18.33	20.17
22 07 19 00-0894 LF 18" Diameter Pipe, 2" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	117.35 19.24	21.17
22 07 19 00-0895 LF 20" Diameter Pipe, 2" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	130.18 22.00	24.19
22 07 19 00-0896 LF 24" Diameter Pipe, 2" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	162.78 26.58	29.23
<b>22 07 19 00-0897 2-1/2" Thick Foamglas Pipe Insulation (22 07 19 00-0847)</b>		
22 07 19 00-0898 LF 1/2" Diameter Pipe, 2-1/2" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	31.55 6.46	7.11
22 07 19 00-0899 LF 3/4" Diameter Pipe, 2-1/2" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	32.72 6.46	7.10
22 07 19 00-0900 LF 1" Diameter Pipe, 2-1/2" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	34.27 6.56	7.21
22 07 19 00-0901 LF 1-1/4" Diameter Pipe, 2-1/2" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	35.61 6.61	7.27
22 07 19 00-0902 LF 1-1/2" Diameter Pipe, 2-1/2" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	36.97 6.66	7.33
22 07 19 00-0903 LF 2" Diameter Pipe, 2-1/2" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	39.53 6.94	7.62
22 07 19 00-0904 LF 2-1/2" Diameter Pipe, 2-1/2" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	41.96 7.17	7.89
22 07 19 00-0905 LF 3" Diameter Pipe, 2-1/2" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	45.40 7.43	8.17
22 07 19 00-0906 LF 4" Diameter Pipe, 2-1/2" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	50.64 7.83	8.61
22 07 19 00-0907 LF 6" Diameter Pipe, 2-1/2" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	60.34 8.90	9.80
22 07 19 00-0908 LF 8" Diameter Pipe, 2-1/2" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	67.23 9.93	10.92
22 07 19 00-0909 LF 10" Diameter Pipe, 2-1/2" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	76.77 11.45	12.58
22 07 19 00-0910 LF 12" Diameter Pipe, 2-1/2" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	95.57 14.22	15.65
22 07 19 00-0911 LF 14" Diameter Pipe, 2-1/2" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	99.99 15.53	17.08
22 07 19 00-0912 LF 16" Diameter Pipe, 2-1/2" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	118.63 19.85	21.83
22 07 19 00-0913 LF 18" Diameter Pipe, 2-1/2" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	128.64 20.84	22.91
22 07 19 00-0914 LF 20" Diameter Pipe, 2-1/2" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	147.84 23.82	26.19
22 07 19 00-0915 LF 24" Diameter Pipe, 2-1/2" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	184.65 28.77	31.65
<b>22 07 19 00-0916 3" Thick Foamglas Pipe Insulation (22 07 19 00-0847)</b>		
22 07 19 00-0917 LF 1/2" Diameter Pipe, 3" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	37.67 6.87	7.55
22 07 19 00-0918 LF 3/4" Diameter Pipe, 3" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	38.38 6.87	7.55
22 07 19 00-0919 LF 1" Diameter Pipe, 3" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	39.47 6.98	7.68
22 07 19 00-0920 LF 1-1/4" Diameter Pipe, 3" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	40.35 7.03	7.73
22 07 19 00-0921 LF 1-1/2" Diameter Pipe, 3" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	41.26 7.09	7.80
22 07 19 00-0922 LF 2" Diameter Pipe, 3" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	44.23 7.38	8.11
22 07 19 00-0923 LF 2-1/2" Diameter Pipe, 3" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	47.07 7.63	8.40
22 07 19 00-0924 LF 3" Diameter Pipe, 3" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	53.12 7.90	8.69
22 07 19 00-0925 LF 4" Diameter Pipe, 3" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	60.32 8.33	9.16
22 07 19 00-0926 LF 6" Diameter Pipe, 3" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	66.20 9.47	10.42
22 07 19 00-0927 LF 8" Diameter Pipe, 3" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	74.71 10.56	11.61
22 07 19 00-0928 LF 10" Diameter Pipe, 3" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	88.94 12.17	13.39
22 07 19 00-0929 LF 12" Diameter Pipe, 3" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	103.75 15.13	16.64
22 07 19 00-0930 LF 14" Diameter Pipe, 3" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	111.23 16.52	18.17
22 07 19 00-0931 LF 16" Diameter Pipe, 3" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	133.41 21.11	23.23





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0932 LF 18" Diameter Pipe, 3" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	142.63 22.17	24.38
22 07 19 00-0933 LF 20" Diameter Pipe, 3" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	166.85 25.34	27.87
22 07 19 00-0934 LF 24" Diameter Pipe, 3" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	203.83 30.61	33.68
<b>22 07 19 00-0935 3-1/2" Thick Foamglas Pipe Insulation</b> <small>(22 07 19 00-0847)</small>		
22 07 19 00-0936 LF 1/2" Diameter Pipe, 3-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	45.41 8.33	9.16
22 07 19 00-0937 LF 3/4" Diameter Pipe, 3-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	46.30 8.33	9.16
22 07 19 00-0938 LF 1" Diameter Pipe, 3-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	47.37 8.39	9.22
22 07 19 00-0939 LF 1-1/4" Diameter Pipe, 3-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	48.44 8.44	9.28
22 07 19 00-0940 LF 1-1/2" Diameter Pipe, 3-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	49.69 8.54	9.39
22 07 19 00-0941 LF 2" Diameter Pipe, 3-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	54.42 8.84	9.73
22 07 19 00-0942 LF 2-1/2" Diameter Pipe, 3-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	59.22 9.15	10.07
22 07 19 00-0943 LF 3" Diameter Pipe, 3-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	62.46 9.47	10.42
22 07 19 00-0944 LF 4" Diameter Pipe, 3-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	66.84 10.01	11.01
22 07 19 00-0945 LF 6" Diameter Pipe, 3-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	76.88 11.36	12.50
22 07 19 00-0946 LF 8" Diameter Pipe, 3-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	87.31 12.66	13.92
22 07 19 00-0947 LF 10" Diameter Pipe, 3-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	104.20 14.61	16.07
22 07 19 00-0948 LF 12" Diameter Pipe, 3-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	123.51 18.16	19.97
22 07 19 00-0949 LF 14" Diameter Pipe, 3-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	129.21 19.82	21.81
22 07 19 00-0950 LF 16" Diameter Pipe, 3-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	155.54 25.34	27.87
22 07 19 00-0951 LF 18" Diameter Pipe, 3-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	170.44 26.60	29.27
22 07 19 00-0952 LF 20" Diameter Pipe, 3-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	194.10 30.43	33.47
22 07 19 00-0953 LF 24" Diameter Pipe, 3-1/2" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	238.10 36.74	40.41
<b>22 07 19 00-0954 4" Thick Foamglas Pipe Insulation</b> <small>(22 07 19 00-0847)</small>		
22 07 19 00-0955 LF 1/2" Diameter Pipe, 4" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	55.32 10.23	11.26
22 07 19 00-0956 LF 3/4" Diameter Pipe, 4" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	56.47 10.23	11.26
22 07 19 00-0957 LF 1" Diameter Pipe, 4" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	58.20 10.41	11.45
22 07 19 00-0958 LF 1-1/4" Diameter Pipe, 4" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	59.76 10.53	11.59
22 07 19 00-0959 LF 1-1/2" Diameter Pipe, 4" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	62.01 10.86	11.95
22 07 19 00-0960 LF 2" Diameter Pipe, 4" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	66.78 11.20	12.31
22 07 19 00-0961 LF 2-1/2" Diameter Pipe, 4" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	70.98 11.37	12.51
22 07 19 00-0962 LF 3" Diameter Pipe, 4" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	74.46 11.79	12.98
22 07 19 00-0963 LF 4" Diameter Pipe, 4" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	81.49 13.15	14.46
22 07 19 00-0964 LF 6" Diameter Pipe, 4" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	93.82 14.12	15.52
22 07 19 00-0965 LF 8" Diameter Pipe, 4" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	105.67 15.31	16.84
22 07 19 00-0966 LF 10" Diameter Pipe, 4" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	121.29 18.19	20.02
22 07 19 00-0967 LF 12" Diameter Pipe, 4" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	142.24 22.59	24.86
22 07 19 00-0968 LF 14" Diameter Pipe, 4" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	154.71 24.68	27.14
22 07 19 00-0969 LF 16" Diameter Pipe, 4" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	184.54 31.55	34.70
22 07 19 00-0970 LF 18" Diameter Pipe, 4" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	204.50 33.07	36.38
22 07 19 00-0971 LF 20" Diameter Pipe, 4" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	229.55 37.85	41.63
22 07 19 00-0972 LF 24" Diameter Pipe, 4" Thick Foamglas Insulation <i>For Work In Restricted Working Space, Add</i>	290.24 45.72	50.30



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0973			<b>Flexible Polyethylene Tubing Closed Cell Foam Insulation</b> <small>(22 07 19)</small> Note: UV resistant standard temperature (-90 Degree F To +212 Degree F). For elbow fittings/valves add 1 LF for each fitting/valve, for tee fittings add 2 LF for each fitting.		
22 07 19 00-0974			<b>3/8" Wall Flexible Polyethylene Tubing Foam Insulation</b> <small>(22 07 19 00-0973)</small>		
22 07 19 00-0975	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	7.52	3.50	
		<i>For Work In Restricted Working Space, Add</i>	2.11		
22 07 19 00-0976	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	7.53	3.50	
		<i>For Work In Restricted Working Space, Add</i>	2.11		
22 07 19 00-0977	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	7.84	3.63	
		<i>For Work In Restricted Working Space, Add</i>	2.18		
22 07 19 00-0978	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	8.16	3.76	
		<i>For Work In Restricted Working Space, Add</i>	2.26		
22 07 19 00-0979	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	8.46	3.83	
		<i>For Work In Restricted Working Space, Add</i>	2.29		
22 07 19 00-0980	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	8.82	3.89	
		<i>For Work In Restricted Working Space, Add</i>	2.33		
22 07 19 00-0981	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	8.97	3.89	
		<i>For Work In Restricted Working Space, Add</i>	2.34		
22 07 19 00-0982	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	9.38	3.89	
		<i>For Work In Restricted Working Space, Add</i>	2.35		
22 07 19 00-0983	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	10.19	4.00	
		<i>For Work In Restricted Working Space, Add</i>	2.42		
22 07 19 00-0984	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	10.53	4.07	
		<i>For Work In Restricted Working Space, Add</i>	2.46		
22 07 19 00-0985			<b>1/2" Wall Flexible Polyethylene Tubing Foam Insulation</b> <small>(22 07 19 00-0973)</small>		
22 07 19 00-0986	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	8.35	3.83	
		<i>For Work In Restricted Working Space, Add</i>	2.29		
22 07 19 00-0987	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	8.45	3.83	
		<i>For Work In Restricted Working Space, Add</i>	2.31		
22 07 19 00-0988	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	8.59	3.89	
		<i>For Work In Restricted Working Space, Add</i>	2.33		
22 07 19 00-0989	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	8.77	3.91	
		<i>For Work In Restricted Working Space, Add</i>	2.35		
22 07 19 00-0990	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	9.22	4.00	
		<i>For Work In Restricted Working Space, Add</i>	2.40		
22 07 19 00-0991	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	9.59	4.07	
		<i>For Work In Restricted Working Space, Add</i>	2.44		
22 07 19 00-0992	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	10.04	4.13	
		<i>For Work In Restricted Working Space, Add</i>	2.48		
22 07 19 00-0993	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	10.57	4.19	
		<i>For Work In Restricted Working Space, Add</i>	2.51		
22 07 19 00-0994	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	11.49	4.32	
		<i>For Work In Restricted Working Space, Add</i>	2.59		
22 07 19 00-0995	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	12.46	4.38	
		<i>For Work In Restricted Working Space, Add</i>	2.63		
22 07 19 00-0996	LF	3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	13.37	4.43	
		<i>For Work In Restricted Working Space, Add</i>	2.66		
22 07 19 00-0997	LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	13.92	4.49	
		<i>For Work In Restricted Working Space, Add</i>	2.70		
22 07 19 00-0998			<b>3/4" Wall Flexible Polyethylene Tubing Foam Insulation</b> <small>(22 07 19 00-0973)</small>		
22 07 19 00-0999	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	9.32	4.13	
		<i>For Work In Restricted Working Space, Add</i>	2.48		
22 07 19 00-1000	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	9.44	4.19	
		<i>For Work In Restricted Working Space, Add</i>	2.51		
22 07 19 00-1001	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	10.06	4.32	
		<i>For Work In Restricted Working Space, Add</i>	2.59		
22 07 19 00-1002	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	10.34	4.38	
		<i>For Work In Restricted Working Space, Add</i>	2.63		
22 07 19 00-1003	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	11.12	4.49	
		<i>For Work In Restricted Working Space, Add</i>	2.70		
22 07 19 00-1004	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	11.91	4.56	
		<i>For Work In Restricted Working Space, Add</i>	2.73		
22 07 19 00-1005	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	12.27	4.59	
		<i>For Work In Restricted Working Space, Add</i>	2.75		
22 07 19 00-1006	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	13.74	4.62	
		<i>For Work In Restricted Working Space, Add</i>	2.77		
22 07 19 00-1007	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	15.76	4.74	
		<i>For Work In Restricted Working Space, Add</i>	2.84		
22 07 19 00-1008	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	15.88	4.81	
		<i>For Work In Restricted Working Space, Add</i>	2.88		
22 07 19 00-1009	LF	3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	17.34	4.86	
		<i>For Work In Restricted Working Space, Add</i>	2.92		
22 07 19 00-1010	LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	17.95	4.92	
		<i>For Work In Restricted Working Space, Add</i>	2.96		
22 07 19 00-1011			<b>1" Wall Flexible Polyethylene Tubing Foam Insulation</b> <small>(22 07 19 00-0973)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-1012 LF 1/4" I.D. (3/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	10.62	4.56
<i>For Work In Restricted Working Space, Add</i>	2.73	
22 07 19 00-1013 LF 3/8" I.D. (1/2" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	10.90	4.62
<i>For Work In Restricted Working Space, Add</i>	2.77	
22 07 19 00-1014 LF 1/2" I.D. (5/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	11.79	4.74
<i>For Work In Restricted Working Space, Add</i>	2.84	
22 07 19 00-1015 LF 3/4" I.D. (7/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	12.06	4.81
<i>For Work In Restricted Working Space, Add</i>	2.88	
22 07 19 00-1016 LF 1" I.D. (1-1/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	13.41	4.92
<i>For Work In Restricted Working Space, Add</i>	2.96	
22 07 19 00-1017 LF 1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation .....	14.07	5.05
<i>For Work In Restricted Working Space, Add</i>	3.03	
22 07 19 00-1018 LF 1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation .....	14.34	5.11
<i>For Work In Restricted Working Space, Add</i>	3.07	
22 07 19 00-1019 LF 2" I.D. (2-1/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	15.64	5.17
<i>For Work In Restricted Working Space, Add</i>	3.11	
22 07 19 00-1020 LF 2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation .....	16.56	5.31
<i>For Work In Restricted Working Space, Add</i>	3.18	
22 07 19 00-1021 LF 3" I.D. (3-1/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation.....	17.38	5.36
<i>For Work In Restricted Working Space, Add</i>	3.22	
<b>22 07 19 00-1022 Flexible Elastomeric Tubing Closed Cell Foam Insulation</b> <small>(22 07 19)</small>		
<small>Note: For elbow fittings/valves add 1 LF for each fitting/valve, for tee fittings add 2 LF for each fitting.</small>		
<b>22 07 19 00-1023 3/8" Wall Flexible Elastomeric Tubing Foam Insulation</b> <small>(22 07 19 00-1022)</small>		
22 07 19 00-1024 LF 1/4" I.D. (3/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	7.79	3.50
<i>For Work In Restricted Working Space, Add</i>	2.11	
22 07 19 00-1025 LF 3/8" I.D. (1/2" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	7.92	3.50
<i>For Work In Restricted Working Space, Add</i>	2.11	
22 07 19 00-1026 LF 1/2" I.D. (5/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	8.23	3.63
<i>For Work In Restricted Working Space, Add</i>	2.18	
22 07 19 00-1027 LF 5/8" I.D. (3/4" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	8.42	3.69
<i>For Work In Restricted Working Space, Add</i>	2.22	
22 07 19 00-1028 LF 3/4" I.D. (7/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	8.62	3.76
<i>For Work In Restricted Working Space, Add</i>	2.26	
22 07 19 00-1029 LF 1" I.D. (1-1/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....	8.88	3.83
<i>For Work In Restricted Working Space, Add</i>	2.29	
22 07 19 00-1030 LF 1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....	9.12	3.89
<i>For Work In Restricted Working Space, Add</i>	2.33	
22 07 19 00-1031 LF 1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....	9.36	3.89
<i>For Work In Restricted Working Space, Add</i>	2.34	
22 07 19 00-1032 LF 1-1/2" IPS (1-7/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....	9.56	3.89
<i>For Work In Restricted Working Space, Add</i>	2.35	
22 07 19 00-1033 LF 2" I.D. (2-1/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....	9.78	3.94
<i>For Work In Restricted Working Space, Add</i>	2.36	
22 07 19 00-1034 LF 2" IPS (2-3/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....	10.09	4.00
<i>For Work In Restricted Working Space, Add</i>	2.40	
22 07 19 00-1035 LF 2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....	10.36	4.00
<i>For Work In Restricted Working Space, Add</i>	2.42	
22 07 19 00-1036 LF 2-1/2" IPS (2-7/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....	10.54	4.07
<i>For Work In Restricted Working Space, Add</i>	2.44	
22 07 19 00-1037 LF 3" I.D. (3-1/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....	10.82	4.07
<i>For Work In Restricted Working Space, Add</i>	2.46	
22 07 19 00-1038 LF 3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....	11.41	4.13
<i>For Work In Restricted Working Space, Add</i>	2.48	
22 07 19 00-1039 LF 4" I.D. (4-1/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....	12.10	4.19
<i>For Work In Restricted Working Space, Add</i>	2.51	
22 07 19 00-1040 LF 4" IPS (4-1/2" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....	12.86	4.21
<i>For Work In Restricted Working Space, Add</i>	2.53	
<b>22 07 19 00-1041 1/2" Wall Flexible Elastomeric Tubing Foam Insulation</b> <small>(22 07 19 00-1022)</small>		
22 07 19 00-1042 LF 1/4" I.D. (3/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	8.79	3.83
<i>For Work In Restricted Working Space, Add</i>	2.29	
22 07 19 00-1043 LF 3/8" I.D. (1/2" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	8.91	3.83
<i>For Work In Restricted Working Space, Add</i>	2.31	
22 07 19 00-1044 LF 1/2" I.D. (5/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	9.05	3.89
<i>For Work In Restricted Working Space, Add</i>	2.33	
22 07 19 00-1045 LF 5/8" I.D. (3/4" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	9.24	3.89
<i>For Work In Restricted Working Space, Add</i>	2.34	
22 07 19 00-1046 LF 3/4" I.D. (7/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation.....	9.39	3.89
<i>For Work In Restricted Working Space, Add</i>	2.35	
22 07 19 00-1047 LF 1" I.D. (1-1/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....	9.77	4.00
<i>For Work In Restricted Working Space, Add</i>	2.40	
22 07 19 00-1048 LF 1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....	10.12	4.07
<i>For Work In Restricted Working Space, Add</i>	2.44	
22 07 19 00-1049 LF 1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....	10.45	4.13
<i>For Work In Restricted Working Space, Add</i>	2.48	
22 07 19 00-1050 LF 1-1/2" IPS (1-7/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....	10.77	4.17
<i>For Work In Restricted Working Space, Add</i>	2.50	
22 07 19 00-1051 LF 2" I.D. (2-1/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation .....	11.03	4.19
<i>For Work In Restricted Working Space, Add</i>	2.51	



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-1052	LF	2" IPS (2-3/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation ..... <i>For Work In Restricted Working Space, Add</i>	12.02 2.55	4.26
22 07 19 00-1053	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation ..... <i>For Work In Restricted Working Space, Add</i>	12.60 2.59	4.32
22 07 19 00-1054	LF	2-1/2" IPS (2-7/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation ..... <i>For Work In Restricted Working Space, Add</i>	13.05 2.61	4.35
22 07 19 00-1055	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation ..... <i>For Work In Restricted Working Space, Add</i>	13.43 2.63	4.38
22 07 19 00-1056	LF	3" IPS (3-1/2" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation ..... <i>For Work In Restricted Working Space, Add</i>	13.71 2.64	4.41
22 07 19 00-1057	LF	3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation ..... <i>For Work In Restricted Working Space, Add</i>	13.95 2.66	4.43
22 07 19 00-1058	LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation ..... <i>For Work In Restricted Working Space, Add</i>	15.08 2.70	4.49
22 07 19 00-1059	LF	4" IPS (4-1/2" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation ..... <i>For Work In Restricted Working Space, Add</i>	15.34 2.72	4.53
22 07 19 00-1060	LF	5" I.D. (5-9/16" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation ..... <i>For Work In Restricted Working Space, Add</i>	16.44 2.73	4.56
22 07 19 00-1061	LF	6" IPS (6-5/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation ..... <i>For Work In Restricted Working Space, Add</i>	17.75 2.81	4.68
22 07 19 00-1062	LF	8" IPS (8-5/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation ..... <i>For Work In Restricted Working Space, Add</i>	19.21 2.88	4.81
<b>22 07 19 00-1063</b>		<b>3/4" Wall Flexible Elastomeric Tubing Foam Insulation</b> <small>(22 07 19 00-1022)</small>		
22 07 19 00-1064	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation ..... <i>For Work In Restricted Working Space, Add</i>	10.11 2.48	4.13
22 07 19 00-1065	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation ..... <i>For Work In Restricted Working Space, Add</i>	10.39 2.51	4.19
22 07 19 00-1066	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation ..... <i>For Work In Restricted Working Space, Add</i>	10.81 2.59	4.32
22 07 19 00-1067	LF	5/8" I.D. (3/4" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation ..... <i>For Work In Restricted Working Space, Add</i>	11.06 2.61	4.35
22 07 19 00-1068	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation ..... <i>For Work In Restricted Working Space, Add</i>	11.18 2.63	4.38
22 07 19 00-1069	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation ..... <i>For Work In Restricted Working Space, Add</i>	11.80 2.70	4.49
22 07 19 00-1070	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation ..... <i>For Work In Restricted Working Space, Add</i>	12.28 2.73	4.56
22 07 19 00-1071	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation ..... <i>For Work In Restricted Working Space, Add</i>	12.78 2.77	4.62
22 07 19 00-1072	LF	1-1/2" IPS (1-7/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation ..... <i>For Work In Restricted Working Space, Add</i>	12.91 2.77	4.62
22 07 19 00-1073	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation ..... <i>For Work In Restricted Working Space, Add</i>	13.10 2.79	4.66
22 07 19 00-1074	LF	2" IPS (2-3/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation ..... <i>For Work In Restricted Working Space, Add</i>	13.68 2.81	4.68
22 07 19 00-1075	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation ..... <i>For Work In Restricted Working Space, Add</i>	13.99 2.84	4.74
22 07 19 00-1076	LF	2-1/2" IPS (2-7/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation ..... <i>For Work In Restricted Working Space, Add</i>	14.65 2.86	4.77
22 07 19 00-1077	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation ..... <i>For Work In Restricted Working Space, Add</i>	15.11 2.88	4.81
22 07 19 00-1078	LF	3" IPS (3-1/2" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation ..... <i>For Work In Restricted Working Space, Add</i>	15.81 2.90	4.84
22 07 19 00-1079	LF	3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation ..... <i>For Work In Restricted Working Space, Add</i>	16.08 2.92	4.86
22 07 19 00-1080	LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation ..... <i>For Work In Restricted Working Space, Add</i>	17.13 2.96	4.92
22 07 19 00-1081	LF	4" IPS (4-1/2" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation ..... <i>For Work In Restricted Working Space, Add</i>	17.96 2.97	4.96
22 07 19 00-1082	LF	5" IPS (5-9/16" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation ..... <i>For Work In Restricted Working Space, Add</i>	19.36 2.99	4.98
22 07 19 00-1083	LF	6" IPS (6-5/8" O.D.) Diameter Pipe, 3/4" Flexible Elastomeric Tubing Closed Cell Foam Insulation ..... <i>For Work In Restricted Working Space, Add</i>	20.85 3.03	5.05
22 07 19 00-1084	LF	8" IPS (8-5/8" O.D.) Diameter Pipe, 3/4" Flexible Elastomeric Tubing Closed Cell Foam Insulation ..... <i>For Work In Restricted Working Space, Add</i>	22.65 3.11	5.17
<b>22 07 19 00-1085</b>		<b>1" Wall Flexible Elastomeric Tubing Foam Insulation</b> <small>(22 07 19 00-1022)</small>		
22 07 19 00-1086	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation ..... <i>For Work In Restricted Working Space, Add</i>	11.83 2.73	4.55
22 07 19 00-1087	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation ..... <i>For Work In Restricted Working Space, Add</i>	12.18 2.77	4.62
22 07 19 00-1088	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation ..... <i>For Work In Restricted Working Space, Add</i>	12.62 2.84	4.74
22 07 19 00-1089	LF	5/8" I.D. (3/4" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation ..... <i>For Work In Restricted Working Space, Add</i>	12.99 2.86	4.77
22 07 19 00-1090	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation ..... <i>For Work In Restricted Working Space, Add</i>	13.32 2.88	4.81
22 07 19 00-1091	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation ..... <i>For Work In Restricted Working Space, Add</i>	13.90 2.96	4.92
22 07 19 00-1092	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation ..... <i>For Work In Restricted Working Space, Add</i>	14.78 3.03	5.05



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-1093 LF 1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation ..... <i>For Work In Restricted Working Space, Add</i>	15.24 3.07	5.05
22 07 19 00-1094 LF 1-1/2" IPS (1-7/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation ..... <i>For Work In Restricted Working Space, Add</i>	15.84 3.09	5.11
22 07 19 00-1095 LF 2" I.D. (2-1/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation ..... <i>For Work In Restricted Working Space, Add</i>	16.06 3.11	5.17
22 07 19 00-1096 LF 2" IPS (2-3/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation ..... <i>For Work In Restricted Working Space, Add</i>	17.34 3.14	5.25
22 07 19 00-1097 LF 2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation ..... <i>For Work In Restricted Working Space, Add</i>	18.36 3.18	5.31
22 07 19 00-1098 LF 2-1/2" IPS (2-7/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation ..... <i>For Work In Restricted Working Space, Add</i>	19.63 3.20	5.34
22 07 19 00-1099 LF 3" I.D. (3-1/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation ..... <i>For Work In Restricted Working Space, Add</i>	20.01 3.22	5.36
22 07 19 00-1100 LF 3" IPS (3-1/2" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation ..... <i>For Work In Restricted Working Space, Add</i>	20.68 3.23	5.40
22 07 19 00-1101 LF 3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation ..... <i>For Work In Restricted Working Space, Add</i>	21.00 3.25	5.42
22 07 19 00-1102 LF 4" I.D. (4-1/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation ..... <i>For Work In Restricted Working Space, Add</i>	23.45 3.32	5.55
22 07 19 00-1103 LF 4" IPS (4-1/2" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation ..... <i>For Work In Restricted Working Space, Add</i>	25.11 3.37	5.61
22 07 19 00-1104 LF 5" IPS (5-9/16" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation ..... <i>For Work In Restricted Working Space, Add</i>	27.54 3.40	5.67
22 07 19 00-1105 LF 6" IPS (6-5/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation ..... <i>For Work In Restricted Working Space, Add</i>	30.13 3.47	5.80
<b>22 07 19 00-1106 1-1/2" Wall Flexible Elastomeric Tubing Foam Insulation</b> <small>(22 07 19 00-1022)</small>		
22 07 19 00-1107 LF 3/8" I.D. (1/2" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation ..... <i>For Work In Restricted Working Space, Add</i>	17.92 3.06	5.10
22 07 19 00-1108 LF 1/2" I.D. (5/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation ..... <i>For Work In Restricted Working Space, Add</i>	18.37 3.13	5.21
22 07 19 00-1109 LF 5/8" I.D. (3/4" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation ..... <i>For Work In Restricted Working Space, Add</i>	18.75 3.15	5.25
22 07 19 00-1110 LF 3/4" I.D. (7/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation ..... <i>For Work In Restricted Working Space, Add</i>	19.12 3.16	5.29
22 07 19 00-1111 LF 1" I.D. (1-1/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation ..... <i>For Work In Restricted Working Space, Add</i>	19.66 3.24	5.41
22 07 19 00-1112 LF 1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation ..... <i>For Work In Restricted Working Space, Add</i>	20.54 3.36	5.61
22 07 19 00-1113 LF 1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation ..... <i>For Work In Restricted Working Space, Add</i>	21.76 3.39	5.53
22 07 19 00-1114 LF 1-1/2" IPS (1-7/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation ..... <i>For Work In Restricted Working Space, Add</i>	22.80 3.43	5.66
22 07 19 00-1115 LF 2" I.D. (2-1/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation ..... <i>For Work In Restricted Working Space, Add</i>	23.46 3.47	5.80
22 07 19 00-1116 LF 2" IPS (2-3/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation ..... <i>For Work In Restricted Working Space, Add</i>	25.47 3.51	5.87
22 07 19 00-1117 LF 2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation ..... <i>For Work In Restricted Working Space, Add</i>	27.36 3.55	5.94
22 07 19 00-1118 LF 2-1/2" IPS (2-7/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation ..... <i>For Work In Restricted Working Space, Add</i>	28.26 3.57	5.96
22 07 19 00-1119 LF 3" I.D. (3-1/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation ..... <i>For Work In Restricted Working Space, Add</i>	29.15 3.59	5.97
22 07 19 00-1120 LF 3" IPS (3-1/2" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation ..... <i>For Work In Restricted Working Space, Add</i>	30.20 3.60	6.00
22 07 19 00-1121 LF 3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation ..... <i>For Work In Restricted Working Space, Add</i>	30.85 3.62	6.03
22 07 19 00-1122 LF 4" I.D. (4-1/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation ..... <i>For Work In Restricted Working Space, Add</i>	34.42 3.74	6.25
22 07 19 00-1123 LF 4" IPS (4-1/2" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation ..... <i>For Work In Restricted Working Space, Add</i>	36.34 3.80	6.34
22 07 19 00-1124 LF 5" IPS (5-9/16" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation ..... <i>For Work In Restricted Working Space, Add</i>	40.95 3.86	6.44
22 07 19 00-1125 LF 6" IPS (6-5/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation ..... <i>For Work In Restricted Working Space, Add</i>	45.56 3.98	6.63
<b>22 07 19 00-1126 2" Wall Flexible Elastomeric Tubing Foam Insulation</b> <small>(22 07 19 00-1022)</small>		
22 07 19 00-1127 LF 3/8" I.D. (1/2" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation ..... <i>For Work In Restricted Working Space, Add</i>	25.79 3.38	5.63
22 07 19 00-1128 LF 1/2" I.D. (5/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation ..... <i>For Work In Restricted Working Space, Add</i>	26.81 3.45	5.71
22 07 19 00-1129 LF 5/8" I.D. (3/4" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation ..... <i>For Work In Restricted Working Space, Add</i>	28.52 3.46	5.76
22 07 19 00-1130 LF 3/4" I.D. (7/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation ..... <i>For Work In Restricted Working Space, Add</i>	29.11 3.47	5.81
22 07 19 00-1131 LF 1" I.D. (1-1/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation ..... <i>For Work In Restricted Working Space, Add</i>	30.57 3.55	5.92
22 07 19 00-1132 LF 1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation ..... <i>For Work In Restricted Working Space, Add</i>	32.38 3.72	6.20
22 07 19 00-1133 LF 1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation ..... <i>For Work In Restricted Working Space, Add</i>	33.45 3.74	6.05

**22 Plumbing**  
**22 07 Plumbing Insulation**  
**22 07 19 Plumbing Piping Insulation**



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-1134	LF	1-1/2" IPS (1-7/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	35.33 3.82	6.26
22 07 19 00-1135	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	37.14 3.89	6.47
22 07 19 00-1136	LF	2" IPS (2-3/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	38.35 3.92	6.55
22 07 19 00-1137	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	40.84 3.96	6.63
22 07 19 00-1138	LF	2-1/2" IPS (2-7/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	41.14 3.98	6.65
22 07 19 00-1139	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	43.46 4.01	6.66
22 07 19 00-1140	LF	3" IPS (3-1/2" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	45.06 4.02	6.69
22 07 19 00-1141	LF	3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	46.78 4.03	6.73
22 07 19 00-1142	LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	52.50 4.21	7.04
22 07 19 00-1143	LF	4" IPS (4-1/2" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	55.83 4.30	7.18
22 07 19 00-1144	LF	5" IPS (5-9/16" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	56.83 4.39	7.32
22 07 19 00-1145	LF	6" IPS (6-5/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	63.73 4.56	7.61
22 07 19 00-1146		<b>Flexible Polyolefin Tubing Closed Cell Foam Insulation</b> (22 07 19) Note: UV stabilized, work temperature (-110 degree F to +210 degree F) 0 water vapor transmission. For elbow fittings/valves add 1 LF for each fitting/valve, for tee fittings add 2 LF for each fitting.		
22 07 19 00-1147		<b>3/8" Wall Flexible Polyolefin Tubing Foam Insulation</b> (22 07 19 00-1146)		
22 07 19 00-1148	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	7.54 2.11	3.50
22 07 19 00-1149	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	7.62 2.11	3.50
22 07 19 00-1150	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	7.89 2.18	3.63
22 07 19 00-1151	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	8.23 2.26	3.76
22 07 19 00-1152	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	8.44 2.29	3.83
22 07 19 00-1153	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	8.80 2.33	3.89
22 07 19 00-1154	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	9.07 2.34	3.89
22 07 19 00-1155	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	9.26 2.35	4.00
22 07 19 00-1156	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	10.14 2.42	4.00
22 07 19 00-1157	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	10.91 2.46	4.07
22 07 19 00-1158	LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	12.87 2.51	4.19
22 07 19 00-1159		<b>1/2" Wall Flexible Polyolefin Tubing Foam Insulation</b> (22 07 19 00-1146)		
22 07 19 00-1160	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	8.41 2.29	3.83
22 07 19 00-1161	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	8.50 2.31	3.83
22 07 19 00-1162	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	8.66 2.33	3.89
22 07 19 00-1163	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	8.88 2.35	3.89
22 07 19 00-1164	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	9.16 2.40	4.00
22 07 19 00-1165	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	9.55 2.44	4.07
22 07 19 00-1166	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	9.99 2.48	4.13
22 07 19 00-1167	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	10.41 2.51	4.19
22 07 19 00-1168	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	11.34 2.59	4.32
22 07 19 00-1169	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	12.16 2.63	4.38
22 07 19 00-1170	LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	13.72 2.70	4.49
22 07 19 00-1171		<b>3/4" Wall Flexible Polyolefin Tubing Foam Insulation</b> (22 07 19 00-1146)		
22 07 19 00-1172	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	9.43 2.48	4.13



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-1173 LF 3/8" I.D. (1/2" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	9.74	4.19
<i>For Work In Restricted Working Space, Add</i>	2.51	
22 07 19 00-1174 LF 1/2" I.D. (5/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	10.12	4.32
<i>For Work In Restricted Working Space, Add</i>	2.59	
22 07 19 00-1175 LF 3/4" I.D. (7/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	10.68	4.38
<i>For Work In Restricted Working Space, Add</i>	2.63	
22 07 19 00-1176 LF 1" I.D. (1-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	11.23	4.49
<i>For Work In Restricted Working Space, Add</i>	2.70	
22 07 19 00-1177 LF 1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	12.12	4.56
<i>For Work In Restricted Working Space, Add</i>	2.73	
22 07 19 00-1178 LF 1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	12.71	4.56
<i>For Work In Restricted Working Space, Add</i>	2.75	
22 07 19 00-1179 LF 2" I.D. (2-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	13.38	4.62
<i>For Work In Restricted Working Space, Add</i>	2.77	
22 07 19 00-1180 LF 2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	14.68	4.74
<i>For Work In Restricted Working Space, Add</i>	2.84	
22 07 19 00-1181 LF 3" I.D. (3-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	15.86	4.81
<i>For Work In Restricted Working Space, Add</i>	2.88	
22 07 19 00-1182 LF 4" I.D. (4-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	18.12	4.92
<i>For Work In Restricted Working Space, Add</i>	2.96	

**22 07 19 00-1183 1" Wall Flexible Polyolefin Tubing Foam Insulation** (22 07 19 00-1148)

22 07 19 00-1184 LF 1/4" I.D. (3/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	11.16	4.56
<i>For Work In Restricted Working Space, Add</i>	2.73	
22 07 19 00-1185 LF 3/8" I.D. (1/2" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	11.33	4.62
<i>For Work In Restricted Working Space, Add</i>	2.77	
22 07 19 00-1186 LF 1/2" I.D. (5/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	11.71	4.74
<i>For Work In Restricted Working Space, Add</i>	2.84	
22 07 19 00-1187 LF 3/4" I.D. (7/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	12.52	4.81
<i>For Work In Restricted Working Space, Add</i>	2.88	
22 07 19 00-1188 LF 1" I.D. (1-1/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	13.22	4.92
<i>For Work In Restricted Working Space, Add</i>	2.96	
22 07 19 00-1189 LF 1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	13.92	5.05
<i>For Work In Restricted Working Space, Add</i>	3.03	
22 07 19 00-1190 LF 1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	14.59	5.05
<i>For Work In Restricted Working Space, Add</i>	3.07	
22 07 19 00-1191 LF 2" I.D. (2-1/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	16.08	5.17
<i>For Work In Restricted Working Space, Add</i>	3.11	
22 07 19 00-1192 LF 2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	18.07	5.31
<i>For Work In Restricted Working Space, Add</i>	3.18	
22 07 19 00-1193 LF 3" I.D. (3-1/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation.....	19.49	5.36
<i>For Work In Restricted Working Space, Add</i>	3.22	

**22 10 Plumbing Piping** (22)

Note: The demolition price for only the length of pipe (LF) shall be used for lengths (LF) of pipe removal which exclude the fittings, valves, and insulation. The demolition price for individual fittings, valves, and insulation shall not be used in conjunction with pipe (LF) demolition tasks.

**22 11 Facility Water Distribution** (22 11)

**22 11 16 Domestic Water Piping** (22 11)

Note: The demolition price for only the length of pipe (LF) shall be used for lengths (LF) of pipe removal which exclude the fittings, valves, and insulation. The demolition price for individual fittings, valves, and insulation shall not be used in conjunction with pipe (LF) demolition tasks.

**22 11 16 00-0001 Galvanized Steel Pipe Assemblies** (22 11 16)

Note: (ASTM A-53) Threaded and coupled. Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Includes cutting and threading to length where necessary. Not for use where detail is available.

22 11 16 00-0002 LF 1/2" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly.....	19.45	4.06
<i>Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.</i>		
<i>For ASTM 120, Deduct</i>	-0.89	
<i>For Work In Restricted Working Space, Add</i>	4.05	
<i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i>	5.38	
22 11 16 00-0003 LF 3/4" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly.....	21.65	4.37
<i>Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.</i>		
<i>For ASTM 120, Deduct</i>	-1.11	
<i>For Work In Restricted Working Space, Add</i>	4.28	
<i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i>	6.18	
22 11 16 00-0004 LF 1" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly.....	25.08	4.78
<i>Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.</i>		
<i>For ASTM 120, Deduct</i>	-1.47	
<i>For Work In Restricted Working Space, Add</i>	4.58	
<i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i>	7.47	
22 11 16 00-0005 LF 1-1/4" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly.....	30.16	4.98
<i>Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.</i>		
<i>For ASTM 120, Deduct</i>	-2.10	
<i>For Work In Restricted Working Space, Add</i>	4.86	
<i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i>	9.52	

**22 Plumbing**  
**22 10 Plumbing Piping**  
**22 11 Facility Water Distribution**



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0006	LF	1-1/2" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly ..... Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	32.83	5.90
		<i>For ASTM 120, Deduct</i>	-2.39	
		<i>For Work In Restricted Working Space, Add</i>	5.07	
		<i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i>	10.55	
22 11 16 00-0007	LF	2" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly ..... Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	40.19	7.11
		<i>For ASTM 120, Deduct</i>	-3.15	
		<i>For Work In Restricted Working Space, Add</i>	5.77	
		<i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i>	13.28	
22 11 16 00-0008	LF	2-1/2" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly ..... Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	60.28	8.43
		<i>For ASTM 120, Deduct</i>	-5.66	
		<i>For Work In Restricted Working Space, Add</i>	6.76	
		<i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i>	21.50	
22 11 16 00-0009	LF	3" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly ..... Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	74.88	11.29
		<i>For ASTM 120, Deduct</i>	-7.14	
		<i>For Work In Restricted Working Space, Add</i>	8.19	
		<i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i>	26.87	
22 11 16 00-0010	LF	4" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly ..... Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	116.82	12.82
		<i>For ASTM 120, Deduct</i>	-13.03	
		<i>For Work In Restricted Working Space, Add</i>	8.99	
		<i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i>	45.08	
22 11 16 00-0011	LF	5" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly ..... Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	212.11	16.38
		<i>For ASTM 120, Deduct</i>	-26.39	
		<i>For Work In Restricted Working Space, Add</i>	10.85	
		<i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i>	86.40	
22 11 16 00-0012	LF	6" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly ..... Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	249.21	19.37
		<i>For ASTM 120, Deduct</i>	-31.22	
		<i>For Work In Restricted Working Space, Add</i>	12.33	
		<i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i>	101.87	
22 11 16 00-0013		<b>Galvanized Steel Pipe And Threaded Fittings</b> <small>(22 11 16)</small> Note: (ASTM A-53) Threaded and coupled, schedule 40. Excludes hangers, elbow, tee, or reducer fittings.		
22 11 16 00-0014		<b>Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe</b> <small>(22 11 16 00-0013)</small> Note: ASTM A-53. Welded pipe has a weld bead on the inside. Includes coupling. Includes cutting and threading to length where necessary.		
22 11 16 00-0015	LF	1/2" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe ..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Pipe, Add</i>	9.59 -0.51 1.85 2.26	4.06
22 11 16 00-0016	LF	3/4" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe ..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Pipe, Add</i>	11.09 -0.68 1.97 2.83	4.37
22 11 16 00-0017	LF	1" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe ..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Pipe, Add</i>	13.83 -1.01 2.13 3.94	4.78
22 11 16 00-0018	LF	1-1/4" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe ..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Pipe, Add</i>	16.64 -1.37 2.26 5.13	4.98
22 11 16 00-0019	LF	1-1/2" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe ..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Pipe, Add</i>	19.74 -1.64 2.65 6.12	5.90
22 11 16 00-0020	LF	2" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe ..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Pipe, Add</i>	25.33 -2.19 3.21 8.09	7.11
22 11 16 00-0021	LF	2-1/2" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe ..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Pipe, Add</i>	35.92 -3.48 3.81 12.41	8.43
22 11 16 00-0022	LF	3" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe ..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Pipe, Add</i>	47.33 -4.56 5.08 16.28	11.29
22 11 16 00-0023	LF	4" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe ..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Pipe, Add</i>	62.54 -6.49 5.78 22.69	12.82





	<b>Plumbing</b>	<b>22</b>
	<b>Plumbing Piping</b>	<b>22 10</b>
	<b>Facility Water Distribution</b>	<b>22 11</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0024 LF 5" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe .....	82.55	16.38
For ASTM 120, Deduct	-8.70	
For Work In Restricted Working Space, Add	7.36	
For Schedule 80 Pipe, Add	30.30	
22 11 16 00-0025 LF 6" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe .....	104.28	19.37
For ASTM 120, Deduct	-11.29	
For Work In Restricted Working Space, Add	8.71	
For Schedule 80 Pipe, Add	39.03	
22 11 16 00-0026 LF 8" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe .....	116.36	23.42
For ASTM 120, Deduct	-12.20	
For Work In Restricted Working Space, Add	10.52	
For Schedule 80 Pipe, Add	42.53	
<b>22 11 16 00-0027 Seamless, Threaded And Coupled, Galvanized Steel Pipe</b> <small>(22 11 16 00-0013)</small>		
Note: ASTM A-53. Includes coupling. Includes cutting and threading to length where necessary.		
22 11 16 00-0028 LF 1/2" Schedule 40, Seamless, Threaded Galvanized Steel Pipe .....	16.01	4.06
For ASTM 120, Deduct	-1.48	
For Work In Restricted Working Space, Add	1.85	
For Schedule 80 Pipe, Add	5.34	
22 11 16 00-0029 LF 3/4" Schedule 40, Seamless, Threaded Galvanized Steel Pipe .....	18.37	4.37
For ASTM 120, Deduct	-1.77	
For Work In Restricted Working Space, Add	1.97	
For Schedule 80 Pipe, Add	6.32	
22 11 16 00-0030 LF 1" Schedule 40, Seamless, Threaded Galvanized Steel Pipe .....	20.83	4.78
For ASTM 120, Deduct	-2.06	
For Work In Restricted Working Space, Add	2.13	
For Schedule 80 Pipe, Add	7.30	
22 11 16 00-0031 LF 1-1/4" Schedule 40, Seamless, Threaded Galvanized Steel Pipe .....	24.78	4.98
For ASTM 120, Deduct	-2.59	
For Work In Restricted Working Space, Add	2.26	
For Schedule 80 Pipe, Add	9.03	
22 11 16 00-0032 LF 1-1/2" Schedule 40, Seamless, Threaded Galvanized Steel Pipe .....	28.54	5.90
For ASTM 120, Deduct	-2.96	
For Work In Restricted Working Space, Add	2.65	
For Schedule 80 Pipe, Add	10.34	
22 11 16 00-0033 LF 2" Schedule 40, Seamless, Threaded Galvanized Steel Pipe .....	33.14	7.11
For ASTM 120, Deduct	-3.37	
For Work In Restricted Working Space, Add	3.21	
For Schedule 80 Pipe, Add	11.84	
22 11 16 00-0034 LF 2-1/2" Schedule 40, Seamless, Threaded Galvanized Steel Pipe .....	50.26	8.43
For ASTM 120, Deduct	-5.63	
For Work In Restricted Working Space, Add	3.81	
For Schedule 80 Pipe, Add	19.30	
22 11 16 00-0035 LF 3" Schedule 40, Seamless, Threaded Galvanized Steel Pipe .....	62.86	11.29
For ASTM 120, Deduct	-6.89	
For Work In Restricted Working Space, Add	5.08	
For Schedule 80 Pipe, Add	23.74	
22 11 16 00-0036 LF 4" Schedule 40, Seamless, Threaded Galvanized Steel Pipe .....	84.93	12.82
For ASTM 120, Deduct	-9.85	
For Work In Restricted Working Space, Add	5.78	
For Schedule 80 Pipe, Add	33.44	
22 11 16 00-0037 LF 5" Schedule 40, Seamless, Threaded Galvanized Steel Pipe .....	110.22	16.38
For ASTM 120, Deduct	-12.85	
For Work In Restricted Working Space, Add	7.36	
For Schedule 80 Pipe, Add	43.58	
22 11 16 00-0038 LF 6" Schedule 40, Seamless, Threaded Galvanized Steel Pipe .....	138.63	19.37
For ASTM 120, Deduct	-16.44	
For Work In Restricted Working Space, Add	8.71	
For Schedule 80 Pipe, Add	55.51	
<b>22 11 16 00-0039 Galvanized Malleable Iron 90 Degree Elbows</b> <small>(22 11 16 00-0013)</small>		
22 11 16 00-0040 EA 1/2", 150 LB, Galvanized Malleable Iron 90 Degree Elbow .....	33.01	18.09
For ASTM 120, Deduct	-0.89	
For Work In Restricted Working Space, Add	8.13	
For 300 LB Rating, Add	21.69	
22 11 16 00-0041 EA 3/4", 150 LB, Galvanized Malleable Iron 90 Degree Elbow .....	37.59	20.23
For ASTM 120, Deduct	-1.09	
For Work In Restricted Working Space, Add	9.10	
For 300 LB Rating, Add	26.47	
22 11 16 00-0042 EA 1", 150 LB, Galvanized Malleable Iron 90 Degree Elbow .....	47.31	22.56
For ASTM 120, Deduct	-2.01	
For Work In Restricted Working Space, Add	10.16	
For 300 LB Rating, Add	47.69	
22 11 16 00-0043 EA 1-1/4", 150 LB, Galvanized Malleable Iron 90 Degree Elbow .....	59.56	25.62
For ASTM 120, Deduct	-3.18	
For Work In Restricted Working Space, Add	11.51	
For 300 LB Rating, Add	74.42	
22 11 16 00-0044 EA 1-1/2", 150 LB, Galvanized Malleable Iron 90 Degree Elbow .....	70.94	28.87
For ASTM 120, Deduct	-4.15	
For Work In Restricted Working Space, Add	12.98	
For 300 LB Rating, Add	96.74	

**22 Plumbing**  
**22 10 Plumbing Piping**  
**22 11 Facility Water Distribution**



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0045 EA 2", 150 LB, Galvanized Malleable Iron 90 Degree Elbow ..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i>	100.29 -6.80 16.48 157.49	36.69
22 11 16 00-0046 EA 2-1/2", 150 LB, Galvanized Malleable Iron 90 Degree Elbow ..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i>	199.99 -17.80 24.39 408.39	54.28
22 11 16 00-0047 EA 3", 150 LB, Galvanized Malleable Iron 90 Degree Elbow ..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i>	302.66 -29.35 32.10 671.66	71.36
22 11 16 00-0048 EA 4", 150 LB, Galvanized Malleable Iron 90 Degree Elbow ..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i>	457.55 -51.77 33.74 1,180.09	74.98
22 11 16 00-0049 EA 5", 150 LB, Galvanized Malleable Iron 90 Degree Elbow ..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i>	1,607.67 -223.55 35.20 5,074.16	78.26
22 11 16 00-0050 EA 6", 150 LB, Galvanized Malleable Iron 90 Degree Elbow ..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i>	1,496.59 -206.09 36.80 4,678.69	81.83
22 11 16 00-0051 EA 8", 150 LB, Galvanized Malleable Iron 90 Degree Elbow ..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i>	1,785.73 -248.63 38.46 5,643.33	85.51
<b>22 11 16 00-0052 Galvanized Malleable Iron Reducing 90 Degree Elbows (22 11 16 00-0013)</b>		
22 11 16 00-0053 EA 3/4" x 1/2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow ..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	41.33 -1.89 8.62	19.11
22 11 16 00-0054 EA 1" x 3/4", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow ..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	48.28 -2.43 9.63	21.44
22 11 16 00-0055 EA 1" x 1/2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow ..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	47.65 -2.57 9.15	20.33
22 11 16 00-0056 EA 1-1/4" x 1", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow ..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	63.25 -4.07 10.84	24.09
22 11 16 00-0057 EA 1-1/4" x 3/4", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow ..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	66.93 -4.89 10.30	22.88
22 11 16 00-0058 EA 1-1/4" x 1/2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow ..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	67.25 -5.18 9.82	21.86
22 11 16 00-0059 EA 1-1/2" x 1-1/4", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow ..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	84.15 -6.50 12.24	27.24
22 11 16 00-0060 EA 1-1/2" x 1", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow ..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	81.92 -6.50 11.57	25.72
22 11 16 00-0061 EA 1-1/2" x 3/4", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow ..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	80.14 -6.50 11.04	24.50
22 11 16 00-0062 EA 2" x 1-1/2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow ..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	99.75 -7.60 14.73	32.73
22 11 16 00-0063 EA 2" x 1-1/4", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow ..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	104.71 -8.71 14.00	31.11
22 11 16 00-0064 EA 2" x 1", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow ..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	104.65 -9.04 13.32	29.58
22 11 16 00-0065 EA 2" x 3/4", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow ..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	88.34 -6.86 12.79	28.46
22 11 16 00-0066 EA 2-1/2" x 2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow ..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	239.79 -25.75 20.44	45.44
22 11 16 00-0067 EA 2-1/2" x 1-1/2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow ..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	253.53 -28.69 18.69	41.58
22 11 16 00-0068 EA 3" x 2-1/2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow ..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	406.14 -46.80 28.25	62.82
22 11 16 00-0069 EA 3" x 2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow ..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	351.94 -40.65 24.29	53.97
22 11 16 00-0070 EA 4" x 3", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow ..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	812.96 -105.90 32.09	71.32



	<b>Plumbing</b>	<b>22</b>
	<b>Plumbing Piping</b>	<b>22 10</b>
	<b>Facility Water Distribution</b>	<b>22 11</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**22 11 16 00-0071 Galvanized Malleable Iron 45 Degree Elbow** (22 11 16 00-0013)

22 11 16 00-0072	EA 1/2", 150 LB, Galvanized Malleable Iron 45 Degree Elbow .....	35.46		18.09
	<i>For ASTM 120, Deduct</i>	-1.25		
	<i>For Work In Restricted Working Space, Add</i>	8.13		
	<i>For 300 LB Rating, Add</i>	30.02		
22 11 16 00-0073	EA 3/4", 150 LB, Galvanized Malleable Iron 45 Degree Elbow .....	42.36		20.23
	<i>For ASTM 120, Deduct</i>	-1.80		
	<i>For Work In Restricted Working Space, Add</i>	9.10		
	<i>For 300 LB Rating, Add</i>	42.69		
22 11 16 00-0074	EA 1", 150 LB, Galvanized Malleable Iron 45 Degree Elbow .....	47.44		22.56
	<i>For ASTM 120, Deduct</i>	-2.03		
	<i>For Work In Restricted Working Space, Add</i>	10.16		
	<i>For 300 LB Rating, Add</i>	48.14		
22 11 16 00-0075	EA 1-1/4", 150 LB, Galvanized Malleable Iron 45 Degree Elbow .....	63.69		25.62
	<i>For ASTM 120, Deduct</i>	-3.80		
	<i>For Work In Restricted Working Space, Add</i>	11.51		
	<i>For 300 LB Rating, Add</i>	88.46		
22 11 16 00-0076	EA 1-1/2", 150 LB, Galvanized Malleable Iron 45 Degree Elbow .....	73.02		28.87
	<i>For ASTM 120, Deduct</i>	-4.47		
	<i>For Work In Restricted Working Space, Add</i>	12.98		
	<i>For 300 LB Rating, Add</i>	103.81		
22 11 16 00-0077	EA 2", 150 LB, Galvanized Malleable Iron 45 Degree Elbow .....	98.99		36.69
	<i>For ASTM 120, Deduct</i>	-6.61		
	<i>For Work In Restricted Working Space, Add</i>	16.48		
	<i>For 300 LB Rating, Add</i>	153.07		
22 11 16 00-0078	EA 2-1/2", 150 LB, Galvanized Malleable Iron 45 Degree Elbow .....	234.57		54.28
	<i>For ASTM 120, Deduct</i>	-22.99		
	<i>For Work In Restricted Working Space, Add</i>	24.39		
	<i>For 300 LB Rating, Add</i>	525.96		
22 11 16 00-0079	EA 3", 150 LB, Galvanized Malleable Iron 45 Degree Elbow .....	329.90		71.36
	<i>For ASTM 120, Deduct</i>	-33.44		
	<i>For Work In Restricted Working Space, Add</i>	32.10		
	<i>For 300 LB Rating, Add</i>	764.28		
22 11 16 00-0080	EA 4", 150 LB, Galvanized Malleable Iron 45 Degree Elbow .....	486.13		74.98
	<i>For ASTM 120, Deduct</i>	-56.05		
	<i>For Work In Restricted Working Space, Add</i>	33.74		
	<i>For 300 LB Rating, Add</i>	1,277.26		
22 11 16 00-0081	EA 5", 150 LB, Galvanized Malleable Iron 45 Degree Elbow .....	1,627.32		78.26
	<i>For ASTM 120, Deduct</i>	-226.50		
	<i>For Work In Restricted Working Space, Add</i>	35.20		
	<i>For 300 LB Rating, Add</i>	5,140.97		
22 11 16 00-0082	EA 6", 150 LB, Galvanized Malleable Iron 45 Degree Elbow .....	1,943.35		81.83
	<i>For ASTM 120, Deduct</i>	-273.10		
	<i>For Work In Restricted Working Space, Add</i>	36.80		
	<i>For 300 LB Rating, Add</i>	6,197.67		
22 11 16 00-0083	EA 8", 150 LB, Galvanized Malleable Iron 45 Degree Elbow .....	2,321.58		85.51
	<i>For ASTM 120, Deduct</i>	-329.01		
	<i>For Work In Restricted Working Space, Add</i>	38.46		
	<i>For 300 LB Rating, Add</i>	7,465.22		

**22 11 16 00-0084 Galvanized Malleable Iron Tees** (22 11 16 00-0013)

22 11 16 00-0085	EA 1/2", 150 LB, Galvanized Malleable Iron Tee.....	41.52		22.56
	<i>For ASTM 120, Deduct</i>	-1.15		
	<i>For Work In Restricted Working Space, Add</i>	10.16		
	<i>For 300 LB Rating, Add</i>	28.01		
22 11 16 00-0086	EA 3/4", 150 LB, Galvanized Malleable Iron Tee.....	51.70		26.12
	<i>For ASTM 120, Deduct</i>	-1.89		
	<i>For Work In Restricted Working Space, Add</i>	11.73		
	<i>For 300 LB Rating, Add</i>	45.19		
22 11 16 00-0087	EA 1", 150 LB, Galvanized Malleable Iron Tee.....	66.58		30.80
	<i>For ASTM 120, Deduct</i>	-3.06		
	<i>For Work In Restricted Working Space, Add</i>	13.86		
	<i>For 300 LB Rating, Add</i>	72.06		
22 11 16 00-0088	EA 1-1/4", 150 LB, Galvanized Malleable Iron Tee .....	87.28		36.69
	<i>For ASTM 120, Deduct</i>	-4.85		
	<i>For Work In Restricted Working Space, Add</i>	16.48		
	<i>For 300 LB Rating, Add</i>	113.25		
22 11 16 00-0089	EA 1-1/2", 150 LB, Galvanized Malleable Iron Tee .....	105.78		43.71
	<i>For ASTM 120, Deduct</i>	-6.03		
	<i>For Work In Restricted Working Space, Add</i>	19.67		
	<i>For 300 LB Rating, Add</i>	140.61		
22 11 16 00-0090	EA 2", 150 LB, Galvanized Malleable Iron Tee.....	146.65		54.28
	<i>For ASTM 120, Deduct</i>	-9.80		
	<i>For Work In Restricted Working Space, Add</i>	24.39		
	<i>For 300 LB Rating, Add</i>	227.03		
22 11 16 00-0091	EA 2-1/2", 150 LB, Galvanized Malleable Iron Tee .....	272.34		58.95
	<i>For ASTM 120, Deduct</i>	-27.59		
	<i>For Work In Restricted Working Space, Add</i>	26.52		
	<i>For 300 LB Rating, Add</i>	630.73		

**22 Plumbing**  
**22 10 Plumbing Piping**  
**22 11 Facility Water Distribution**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0092	EA		3", 150 LB, Galvanized Malleable Iron Tee.....	322.72	71.36
			<i>For ASTM 120, Deduct</i>	-32.36	
			<i>For Work In Restricted Working Space, Add</i>	32.10	
			<i>For 300 LB Rating, Add</i>	739.87	
22 11 16 00-0093	EA		4", 150 LB, Galvanized Malleable Iron Tee.....	652.35	94.75
			<i>For ASTM 120, Deduct</i>	-76.55	
			<i>For Work In Restricted Working Space, Add</i>	42.61	
			<i>For 300 LB Rating, Add</i>	1,743.58	
22 11 16 00-0094	EA		5", 150 LB, Galvanized Malleable Iron Tee.....	1,772.79	112.48
			<i>For ASTM 120, Deduct</i>	-240.62	
			<i>For Work In Restricted Working Space, Add</i>	50.60	
			<i>For 300 LB Rating, Add</i>	5,464.13	
22 11 16 00-0095	EA		6", 150 LB, Galvanized Malleable Iron Tee.....	2,012.21	128.58
			<i>For ASTM 120, Deduct</i>	-272.92	
			<i>For Work In Restricted Working Space, Add</i>	57.83	
			<i>For 300 LB Rating, Add</i>	6,197.66	
22 11 16 00-0096	EA		8", 150 LB, Galvanized Malleable Iron Tee.....	2,393.16	152.67
			<i>For ASTM 120, Deduct</i>	-324.27	
			<i>For Work In Restricted Working Space, Add</i>	69.40	
			<i>For 300 LB Rating, Add</i>	7,364.10	
<b>22 11 16 00-0097 Galvanized Malleable Iron Reducing Tee (22 11 16 00-0013)</b>					
22 11 16 00-0098	EA		1/2", 150 LB, Galvanized Malleable Iron Reducing Tee.....	51.64	22.56
			<i>For ASTM 120, Deduct</i>	-2.66	
			<i>For Work In Restricted Working Space, Add</i>	10.16	
			<i>For 300 LB Rating, Add</i>	62.42	
22 11 16 00-0099	EA		3/4", 150 LB, Galvanized Malleable Iron Reducing Tee.....	56.62	26.12
			<i>For ASTM 120, Deduct</i>	-2.63	
			<i>For Work In Restricted Working Space, Add</i>	11.73	
			<i>For 300 LB Rating, Add</i>	61.91	
22 11 16 00-0100	EA		1", 150 LB, Galvanized Malleable Iron Reducing Tee.....	70.82	30.80
			<i>For ASTM 120, Deduct</i>	-3.69	
			<i>For Work In Restricted Working Space, Add</i>	13.86	
			<i>For 300 LB Rating, Add</i>	86.48	
22 11 16 00-0101	EA		1-1/4", 150 LB, Galvanized Malleable Iron Reducing Tee.....	93.11	36.69
			<i>For ASTM 120, Deduct</i>	-5.73	
			<i>For Work In Restricted Working Space, Add</i>	16.48	
			<i>For 300 LB Rating, Add</i>	133.07	
22 11 16 00-0102	EA		1-1/2", 150 LB, Galvanized Malleable Iron Reducing Tee.....	112.73	43.71
			<i>For ASTM 120, Deduct</i>	-7.07	
			<i>For Work In Restricted Working Space, Add</i>	19.67	
			<i>For 300 LB Rating, Add</i>	164.24	
22 11 16 00-0103	EA		2", 150 LB, Galvanized Malleable Iron Reducing Tee.....	150.15	54.28
			<i>For ASTM 120, Deduct</i>	-10.33	
			<i>For Work In Restricted Working Space, Add</i>	24.39	
			<i>For 300 LB Rating, Add</i>	238.93	
22 11 16 00-0104	EA		2-1/2", 150 LB, Galvanized Malleable Iron Reducing Tee.....	331.80	59.16
			<i>For ASTM 120, Deduct</i>	-36.47	
			<i>For Work In Restricted Working Space, Add</i>	26.60	
			<i>For 300 LB Rating, Add</i>	831.96	
22 11 16 00-0105	EA		3", 150 LB, Galvanized Malleable Iron Reducing Tee.....	424.01	72.48
			<i>For ASTM 120, Deduct</i>	-47.30	
			<i>For Work In Restricted Working Space, Add</i>	32.61	
			<i>For 300 LB Rating, Add</i>	1,078.61	
22 11 16 00-0106	EA		4", 150 LB, Galvanized Malleable Iron Reducing Tee.....	1,056.10	94.75
			<i>For ASTM 120, Deduct</i>	-137.11	
			<i>For Work In Restricted Working Space, Add</i>	42.61	
			<i>For 300 LB Rating, Add</i>	3,116.33	
22 11 16 00-0107	EA		5", 150 LB, Galvanized Malleable Iron Reducing Tee.....	2,288.76	112.48
			<i>For ASTM 120, Deduct</i>	-318.01	
			<i>For Work In Restricted Working Space, Add</i>	50.60	
			<i>For 300 LB Rating, Add</i>	7,218.43	
22 11 16 00-0108	EA		6", 150 LB, Galvanized Malleable Iron Reducing Tee.....	2,597.51	128.58
			<i>For ASTM 120, Deduct</i>	-360.71	
			<i>For Work In Restricted Working Space, Add</i>	57.83	
			<i>For 300 LB Rating, Add</i>	8,187.68	
22 11 16 00-0109	EA		8", 150 LB, Galvanized Malleable Iron Reducing Tee.....	3,121.17	147.65
			<i>For ASTM 120, Deduct</i>	-434.92	
			<i>For Work In Restricted Working Space, Add</i>	66.50	
			<i>For 300 LB Rating, Add</i>	9,871.57	
<b>22 11 16 00-0110 Galvanized Malleable Iron Couplings (22 11 16 00-0013)</b>					
22 11 16 00-0111	EA		1/2", 150 LB, Galvanized Malleable Iron Coupling.....	35.95	18.09
			<i>For ASTM 120, Deduct</i>	-1.33	
			<i>For Work In Restricted Working Space, Add</i>	8.13	
			<i>For 300 LB Rating, Add</i>	31.68	
22 11 16 00-0112	EA		3/4", 150 LB, Galvanized Malleable Iron Coupling.....	40.53	20.23
			<i>For ASTM 120, Deduct</i>	-1.53	
			<i>For Work In Restricted Working Space, Add</i>	9.10	
			<i>For 300 LB Rating, Add</i>	36.47	



	<b>Plumbing</b>	<b>22</b>
	<b>Plumbing Piping</b>	<b>22 10</b>
	<b>Facility Water Distribution</b>	<b>22 11</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0113 EA 1", 150 LB, Galvanized Malleable Iron Coupling.....	50.57	22.56
For ASTM 120, Deduct	-2.50	
For Work In Restricted Working Space, Add	10.16	
For 300 LB Rating, Add	58.78	
22 11 16 00-0114 EA 1-1/4", 150 LB, Galvanized Malleable Iron Coupling .....	61.90	25.62
For ASTM 120, Deduct	-3.53	
For Work In Restricted Working Space, Add	11.51	
For 300 LB Rating, Add	82.37	
22 11 16 00-0115 EA 1-1/2", 150 LB, Galvanized Malleable Iron Coupling .....	70.01	28.87
For ASTM 120, Deduct	-4.01	
For Work In Restricted Working Space, Add	12.98	
For 300 LB Rating, Add	93.58	
22 11 16 00-0116 EA 2", 150 LB, Galvanized Malleable Iron Coupling.....	94.07	36.69
For ASTM 120, Deduct	-5.87	
For Work In Restricted Working Space, Add	16.48	
For 300 LB Rating, Add	136.34	
22 11 16 00-0117 EA 2-1/2", 150 LB, Galvanized Malleable Iron Coupling .....	201.08	54.28
For ASTM 120, Deduct	-17.97	
For Work In Restricted Working Space, Add	24.39	
For 300 LB Rating, Add	412.10	
22 11 16 00-0118 EA 3", 150 LB, Galvanized Malleable Iron Coupling.....	267.07	71.36
For ASTM 120, Deduct	-24.01	
For Work In Restricted Working Space, Add	32.10	
For 300 LB Rating, Add	550.66	
22 11 16 00-0119 EA 4", 150 LB, Galvanized Malleable Iron Coupling.....	452.41	74.98
For ASTM 120, Deduct	-50.99	
For Work In Restricted Working Space, Add	33.74	
For 300 LB Rating, Add	1,162.61	
22 11 16 00-0120 EA 5", 150 LB, Galvanized Malleable Iron Coupling.....	1,074.59	78.26
For ASTM 120, Deduct	-143.59	
For Work In Restricted Working Space, Add	35.20	
For 300 LB Rating, Add	3,261.69	
22 11 16 00-0121 EA 6", 150 LB, Galvanized Malleable Iron Coupling.....	1,213.23	81.83
For ASTM 120, Deduct	-163.58	
For Work In Restricted Working Space, Add	36.80	
For 300 LB Rating, Add	3,715.26	
22 11 16 00-0122 EA 8", 150 LB, Galvanized Malleable Iron Coupling.....	1,442.54	85.51
For ASTM 120, Deduct	-197.15	
For Work In Restricted Working Space, Add	38.46	
For 300 LB Rating, Add	4,476.48	
<b>22 11 16 00-0123 Galvanized Malleable Iron Reducing Couplings (22 11 16 00-0013)</b>		
22 11 16 00-0124 EA 1/2", 150 LB, Galvanized Malleable Iron Reducing Coupling.....	37.83	18.09
For ASTM 120, Deduct	-1.61	
For Work In Restricted Working Space, Add	8.13	
For 300 LB Rating, Add	38.07	
22 11 16 00-0125 EA 3/4", 150 LB, Galvanized Malleable Iron Reducing Coupling.....	41.80	20.23
For ASTM 120, Deduct	-1.72	
For Work In Restricted Working Space, Add	9.10	
For 300 LB Rating, Add	40.78	
22 11 16 00-0126 EA 1", 150 LB, Galvanized Malleable Iron Reducing Coupling.....	52.99	22.56
For ASTM 120, Deduct	-2.87	
For Work In Restricted Working Space, Add	10.16	
For 300 LB Rating, Add	67.01	
22 11 16 00-0127 EA 1-1/4", 150 LB, Galvanized Malleable Iron Reducing Coupling .....	63.06	25.62
For ASTM 120, Deduct	-3.71	
For Work In Restricted Working Space, Add	11.51	
For 300 LB Rating, Add	86.32	
22 11 16 00-0128 EA 1-1/2", 150 LB, Galvanized Malleable Iron Reducing Coupling .....	75.12	28.87
For ASTM 120, Deduct	-4.78	
For Work In Restricted Working Space, Add	12.98	
For 300 LB Rating, Add	110.95	
22 11 16 00-0129 EA 2", 150 LB, Galvanized Malleable Iron Reducing Coupling.....	98.40	36.69
For ASTM 120, Deduct	-6.52	
For Work In Restricted Working Space, Add	16.48	
For 300 LB Rating, Add	151.06	
22 11 16 00-0130 EA 2-1/2", 150 LB, Galvanized Malleable Iron Reducing Coupling .....	202.59	54.28
For ASTM 120, Deduct	-18.19	
For Work In Restricted Working Space, Add	24.39	
For 300 LB Rating, Add	417.23	
22 11 16 00-0131 EA 3", 150 LB, Galvanized Malleable Iron Reducing Coupling.....	262.53	71.36
For ASTM 120, Deduct	-23.33	
For Work In Restricted Working Space, Add	32.10	
For 300 LB Rating, Add	535.22	
22 11 16 00-0132 EA 4", 150 LB, Galvanized Malleable Iron Reducing Coupling.....	461.16	74.98
For ASTM 120, Deduct	-52.31	
For Work In Restricted Working Space, Add	33.74	
For 300 LB Rating, Add	1,192.36	
22 11 16 00-0133 EA 5", 150 LB, Galvanized Malleable Iron Reducing Coupling.....	1,124.97	78.26
For ASTM 120, Deduct	-151.14	
For Work In Restricted Working Space, Add	35.20	
For 300 LB Rating, Add	3,432.98	

**22 Plumbing**  
**22 10 Plumbing Piping**  
**22 11 Facility Water Distribution**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0134	EA	6"	150 LB, Galvanized Malleable Iron Reducing Coupling..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i>	1,270.63 -172.19 36.80 3,910.42	81.83
22 11 16 00-0135	EA	8"	150 LB, Galvanized Malleable Iron Reducing Coupling..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i>	1,512.23 -207.61 38.46 4,713.43	85.51
<b>22 11 16 00-0136 Galvanized Malleable Iron Caps (22 11 16 00-0013)</b>					
22 11 16 00-0137	EA	1/2"	150 LB, Galvanized Malleable Iron Cap ..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i>	15.87 -0.47 3.81 11.51	8.43
22 11 16 00-0138	EA	3/4"	150 LB, Galvanized Malleable Iron Cap ..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i>	17.92 -0.66 4.07 15.67	9.05
22 11 16 00-0139	EA	1"	150 LB, Galvanized Malleable Iron Cap ..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i>	21.06 -0.81 4.69 19.37	10.47
22 11 16 00-0140	EA	1-1/4"	150 LB, Galvanized Malleable Iron Cap ..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i>	23.54 -1.07 4.92 25.26	10.97
22 11 16 00-0141	EA	1-1/2"	150 LB, Galvanized Malleable Iron Cap ..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i>	23.09 -1.00 4.92 23.73	10.97
22 11 16 00-0142	EA	2"	150 LB, Galvanized Malleable Iron Cap ..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i>	36.17 -2.15 6.56 49.97	14.53
22 11 16 00-0143	EA	2-1/2"	150 LB, Galvanized Malleable Iron Cap ..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i>	59.22 -4.82 8.13 110.80	18.09
22 11 16 00-0144	EA	3"	150 LB, Galvanized Malleable Iron Cap ..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i>	78.51 -6.86 9.84 157.42	21.86
22 11 16 00-0145	EA	4"	150 LB, Galvanized Malleable Iron Cap ..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i>	124.03 -12.82 11.57 292.91	25.73
22 11 16 00-0146	EA	5"	150 LB, Galvanized Malleable Iron Cap ..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i>	331.91 -42.56 14.46 967.54	32.19
22 11 16 00-0147	EA	6"	150 LB, Galvanized Malleable Iron Cap ..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i>	414.99 -53.64 17.23 1,219.18	38.26
22 11 16 00-0148	EA	8"	150 LB, Galvanized Malleable Iron Cap ..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i>	527.50 -69.51 19.23 1,579.41	42.75
<b>22 11 16 00-0149 Galvanized Malleable Iron FIP Threaded, Unions (22 11 16 00-0013)</b>					
22 11 16 00-0150	EA	1/2"	150 LB, Galvanized Malleable Iron Union ..... <i>For Work In Restricted Working Space, Add</i>	64.57 10.16	22.56
22 11 16 00-0151	EA	3/4"	150 LB, Galvanized Malleable Iron Union ..... <i>For Work In Restricted Working Space, Add</i>	74.37 11.73	26.12
22 11 16 00-0152	EA	1"	150 LB, Galvanized Malleable Iron Union..... <i>For Work In Restricted Working Space, Add</i>	92.38 13.86	30.80
22 11 16 00-0153	EA	1-1/4"	150 LB, Galvanized Malleable Iron Union ..... <i>For Work In Restricted Working Space, Add</i>	121.70 16.48	36.69
22 11 16 00-0154	EA	1-1/2"	150 LB, Galvanized Malleable Iron Union ..... <i>For Work In Restricted Working Space, Add</i>	146.47 19.67	43.71
22 11 16 00-0155	EA	2"	150 LB, Galvanized Malleable Iron Union..... <i>For Work In Restricted Working Space, Add</i>	174.30 24.39	54.28
22 11 16 00-0156	EA	2-1/2"	150 LB, Galvanized Malleable Iron Union ..... <i>For Work In Restricted Working Space, Add</i>	443.07 36.07	79.99
22 11 16 00-0157	EA	3"	150 LB, Galvanized Malleable Iron Union..... <i>For Work In Restricted Working Space, Add</i>	610.06 47.39	105.21
22 11 16 00-0158	EA	1/2"	250 LB, Galvanized Malleable Iron Union ..... <i>For Work In Restricted Working Space, Add</i>	96.28 10.16	22.56
22 11 16 00-0159	EA	3/4"	250 LB, Galvanized Malleable Iron Union ..... <i>For Work In Restricted Working Space, Add</i>	95.79 11.73	26.12
22 11 16 00-0160	EA	1"	250 LB, Galvanized Malleable Iron Union..... <i>For Work In Restricted Working Space, Add</i>	116.48 13.86	30.80



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0161 EA 1-1/4", 250 LB, Galvanized Malleable Iron Union .....	161.39	36.69
For Work In Restricted Working Space, Add	16.48	
22 11 16 00-0162 EA 1-1/2", 250 LB, Galvanized Malleable Iron Union .....	188.13	43.71
For Work In Restricted Working Space, Add	19.67	
22 11 16 00-0163 EA 2", 250 LB, Galvanized Malleable Iron Union .....	254.38	54.28
For Work In Restricted Working Space, Add	24.39	
22 11 16 00-0164 EA 2-1/2", 250 LB, Galvanized Malleable Iron Union .....	575.32	79.99
For Work In Restricted Working Space, Add	36.02	
22 11 16 00-0165 EA 3", 250 LB, Galvanized Malleable Iron Union .....	856.47	105.21
For Work In Restricted Working Space, Add	47.39	
22 11 16 00-0166 EA 4", 250 LB, Galvanized Malleable Iron Union .....	1,261.73	110.65
For Work In Restricted Working Space, Add	49.80	
22 11 16 00-0167 EA 1/2", 300 LB, Galvanized Malleable Iron Union .....	104.98	22.56
For Work In Restricted Working Space, Add	10.16	
22 11 16 00-0168 EA 3/4", 300 LB, Galvanized Malleable Iron Union .....	116.19	26.12
For Work In Restricted Working Space, Add	11.73	
22 11 16 00-0169 EA 1", 300 LB, Galvanized Malleable Iron Union .....	148.47	30.80
For Work In Restricted Working Space, Add	13.86	
22 11 16 00-0170 EA 1-1/4", 300 LB, Galvanized Malleable Iron Union .....	197.56	36.69
For Work In Restricted Working Space, Add	16.48	
22 11 16 00-0171 EA 1-1/2", 300 LB, Galvanized Malleable Iron Union .....	237.31	43.71
For Work In Restricted Working Space, Add	19.67	
22 11 16 00-0172 EA 2", 300 LB, Galvanized Malleable Iron Union .....	287.43	54.28
For Work In Restricted Working Space, Add	24.39	
22 11 16 00-0173 EA 2-1/2", 300 LB, Galvanized Malleable Iron Union .....	695.01	79.99
For Work In Restricted Working Space, Add	36.02	
22 11 16 00-0174 EA 3", 300 LB, Galvanized Malleable Iron Union .....	1,130.36	105.21
For Work In Restricted Working Space, Add	47.39	
22 11 16 00-0175 EA 4", 300 LB, Galvanized Malleable Iron Union .....	2,604.82	110.65
For Work In Restricted Working Space, Add	49.80	
<b>22 11 16 00-0176 Galvanized Steel Nipples (22 11 16 00-0013)</b>		
Note: ASTM A-53.		
22 11 16 00-0177 EA 3/8" x Close, Schedule 40 Galvanized Steel Nipple .....	17.34	9.65
For ASTM 120, Deduct	-0.42	
For Work In Restricted Working Space, Add	4.36	
For Schedule 80 Nipples, Add	3.21	
22 11 16 00-0178 EA 1/2" x Close, Schedule 40 Galvanized Steel Nipple .....	16.80	9.65
For ASTM 120, Deduct	-0.34	
For Work In Restricted Working Space, Add	4.36	
For Schedule 80 Nipples, Add	2.60	
22 11 16 00-0179 EA 3/4" x Close, Schedule 40 Galvanized Steel Nipple .....	17.29	9.65
For ASTM 120, Deduct	-0.42	
For Work In Restricted Working Space, Add	4.36	
For Schedule 80 Nipples, Add	3.16	
22 11 16 00-0180 EA 1" x Close, Schedule 40 Galvanized Steel Nipple .....	19.44	10.47
For ASTM 120, Deduct	-0.57	
For Work In Restricted Working Space, Add	4.69	
For Schedule 80 Nipples, Add	4.33	
22 11 16 00-0181 EA 1-1/4" x Close, Schedule 40 Galvanized Steel Nipple .....	22.03	11.29
For ASTM 120, Deduct	-0.76	
For Work In Restricted Working Space, Add	5.08	
For Schedule 80 Nipples, Add	5.80	
22 11 16 00-0182 EA 1-1/2" x Close, Schedule 40 Galvanized Steel Nipple .....	22.91	11.29
For ASTM 120, Deduct	-0.90	
For Work In Restricted Working Space, Add	5.08	
For Schedule 80 Nipples, Add	6.81	
22 11 16 00-0183 EA 2" x Close, Schedule 40 Galvanized Steel Nipple .....	30.28	14.53
For ASTM 120, Deduct	-1.26	
For Work In Restricted Working Space, Add	6.56	
For Schedule 80 Nipples, Add	9.60	
22 11 16 00-0184 EA 2-1/2" x Close, Schedule 40 Galvanized Steel Nipple .....	52.18	18.09
For ASTM 120, Deduct	-3.76	
For Work In Restricted Working Space, Add	8.13	
For Schedule 80 Nipples, Add	28.58	
22 11 16 00-0185 EA 3" x Close, Schedule 40 Galvanized Steel Nipple .....	62.83	21.86
For ASTM 120, Deduct	-4.51	
For Work In Restricted Working Space, Add	9.84	
For Schedule 80 Nipples, Add	34.25	
22 11 16 00-0186 EA 4" x Close, Schedule 40 Galvanized Steel Nipple .....	83.59	25.73
For ASTM 120, Deduct	-6.75	
For Work In Restricted Working Space, Add	11.57	
For Schedule 80 Nipples, Add	51.33	
22 11 16 00-0187 EA 3/8" x 1-1/2" Long, Schedule 40 Galvanized Steel Nipple .....	17.75	9.65
For ASTM 120, Deduct	-0.48	
For Work In Restricted Working Space, Add	4.36	
For Schedule 80 Nipples, Add	3.68	
22 11 16 00-0188 EA 1/2" x 1-1/2" Long, Schedule 40 Galvanized Steel Nipple .....	16.92	9.65
For ASTM 120, Deduct	-0.36	
For Work In Restricted Working Space, Add	4.36	
For Schedule 80 Nipples, Add	2.74	

**22 Plumbing**  
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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0189	EA		3/4" x 1-1/2" Long, Schedule 40 Galvanized Steel Nipple .....	17.53	9.65
			<i>For ASTM 120, Deduct</i>	-0.45	
			<i>For Work In Restricted Working Space, Add</i>	4.36	
			<i>For Schedule 80 Nipples, Add</i>	3.43	
22 11 16 00-0190	EA		3/8" x 2" Long, Schedule 40 Galvanized Steel Nipple.....	17.75	9.65
			<i>For ASTM 120, Deduct</i>	-0.48	
			<i>For Work In Restricted Working Space, Add</i>	4.36	
			<i>For Schedule 80 Nipples, Add</i>	3.68	
22 11 16 00-0191	EA		1/2" x 2" Long, Schedule 40 Galvanized Steel Nipple.....	16.92	9.65
			<i>For ASTM 120, Deduct</i>	-0.36	
			<i>For Work In Restricted Working Space, Add</i>	4.36	
			<i>For Schedule 80 Nipples, Add</i>	2.74	
22 11 16 00-0192	EA		3/4" x 2" Long, Schedule 40 Galvanized Steel Nipple.....	17.53	9.65
			<i>For ASTM 120, Deduct</i>	-0.45	
			<i>For Work In Restricted Working Space, Add</i>	4.36	
			<i>For Schedule 80 Nipples, Add</i>	3.43	
22 11 16 00-0193	EA		1" x 2" Long, Schedule 40 Galvanized Steel Nipple .....	20.12	10.47
			<i>For ASTM 120, Deduct</i>	-0.67	
			<i>For Work In Restricted Working Space, Add</i>	4.69	
			<i>For Schedule 80 Nipples, Add</i>	5.11	
22 11 16 00-0194	EA		1-1/4" x 2" Long, Schedule 40 Galvanized Steel Nipple .....	22.40	11.29
			<i>For ASTM 120, Deduct</i>	-0.82	
			<i>For Work In Restricted Working Space, Add</i>	5.08	
			<i>For Schedule 80 Nipples, Add</i>	6.22	
22 11 16 00-0195	EA		1-1/2" x 2" Long, Schedule 40 Galvanized Steel Nipple .....	23.36	11.29
			<i>For ASTM 120, Deduct</i>	-0.96	
			<i>For Work In Restricted Working Space, Add</i>	5.08	
			<i>For Schedule 80 Nipples, Add</i>	7.32	
22 11 16 00-0196	EA		3/8" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple .....	18.83	9.65
			<i>For ASTM 120, Deduct</i>	-0.65	
			<i>For Work In Restricted Working Space, Add</i>	4.36	
			<i>For Schedule 80 Nipples, Add</i>	4.91	
22 11 16 00-0197	EA		1/2" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple .....	17.34	9.65
			<i>For ASTM 120, Deduct</i>	-0.42	
			<i>For Work In Restricted Working Space, Add</i>	4.36	
			<i>For Schedule 80 Nipples, Add</i>	3.21	
22 11 16 00-0198	EA		3/4" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple .....	17.85	9.65
			<i>For ASTM 120, Deduct</i>	-0.50	
			<i>For Work In Restricted Working Space, Add</i>	4.36	
			<i>For Schedule 80 Nipples, Add</i>	3.80	
22 11 16 00-0199	EA		1" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple .....	20.49	10.47
			<i>For ASTM 120, Deduct</i>	-0.73	
			<i>For Work In Restricted Working Space, Add</i>	4.69	
			<i>For Schedule 80 Nipples, Add</i>	5.53	
22 11 16 00-0200	EA		1-1/4" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple .....	22.94	11.29
			<i>For ASTM 120, Deduct</i>	-0.90	
			<i>For Work In Restricted Working Space, Add</i>	5.08	
			<i>For Schedule 80 Nipples, Add</i>	6.84	
22 11 16 00-0201	EA		1-1/2" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple .....	24.09	11.29
			<i>For ASTM 120, Deduct</i>	-1.07	
			<i>For Work In Restricted Working Space, Add</i>	5.08	
			<i>For Schedule 80 Nipples, Add</i>	8.15	
22 11 16 00-0202	EA		2" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple .....	31.34	14.53
			<i>For ASTM 120, Deduct</i>	-1.42	
			<i>For Work In Restricted Working Space, Add</i>	6.56	
			<i>For Schedule 80 Nipples, Add</i>	10.81	
22 11 16 00-0203	EA		3/8" x 3" Long, Schedule 40 Galvanized Steel Nipple.....	18.83	9.65
			<i>For ASTM 120, Deduct</i>	-0.65	
			<i>For Work In Restricted Working Space, Add</i>	4.36	
			<i>For Schedule 80 Nipples, Add</i>	4.91	
22 11 16 00-0204	EA		1/2" x 3" Long, Schedule 40 Galvanized Steel Nipple.....	17.34	9.65
			<i>For ASTM 120, Deduct</i>	-0.42	
			<i>For Work In Restricted Working Space, Add</i>	4.36	
			<i>For Schedule 80 Nipples, Add</i>	3.21	
22 11 16 00-0205	EA		3/4" x 3" Long, Schedule 40 Galvanized Steel Nipple.....	17.85	9.65
			<i>For ASTM 120, Deduct</i>	-0.50	
			<i>For Work In Restricted Working Space, Add</i>	4.36	
			<i>For Schedule 80 Nipples, Add</i>	3.80	
22 11 16 00-0206	EA		1" x 3" Long, Schedule 40 Galvanized Steel Nipple .....	20.49	10.47
			<i>For ASTM 120, Deduct</i>	-0.73	
			<i>For Work In Restricted Working Space, Add</i>	4.69	
			<i>For Schedule 80 Nipples, Add</i>	5.53	
22 11 16 00-0207	EA		1-1/4" x 3" Long, Schedule 40 Galvanized Steel Nipple .....	22.94	11.29
			<i>For ASTM 120, Deduct</i>	-0.90	
			<i>For Work In Restricted Working Space, Add</i>	5.08	
			<i>For Schedule 80 Nipples, Add</i>	6.84	
22 11 16 00-0208	EA		1-1/2" x 3" Long, Schedule 40 Galvanized Steel Nipple .....	24.09	11.29
			<i>For ASTM 120, Deduct</i>	-1.07	
			<i>For Work In Restricted Working Space, Add</i>	5.08	
			<i>For Schedule 80 Nipples, Add</i>	8.15	
22 11 16 00-0209	EA		2" x 3" Long, Schedule 40 Galvanized Steel Nipple .....	31.34	14.53
			<i>For ASTM 120, Deduct</i>	-1.42	
			<i>For Work In Restricted Working Space, Add</i>	6.56	
			<i>For Schedule 80 Nipples, Add</i>	10.81	





	<b>Plumbing</b>	<b>22</b>
	<b>Plumbing Piping</b>	<b>22 10</b>
	<b>Facility Water Distribution</b>	<b>22 11</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0210 EA 2-1/2" x 3" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Nipples, Add</i>	53.14 -3.90 8.13 29.67	18.09
22 11 16 00-0211 EA 3" x 3" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Nipples, Add</i>	66.97 -5.13 9.84 38.97	21.86
22 11 16 00-0212 EA 3/8" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Nipples, Add</i>	19.64 -0.77 4.36 5.84	9.65
22 11 16 00-0213 EA 1/2" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Nipples, Add</i>	18.00 -0.52 4.36 3.97	9.65
22 11 16 00-0214 EA 3/4" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Nipples, Add</i>	18.83 -0.65 4.36 4.91	9.65
22 11 16 00-0215 EA 1" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Nipples, Add</i>	21.47 -0.87 4.69 6.65	10.47
22 11 16 00-0216 EA 1-1/4" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Nipples, Add</i>	24.09 -1.07 5.08 8.15	11.29
22 11 16 00-0217 EA 1-1/2" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Nipples, Add</i>	25.97 -1.35 5.08 10.29	11.29
22 11 16 00-0218 EA 2" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Nipples, Add</i>	33.37 -1.73 6.56 13.12	14.53
22 11 16 00-0219 EA 2-1/2" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Nipples, Add</i>	57.32 -4.53 8.13 34.44	18.09
22 11 16 00-0220 EA 3" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Nipples, Add</i>	72.90 -6.02 9.84 45.73	21.86
22 11 16 00-0221 EA 3/8" x 4" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Nipples, Add</i>	19.64 -0.77 4.36 5.84	9.65
22 11 16 00-0222 EA 1/2" x 4" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Nipples, Add</i>	18.00 -0.52 4.36 3.97	9.65
22 11 16 00-0223 EA 3/4" x 4" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Nipples, Add</i>	19.64 -0.77 4.36 5.84	9.65
22 11 16 00-0224 EA 1" x 4" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Nipples, Add</i>	21.47 -0.87 4.69 6.65	10.47
22 11 16 00-0225 EA 1-1/4" x 4" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Nipples, Add</i>	24.09 -1.07 5.08 8.15	11.29
22 11 16 00-0226 EA 1-1/2" x 4" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Nipples, Add</i>	25.97 -1.35 5.08 10.29	11.29
22 11 16 00-0227 EA 2" x 4" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Nipples, Add</i>	33.47 -1.74 6.56 13.24	14.53
22 11 16 00-0228 EA 2-1/2" x 4" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Nipples, Add</i>	57.32 -4.53 8.13 34.44	18.09
22 11 16 00-0229 EA 3" x 4" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Nipples, Add</i>	72.90 -6.02 9.84 45.73	21.86
22 11 16 00-0230 EA 4" x 4" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Nipples, Add</i>	92.40 -8.08 11.57 61.38	25.73

**22 Plumbing**  
**22 10 Plumbing Piping**  
**22 11 Facility Water Distribution**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0231	EA		3/8" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	21.57	9.65
			<i>For ASTM 120, Deduct</i>	-1.06	
			<i>For Work In Restricted Working Space, Add</i>	4.36	
			<i>For Schedule 80 Nipples, Add</i>	8.04	
22 11 16 00-0232	EA		1/2" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	18.71	9.65
			<i>For ASTM 120, Deduct</i>	-0.63	
			<i>For Work In Restricted Working Space, Add</i>	4.36	
			<i>For Schedule 80 Nipples, Add</i>	4.78	
22 11 16 00-0233	EA		3/4" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	19.66	9.65
			<i>For ASTM 120, Deduct</i>	-0.77	
			<i>For Work In Restricted Working Space, Add</i>	4.36	
			<i>For Schedule 80 Nipples, Add</i>	5.86	
22 11 16 00-0234	EA		1" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	22.79	10.47
			<i>For ASTM 120, Deduct</i>	-1.07	
			<i>For Work In Restricted Working Space, Add</i>	4.69	
			<i>For Schedule 80 Nipples, Add</i>	8.15	
22 11 16 00-0235	EA		1-1/4" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	25.78	11.29
			<i>For ASTM 120, Deduct</i>	-1.33	
			<i>For Work In Restricted Working Space, Add</i>	5.08	
			<i>For Schedule 80 Nipples, Add</i>	10.08	
22 11 16 00-0236	EA		1-1/2" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	27.86	11.29
			<i>For ASTM 120, Deduct</i>	-1.64	
			<i>For Work In Restricted Working Space, Add</i>	5.08	
			<i>For Schedule 80 Nipples, Add</i>	12.45	
22 11 16 00-0237	EA		2" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	36.55	14.53
			<i>For ASTM 120, Deduct</i>	-2.20	
			<i>For Work In Restricted Working Space, Add</i>	6.56	
			<i>For Schedule 80 Nipples, Add</i>	16.75	
22 11 16 00-0238	EA		2-1/2" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	60.80	18.09
			<i>For ASTM 120, Deduct</i>	-5.05	
			<i>For Work In Restricted Working Space, Add</i>	8.13	
			<i>For Schedule 80 Nipples, Add</i>	38.41	
22 11 16 00-0239	EA		3" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	79.53	21.86
			<i>For ASTM 120, Deduct</i>	-7.01	
			<i>For Work In Restricted Working Space, Add</i>	9.84	
			<i>For Schedule 80 Nipples, Add</i>	53.28	
22 11 16 00-0240	EA		4" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	98.94	25.73
			<i>For ASTM 120, Deduct</i>	-9.06	
			<i>For Work In Restricted Working Space, Add</i>	11.57	
			<i>For Schedule 80 Nipples, Add</i>	68.83	
22 11 16 00-0241	EA		3/8" x 5" Long, Schedule 40 Galvanized Steel Nipple	21.57	9.65
			<i>For ASTM 120, Deduct</i>	-1.06	
			<i>For Work In Restricted Working Space, Add</i>	4.36	
			<i>For Schedule 80 Nipples, Add</i>	8.04	
22 11 16 00-0242	EA		1/2" x 5" Long, Schedule 40 Galvanized Steel Nipple	18.71	9.65
			<i>For ASTM 120, Deduct</i>	-0.63	
			<i>For Work In Restricted Working Space, Add</i>	4.36	
			<i>For Schedule 80 Nipples, Add</i>	4.78	
22 11 16 00-0243	EA		3/4" x 5" Long, Schedule 40 Galvanized Steel Nipple	19.66	9.65
			<i>For ASTM 120, Deduct</i>	-0.77	
			<i>For Work In Restricted Working Space, Add</i>	4.36	
			<i>For Schedule 80 Nipples, Add</i>	5.86	
22 11 16 00-0244	EA		1" x 5" Long, Schedule 40 Galvanized Steel Nipple	22.79	10.47
			<i>For ASTM 120, Deduct</i>	-1.07	
			<i>For Work In Restricted Working Space, Add</i>	4.69	
			<i>For Schedule 80 Nipples, Add</i>	8.15	
22 11 16 00-0245	EA		1-1/4" x 5" Long, Schedule 40 Galvanized Steel Nipple	25.78	11.29
			<i>For ASTM 120, Deduct</i>	-1.33	
			<i>For Work In Restricted Working Space, Add</i>	5.08	
			<i>For Schedule 80 Nipples, Add</i>	10.08	
22 11 16 00-0246	EA		1-1/2" x 5" Long, Schedule 40 Galvanized Steel Nipple	27.86	11.29
			<i>For ASTM 120, Deduct</i>	-1.64	
			<i>For Work In Restricted Working Space, Add</i>	5.08	
			<i>For Schedule 80 Nipples, Add</i>	12.45	
22 11 16 00-0247	EA		2" x 5" Long, Schedule 40 Galvanized Steel Nipple	36.55	14.53
			<i>For ASTM 120, Deduct</i>	-2.20	
			<i>For Work In Restricted Working Space, Add</i>	6.56	
			<i>For Schedule 80 Nipples, Add</i>	16.75	
22 11 16 00-0248	EA		2-1/2" x 5" Long, Schedule 40 Galvanized Steel Nipple	60.80	18.09
			<i>For ASTM 120, Deduct</i>	-5.05	
			<i>For Work In Restricted Working Space, Add</i>	8.13	
			<i>For Schedule 80 Nipples, Add</i>	38.41	
22 11 16 00-0249	EA		3" x 5" Long, Schedule 40 Galvanized Steel Nipple	79.53	21.86
			<i>For ASTM 120, Deduct</i>	-7.01	
			<i>For Work In Restricted Working Space, Add</i>	9.84	
			<i>For Schedule 80 Nipples, Add</i>	53.28	
22 11 16 00-0250	EA		4" x 5" Long, Schedule 40 Galvanized Steel Nipple	98.94	25.73
			<i>For ASTM 120, Deduct</i>	-9.06	
			<i>For Work In Restricted Working Space, Add</i>	11.57	
			<i>For Schedule 80 Nipples, Add</i>	68.83	
22 11 16 00-0251	EA		3/8" x 6" Long, Schedule 40 Galvanized Steel Nipple	22.36	9.65
			<i>For ASTM 120, Deduct</i>	-1.18	
			<i>For Work In Restricted Working Space, Add</i>	4.36	
			<i>For Schedule 80 Nipples, Add</i>	8.94	



	<b>Plumbing</b>	<b>22</b>
	<b>Plumbing Piping</b>	<b>22 10</b>
	<b>Facility Water Distribution</b>	<b>22 11</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0252 EA 1/2" x 6" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Nipples, Add</i>	19.27 -0.71 4.36 5.42	9.65
22 11 16 00-0253 EA 3/4" x 6" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Nipples, Add</i>	20.69 -0.93 4.36 7.03	9.65
22 11 16 00-0254 EA 1" x 6" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Nipples, Add</i>	23.74 -1.22 4.69 9.23	10.47
22 11 16 00-0255 EA 1-1/4" x 6" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Nipples, Add</i>	27.20 -1.54 5.08 11.70	11.29
22 11 16 00-0256 EA 1-1/2" x 6" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Nipples, Add</i>	29.23 -1.84 5.08 14.01	11.29
22 11 16 00-0257 EA 2" x 6" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Nipples, Add</i>	38.93 -2.56 6.56 19.46	14.53
22 11 16 00-0258 EA 2-1/2" x 6" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Nipples, Add</i>	64.13 -5.55 8.13 42.20	18.09
22 11 16 00-0259 EA 3" x 6" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Nipples, Add</i>	82.22 -7.41 9.84 56.35	21.86
22 11 16 00-0260 EA 4" x 6" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Nipples, Add</i>	105.31 -10.01 11.57 76.10	25.73
22 11 16 00-0261 EA 3/8" x 8" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Nipples, Add</i>	45.84 -4.70 4.36 35.70	9.65
22 11 16 00-0262 EA 1/2" x 8" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Nipples, Add</i>	22.89 -1.26 4.36 9.54	9.65
22 11 16 00-0263 EA 3/4" x 8" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Nipples, Add</i>	25.22 -1.61 4.36 12.20	9.65
22 11 16 00-0264 EA 1" x 8" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Nipples, Add</i>	29.20 -2.03 4.69 15.46	10.47
22 11 16 00-0265 EA 1-1/4" x 8" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Nipples, Add</i>	33.57 -2.49 5.08 18.96	11.29
22 11 16 00-0266 EA 1-1/2" x 8" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Nipples, Add</i>	36.01 -2.86 5.08 21.74	11.29
22 11 16 00-0267 EA 2" x 8" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Nipples, Add</i>	49.67 -4.17 6.56 31.70	14.53
22 11 16 00-0268 EA 2-1/2" x 8" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Nipples, Add</i>	74.76 -7.15 8.13 54.32	18.09
22 11 16 00-0269 EA 3" x 8" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Nipples, Add</i>	99.39 -9.99 9.84 75.92	21.86
22 11 16 00-0270 EA 4" x 8" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Nipples, Add</i>	118.21 -11.95 11.57 90.80	25.73
22 11 16 00-0271 EA 3/8" x 10" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Nipples, Add</i>	29.46 -2.24 4.36 17.03	9.65
22 11 16 00-0272 EA 1/2" x 10" Long, Schedule 40 Galvanized Steel Nipple ..... <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 Nipples, Add</i>	24.46 -1.49 4.36 11.33	9.65

**22 Plumbing**  
**22 10 Plumbing Piping**  
**22 11 Facility Water Distribution**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0273	EA		3/4" x 10" Long, Schedule 40 Galvanized Steel Nipple.....	26.40	9.65
			<i>For ASTM 120, Deduct</i>	-1.78	
			<i>For Work In Restricted Working Space, Add</i>	4.36	
			<i>For Schedule 80 Nipples, Add</i>	13.54	
22 11 16 00-0274	EA		1" x 10" Long, Schedule 40 Galvanized Steel Nipple.....	31.14	10.47
			<i>For ASTM 120, Deduct</i>	-2.33	
			<i>For Work In Restricted Working Space, Add</i>	4.69	
			<i>For Schedule 80 Nipples, Add</i>	17.67	
22 11 16 00-0275	EA		1-1/4" x 10" Long, Schedule 40 Galvanized Steel Nipple .....	36.82	11.29
			<i>For ASTM 120, Deduct</i>	-2.98	
			<i>For Work In Restricted Working Space, Add</i>	5.08	
			<i>For Schedule 80 Nipples, Add</i>	22.66	
22 11 16 00-0276	EA		1-1/2" x 10" Long, Schedule 40 Galvanized Steel Nipple .....	39.17	11.29
			<i>For ASTM 120, Deduct</i>	-3.33	
			<i>For Work In Restricted Working Space, Add</i>	5.08	
			<i>For Schedule 80 Nipples, Add</i>	25.34	
22 11 16 00-0277	EA		2" x 10" Long, Schedule 40 Galvanized Steel Nipple.....	54.40	14.53
			<i>For ASTM 120, Deduct</i>	-4.88	
			<i>For Work In Restricted Working Space, Add</i>	6.56	
			<i>For Schedule 80 Nipples, Add</i>	37.10	
22 11 16 00-0278	EA		2-1/2" x 10" Long, Schedule 40 Galvanized Steel Nipple .....	81.42	18.09
			<i>For ASTM 120, Deduct</i>	-8.15	
			<i>For Work In Restricted Working Space, Add</i>	8.13	
			<i>For Schedule 80 Nipples, Add</i>	61.91	
22 11 16 00-0279	EA		3" x 10" Long, Schedule 40 Galvanized Steel Nipple.....	108.77	21.86
			<i>For ASTM 120, Deduct</i>	-11.40	
			<i>For Work In Restricted Working Space, Add</i>	9.84	
			<i>For Schedule 80 Nipples, Add</i>	86.62	
22 11 16 00-0280	EA		4" x 10" Long, Schedule 40 Galvanized Steel Nipple.....	130.87	25.73
			<i>For ASTM 120, Deduct</i>	-13.85	
			<i>For Work In Restricted Working Space, Add</i>	11.57	
			<i>For Schedule 80 Nipples, Add</i>	105.23	
22 11 16 00-0281	EA		3/8" x 12" Long, Schedule 40 Galvanized Steel Nipple.....	31.07	9.65
			<i>For ASTM 120, Deduct</i>	-2.48	
			<i>For Work In Restricted Working Space, Add</i>	4.36	
			<i>For Schedule 80 Nipples, Add</i>	18.87	
22 11 16 00-0282	EA		1/2" x 12" Long, Schedule 40 Galvanized Steel Nipple.....	25.83	9.65
			<i>For ASTM 120, Deduct</i>	-1.70	
			<i>For Work In Restricted Working Space, Add</i>	4.36	
			<i>For Schedule 80 Nipples, Add</i>	12.89	
22 11 16 00-0283	EA		3/4" x 12" Long, Schedule 40 Galvanized Steel Nipple.....	27.84	9.65
			<i>For ASTM 120, Deduct</i>	-2.00	
			<i>For Work In Restricted Working Space, Add</i>	4.36	
			<i>For Schedule 80 Nipples, Add</i>	15.18	
22 11 16 00-0284	EA		1" x 12" Long, Schedule 40 Galvanized Steel Nipple.....	33.69	10.47
			<i>For ASTM 120, Deduct</i>	-2.71	
			<i>For Work In Restricted Working Space, Add</i>	4.69	
			<i>For Schedule 80 Nipples, Add</i>	20.58	
22 11 16 00-0285	EA		1-1/4" x 12" Long, Schedule 40 Galvanized Steel Nipple .....	40.81	11.29
			<i>For ASTM 120, Deduct</i>	-3.58	
			<i>For Work In Restricted Working Space, Add</i>	5.08	
			<i>For Schedule 80 Nipples, Add</i>	27.21	
22 11 16 00-0286	EA		1-1/2" x 12" Long, Schedule 40 Galvanized Steel Nipple .....	42.38	11.29
			<i>For ASTM 120, Deduct</i>	-3.82	
			<i>For Work In Restricted Working Space, Add</i>	5.08	
			<i>For Schedule 80 Nipples, Add</i>	29.00	
22 11 16 00-0287	EA		2" x 12" Long, Schedule 40 Galvanized Steel Nipple.....	59.20	14.53
			<i>For ASTM 120, Deduct</i>	-5.60	
			<i>For Work In Restricted Working Space, Add</i>	6.56	
			<i>For Schedule 80 Nipples, Add</i>	42.57	
22 11 16 00-0288	EA		2-1/2" x 12" Long, Schedule 40 Galvanized Steel Nipple .....	87.88	18.09
			<i>For ASTM 120, Deduct</i>	-9.12	
			<i>For Work In Restricted Working Space, Add</i>	8.13	
			<i>For Schedule 80 Nipples, Add</i>	69.28	
22 11 16 00-0289	EA		3" x 12" Long, Schedule 40 Galvanized Steel Nipple.....	118.22	21.86
			<i>For ASTM 120, Deduct</i>	-12.81	
			<i>For Work In Restricted Working Space, Add</i>	9.84	
			<i>For Schedule 80 Nipples, Add</i>	97.39	
22 11 16 00-0290	EA		4" x 12" Long, Schedule 40 Galvanized Steel Nipple.....	143.65	25.73
			<i>For ASTM 120, Deduct</i>	-15.76	
			<i>For Work In Restricted Working Space, Add</i>	11.57	
			<i>For Schedule 80 Nipples, Add</i>	119.80	
22 11 16 00-0291			<b>Galvanized Malleable Iron Square Head Plugs (22 11 16 00-0013)</b>		
22 11 16 00-0292	EA		1/2", 150 LB, Galvanized Malleable Iron Square Head Plug.....	17.71	7.22
			<i>For Work In Restricted Working Space, Add</i>	3.25	
			<i>For 300 LB Rating, Add</i>	24.01	
22 11 16 00-0293	EA		3/4", 150 LB, Galvanized Malleable Iron Square Head Plug.....	19.00	8.13
			<i>For Work In Restricted Working Space, Add</i>	3.64	
			<i>For 300 LB Rating, Add</i>	24.09	
22 11 16 00-0294	EA		1", 150 LB, Galvanized Malleable Iron Square Head Plug.....	21.09	9.05
			<i>For Work In Restricted Working Space, Add</i>	4.07	
			<i>For 300 LB Rating, Add</i>	26.45	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0295 EA 1-1/4", 150 LB, Galvanized Malleable Iron Square Head Plug ..... <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i>	26.93 4.60 40.33	10.27
22 11 16 00-0296 EA 1-1/2", 150 LB, Galvanized Malleable Iron Square Head Plug ..... <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i>	32.91 5.19 54.11	11.49
22 11 16 00-0297 EA 2", 150 LB, Galvanized Malleable Iron Square Head Plug ..... <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i>	41.83 6.59 68.81	14.63
22 11 16 00-0298 EA 2-1/2", 150 LB, Galvanized Malleable Iron Square Head Plug ..... <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i>	71.25 9.76 133.60	21.65
22 11 16 00-0299 EA 3", 150 LB, Galvanized Malleable Iron Square Head Plug ..... <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i>	97.75 12.84 189.36	28.56
22 11 16 00-0300 EA 4", 150 LB, Galvanized Malleable Iron Square Head Plug ..... <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i>	159.04 13.49 390.50	29.97
22 11 16 00-0301 EA 5", 150 LB, Galvanized Malleable Iron Square Head Plug ..... <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i>	256.21 14.08 714.33	31.32
22 11 16 00-0302 EA 6", 150 LB, Galvanized Malleable Iron Square Head Plug ..... <i>For Work In Restricted Working Space, Add</i> <i>For 300 LB Rating, Add</i>	275.30 14.72 772.13	32.67
<b>22 11 16 00-0303 Galvanized Malleable Iron Bushing</b> <small>(22 11 16 00-0013)</small>		
22 11 16 00-0304 EA 3/4" x 1/2", 150 LB, Galvanized Malleable Iron Bushing ..... <i>For Work In Restricted Working Space, Add</i>	43.01 8.62	19.11
22 11 16 00-0305 EA 1" x 1/2", 150 LB, Galvanized Malleable Iron Bushing ..... <i>For Work In Restricted Working Space, Add</i>	47.58 9.15	20.33
22 11 16 00-0306 EA 1" x 3/4", 150 LB, Galvanized Malleable Iron Bushing ..... <i>For Work In Restricted Working Space, Add</i>	48.30 9.63	21.44
22 11 16 00-0307 EA 1-1/4" x 1/2", 150 LB, Galvanized Malleable Iron Bushing ..... <i>For Work In Restricted Working Space, Add</i>	56.66 9.82	21.86
22 11 16 00-0308 EA 1-1/4" x 3/4", 150 LB, Galvanized Malleable Iron Bushing ..... <i>For Work In Restricted Working Space, Add</i>	56.10 10.30	22.88
22 11 16 00-0309 EA 1-1/4" x 1", 150 LB, Galvanized Malleable Iron Bushing ..... <i>For Work In Restricted Working Space, Add</i>	57.88 10.84	24.09
22 11 16 00-0310 EA 1-1/2" x 1/2", 150 LB, Galvanized Malleable Iron Bushing ..... <i>For Work In Restricted Working Space, Add</i>	66.80 10.55	23.48
22 11 16 00-0311 EA 1-1/2" x 3/4", 150 LB, Galvanized Malleable Iron Bushing ..... <i>For Work In Restricted Working Space, Add</i>	68.41 11.04	24.50
22 11 16 00-0312 EA 1-1/2" x 1", 150 LB, Galvanized Malleable Iron Bushing ..... <i>For Work In Restricted Working Space, Add</i>	67.08 11.57	25.72
22 11 16 00-0313 EA 1-1/2" x 1-1/4", 150 LB, Galvanized Malleable Iron Bushing ..... <i>For Work In Restricted Working Space, Add</i>	67.11 12.24	27.24
22 11 16 00-0314 EA 2" x 1/2", 150 LB, Galvanized Malleable Iron Bushing ..... <i>For Work In Restricted Working Space, Add</i>	80.52 12.31	27.34
22 11 16 00-0315 EA 2" x 3/4", 150 LB, Galvanized Malleable Iron Bushing ..... <i>For Work In Restricted Working Space, Add</i>	79.38 12.79	28.46
22 11 16 00-0316 EA 2" x 1", 150 LB, Galvanized Malleable Iron Bushing ..... <i>For Work In Restricted Working Space, Add</i>	79.15 13.32	29.58
22 11 16 00-0317 EA 2" x 1-1/4", 150 LB, Galvanized Malleable Iron Bushing ..... <i>For Work In Restricted Working Space, Add</i>	81.39 14.00	31.11
22 11 16 00-0318 EA 2" x 1-1/2", 150 LB, Galvanized Malleable Iron Bushing ..... <i>For Work In Restricted Working Space, Add</i>	79.57 14.73	32.73
22 11 16 00-0319 EA 2-1/2" x 3/4", 150 LB, Galvanized Malleable Iron Bushing ..... <i>For Work In Restricted Working Space, Add</i>	112.98 16.75	37.21
22 11 16 00-0320 EA 2-1/2" x 1", 150 LB, Galvanized Malleable Iron Bushing ..... <i>For Work In Restricted Working Space, Add</i>	114.74 17.28	38.43
22 11 16 00-0321 EA 2-1/2" x 1-1/4", 150 LB, Galvanized Malleable Iron Bushing ..... <i>For Work In Restricted Working Space, Add</i>	116.98 17.95	39.85
22 11 16 00-0322 EA 2-1/2" x 1-1/2", 150 LB, Galvanized Malleable Iron Bushing ..... <i>For Work In Restricted Working Space, Add</i>	118.37 18.69	41.58
22 11 16 00-0323 EA 2-1/2" x 2", 150 LB, Galvanized Malleable Iron Bushing ..... <i>For Work In Restricted Working Space, Add</i>	117.82 20.44	45.44
22 11 16 00-0324 EA 3" x 3/4", 150 LB, Galvanized Malleable Iron Bushing ..... <i>For Work In Restricted Working Space, Add</i>	144.11 20.60	45.74
22 11 16 00-0325 EA 3" x 1", 150 LB, Galvanized Malleable Iron Bushing ..... <i>For Work In Restricted Working Space, Add</i>	145.87 21.13	46.96
22 11 16 00-0326 EA 3" x 1-1/4", 150 LB, Galvanized Malleable Iron Bushing ..... <i>For Work In Restricted Working Space, Add</i>	148.11 21.80	48.48
22 11 16 00-0327 EA 3" x 1-1/2", 150 LB, Galvanized Malleable Iron Bushing ..... <i>For Work In Restricted Working Space, Add</i>	149.08 22.54	50.11
22 11 16 00-0328 EA 3" x 2", 150 LB, Galvanized Malleable Iron Bushing ..... <i>For Work In Restricted Working Space, Add</i>	148.02 24.29	53.97
22 11 16 00-0329 EA 3" x 2-1/2", 150 LB, Galvanized Malleable Iron Bushing ..... <i>For Work In Restricted Working Space, Add</i>	165.09 28.25	62.82
22 11 16 00-0330 EA 4" x 3/4", 150 LB, Galvanized Malleable Iron Bushing ..... <i>For Work In Restricted Working Space, Add</i>	228.70 21.19	47.04
22 11 16 00-0331 EA 4" x 1", 150 LB, Galvanized Malleable Iron Bushing ..... <i>For Work In Restricted Working Space, Add</i>	230.37 21.69	48.19



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0332 EA 4" x 1-1/4", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	232.49 22.32	49.64
22 11 16 00-0333 EA 4" x 1-1/2", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	234.81 23.02	51.18
22 11 16 00-0334 EA 4" x 2", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	221.74 24.68	54.84
22 11 16 00-0335 EA 4" x 2-1/2", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	252.86 28.43	63.23
22 11 16 00-0336 EA 4" x 3", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	254.59 32.09	71.32
<b>22 11 16 00-0337 Galvanized Malleable Iron Floor Flange</b> <small>(22 11 16 00-0013)</small> Note: Excludes fasteners to floor or wall. See CSI section 05 05 19 00-0013 for anchors.		
22 11 16 00-0338 EA 1/2", 150 LB, Galvanized Malleable Iron Floor Flange.....	63.09	37.15
22 11 16 00-0339 EA 3/4", 150 LB, Galvanized Malleable Iron Floor Flange.....	68.96	40.66
22 11 16 00-0340 EA 1", 150 LB, Galvanized Malleable Iron Floor Flange.....	79.26	45.94
22 11 16 00-0341 EA 1-1/4", 150 LB, Galvanized Malleable Iron Floor Flange.....	82.40	47.58
22 11 16 00-0342 EA 1-1/2", 150 LB, Galvanized Malleable Iron Floor Flange.....	89.67	51.74
22 11 16 00-0343 EA 2", 150 LB, Galvanized Malleable Iron Floor Flange.....	96.73	53.97
<b>22 11 16 00-0344 Galvanized Cast Iron Flanges</b> <small>(22 11 16 00-0013)</small> Note: Excludes bolt and gasket sets		
22 11 16 00-0345 EA 3/4", 125 LB, Galvanized Cast Iron Flange..... <i>For Work In Restricted Working Space, Add</i>	123.13 18.30	40.66
22 11 16 00-0346 EA 1", 125 LB, Galvanized Cast Iron Flange..... <i>For Work In Restricted Working Space, Add</i>	117.03 20.67	45.94
22 11 16 00-0347 EA 1-1/4", 125 LB, Galvanized Cast Iron Flange..... <i>For Work In Restricted Working Space, Add</i>	96.76 21.40	47.58
22 11 16 00-0348 EA 1-1/2", 125 LB, Galvanized Cast Iron Flange..... <i>For Work In Restricted Working Space, Add</i>	115.15 23.28	51.74
22 11 16 00-0349 EA 2", 125 LB, Galvanized Cast Iron Flange..... <i>For Work In Restricted Working Space, Add</i>	130.68 24.29	53.97
22 11 16 00-0350 EA 2-1/2", 125 LB, Galvanized Cast Iron Flange..... <i>For Work In Restricted Working Space, Add</i>	151.81 28.10	62.51
22 11 16 00-0351 EA 3", 125 LB, Galvanized Cast Iron Flange..... <i>For Work In Restricted Working Space, Add</i>	275.87 35.66	79.29
22 11 16 00-0352 EA 4", 125 LB, Galvanized Cast Iron Flange..... <i>For Work In Restricted Working Space, Add</i>	368.02 46.25	102.85
22 11 16 00-0353 EA 5", 125 LB, Galvanized Cast Iron Flange..... <i>For Work In Restricted Working Space, Add</i>	519.27 55.06	122.41
22 11 16 00-0354 EA 6", 125 LB, Galvanized Cast Iron Flange..... <i>For Work In Restricted Working Space, Add</i>	569.68 63.25	140.63
22 11 16 00-0355 EA 8", 125 LB, Galvanized Cast Iron Flange..... <i>For Work In Restricted Working Space, Add</i>	521.52 72.29	160.72
<b>22 11 16 00-0356 Cut And Thread Existing In-Place Galvanized Steel Pipe</b> <small>(22 11 16 00-0013)</small> Note: For use when connecting pipe to an existing in-place system.		
22 11 16 00-0357 EA 1/2", Cut And Thread Existing In Place Galvanized Steel Pipe..... <i>For Work In Restricted Working Space, Add</i>	33.12 9.94	
22 11 16 00-0358 EA 3/4", Cut And Thread Existing In Place Galvanized Steel Pipe..... <i>For Work In Restricted Working Space, Add</i>	36.42 10.93	
22 11 16 00-0359 EA 1", Cut And Thread Existing In Place Galvanized Steel Pipe..... <i>For Work In Restricted Working Space, Add</i>	39.74 11.92	
22 11 16 00-0360 EA 1-1/4", Cut And Thread Existing In Place Galvanized Steel Pipe..... <i>For Work In Restricted Working Space, Add</i>	43.05 12.92	
22 11 16 00-0361 EA 1-1/2", Cut And Thread Existing In Place Galvanized Steel Pipe..... <i>For Work In Restricted Working Space, Add</i>	45.25 13.58	
22 11 16 00-0362 EA 2", Cut And Thread Existing In Place Galvanized Steel Pipe..... <i>For Work In Restricted Working Space, Add</i>	47.46 14.24	
22 11 16 00-0363 EA 2-1/2", Cut And Thread Existing In Place Galvanized Steel Pipe..... <i>For Work In Restricted Working Space, Add</i>	49.68 14.90	
22 11 16 00-0364 EA 3", Cut And Thread Existing In Place Galvanized Steel Pipe..... <i>For Work In Restricted Working Space, Add</i>	51.88 15.56	
22 11 16 00-0365 EA 4", Cut And Thread Existing In Place Galvanized Steel Pipe..... <i>For Work In Restricted Working Space, Add</i>	54.09 16.23	
22 11 16 00-0366 EA 6", Cut And Thread Existing In Place Galvanized Steel Pipe..... <i>For Work In Restricted Working Space, Add</i>	58.50 17.55	
22 11 16 00-0367 EA 8", Cut And Thread Existing In Place Galvanized Steel Pipe..... <i>For Work In Restricted Working Space, Add</i>	62.91 18.87	
<b>22 11 16 00-0368 Copper Pipe And Fittings</b> <small>(22 11 16)</small> Note: Excludes hangers. See CSI section 22 11 16 00-0899 for pipe with fittings assembly.		
<b>22 11 16 00-0369 Copper Tube/Pipe</b> <small>(22 11 16 00-0368)</small> Note: Pipe based on inside diameter size. Excludes hangers and fittings (couplers, tees, elbows, etc).		
<b>22 11 16 00-0370 Hard Drawn Type L Copper Tube/Pipe</b> <small>(22 11 16 00-0369)</small>		



<b>Plumbing</b>	<b>22</b>	<b>22</b>
<b>Plumbing Piping</b>	<b>22 10</b>	
<b>Facility Water Distribution</b>	<b>22 11</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0371 LF 1/4" Hard Drawn Type L Copper Tube/Pipe .....	5.28	2.49
For Up To 20, Add	0.57	
For >150, Deduct	-0.16	
For Work In Restricted Working Space, Add	1.12	
For Medical/Oxygen Service Tubing, Add	0.12	
22 11 16 00-0372 LF 3/8" Hard Drawn Type L Copper Tube/Pipe .....	6.16	2.58
For Up To 20, Add	0.67	
For >150, Deduct	-0.23	
For Work In Restricted Working Space, Add	1.16	
For Medical/Oxygen Service Tubing, Add	0.18	
22 11 16 00-0373 LF 1/2" Hard Drawn Type L Copper Tube/Pipe .....	6.76	2.69
For Up To 20, Add	0.74	
For >150, Deduct	-0.27	
For Work In Restricted Working Space, Add	1.21	
For Medical/Oxygen Service Tubing, Add	0.22	
22 11 16 00-0374 LF 3/4" Hard Drawn Type L Copper Tube/Pipe .....	8.71	2.86
For Up To 20, Add	0.98	
For >150, Deduct	-0.44	
For Work In Restricted Working Space, Add	1.29	
For Medical/Oxygen Service Tubing, Add	0.35	
22 11 16 00-0375 LF 1" Hard Drawn Type L Copper Tube/Pipe .....	11.20	3.21
For Up To 20, Add	1.28	
For >150, Deduct	-0.64	
For Work In Restricted Working Space, Add	1.44	
For Medical/Oxygen Service Tubing, Add	0.51	
22 11 16 00-0376 LF 1-1/4" Hard Drawn Type L Copper Tube/Pipe .....	15.97	4.78
For Up To 20, Add	1.82	
For >150, Deduct	-0.88	
For Work In Restricted Working Space, Add	2.15	
For Medical/Oxygen Service Tubing, Add	0.70	
22 11 16 00-0377 LF 1-1/2" Hard Drawn Type L Copper Tube/Pipe .....	19.33	5.33
For Up To 20, Add	2.22	
For >150, Deduct	-1.13	
For Work In Restricted Working Space, Add	2.40	
For Medical/Oxygen Service Tubing, Add	0.91	
22 11 16 00-0378 LF 2" Hard Drawn Type L Copper Tube/Pipe .....	27.79	6.58
For Up To 20, Add	3.23	
For >150, Deduct	-1.79	
For Work In Restricted Working Space, Add	2.96	
For Medical/Oxygen Service Tubing, Add	1.43	
22 11 16 00-0379 LF 2-1/2" Hard Drawn Type L Copper Tube/Pipe .....	49.14	7.74
For Up To 20, Add	5.56	
For >150, Deduct	-2.59	
For Work In Restricted Working Space, Add	6.97	
For Medical/Oxygen Service Tubing, Add	2.07	
22 11 16 00-0380 LF 3" Hard Drawn Type L Copper Tube/Pipe .....	61.88	9.12
For Up To 20, Add	7.05	
For >150, Deduct	-3.46	
For Work In Restricted Working Space, Add	8.20	
For Medical/Oxygen Service Tubing, Add	2.76	
22 11 16 00-0381 LF 4" Hard Drawn Type L Copper Tube/Pipe .....	92.41	10.29
For Up To 20, Add	10.78	
For >150, Deduct	-6.16	
For Work In Restricted Working Space, Add	9.25	
For Medical/Oxygen Service Tubing, Add	4.93	
22 11 16 00-0382 LF 5" Hard Drawn Type L Copper Tube/Pipe .....	144.17	11.81
For Up To 20, Add	17.14	
For >150, Deduct	-10.87	
For Work In Restricted Working Space, Add	10.63	
For Medical/Oxygen Service Tubing, Add	8.70	
22 11 16 00-0383 LF 6" Hard Drawn Type L Copper Tube/Pipe .....	197.95	18.31
For Up To 20, Add	23.37	
For >150, Deduct	-14.31	
For Work In Restricted Working Space, Add	16.47	
For Medical/Oxygen Service Tubing, Add	11.44	
22 11 16 00-0384 LF 8" Hard Drawn Type L Copper Tube/Pipe .....	330.64	20.35
For Up To 20, Add	39.80	
For >150, Deduct	-26.96	
For Work In Restricted Working Space, Add	18.31	
For Medical/Oxygen Service Tubing, Add	21.57	
<b>22 11 16 00-0385 Hard Drawn Type K Copper Tube/Pipe (22 11 16 00-0369)</b>		
22 11 16 00-0386 LF 1/4" Hard Drawn Type K Copper Tube/Pipe .....	5.75	2.67
For Up To 20, Add	0.62	
For >150, Deduct	-0.18	
For Work In Restricted Working Space, Add	1.20	
For Medical/Oxygen Service Tubing, Add	0.14	
22 11 16 00-0387 LF 3/8" Hard Drawn Type K Copper Tube/Pipe .....	7.72	2.78
For Up To 20, Add	0.85	
For >150, Deduct	-0.32	
For Work In Restricted Working Space, Add	1.37	
For Medical/Oxygen Service Tubing, Add	0.25	

**22 Plumbing**  
**22 10 Plumbing Piping**  
**22 11 Facility Water Distribution**



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0388	LF	1/2" Hard Drawn Type K Copper Tube/Pipe	8.16	2.89
		<i>For Up To 20, Add</i>	0.91	
		<i>For &gt;150, Deduct</i>	-0.37	
		<i>For Work In Restricted Working Space, Add</i>	1.34	
		<i>For Medical/Oxygen Service Tubing, Add</i>	0.30	
22 11 16 00-0389	LF	3/4" Hard Drawn Type K Copper Tube/Pipe	11.83	3.07
		<i>For Up To 20, Add</i>	1.35	
		<i>For &gt;150, Deduct</i>	-0.67	
		<i>For Work In Restricted Working Space, Add</i>	1.55	
		<i>For Medical/Oxygen Service Tubing, Add</i>	0.53	
22 11 16 00-0390	LF	1" Hard Drawn Type K Copper Tube/Pipe	14.35	3.45
		<i>For Up To 20, Add</i>	1.66	
		<i>For &gt;150, Deduct</i>	-0.89	
		<i>For Work In Restricted Working Space, Add</i>	1.65	
		<i>For Medical/Oxygen Service Tubing, Add</i>	0.71	
22 11 16 00-0391	LF	1-1/4" Hard Drawn Type K Copper Tube/Pipe	18.82	5.14
		<i>For Up To 20, Add</i>	2.16	
		<i>For &gt;150, Deduct</i>	-1.10	
		<i>For Work In Restricted Working Space, Add</i>	2.34	
		<i>For Medical/Oxygen Service Tubing, Add</i>	0.88	
22 11 16 00-0392	LF	1-1/2" Hard Drawn Type K Copper Tube/Pipe	22.88	5.73
		<i>For Up To 20, Add</i>	2.64	
		<i>For &gt;150, Deduct</i>	-1.41	
		<i>For Work In Restricted Working Space, Add</i>	2.63	
		<i>For Medical/Oxygen Service Tubing, Add</i>	1.13	
22 11 16 00-0393	LF	2" Hard Drawn Type K Copper Tube/Pipe	32.44	7.07
		<i>For Up To 20, Add</i>	3.79	
		<i>For &gt;150, Deduct</i>	-2.17	
		<i>For Work In Restricted Working Space, Add</i>	3.22	
		<i>For Medical/Oxygen Service Tubing, Add</i>	1.74	
22 11 16 00-0394	LF	2-1/2" Hard Drawn Type K Copper Tube/Pipe	55.68	8.31
		<i>For Up To 20, Add</i>	6.38	
		<i>For &gt;150, Deduct</i>	-3.23	
		<i>For Work In Restricted Working Space, Add</i>	7.00	
		<i>For Medical/Oxygen Service Tubing, Add</i>	2.59	
22 11 16 00-0395	LF	3" Hard Drawn Type K Copper Tube/Pipe	74.29	9.80
		<i>For Up To 20, Add</i>	8.53	
		<i>For &gt;150, Deduct</i>	-4.42	
		<i>For Work In Restricted Working Space, Add</i>	9.02	
		<i>For Medical/Oxygen Service Tubing, Add</i>	3.54	
22 11 16 00-0396	LF	4" Hard Drawn Type K Copper Tube/Pipe	112.88	11.05
		<i>For Up To 20, Add</i>	13.26	
		<i>For &gt;150, Deduct</i>	-7.88	
		<i>For Work In Restricted Working Space, Add</i>	10.22	
		<i>For Medical/Oxygen Service Tubing, Add</i>	6.30	
22 11 16 00-0397	LF	5" Hard Drawn Type K Copper Tube/Pipe	184.63	12.70
		<i>For Up To 20, Add</i>	22.07	
		<i>For &gt;150, Deduct</i>	-14.44	
		<i>For Work In Restricted Working Space, Add</i>	12.07	
		<i>For Medical/Oxygen Service Tubing, Add</i>	11.55	
22 11 16 00-0398	LF	6" Hard Drawn Type K Copper Tube/Pipe	272.04	19.68
		<i>For Up To 20, Add</i>	32.38	
		<i>For &gt;150, Deduct</i>	-20.72	
		<i>For Work In Restricted Working Space, Add</i>	19.46	
		<i>For Medical/Oxygen Service Tubing, Add</i>	16.58	
22 11 16 00-0399	LF	8" Hard Drawn Type K Copper Tube/Pipe	459.42	21.88
		<i>For Up To 20, Add</i>	55.64	
		<i>For &gt;150, Deduct</i>	-38.80	
		<i>For Work In Restricted Working Space, Add</i>	21.44	
		<i>For Medical/Oxygen Service Tubing, Add</i>	31.04	
22 11 16 00-0400		<b>Hard Drawn Type M Copper Tube/Pipe</b> <small>(22 11 16 00-0369)</small>		
22 11 16 00-0401	LF	3/8" Hard Drawn Type M Copper Tube/Pipe	5.14	2.33
		<i>For Up To 20, Add</i>	0.56	
		<i>For &gt;150, Deduct</i>	-0.18	
		<i>For Work In Restricted Working Space, Add</i>	1.01	
22 11 16 00-0402	LF	1/2" Hard Drawn Type M Copper Tube/Pipe	5.46	2.43
		<i>For Up To 20, Add</i>	0.60	
		<i>For &gt;150, Deduct</i>	-0.20	
		<i>For Work In Restricted Working Space, Add</i>	1.04	
22 11 16 00-0403	LF	3/4" Hard Drawn Type M Copper Tube/Pipe	6.93	2.57
		<i>For Up To 20, Add</i>	0.77	
		<i>For &gt;150, Deduct</i>	-0.32	
		<i>For Work In Restricted Working Space, Add</i>	1.11	
22 11 16 00-0404	LF	1" Hard Drawn Type M Copper Tube/Pipe	9.11	2.89
		<i>For Up To 20, Add</i>	1.04	
		<i>For &gt;150, Deduct</i>	-0.50	
		<i>For Work In Restricted Working Space, Add</i>	1.24	
22 11 16 00-0405	LF	1-1/4" Hard Drawn Type M Copper Tube/Pipe	13.62	4.30
		<i>For Up To 20, Add</i>	1.54	
		<i>For &gt;150, Deduct</i>	-0.73	
		<i>For Work In Restricted Working Space, Add</i>	1.91	





<b>Plumbing</b>	<b>22</b>	<b>22</b>
<b>Plumbing Piping</b>	<b>22 10</b>	
<b>Facility Water Distribution</b>	<b>22 11</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0406 LF 1-1/2" Hard Drawn Type M Copper Tube/Pipe .....	17.31	4.80
For Up To 20, Add	1.98	
For >150, Deduct	-1.00	
For Work In Restricted Working Space, Add	2.19	
22 11 16 00-0407 LF 2" Hard Drawn Type M Copper Tube/Pipe .....	24.81	5.91
For Up To 20, Add	2.88	
For >150, Deduct	-1.58	
For Work In Restricted Working Space, Add	2.71	
22 11 16 00-0408 LF 2-1/2" Hard Drawn Type M Copper Tube/Pipe .....	44.84	6.96
For Up To 20, Add	5.06	
For >150, Deduct	-2.29	
For Work In Restricted Working Space, Add	6.59	
22 11 16 00-0409 LF 3" Hard Drawn Type M Copper Tube/Pipe .....	55.09	8.20
For Up To 20, Add	6.27	
For >150, Deduct	-3.04	
For Work In Restricted Working Space, Add	7.40	
22 11 16 00-0410 LF 4" Hard Drawn Type M Copper Tube/Pipe .....	85.77	9.26
For Up To 20, Add	10.00	
For >150, Deduct	-5.70	
For Work In Restricted Working Space, Add	8.63	
22 11 16 00-0411 LF 5" Hard Drawn Type M Copper Tube/Pipe .....	143.86	10.63
For Up To 20, Add	17.15	
For >150, Deduct	-11.06	
For Work In Restricted Working Space, Add	9.97	
22 11 16 00-0412 LF 6" Hard Drawn Type M Copper Tube/Pipe .....	199.27	16.48
For Up To 20, Add	23.62	
For >150, Deduct	-14.78	
For Work In Restricted Working Space, Add	15.44	
22 11 16 00-0413 LF 8" Hard Drawn Type M Copper Tube/Pipe .....	336.71	18.32
For Up To 20, Add	40.67	
For >150, Deduct	-28.01	
For Work In Restricted Working Space, Add	16.98	
<b>22 11 16 00-0414 Soft Drawn Type L Copper Tube (22 11 16 00-0369)</b>		
22 11 16 00-0415 LF 1/4" Soft Drawn Type L Copper Tube .....	5.73	2.49
For Up To 20, Add	0.62	
For >150, Deduct	-0.20	
For Work In Restricted Working Space, Add	1.12	
22 11 16 00-0416 LF 3/8" Soft Drawn Type L Copper Tube .....	7.00	2.58
For Up To 20, Add	0.78	
For >150, Deduct	-0.31	
For Work In Restricted Working Space, Add	1.16	
22 11 16 00-0417 LF 1/2" Soft Drawn Type L Copper Tube .....	8.23	2.69
For Up To 20, Add	0.93	
For >150, Deduct	-0.42	
For Work In Restricted Working Space, Add	1.21	
22 11 16 00-0418 LF 5/8" Soft Drawn Type L Copper Tube .....	9.55	2.78
For Up To 20, Add	1.09	
For >150, Deduct	-0.54	
For Work In Restricted Working Space, Add	1.25	
22 11 16 00-0419 LF 3/4" Soft Drawn Type L Copper Tube .....	10.71	2.86
For Up To 20, Add	1.23	
For >150, Deduct	-0.64	
For Work In Restricted Working Space, Add	1.29	
22 11 16 00-0420 LF 1" Soft Drawn Type L Copper Tube .....	13.70	3.21
For Up To 20, Add	1.59	
For >150, Deduct	-0.89	
For Work In Restricted Working Space, Add	1.44	
22 11 16 00-0421 LF 1-1/4" Soft Drawn Type L Copper Tube .....	18.86	4.78
For Up To 20, Add	2.18	
For >150, Deduct	-1.17	
For Work In Restricted Working Space, Add	2.15	
22 11 16 00-0422 LF 1-1/2" Soft Drawn Type L Copper Tube .....	23.84	5.33
For Up To 20, Add	2.78	
For >150, Deduct	-1.59	
For Work In Restricted Working Space, Add	2.40	
22 11 16 00-0423 LF 2" Soft Drawn Type L Copper Tube .....	35.07	6.58
For Up To 20, Add	4.14	
For >150, Deduct	-2.52	
For Work In Restricted Working Space, Add	2.96	
<b>22 11 16 00-0424 Soft Drawn Type K Copper Tube (22 11 16 00-0369)</b>		
22 11 16 00-0425 LF 1/4" Soft Drawn Type K Copper Tube .....	5.93	2.49
For Up To 20, Add	0.65	
For >150, Deduct	-0.22	
For Work In Restricted Working Space, Add	1.12	
22 11 16 00-0426 LF 3/8" Soft Drawn Type K Copper Tube .....	7.66	2.58
For Up To 20, Add	0.86	
For >150, Deduct	-0.38	
For Work In Restricted Working Space, Add	1.16	

**22 Plumbing**  
**22 10 Plumbing Piping**  
**22 11 Facility Water Distribution**



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0427 LF 1/2" Soft Drawn Type K Copper Tube..... <i>For Up To 20, Add</i> <i>For &gt;150, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	8.77 1.00 -0.47 1.21	2.69
22 11 16 00-0428 LF 5/8" Soft Drawn Type K Copper Tube..... <i>For Up To 20, Add</i> <i>For &gt;150, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	9.81 1.12 -0.56 1.25	2.78
22 11 16 00-0429 LF 3/4" Soft Drawn Type K Copper Tube..... <i>For Up To 20, Add</i> <i>For &gt;150, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	13.04 1.52 -0.88 1.29	2.86
22 11 16 00-0430 LF 1" Soft Drawn Type K Copper Tube..... <i>For Up To 20, Add</i> <i>For &gt;150, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	16.43 1.93 -1.16 1.44	3.21
22 11 16 00-0431 LF 1-1/4" Soft Drawn Type K Copper Tube ..... <i>For Up To 20, Add</i> <i>For &gt;150, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	20.85 2.43 -1.37 2.15	4.78
22 11 16 00-0432 LF 1-1/2" Soft Drawn Type K Copper Tube ..... <i>For Up To 20, Add</i> <i>For &gt;150, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	27.02 3.18 -1.90 2.40	5.33
22 11 16 00-0433 LF 2" Soft Drawn Type K Copper Tube..... <i>For Up To 20, Add</i> <i>For &gt;150, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	39.44 4.68 -2.96 2.96	6.58
22 11 16 00-0434 LF 2-1/2" Soft Drawn Type K Copper Tube ..... <i>For Up To 20, Add</i> <i>For &gt;150, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	56.19 6.73 -4.44 3.55	7.89
22 11 16 00-0435 LF 3" Soft Drawn Type K Copper Tube..... <i>For Up To 20, Add</i> <i>For &gt;150, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	75.68 9.11 -6.17 4.19	9.31
<b>22 11 16 00-0436 Copper And Brass Fittings</b> (22 11 16 00-0369) Note: All fittings are based on 95/5 solder.		
<b>22 11 16 00-0437 90 Degree Copper Elbows</b> (22 11 16 00-0436)		
22 11 16 00-0438 EA 1/4" 90 Degree Copper Elbow ..... <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Street Fitting, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	26.47 -2.43 3.31 1.76 6.62 3.53	14.73
22 11 16 00-0439 EA 3/8" 90 Degree Copper Elbow ..... <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Street Fitting, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	31.13 -2.88 3.97 1.86 7.95 4.21	17.66
22 11 16 00-0440 EA 1/2" 90 Degree Copper Elbow ..... <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Street Fitting, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	37.92 -3.72 5.46 0.60 10.93 5.54	24.28
22 11 16 00-0441 EA 3/4" 90 Degree Copper Elbow ..... <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Street Fitting, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	48.63 -4.69 6.79 1.35 13.58 6.96	30.25
22 11 16 00-0442 EA 1" 90 Degree Copper Elbow ..... <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Street Fitting, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	62.36 -5.82 8.11 3.31 16.23 8.53	36.10
22 11 16 00-0443 EA 1-1/4" 90 Degree Copper Elbow ..... <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Street Fitting, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	70.87 -6.47 8.78 4.95 17.55 9.39	39.07
22 11 16 00-0444 EA 1-1/2" 90 Degree Copper Elbow ..... <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Street Fitting, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	83.36 -7.37 9.60 7.74 19.21 10.57	42.72



	<b>Plumbing</b>	<b>22</b>
	<b>Plumbing Piping</b>	<b>22 10</b>
	<b>Facility Water Distribution</b>	<b>22 11</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0445 EA 2" 90 Degree Copper Elbow .....	107.00	47.90
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-8.94	
For Brazed Fittings Instead Of 95/5 Solder, Add	10.76	
For Street Fitting, Add	14.10	
For Work In Restricted Working Space, Add	21.52	
For Silver Solder Instead Of 95/5 Solder, Add	12.52	
22 11 16 00-0446 EA 2-1/2" 90 Degree Copper Elbow .....	140.63	48.79
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-10.69	
For Brazed Fittings Instead Of 95/5 Solder, Add	10.98	
For Work In Restricted Working Space, Add	21.96	
For Silver Solder Instead Of 95/5 Solder, Add	14.35	
22 11 16 00-0447 EA 3" 90 Degree Copper Elbow .....	182.53	58.35
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-13.50	
For Brazed Fittings Instead Of 95/5 Solder, Add	13.11	
For Work In Restricted Working Space, Add	26.23	
For Silver Solder Instead Of 95/5 Solder, Add	17.87	
22 11 16 00-0448 EA 4" 90 Degree Copper Elbow .....	354.77	82.75
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-23.94	
For Brazed Fittings Instead Of 95/5 Solder, Add	18.60	
For Work In Restricted Working Space, Add	37.20	
For Silver Solder Instead Of 95/5 Solder, Add	30.14	
22 11 16 00-0449 EA 5" 90 Degree Copper Elbow .....	1,136.46	113.24
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-65.31	
For Brazed Fittings Instead Of 95/5 Solder, Add	25.46	
For Work In Restricted Working Space, Add	50.93	
For Silver Solder Instead Of 95/5 Solder, Add	73.80	
22 11 16 00-0450 EA 6" 90 Degree Copper Elbow .....	1,535.71	164.78
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-89.14	
For Brazed Fittings Instead Of 95/5 Solder, Add	37.05	
For Work In Restricted Working Space, Add	74.10	
For Silver Solder Instead Of 95/5 Solder, Add	101.49	
22 11 16 00-0451 EA 8" 90 Degree Copper Elbow .....	5,096.86	219.67
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-271.31	
For Brazed Fittings Instead Of 95/5 Solder, Add	49.40	
For Work In Restricted Working Space, Add	98.80	
For Silver Solder Instead Of 95/5 Solder, Add	287.78	
<b>22 11 16 00-0452 90 Degree Brass Elbows</b> <small>(22 11 16 00-0436)</small>		
22 11 16 00-0453 EA 1/2" Drop Ear 90 Degree Brass Elbow .....	45.86	24.28
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.11	
For Brazed Fittings Instead Of 95/5 Solder, Add	5.46	
For Work In Restricted Working Space, Add	10.93	
For Silver Solder Instead Of 95/5 Solder, Add	5.94	
22 11 16 00-0454 EA 3/4" Drop Ear 90 Degree Brass Elbow .....	72.78	30.25
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-5.90	
For Brazed Fittings Instead Of 95/5 Solder, Add	6.79	
For Work In Restricted Working Space, Add	13.58	
For Silver Solder Instead Of 95/5 Solder, Add	8.16	
22 11 16 00-0455 EA 1/2" Flanged Sink 90 Degree Brass Elbow .....	53.63	24.28
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.50	
For Brazed Fittings Instead Of 95/5 Solder, Add	5.46	
For Work In Restricted Working Space, Add	10.93	
For Silver Solder Instead Of 95/5 Solder, Add	6.32	
22 11 16 00-0456 EA 3/8" Drop Ear 90 Degree Brass Elbow, Solder X Threaded .....	40.61	17.66
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-3.36	
For Brazed Fittings Instead Of 95/5 Solder, Add	3.97	
For Work In Restricted Working Space, Add	7.95	
For Silver Solder Instead Of 95/5 Solder, Add	4.68	
22 11 16 00-0457 EA 1/2" Drop Ear 90 Degree Brass Elbow, Solder X Threaded .....	46.53	24.28
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.15	
For Brazed Fittings Instead Of 95/5 Solder, Add	5.46	
For Work In Restricted Working Space, Add	10.93	
For Silver Solder Instead Of 95/5 Solder, Add	5.97	
22 11 16 00-0458 EA 3/4" Drop Ear 90 Degree Brass Elbow, Solder X Threaded .....	63.05	30.25
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-5.42	
For Brazed Fittings Instead Of 95/5 Solder, Add	6.79	
For Work In Restricted Working Space, Add	13.58	
For Silver Solder Instead Of 95/5 Solder, Add	7.68	
22 11 16 00-0459 EA 1" Drop Ear 90 Degree Brass Elbow, Solder X Threaded .....	110.91	36.10
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-8.25	
For Brazed Fittings Instead Of 95/5 Solder, Add	8.11	
For Work In Restricted Working Space, Add	16.23	
For Silver Solder Instead Of 95/5 Solder, Add	10.95	
<b>22 11 16 00-0460 Reducing 90 Degree Copper Elbows</b> <small>(22 11 16 00-0436)</small>		
22 11 16 00-0461 EA 1/2" Reducing 90 Degree Copper Elbow .....	48.62	24.28
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.25	
For Brazed Fittings Instead Of 95/5 Solder, Add	5.46	
For Work In Restricted Working Space, Add	10.93	
For Silver Solder Instead Of 95/5 Solder, Add	6.07	

**22 Plumbing**  
**22 10 Plumbing Piping**  
**22 11 Facility Water Distribution**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0462	EA	3/4"	Reducing 90 Degree Copper Elbow ..... <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	53.90 -4.96 6.79 13.58 7.22	30.25
22 11 16 00-0463	EA	1"	Reducing 90 Degree Copper Elbow ..... <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	69.97 -6.20 8.11 16.23 8.91	36.10
22 11 16 00-0464	EA	1-1/4"	Reducing 90 Degree Copper Elbow ..... <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	98.94 -7.87 8.78 17.55 10.80	39.07
22 11 16 00-0465	EA	1-1/2"	Reducing 90 Degree Copper Elbow ..... <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	117.16 -9.06 9.60 19.21 12.26	42.72
22 11 16 00-0466	EA	2"	Reducing 90 Degree Copper Elbow ..... <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	143.26 -10.75 10.76 21.52 14.34	47.90
<b>22 11 16 00-0467 45 Degree Copper Elbows (22 11 16 00-0436)</b>					
22 11 16 00-0468	EA	1/4"	45 Degree Copper Elbow ..... <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Street Fitting, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	30.27 -2.62 3.31 3.28 6.62 3.72	14.73
22 11 16 00-0469	EA	3/8"	45 Degree Copper Elbow ..... <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Street Fitting, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	33.51 -3.00 3.97 2.81 7.95 4.32	17.66
22 11 16 00-0470	EA	1/2"	45 Degree Copper Elbow ..... <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Street Fitting, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	39.18 -3.78 5.46 1.10 10.93 5.60	24.28
22 11 16 00-0471	EA	3/4"	45 Degree Copper Elbow ..... <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Street Fitting, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	49.97 -4.76 6.79 1.89 13.58 7.02	30.25
22 11 16 00-0472	EA	1"	45 Degree Copper Elbow ..... <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Street Fitting, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	65.87 -6.00 8.11 4.71 16.23 8.70	36.10
22 11 16 00-0473	EA	1-1/4"	45 Degree Copper Elbow ..... <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Street Fitting, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	74.46 -6.65 8.78 6.38 17.55 9.57	39.07
22 11 16 00-0474	EA	1-1/2"	45 Degree Copper Elbow ..... <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Street Fitting, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	83.61 -7.38 9.60 7.84 19.21 10.58	42.72
22 11 16 00-0475	EA	2"	45 Degree Copper Elbow ..... <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	104.41 -8.81 10.76 21.52 12.39	47.90
22 11 16 00-0476	EA	2-1/2"	45 Degree Copper Elbow ..... <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	139.81 -10.65 10.98 21.96 14.31	48.79
22 11 16 00-0477	EA	3"	45 Degree Copper Elbow ..... <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	186.27 -13.68 13.11 26.23 18.06	58.35



	<b>Plumbing</b>	<b>22</b>
	<b>Plumbing Piping</b>	<b>22 10</b>
	<b>Facility Water Distribution</b>	<b>22 11</b>

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0478	EA		4" 45 Degree Copper Elbow ..... <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	334.80 -22.94 18.60 37.20 29.14	82.75
22 11 16 00-0479	EA		5" 45 Degree Copper Elbow ..... <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	986.10 -57.79 25.46 50.93 66.28	113.24
22 11 16 00-0480	EA		6" 45 Degree Copper Elbow ..... <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	1,533.51 -89.03 37.05 74.10 101.38	164.78
22 11 16 00-0481	EA		8" 45 Degree Copper Elbow ..... <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	4,700.79 -251.51 49.40 98.80 267.97	219.67
<b>22 11 16 00-0482</b>			<b>Straight Copper And Brass Tees</b> (22 11 16 00-0436)		
22 11 16 00-0483	EA		1/4" Straight Copper Tee ..... <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	42.31 -3.77 4.97 9.94 5.43	22.08
22 11 16 00-0484	EA		3/8" Straight Copper Tee ..... <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	47.13 -4.34 5.96 11.92 6.33	26.49
22 11 16 00-0485	EA		1/2" Straight Copper Tee ..... <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	57.78 -5.65 8.28 16.56 8.41	36.86
22 11 16 00-0486	EA		3/4" Straight Copper Tee ..... <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	74.61 -7.15 10.26 20.53 10.57	45.70
22 11 16 00-0487	EA		1" Straight Copper Tee ..... <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	100.27 -9.10 12.25 24.50 13.18	54.53
22 11 16 00-0488	EA		1-1/4" Straight Copper Tee ..... <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	114.20 -10.13 13.25 26.49 14.54	58.94
22 11 16 00-0489	EA		1-1/2" Straight Copper Tee ..... <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	135.22 -11.56 14.40 28.81 16.36	64.02
22 11 16 00-0490	EA		2" Straight Copper Tee ..... <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	170.47 -13.93 16.23 32.45 19.34	72.19
22 11 16 00-0491	EA		2-1/2" Straight Copper Tee ..... <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	229.99 -16.99 16.47 32.93 22.48	73.19
22 11 16 00-0492	EA		3" Straight Copper Tee ..... <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	315.79 -22.40 19.82 39.64 29.00	88.13
22 11 16 00-0493	EA		4" Straight Copper Tee ..... <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	629.48 -40.72 27.75 55.50 49.97	123.40
22 11 16 00-0494	EA		5" Straight Copper Tee ..... <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	1,706.09 -97.96 37.97 75.93 110.61	168.84

**22 Plumbing**  
**22 10 Plumbing Piping**  
**22 11 Facility Water Distribution**



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0495 EA 6" Straight Copper Tee ..... <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	2,357.24 -136.41 55.65 111.31 154.96	247.51
22 11 16 00-0496 EA 8" Straight Copper Tee ..... <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	8,155.77 -432.49 74.10 148.20 457.19	329.54
22 11 16 00-0497 EA 1/2" Cast Bronze Drop Ear Tee ..... <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	71.11 -6.32 8.28 16.56 9.07	36.86
<b>22 11 16 00-0498 Reducing Copper Tees (22 11 16 00-0496)</b>		
22 11 16 00-0499 EA 3/8" Reducing Copper Tee..... <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	49.94 -4.26 5.30 10.60 6.03	23.51
22 11 16 00-0500 EA 1/2" Reducing Copper Tee..... <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	62.54 -5.61 7.45 14.90 8.09	33.12
22 11 16 00-0501 EA 3/4" Reducing Copper Tee..... <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	70.58 -6.73 9.60 19.21 9.93	42.72
22 11 16 00-0502 EA 1" Reducing Copper Tee ..... <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	98.11 -8.77 11.59 23.18 12.63	51.55
22 11 16 00-0503 EA 1-1/4" Reducing Copper Tee ..... <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	115.52 -9.97 12.58 25.17 14.17	55.96
22 11 16 00-0504 EA 1-1/2" Reducing Copper Tee ..... <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	136.32 -11.40 13.74 27.49 15.98	61.15
22 11 16 00-0505 EA 2" Reducing Copper Tee ..... <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	167.29 -13.50 15.40 30.80 18.63	68.43
22 11 16 00-0506 EA 2-1/2" Reducing Copper Tee ..... <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	237.40 -17.16 15.86 31.71 22.44	70.54
22 11 16 00-0507 EA 3" Reducing Copper Tee ..... <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	338.23 -23.01 18.30 36.59 29.11	81.31
22 11 16 00-0508 EA 4" Reducing Copper Tee ..... <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	605.68 -37.81 22.57 45.13 45.33	100.33
<b>22 11 16 00-0509 Copper Couplings (22 11 16 00-0436)</b>		
22 11 16 00-0510 EA 1/4" Copper Coupling..... <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	22.96 -2.25 3.31 6.62 3.36	14.73
22 11 16 00-0511 EA 3/8" Copper Coupling..... <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	27.66 -2.71 3.97 7.95 4.03	17.66
22 11 16 00-0512 EA 1/2" Copper Coupling..... <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	37.38 -3.69 5.46 10.93 5.51	24.28



	<b>Plumbing</b>	<b>22</b>
	<b>Plumbing Piping</b>	<b>22 10</b>
	<b>Facility Water Distribution</b>	<b>22 11</b>

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0513 EA 3/4" Copper Coupling.....	47.21	30.25
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.62	
For Brazed Fittings Instead Of 95/5 Solder, Add	6.79	
For Work In Restricted Working Space, Add	13.58	
For Silver Solder Instead Of 95/5 Solder, Add	6.89	
22 11 16 00-0514 EA 1" Copper Coupling.....	57.98	36.10
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-5.60	
For Brazed Fittings Instead Of 95/5 Solder, Add	8.11	
For Work In Restricted Working Space, Add	16.23	
For Silver Solder Instead Of 95/5 Solder, Add	8.31	
22 11 16 00-0515 EA 1-1/4" Copper Coupling.....	65.35	39.07
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-6.19	
For Brazed Fittings Instead Of 95/5 Solder, Add	8.78	
For Work In Restricted Working Space, Add	17.55	
For Silver Solder Instead Of 95/5 Solder, Add	9.12	
22 11 16 00-0516 EA 1-1/2" Copper Coupling.....	73.09	42.72
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-6.86	
For Brazed Fittings Instead Of 95/5 Solder, Add	9.60	
For Work In Restricted Working Space, Add	19.21	
For Silver Solder Instead Of 95/5 Solder, Add	10.06	
22 11 16 00-0517 EA 2" Copper Coupling.....	86.82	47.46
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-7.93	
For Brazed Fittings Instead Of 95/5 Solder, Add	10.76	
For Work In Restricted Working Space, Add	21.52	
For Silver Solder Instead Of 95/5 Solder, Add	11.52	
22 11 16 00-0518 EA 2-1/2" Copper Coupling.....	99.36	46.14
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-8.42	
For Brazed Fittings Instead Of 95/5 Solder, Add	10.37	
For Work In Restricted Working Space, Add	20.74	
For Silver Solder Instead Of 95/5 Solder, Add	11.88	
22 11 16 00-0519 EA 3" Copper Coupling.....	124.51	55.91
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-10.39	
For Brazed Fittings Instead Of 95/5 Solder, Add	12.50	
For Work In Restricted Working Space, Add	25.01	
For Silver Solder Instead Of 95/5 Solder, Add	14.56	
22 11 16 00-0520 EA 4" Copper Coupling.....	202.48	75.22
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-15.72	
For Brazed Fittings Instead Of 95/5 Solder, Add	16.77	
For Work In Restricted Working Space, Add	33.55	
For Silver Solder Instead Of 95/5 Solder, Add	21.31	
22 11 16 00-0521 EA 5" Copper Coupling.....	341.42	137.22
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-24.69	
For Brazed Fittings Instead Of 95/5 Solder, Add	22.87	
For Work In Restricted Working Space, Add	45.74	
For Silver Solder Instead Of 95/5 Solder, Add	32.32	
22 11 16 00-0522 EA 6" Copper Coupling.....	535.88	149.11
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-37.98	
For Brazed Fittings Instead Of 95/5 Solder, Add	33.54	
For Work In Restricted Working Space, Add	67.09	
For Silver Solder Instead Of 95/5 Solder, Add	49.16	
22 11 16 00-0523 EA 8" Copper Coupling.....	1,309.00	197.71
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-80.29	
For Brazed Fittings Instead Of 95/5 Solder, Add	44.52	
For Work In Restricted Working Space, Add	89.05	
For Silver Solder Instead Of 95/5 Solder, Add	95.13	
<b>22 11 16 00-0524 Reducing Copper Couplings (22 11 16 00-0436)</b>		
22 11 16 00-0525 EA 3/8" Reducing Copper Coupling.....	24.00	14.69
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-2.30	
For Brazed Fittings Instead Of 95/5 Solder, Add	3.31	
For Work In Restricted Working Space, Add	6.62	
For Silver Solder Instead Of 95/5 Solder, Add	3.41	
22 11 16 00-0526 EA 1/2" Reducing Copper Coupling.....	33.47	20.97
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-3.25	
For Brazed Fittings Instead Of 95/5 Solder, Add	4.72	
For Work In Restricted Working Space, Add	9.44	
For Silver Solder Instead Of 95/5 Solder, Add	4.82	
22 11 16 00-0527 EA 3/4" Reducing Copper Coupling.....	44.31	27.27
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.26	
For Brazed Fittings Instead Of 95/5 Solder, Add	6.13	
For Work In Restricted Working Space, Add	12.25	
For Silver Solder Instead Of 95/5 Solder, Add	6.30	
22 11 16 00-0528 EA 1" Reducing Copper Coupling.....	55.94	33.12
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-5.28	
For Brazed Fittings Instead Of 95/5 Solder, Add	7.45	
For Work In Restricted Working Space, Add	14.90	
For Silver Solder Instead Of 95/5 Solder, Add	7.76	
22 11 16 00-0529 EA 1-1/4" Reducing Copper Coupling.....	65.02	37.53
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-6.07	
For Brazed Fittings Instead Of 95/5 Solder, Add	8.44	
For Work In Restricted Working Space, Add	16.89	
For Silver Solder Instead Of 95/5 Solder, Add	8.88	

**22 Plumbing**  
**22 10 Plumbing Piping**  
**22 11 Facility Water Distribution**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0530	EA		1-1/2" Reducing Copper Coupling .....	75.71	40.84
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-6.85	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	9.19	
			<i>For Work In Restricted Working Space, Add</i>	18.38	
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	9.91	
22 11 16 00-0531	EA		2" Reducing Copper Coupling.....	90.24	45.25
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-7.91	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	10.18	
			<i>For Work In Restricted Working Space, Add</i>	20.37	
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	11.30	
22 11 16 00-0532	EA		2-1/2" Reducing Copper Coupling .....	114.48	46.46
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-9.21	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	10.44	
			<i>For Work In Restricted Working Space, Add</i>	20.89	
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	12.69	
22 11 16 00-0533	EA		3" Reducing Copper Coupling.....	135.77	53.87
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-10.80	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	12.05	
			<i>For Work In Restricted Working Space, Add</i>	24.09	
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	14.82	
22 11 16 00-0534	EA		4" Reducing Copper Coupling.....	215.81	70.54
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-16.08	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	15.86	
			<i>For Work In Restricted Working Space, Add</i>	31.71	
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	21.36	
22 11 16 00-0535	EA		5" Reducing Copper Coupling.....	577.93	98.29
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-36.27	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	22.11	
			<i>For Work In Restricted Working Space, Add</i>	44.22	
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	43.64	
22 11 16 00-0536	EA		6" Reducing Copper Coupling.....	864.93	132.14
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-53.16	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	29.73	
			<i>For Work In Restricted Working Space, Add</i>	59.46	
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	63.07	
22 11 16 00-0537	EA		8" Reducing Copper Coupling.....	1,702.08	192.55
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-99.54	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	43.30	
			<i>For Work In Restricted Working Space, Add</i>	86.61	
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	113.97	
<b>22 11 16 00-0538</b>			<b>Male Copper Adapters (22 11 16 00-0436)</b>		
22 11 16 00-0539	EA		1/4" Male Copper Adapter.....	37.58	14.35
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-2.98	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	3.31	
			<i>For Work In Restricted Working Space, Add</i>	6.62	
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	4.09	
22 11 16 00-0540	EA		3/8" Male Copper Adapter.....	34.22	17.66
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-3.04	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	3.97	
			<i>For Work In Restricted Working Space, Add</i>	7.95	
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	4.36	
22 11 16 00-0541	EA		1/2" Male Copper Adapter.....	36.25	22.08
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-3.47	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	4.97	
			<i>For Work In Restricted Working Space, Add</i>	9.94	
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	5.12	
22 11 16 00-0542	EA		3/4" Male Copper Adapter.....	46.15	27.60
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-4.35	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	6.13	
			<i>For Work In Restricted Working Space, Add</i>	12.25	
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	6.39	
22 11 16 00-0543	EA		1" Male Copper Adapter .....	60.95	32.01
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-5.42	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	7.12	
			<i>For Work In Restricted Working Space, Add</i>	14.24	
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	7.79	
22 11 16 00-0544	EA		1-1/4" Male Copper Adapter .....	74.83	36.42
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-6.50	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	8.28	
			<i>For Work In Restricted Working Space, Add</i>	16.56	
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	9.26	
22 11 16 00-0545	EA		1-1/2" Male Copper Adapter .....	85.89	41.94
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-7.44	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	9.44	
			<i>For Work In Restricted Working Space, Add</i>	18.87	
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	10.59	
22 11 16 00-0546	EA		2" Male Copper Adapter .....	119.47	53.53
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-10.00	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	12.09	
			<i>For Work In Restricted Working Space, Add</i>	24.17	
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	14.03	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0547 EA 2-1/2" Male Copper Adapter ..... <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	224.40 -16.41 15.56 31.13 21.60	69.54
22 11 16 00-0548 EA 3" Male Copper Adapter ..... <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	297.97 -21.81 20.74 41.47 28.72	92.75
22 11 16 00-0549 EA 4" Male Copper Adapter ..... <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	450.62 -32.29 29.28 58.55 42.05	130.11
<b>22 11 16 00-0550 Female Copper Adapters (22 11 16 00-0436)</b>		
22 11 16 00-0551 EA 1/4" Female Copper Adapter ..... <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	31.98 -2.70 3.31 6.62 3.81	14.35
22 11 16 00-0552 EA 3/8" Female Copper Adapter ..... <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	36.85 -3.17 3.97 7.95 4.49	17.66
22 11 16 00-0553 EA 1/2" Female Copper Adapter ..... <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	38.13 -3.56 4.97 9.94 5.22	22.08
22 11 16 00-0554 EA 3/4" Female Copper Adapter ..... <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	47.69 -4.43 6.13 12.25 6.47	27.60
22 11 16 00-0555 EA 1" Female Copper Adapter ..... <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	63.13 -5.53 7.12 14.24 7.90	32.01
22 11 16 00-0556 EA 1-1/4" Female Copper Adapter ..... <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	78.17 -6.67 8.28 16.56 9.43	36.42
22 11 16 00-0557 EA 1-1/2" Female Copper Adapter ..... <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	98.88 -8.09 9.44 18.87 11.24	41.94
22 11 16 00-0558 EA 2" Female Copper Adapter ..... <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	129.38 -10.50 12.09 24.17 14.53	53.53
22 11 16 00-0559 EA 2-1/2" Female Copper Adapter ..... <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	265.80 -18.07 14.33 28.67 22.85	64.04
22 11 16 00-0560 EA 3" Female Copper Adapter ..... <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	425.02 -28.16 20.74 41.47 35.08	92.75
<b>22 11 16 00-0561 Wrot Copper, Solder Union (22 11 16 00-0436)</b>		
22 11 16 00-0562 EA 1/4" Wrot Copper, Solder Union ..... <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	42.32 -3.44 3.97 7.95 4.77	17.66
22 11 16 00-0563 EA 3/8" Wrot Copper, Solder Union ..... <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	48.32 -4.02 4.80 9.60 5.62	21.30
22 11 16 00-0564 EA 1/2" Wrot Copper, Solder Union ..... <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	49.82 -4.48 5.96 11.92 6.47	26.49

**22 Plumbing**  
**22 10 Plumbing Piping**  
**22 11 Facility Water Distribution**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0565	EA	3/4"	Wrot Copper, Solder Union.....	57.65	30.25
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-5.15	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	6.79	
			<i>For Work In Restricted Working Space, Add</i>	13.58	
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	7.41	
22 11 16 00-0566	EA	1"	Wrot Copper, Solder Union.....	75.39	36.10
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-6.47	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	8.11	
			<i>For Work In Restricted Working Space, Add</i>	16.23	
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	9.18	
22 11 16 00-0567	EA	1-1/2"	Wrot Copper, Solder Union.....	90.45	39.74
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-7.50	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	8.94	
			<i>For Work In Restricted Working Space, Add</i>	17.88	
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	10.48	
22 11 16 00-0568	EA	1-1/2"	Wrot Copper, Solder Union.....	109.72	44.15
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-8.80	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	9.93	
			<i>For Work In Restricted Working Space, Add</i>	19.87	
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	12.11	
22 11 16 00-0569	EA	2"	Wrot Copper, Solder Union.....	153.60	52.98
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-11.65	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	11.92	
			<i>For Work In Restricted Working Space, Add</i>	23.84	
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	15.63	
22 11 16 00-0570	EA	2-1/2"	Wrot Copper, Solder Union.....	289.58	58.35
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-18.85	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	13.11	
			<i>For Work In Restricted Working Space, Add</i>	26.23	
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	23.22	
22 11 16 00-0571	EA	3"	Wrot Copper, Solder Union.....	647.15	82.75
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-38.56	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	18.60	
			<i>For Work In Restricted Working Space, Add</i>	37.20	
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	44.76	
<b>22 11 16 00-0572</b>			<b>Cast Bronze, Solder Union</b> <small>(22 11 16 00-0436)</small>		
22 11 16 00-0573	EA	1/4"	Cast Bronze, Solder Union.....	48.15	17.66
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-3.73	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	3.97	
			<i>For Work In Restricted Working Space, Add</i>	7.95	
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	5.06	
22 11 16 00-0574	EA	3/8"	Cast Bronze, Solder Union.....	53.82	21.30
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-4.29	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	4.80	
			<i>For Work In Restricted Working Space, Add</i>	9.60	
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	5.89	
22 11 16 00-0575	EA	1/2"	Cast Bronze, Solder Union.....	51.35	26.49
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-4.55	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	5.96	
			<i>For Work In Restricted Working Space, Add</i>	11.92	
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	6.54	
22 11 16 00-0576	EA	3/4"	Cast Bronze, Solder Union.....	59.81	30.25
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-5.25	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	6.79	
			<i>For Work In Restricted Working Space, Add</i>	13.58	
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	7.52	
22 11 16 00-0577	EA	1"	Cast Bronze, Solder Union.....	79.15	36.10
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-6.66	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	8.11	
			<i>For Work In Restricted Working Space, Add</i>	16.23	
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	9.37	
22 11 16 00-0578	EA	1-1/4"	Cast Bronze, Solder Union.....	100.74	39.74
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-8.02	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	8.94	
			<i>For Work In Restricted Working Space, Add</i>	17.88	
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	11.00	
22 11 16 00-0579	EA	1-1/2"	Cast Bronze, Solder Union.....	120.45	44.15
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-9.33	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	9.93	
			<i>For Work In Restricted Working Space, Add</i>	19.87	
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	12.65	
22 11 16 00-0580	EA	2"	Cast Bronze, Solder Union.....	171.86	52.98
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-12.57	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	11.92	
			<i>For Work In Restricted Working Space, Add</i>	23.84	
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	16.54	
22 11 16 00-0581	EA	2-1/2"	Cast Bronze, Solder Union.....	289.57	58.35
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-18.85	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	13.11	
			<i>For Work In Restricted Working Space, Add</i>	26.23	
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	23.22	



<b>Plumbing</b>	<b>22</b>	<b>22</b>
<b>Plumbing Piping</b>	<b>22 10</b>	
<b>Facility Water Distribution</b>	<b>22 11</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0582 EA 3" Cast Bronze, Solder Union..... <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	647.15 -38.56 18.60 37.20 44.76	82.75
<b>22 11 16 00-0583 Cast Bronze, Solder X Female Threaded Union (22 11 16 00-0436)</b>		
22 11 16 00-0584 EA 1/4" Cast Bronze, Solder X Female Threaded Union..... <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	56.03 -4.13 3.97 7.95 5.45	17.66
22 11 16 00-0585 EA 3/8" Cast Bronze, Solder X Female Threaded Union..... <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	62.58 -4.73 4.80 9.60 6.33	21.30
22 11 16 00-0586 EA 1/2" Cast Bronze, Solder X Female Threaded Union..... <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	64.02 -5.19 5.96 11.92 7.18	26.49
22 11 16 00-0587 EA 3/4" Cast Bronze, Solder X Female Threaded Union..... <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	78.34 -6.18 6.79 13.58 8.44	30.25
22 11 16 00-0588 EA 1" Cast Bronze, Solder X Female Threaded Union..... <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	122.93 -8.85 8.11 16.23 11.56	36.10
22 11 16 00-0589 EA 1-1/4" Cast Bronze, Solder X Female Threaded Union..... <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	187.90 -12.38 8.94 17.88 15.36	39.74
22 11 16 00-0590 EA 1-1/2" Cast Bronze, Solder X Female Threaded Union..... <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	228.75 -14.75 9.93 19.87 18.06	44.15
22 11 16 00-0591 EA 2" Cast Bronze, Solder X Female Threaded Union..... <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	354.58 -21.70 11.92 23.84 25.68	52.98
22 11 16 00-0592 EA 2-1/2" Cast Bronze, Solder X Female Threaded Union..... <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	608.93 -34.82 13.11 26.23 39.19	58.35
<b>22 11 16 00-0593 Cast Bronze, Solder X Male Threaded Union (22 11 16 00-0436)</b>		
22 11 16 00-0594 EA 1/4" Cast Bronze, Solder X Male Threaded Union..... <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	48.99 -3.77 3.97 7.95 5.10	17.66
22 11 16 00-0595 EA 3/8" Cast Bronze, Solder X Male Threaded Union..... <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	58.28 -4.51 4.80 9.60 6.12	21.30
22 11 16 00-0596 EA 1/2" Cast Bronze, Solder X Male Threaded Union..... <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	58.90 -4.93 5.96 11.92 6.92	26.49
22 11 16 00-0597 EA 3/4" Cast Bronze, Solder X Male Threaded Union..... <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	74.01 -5.96 6.79 13.58 8.23	30.25
22 11 16 00-0598 EA 1" Cast Bronze, Solder X Male Threaded Union..... <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	124.91 -8.95 8.11 16.23 11.65	36.10
22 11 16 00-0599 EA 1-1/4" Cast Bronze, Solder X Male Threaded Union..... <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i>	147.46 -10.35 8.94 17.88 13.33	39.74

**22 Plumbing**  
**22 10 Plumbing Piping**  
**22 11 Facility Water Distribution**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0600	EA		1-1/2" Cast Bronze, Solder X Male Threaded Union.....	158.50	44.15
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-11.24	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	9.93	
			<i>For Work In Restricted Working Space, Add</i>	19.87	
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	14.55	
22 11 16 00-0601	EA		2" Cast Bronze, Solder X Male Threaded Union.....	221.21	52.98
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-15.03	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	11.92	
			<i>For Work In Restricted Working Space, Add</i>	23.84	
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	19.01	
22 11 16 00-0602	EA		2-1/2" Cast Bronze, Solder X Male Threaded Union.....	502.79	58.35
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-29.51	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	13.11	
			<i>For Work In Restricted Working Space, Add</i>	26.23	
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	33.88	
<b>22 11 16 00-0603</b>			<b>Copper Caps (22 11 16 00-0436)</b>		
22 11 16 00-0604	EA		1/4" Copper Cap .....	8.62	4.85
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-0.80	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	1.09	
			<i>For Work In Restricted Working Space, Add</i>	2.18	
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	1.16	
22 11 16 00-0605	EA		3/8" Copper Cap .....	10.87	5.74
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-0.98	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	1.31	
			<i>For Work In Restricted Working Space, Add</i>	2.62	
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	1.42	
22 11 16 00-0606	EA		1/2" Copper Cap .....	13.11	7.95
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-1.26	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	1.80	
			<i>For Work In Restricted Working Space, Add</i>	3.61	
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	1.86	
22 11 16 00-0607	EA		3/4" Copper Cap .....	16.99	9.82
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-1.60	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	2.24	
			<i>For Work In Restricted Working Space, Add</i>	4.48	
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	2.34	
22 11 16 00-0608	EA		1" Copper Cap .....	22.65	11.81
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-2.03	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	2.68	
			<i>For Work In Restricted Working Space, Add</i>	5.36	
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	2.92	
22 11 16 00-0609	EA		1-1/4" Copper Cap .....	25.74	12.69
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-2.25	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	2.90	
			<i>For Work In Restricted Working Space, Add</i>	5.79	
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	3.22	
22 11 16 00-0610	EA		1-1/2" Copper Cap .....	30.49	13.91
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-2.58	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	3.17	
			<i>For Work In Restricted Working Space, Add</i>	6.34	
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	3.64	
22 11 16 00-0611	EA		2" Copper Cap .....	39.11	14.43
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-3.05	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	3.27	
			<i>For Work In Restricted Working Space, Add</i>	6.54	
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	4.14	
22 11 16 00-0612	EA		2-1/2" Copper Cap .....	76.15	16.87
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-5.09	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	3.84	
			<i>For Work In Restricted Working Space, Add</i>	7.69	
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	6.37	
22 11 16 00-0613	EA		3" Copper Cap .....	105.15	21.65
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-6.90	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	4.92	
			<i>For Work In Restricted Working Space, Add</i>	9.83	
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	8.54	
22 11 16 00-0614	EA		4" Copper Cap .....	186.19	32.73
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-11.79	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	7.44	
			<i>For Work In Restricted Working Space, Add</i>	14.88	
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	14.27	
22 11 16 00-0615	EA		5" Cast Bronze Cap .....	1,036.49	50.42
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-55.64	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	11.46	
			<i>For Work In Restricted Working Space, Add</i>	22.92	
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	59.46	
22 11 16 00-0616	EA		6" Cast Bronze Cap .....	2,024.02	73.39
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-106.76	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	16.67	
			<i>For Work In Restricted Working Space, Add</i>	33.35	
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	112.32	



<b>Plumbing</b>	<b>22</b>	<b>22</b>
<b>Plumbing Piping</b>	<b>22 10</b>	
<b>Facility Water Distribution</b>	<b>22 11</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0617 EA 8" Cast Bronze Cap .....	2,575.94	97.79
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-136.21	
For Brazed Fittings Instead Of 95/5 Solder, Add	22.23	
For Work In Restricted Working Space, Add	44.46	
For Silver Solder Instead Of 95/5 Solder, Add	143.62	
<b>22 11 16 00-0618 Copper Crosses (22 11 16 00-0436)</b>		
22 11 16 00-0619 EA 1/2" Copper Cross .....	84.32	44.72
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-7.57	
For Brazed Fittings Instead Of 95/5 Solder, Add	10.06	
For Work In Restricted Working Space, Add	20.13	
For Silver Solder Instead Of 95/5 Solder, Add	10.93	
22 11 16 00-0620 EA 3/4" Copper Cross .....	116.84	55.60
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-10.01	
For Brazed Fittings Instead Of 95/5 Solder, Add	12.50	
For Work In Restricted Working Space, Add	25.01	
For Silver Solder Instead Of 95/5 Solder, Add	14.18	
22 11 16 00-0621 EA 1" Copper Cross .....	156.51	66.38
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-12.81	
For Brazed Fittings Instead Of 95/5 Solder, Add	14.94	
For Work In Restricted Working Space, Add	29.88	
For Silver Solder Instead Of 95/5 Solder, Add	17.79	
22 11 16 00-0622 EA 1-1/4" Copper Cross .....	189.53	71.86
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-14.86	
For Brazed Fittings Instead Of 95/5 Solder, Add	16.16	
For Work In Restricted Working Space, Add	32.33	
For Silver Solder Instead Of 95/5 Solder, Add	20.25	
22 11 16 00-0623 EA 1-1/2" Copper Cross .....	234.48	78.57
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-17.62	
For Brazed Fittings Instead Of 95/5 Solder, Add	17.69	
For Work In Restricted Working Space, Add	35.38	
For Silver Solder Instead Of 95/5 Solder, Add	23.52	
22 11 16 00-0624 EA 2" Copper Cross .....	352.35	88.13
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-24.22	
For Brazed Fittings Instead Of 95/5 Solder, Add	19.82	
For Work In Restricted Working Space, Add	39.64	
For Silver Solder Instead Of 95/5 Solder, Add	30.83	
22 11 16 00-0625 EA 2-1/2" Copper Cross .....	653.96	97.58
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-40.02	
For Brazed Fittings Instead Of 95/5 Solder, Add	21.96	
For Work In Restricted Working Space, Add	43.91	
For Silver Solder Instead Of 95/5 Solder, Add	47.34	
<b>22 11 16 00-0626 Cast Bronze Crosses (22 11 16 00-0436)</b>		
22 11 16 00-0627 EA 3/8" Cast Bronze Cross .....	71.77	32.53
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-6.03	
For Brazed Fittings Instead Of 95/5 Solder, Add	7.32	
For Work In Restricted Working Space, Add	14.64	
For Silver Solder Instead Of 95/5 Solder, Add	8.47	
22 11 16 00-0628 EA 1/2" Cast Bronze Cross .....	87.77	44.72
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-7.74	
For Brazed Fittings Instead Of 95/5 Solder, Add	10.06	
For Work In Restricted Working Space, Add	20.13	
For Silver Solder Instead Of 95/5 Solder, Add	11.10	
22 11 16 00-0629 EA 3/4" Cast Bronze Cross .....	123.54	55.60
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-10.34	
For Brazed Fittings Instead Of 95/5 Solder, Add	12.50	
For Work In Restricted Working Space, Add	25.01	
For Silver Solder Instead Of 95/5 Solder, Add	14.51	
22 11 16 00-0630 EA 1" Cast Bronze Cross .....	167.87	66.38
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-13.37	
For Brazed Fittings Instead Of 95/5 Solder, Add	14.94	
For Work In Restricted Working Space, Add	29.88	
For Silver Solder Instead Of 95/5 Solder, Add	18.35	
22 11 16 00-0631 EA 1-1/4" Cast Bronze Cross .....	205.88	71.86
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-15.68	
For Brazed Fittings Instead Of 95/5 Solder, Add	16.16	
For Work In Restricted Working Space, Add	32.33	
For Silver Solder Instead Of 95/5 Solder, Add	21.07	
22 11 16 00-0632 EA 1-1/2" Cast Bronze Cross .....	257.79	78.57
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-18.79	
For Brazed Fittings Instead Of 95/5 Solder, Add	17.69	
For Work In Restricted Working Space, Add	35.38	
For Silver Solder Instead Of 95/5 Solder, Add	24.68	
22 11 16 00-0633 EA 2" Cast Bronze Cross .....	389.87	88.13
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-26.10	
For Brazed Fittings Instead Of 95/5 Solder, Add	19.82	
For Work In Restricted Working Space, Add	39.64	
For Silver Solder Instead Of 95/5 Solder, Add	32.71	
22 11 16 00-0634 EA 2-1/2" Cast Bronze Cross .....	755.48	97.58
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-45.09	
For Brazed Fittings Instead Of 95/5 Solder, Add	21.96	
For Work In Restricted Working Space, Add	43.91	
For Silver Solder Instead Of 95/5 Solder, Add	52.41	



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0635			<b>Flexible Corrugated Copper Supply Line</b> (22 11 16 00-0436)		
22 11 16 00-0636	EA		3/4" Threaded x 3/4" Solder x 18" Long, Flexible Corrugated Copper Supply Line	82.77	30.25
22 11 16 00-0637	EA		3/4" Threaded x 3/4" Solder x 24" Long, Flexible Corrugated Copper Supply Line	87.28	30.25
22 11 16 00-0638	EA		3/4" Threaded x 3/4" Threaded x 12" Long, Flexible Corrugated Copper Supply Line	74.64	30.25
22 11 16 00-0639	EA		3/4" Threaded x 3/4" Threaded x 15" Long, Flexible Corrugated Copper Supply Line	79.76	30.25
22 11 16 00-0640	EA		3/4" Threaded x 3/4" Threaded x 18" Long, Flexible Corrugated Copper Supply Line	84.27	30.25
22 11 16 00-0641	EA		3/4" Threaded x 3/4" Threaded x 24" Long, Flexible Corrugated Copper Supply Line	87.28	30.25
22 11 16 00-0642			<b>Crimped Copper Fittings</b> (22 11 16 00-0368)		
			Note: Viega ProPress type. Includes factory installed ethylene propylene diene monomer (EPDM) sealing elements.		
22 11 16 00-0643			<b>Crimped Copper 90 Degree Elbows</b> (22 11 16 00-0642)		
22 11 16 00-0644	EA		1/2" Crimped Copper 90 Degree Elbow	25.49	13.25
22 11 16 00-0645	EA		3/4" Crimped Copper 90 Degree Elbow	32.17	15.12
22 11 16 00-0646	EA		1" Crimped Copper 90 Degree Elbow	46.14	17.99
22 11 16 00-0647	EA		1-1/4" Crimped Copper 90 Degree Elbow	68.37	19.87
22 11 16 00-0648	EA		1-1/2" Crimped Copper 90 Degree Elbow	106.14	22.08
22 11 16 00-0649	EA		2" Crimped Copper 90 Degree Elbow	141.23	26.49
22 11 16 00-0650	EA		2-1/2" Crimped Copper 90 Degree Elbow	341.15	30.90
22 11 16 00-0651	EA		3" Crimped Copper 90 Degree Elbow	426.07	36.75
22 11 16 00-0652	EA		4" Crimped Copper 90 Degree Elbow	531.71	48.57
22 11 16 00-0653			<b>Crimped Copper 45 Degree Elbows</b> (22 11 16 00-0642)		
22 11 16 00-0654	EA		1/2" Crimped Copper 45 Degree Elbow	26.42	13.25
22 11 16 00-0655	EA		3/4" Crimped Copper 45 Degree Elbow	30.68	15.12
22 11 16 00-0656	EA		1" Crimped Copper 45 Degree Elbow	52.89	17.99
22 11 16 00-0657	EA		1-1/4" Crimped Copper 45 Degree Elbow	66.87	19.87
22 11 16 00-0658	EA		1-1/2" Crimped Copper 45 Degree Elbow	93.23	22.08
22 11 16 00-0659	EA		2" Crimped Copper 45 Degree Elbow	123.82	26.49
22 11 16 00-0660	EA		2-1/2" Crimped Copper 45 Degree Elbow	241.09	30.90
22 11 16 00-0661	EA		3" Crimped Copper 45 Degree Elbow	333.40	36.75
22 11 16 00-0662	EA		4" Crimped Copper 45 Degree Elbow	459.22	48.57
22 11 16 00-0663			<b>Crimped Copper Straight Tees</b> (22 11 16 00-0642)		
22 11 16 00-0664	EA		1/2" Crimped Copper Straight Tee	38.41	19.87
22 11 16 00-0665	EA		3/4" Crimped Copper Straight Tee	54.34	26.16
22 11 16 00-0666	EA		1" Crimped Copper Straight Tee	70.94	29.03
22 11 16 00-0667	EA		1-1/4" Crimped Copper Straight Tee	90.94	29.80
22 11 16 00-0668	EA		1-1/2" Crimped Copper Straight Tee	140.64	33.88
22 11 16 00-0669	EA		2" Crimped Copper Straight Tee	170.64	39.74
22 11 16 00-0670	EA		2-1/2" Crimped Copper Straight Tee	433.75	46.36
22 11 16 00-0671	EA		3" Crimped Copper Straight Tee	538.03	55.19
22 11 16 00-0672	EA		4" Crimped Copper Straight Tee	748.07	72.85
22 11 16 00-0673			<b>Crimped Copper Reducing Tees</b> (22 11 16 00-0642)		
22 11 16 00-0674	EA		3/4" Crimped Copper Reducing Tee	51.76	18.88
22 11 16 00-0675	EA		1" Crimped Copper Reducing Tee	78.77	24.84
22 11 16 00-0676	EA		1-1/4" Crimped Copper Reducing Tee	83.71	27.60
22 11 16 00-0677	EA		1-1/2" Crimped Copper Reducing Tee	122.26	28.36
22 11 16 00-0678	EA		2" Crimped Copper Reducing Tee	149.17	32.12
22 11 16 00-0679	EA		2-1/2" Crimped Copper Reducing Tee	483.03	36.42
22 11 16 00-0680	EA		3" Crimped Copper Reducing Tee	589.99	44.15
22 11 16 00-0681	EA		4" Crimped Copper Reducing Tee	684.19	58.83
22 11 16 00-0682			<b>Crimped Copper Couplings</b> (22 11 16 00-0642)		
22 11 16 00-0683	EA		1/2" Crimped Copper Coupling	24.93	13.25
22 11 16 00-0684	EA		3/4" Crimped Copper Coupling	30.31	15.12
22 11 16 00-0685	EA		1" Crimped Copper Coupling	42.57	17.99
22 11 16 00-0686	EA		1-1/4" Crimped Copper Coupling	49.10	19.87
22 11 16 00-0687	EA		1-1/2" Crimped Copper Coupling	69.07	22.08
22 11 16 00-0688	EA		2" Crimped Copper Coupling	85.62	26.49
22 11 16 00-0689	EA		2-1/2" Crimped Copper Coupling	193.18	30.90
22 11 16 00-0690	EA		3" Crimped Copper Coupling	242.17	36.75
22 11 16 00-0691	EA		4" Crimped Copper Coupling	332.48	48.57
22 11 16 00-0692			<b>Crimped Copper Reducing Couplings</b> (22 11 16 00-0642)		
22 11 16 00-0693	EA		3/4" Crimped Copper Reducing Coupling	41.92	12.58
22 11 16 00-0694	EA		1" Crimped Copper Reducing Coupling	47.93	14.35
22 11 16 00-0695	EA		1-1/4" Crimped Copper Reducing Coupling	64.10	17.11
22 11 16 00-0696	EA		1-1/2" Crimped Copper Reducing Coupling	84.90	18.88
22 11 16 00-0697	EA		2" Crimped Copper Reducing Coupling	95.12	20.97



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0698 EA 2-1/2" Crimped Copper FTG x C Reducing Coupling .....	210.97	25.06
22 11 16 00-0699 EA 3" Crimped Copper FTG x C Reducing Coupling .....	265.37	29.47
22 11 16 00-0700 EA 4" Crimped Copper FTG x C Reducing Coupling .....	343.92	38.96
<b>22 11 16 00-0701 Crimped Copper Male Adapters (22 11 16 00-0642)</b>		
22 11 16 00-0702 EA 1/2" Crimped Copper Male Adapter .....	26.06	13.25
22 11 16 00-0703 EA 3/4" Crimped Copper Male Adapter .....	33.85	15.12
22 11 16 00-0704 EA 1" Crimped Copper Male Adapter .....	47.63	17.99
22 11 16 00-0705 EA 1-1/4" Crimped Copper Male Adapter .....	74.92	19.87
22 11 16 00-0706 EA 1-1/2" Crimped Copper Male Adapter .....	96.41	22.08
22 11 16 00-0707 EA 2" Crimped Copper Male Adapter .....	161.62	26.49
22 11 16 00-0708 EA 2-1/2" Crimped Copper Male Adapter .....	341.15	30.90
22 11 16 00-0709 EA 3" Crimped Copper Male Adapter .....	426.07	36.75
22 11 16 00-0710 EA 4" Crimped Copper Male Adapter .....	502.15	48.57
<b>22 11 16 00-0711 Crimped Copper Female Adapters (22 11 16 00-0642)</b>		
22 11 16 00-0712 EA 1/2" Crimped Copper Female Adapter .....	27.35	13.25
22 11 16 00-0713 EA 3/4" Crimped Copper Female Adapter .....	34.81	15.12
22 11 16 00-0714 EA 1" Crimped Copper Female Adapter .....	49.51	17.99
22 11 16 00-0715 EA 1-1/4" Crimped Copper Female Adapter .....	80.54	19.87
22 11 16 00-0716 EA 1-1/2" Crimped Copper Female Adapter .....	106.90	22.08
22 11 16 00-0717 EA 2" Crimped Copper Female Adapter .....	165.00	26.49
<b>22 11 16 00-0718 Crimped Copper Caps (22 11 16 00-0642)</b>		
22 11 16 00-0719 EA 1/2" Crimped Copper Cap .....	20.79	6.63
22 11 16 00-0720 EA 3/4" Crimped Copper Cap .....	29.93	7.73
22 11 16 00-0721 EA 1" Crimped Copper Cap .....	41.52	8.83
22 11 16 00-0722 EA 1-1/4" Crimped Copper Cap .....	46.91	9.93
22 11 16 00-0723 EA 1-1/2" Crimped Copper Cap .....	66.73	11.37
22 11 16 00-0724 EA 2" Crimped Copper Cap .....	80.15	13.25
22 11 16 00-0725 EA 2-1/2" Crimped Copper Cap .....	215.93	15.45
22 11 16 00-0726 EA 3" Crimped Copper Cap .....	271.55	18.43
22 11 16 00-0727 EA 4" Crimped Copper Cap .....	361.49	24.28
<b>22 11 16 00-0728 C x F NPT Crimped Bronze Unions (22 11 16 00-0642)</b>		
22 11 16 00-0729 EA 1/2" C x F NPT Crimped Bronze Union .....	58.88	17.99
22 11 16 00-0730 EA 3/4" C x F NPT Crimped Bronze Union .....	74.05	22.19
22 11 16 00-0731 EA 1" C x F NPT Crimped Bronze Union .....	107.64	26.60
22 11 16 00-0732 EA 1-1/4" C x F NPT Crimped Bronze Union .....	131.90	30.69
22 11 16 00-0733 EA 1-1/2" C x F NPT Crimped Bronze Union .....	179.85	30.03
22 11 16 00-0734 EA 2" C x F NPT Crimped Bronze Union .....	243.75	43.49
<b>22 11 16 00-0735 C x C Crimped Bronze Unions (22 11 16 00-0642)</b>		
22 11 16 00-0736 EA 1/2" C x C Bronze Crimped Union .....	59.56	13.25
22 11 16 00-0737 EA 3/4" C x C Bronze Crimped Union .....	74.67	15.12
22 11 16 00-0738 EA 1" C x C Bronze Crimped Union .....	110.16	17.99
22 11 16 00-0739 EA 1-1/4" C x C Bronze Crimped Union .....	148.50	19.87
22 11 16 00-0740 EA 1-1/2" C x C Bronze Crimped Union .....	194.33	22.08
22 11 16 00-0741 EA 2" C x C Bronze Crimped Union .....	303.00	26.49
<b>22 11 16 00-0742 C x Flange Crimped Bronze Flange (22 11 16 00-0642)</b>		
22 11 16 00-0743 EA 2-1/2" C x Flange Crimped Bronze Flange .....	610.04	30.90
22 11 16 00-0744 EA 3" C x Flange Crimped Bronze Flange .....	661.89	36.75
22 11 16 00-0745 EA 4" C x Flange Crimped Bronze Flange .....	752.03	48.57
<b>22 11 16 00-0746 Field Installed FKM Seals (22 11 16 00-0642)</b>		
Note: For vacuum systems. Includes removing factory installed ethylene propylene diene monomer (EPDM) seal and installing FKM seal.		
22 11 16 00-0747 EA 1/2" Field Installed FKM Seal .....	8.15	
Note: To be used in conjunction with fittings.		
22 11 16 00-0748 EA 3/4" Field Installed FKM Seal .....	10.66	
Note: To be used in conjunction with fittings.		
22 11 16 00-0749 EA 1" Field Installed FKM Seal .....	12.25	
Note: To be used in conjunction with fittings.		
22 11 16 00-0750 EA 1-1/4" Field Installed FKM Seal .....	14.20	
Note: To be used in conjunction with fittings.		
22 11 16 00-0751 EA 1-1/2" Field Installed FKM Seal .....	21.29	
Note: To be used in conjunction with fittings.		
22 11 16 00-0752 EA 2" Field Installed FKM Seal .....	23.40	
Note: To be used in conjunction with fittings.		
22 11 16 00-0753 EA 2-1/2" Field Installed FKM Seal .....	37.24	
Note: To be used in conjunction with fittings.		
22 11 16 00-0754 EA 3" Field Installed FKM Seal .....	42.44	
Note: To be used in conjunction with fittings.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0755 EA 4" Field Installed FKM Seal..... Note: To be used in conjunction with fittings.	58.27	
<b>22 11 16 00-0756 Cut And Prepare Existing In-Place Copper Pipe (22 11 16 00-0368)</b>		
22 11 16 00-0757 EA Up To 1/2", Cut And Prepare Existing In Place Copper Pipe.....	11.04	
22 11 16 00-0758 EA 3/4", Cut And Prepare Existing In Place Copper Pipe.....	11.93	
22 11 16 00-0759 EA 1", Cut And Prepare Existing In Place Copper Pipe.....	13.41	
22 11 16 00-0760 EA 1-1/4", Cut And Prepare Existing In Place Copper Pipe.....	14.07	
22 11 16 00-0761 EA 1-1/2", Cut And Prepare Existing In Place Copper Pipe.....	14.90	
22 11 16 00-0762 EA 2", Cut And Prepare Existing In Place Copper Pipe.....	16.40	
22 11 16 00-0763 EA 2-1/2", Cut And Prepare Existing In Place Copper Pipe.....	17.67	
22 11 16 00-0764 EA 3", Cut And Prepare Existing In Place Copper Pipe.....	20.86	
22 11 16 00-0765 EA 4", Cut And Prepare Existing In Place Copper Pipe.....	28.14	
22 11 16 00-0766 EA 6", Cut And Prepare Existing In Place Copper Pipe.....	40.23	
22 11 16 00-0767 EA 8", Cut And Prepare Existing In Place Copper Pipe.....	53.64	
<b>22 11 16 00-0768 Sweat Brass Companion Flanges (22 11 16 00-0368)</b>		
Note: Excludes bolt and gasket sets		
22 11 16 00-0769 EA 1" Sweat Brass Companion Flange.....	72.97	16.97
22 11 16 00-0770 EA 1-1/4" Sweat Brass Companion Flange.....	79.58	18.70
22 11 16 00-0771 EA 1-1/2" Sweat Brass Companion Flange.....	116.57	20.33
22 11 16 00-0772 EA 2" Sweat Brass Companion Flange.....	158.03	22.56
22 11 16 00-0773 EA 2-1/2" Sweat Brass Companion Flange.....	196.49	27.14
22 11 16 00-0774 EA 3" Sweat Brass Companion Flange.....	214.63	35.57
22 11 16 00-0775 EA 4" Sweat Brass Companion Flange.....	288.56	42.39
22 11 16 00-0776 EA 5" Sweat Brass Companion Flange.....	541.04	50.21
22 11 16 00-0777 EA 6" Sweat Brass Companion Flange.....	615.22	72.95
22 11 16 00-0778 EA 8" Copper Companion Flange.....	1,456.97	104.06
<b>22 11 16 00-0779 Brass Compression Fittings (22 11 16 00-0368)</b>		
<b>22 11 16 00-0780 Brass Compression Unions (22 11 16 00-0779)</b>		
22 11 16 00-0781 EA 1/4" Brass Compression Union.....	18.99	11.93
22 11 16 00-0782 EA 3/8" Brass Compression Union.....	19.29	11.93
22 11 16 00-0783 EA 1/2" Brass Compression Union.....	20.20	11.93
22 11 16 00-0784 EA 5/8" Brass Compression Union.....	20.63	11.93
22 11 16 00-0785 EA 3/4" Brass Compression Union.....	28.78	11.93
22 11 16 00-0786 EA 3/8" x 1/4" Brass Compression Union.....	19.49	11.93
22 11 16 00-0787 EA 1/2" x 3/8" Brass Compression Union.....	20.27	11.93
22 11 16 00-0788 EA 5/8" x 3/8" Brass Compression Union.....	20.81	11.93
22 11 16 00-0789 EA 5/8" x 1/2" Brass Compression Union.....	21.68	11.93
<b>22 11 16 00-0790 Brass Compression Union Elbows (22 11 16 00-0779)</b>		
22 11 16 00-0791 EA 1/4" Brass Compression Union Elbow.....	20.20	11.93
22 11 16 00-0792 EA 3/8" Brass Compression Union Elbow.....	20.69	11.93
22 11 16 00-0793 EA 1/2" Brass Compression Union Elbow.....	21.78	11.93
22 11 16 00-0794 EA 5/8" Brass Compression Union Elbow.....	23.46	11.93
22 11 16 00-0795 EA 3/4" Brass Compression Union Elbow.....	30.01	11.93
22 11 16 00-0796 EA 3/8" x 1/4" Brass Compression Union Elbow.....	20.69	11.93
22 11 16 00-0797 EA 1/2" x 3/8" Brass Compression Union Elbow.....	21.78	11.93
22 11 16 00-0798 EA 5/8" x 3/8" Brass Compression Union Elbow.....	22.08	11.93
22 11 16 00-0799 EA 5/8" x 1/2" Brass Compression Union Elbow.....	27.01	11.93
<b>22 11 16 00-0800 Brass Compression Union Tees (22 11 16 00-0779)</b>		
22 11 16 00-0801 EA 1/4" Brass Compression Union Tee.....	20.57	11.93
22 11 16 00-0802 EA 3/8" Brass Compression Union Tee.....	21.60	11.93
22 11 16 00-0803 EA 1/2" Brass Compression Union Tee.....	22.68	11.93
22 11 16 00-0804 EA 5/8" Brass Compression Union Tee.....	26.10	11.93
22 11 16 00-0805 EA 3/4" Brass Compression Union Tee.....	37.94	11.93
22 11 16 00-0806 EA 3/8" x 3/8" x 1/4" Brass Compression Union Tee.....	22.32	11.93
22 11 16 00-0807 EA 1/2" x 1/2" x 3/8" Brass Compression Union Tee.....	27.88	11.93
22 11 16 00-0808 EA 5/8" x 5/8" x 3/8" Brass Compression Union Tee.....	27.34	11.93
22 11 16 00-0809 EA 5/8" x 5/8" x 1/2" Brass Compression Union Tee.....	27.97	11.93
<b>22 11 16 00-0810 Brass Compression Male Connectors (22 11 16 00-0779)</b>		
22 11 16 00-0811 EA 1/4" Brass Compression Male Connector.....	18.77	11.93
22 11 16 00-0812 EA 3/8" Brass Compression Male Connector.....	19.17	11.93
22 11 16 00-0813 EA 1/2" Brass Compression Male Connector.....	19.85	11.93
22 11 16 00-0814 EA 5/8" Brass Compression Male Connector.....	20.88	11.93
22 11 16 00-0815 EA 3/4" Brass Compression Male Connector.....	25.50	11.81
<b>22 11 16 00-0816 Brass Compression Female Connectors (22 11 16 00-0779)</b>		
22 11 16 00-0817 EA 1/4" Brass Compression Female Connector.....	19.20	11.93





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0818 EA 3/8" Brass Compression Female Connector.....	19.72	11.93
22 11 16 00-0819 EA 1/2" Brass Compression Female Connector.....	20.59	11.93
22 11 16 00-0820 EA 5/8" Brass Compression Female Connector.....	21.19	11.93
22 11 16 00-0821 EA 3/4" Brass Compression Female Connector.....	33.15	11.70
<b>22 11 16 00-0822 Dielectric Fittings (22 11 16 00-0368)</b>		
<b>22 11 16 00-0823 Copper x Female Iron Pipe Thread Dielectric Unions (22 11 16 00-0822)</b>		
22 11 16 00-0824 EA 1/2" Copper x Female Iron Pipe Thread Dielectric Union.....	47.04	26.49
22 11 16 00-0825 EA 3/4" Copper x Female Iron Pipe Thread Dielectric Union.....	52.55	30.25
22 11 16 00-0826 EA 1" Copper x Female Iron Pipe Thread Dielectric Union.....	62.51	33.24
22 11 16 00-0827 EA 1-1/4" Copper x Female Iron Pipe Thread Dielectric Union.....	75.70	36.59
22 11 16 00-0828 EA 1-1/2" Copper x Female Iron Pipe Thread Dielectric Union.....	91.49	40.66
22 11 16 00-0829 EA 2" Copper x Female Iron Pipe Thread Dielectric Union.....	116.18	48.79
<b>22 11 16 00-0830 Female Brass Thread x Iron Pipe Thread Dielectric Unions (22 11 16 00-0822)</b>		
22 11 16 00-0831 EA 1/2" Female Brass Thread x Iron Pipe Thread Dielectric Union.....	51.65	26.49
22 11 16 00-0832 EA 3/4" Female Brass Thread x Iron Pipe Thread Dielectric Union.....	60.14	30.25
22 11 16 00-0833 EA 1" Female Brass Thread x Iron Pipe Thread Dielectric Union.....	72.52	33.24
22 11 16 00-0834 EA 1-1/4" Female Brass Thread x Iron Pipe Thread Dielectric Union.....	88.98	36.59
22 11 16 00-0835 EA 1-1/2" Female Brass Thread x Iron Pipe Thread Dielectric Union.....	107.92	40.66
22 11 16 00-0836 EA 2" Female Brass Thread x Iron Pipe Thread Dielectric Union.....	135.45	48.79
<b>22 11 16 00-0837 Female Iron Pipe Thread x Iron Pipe Thread Dielectric Unions (22 11 16 00-0822)</b>		
22 11 16 00-0838 EA 1/2" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union.....	48.73	26.49
22 11 16 00-0839 EA 3/4" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union.....	55.32	30.25
22 11 16 00-0840 EA 1" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union.....	63.24	33.24
22 11 16 00-0841 EA 1-1/4" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union.....	73.13	36.59
22 11 16 00-0842 EA 1-1/2" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union.....	88.95	40.66
22 11 16 00-0843 EA 2" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union.....	114.14	48.79
<b>22 11 16 00-0844 Copper x Female Iron Pipe Thread Dielectric Flanges (22 11 16 00-0822)</b>		
22 11 16 00-0845 EA 2-1/2" Copper x Female Iron Pipe Thread Dielectric Flange.....	282.89	125.43
22 11 16 00-0846 EA 3" Copper x Female Iron Pipe Thread Dielectric Flange.....	354.17	157.96
22 11 16 00-0847 EA 4" Copper x Female Iron Pipe Thread Dielectric Flange.....	499.27	214.99
<b>22 11 16 00-0848 Copper x Female Iron Pipe Thread x Iron Pipe Thread Dielectric Flanges (22 11 16 00-0822)</b>		
22 11 16 00-0849 EA 2-1/2" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Flange.....	284.80	125.43
22 11 16 00-0850 EA 3" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Flange.....	369.29	157.96
22 11 16 00-0851 EA 4" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Flange.....	673.62	214.99
<b>22 11 16 00-0852 Brass Push-Fit Fittings (22 11 16)</b>		
22 11 16 00-0853 EA 1/4" x 1/4" Brass Push-Fit Coupling.....	24.67	11.04
Note: (Sharkbite)		
22 11 16 00-0854 EA 3/8" x 3/8" Brass Push-Fit Coupling.....	30.99	11.77
Note: (Sharkbite)		
22 11 16 00-0855 EA 1/2" x 1/2" Brass Push-Fit Coupling.....	31.92	13.25
Note: (Sharkbite)		
22 11 16 00-0856 EA 5/8" x 5/8" Brass Push-Fit Coupling.....	36.96	14.13
Note: (Sharkbite)		
22 11 16 00-0857 EA 3/4" x 3/4" Brass Push-Fit Coupling.....	37.54	15.09
Note: (Sharkbite)		
22 11 16 00-0858 EA 1" x 1" Brass Push-Fit Coupling.....	53.39	18.03
Note: (Sharkbite)		
22 11 16 00-0859 EA 1/2" x 3/8" Brass Push-Fit Reducing Coupling.....	31.45	12.51
Note: (Sharkbite)		
22 11 16 00-0860 EA 3/4" x 5/8" Brass Push-Fit Reducing Coupling.....	36.57	13.69
Note: (Sharkbite)		
22 11 16 00-0861 EA 1" x 3/4" Brass Push-Fit Reducing Coupling.....	55.24	16.56
Note: (Sharkbite)		
22 11 16 00-0862 EA 1/4" x 1/4" Brass Push-Fit Elbow.....	25.84	11.04
Note: (Sharkbite)		
22 11 16 00-0863 EA 3/8" x 3/8" Brass Push-Fit Elbow.....	35.99	11.77
Note: (Sharkbite)		
22 11 16 00-0864 EA 1/2" x 1/2" Brass Push-Fit Elbow.....	32.56	13.25
Note: (Sharkbite)		
22 11 16 00-0865 EA 5/8" x 5/8" Brass Push-Fit Elbow.....	39.86	14.13
Note: (Sharkbite)		
22 11 16 00-0866 EA 3/4" x 3/4" Brass Push-Fit Elbow.....	36.71	15.09
Note: (Sharkbite)		
22 11 16 00-0867 EA 1" x 1" Brass Push-Fit Elbow.....	54.03	18.03
Note: (Sharkbite)		
22 11 16 00-0868 EA 1/2" x 3/8" Brass Push-Fit Reducing Elbow.....	30.92	12.51
Note: (Sharkbite)		

**22 Plumbing**  
**22 10 Plumbing Piping**  
**22 11 Facility Water Distribution**



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0869	EA	3/4" x 1/2" Brass Push-Fit Reducing Elbow ..... Note: (Sharkbite)	34.50	13.69
22 11 16 00-0870	EA	1" x 3/4" Brass Push-Fit Reducing Elbow ..... Note: (Sharkbite)	69.54	16.56
22 11 16 00-0871	EA	1/4" x 1/4" x 1/4" Brass Push-Fit Tee ..... Note: (Sharkbite)	39.24	16.56
22 11 16 00-0872	EA	3/8" x 3/8" x 3/8" Brass Push-Fit Tee ..... Note: (Sharkbite)	50.34	17.66
22 11 16 00-0873	EA	1/2" x 1/2" x 1/2" Brass Push-Fit Tee ..... Note: (Sharkbite)	45.37	19.87
22 11 16 00-0874	EA	5/8" x 5/8" x 5/8" Brass Push-Fit Tee ..... Note: (Sharkbite)	58.57	21.19
22 11 16 00-0875	EA	3/4" x 3/4" x 3/4" Brass Push-Fit Tee ..... Note: (Sharkbite)	53.03	22.63
22 11 16 00-0876	EA	1" x 1" x 1" Brass Push-Fit Tee ..... Note: (Sharkbite)	73.27	27.04
22 11 16 00-0877	EA	1/2" x 1/2" x 1/4" Brass Push-Fit Reducing Tee ..... Note: (Sharkbite)	51.61	18.76
22 11 16 00-0878	EA	1/2" x 1/2" x 3/8" Brass Push-Fit Reducing Tee ..... Note: (Sharkbite)	51.85	19.13
22 11 16 00-0879	EA	3/4" x 3/4" x 1/2" Brass Push-Fit Reducing Tee ..... Note: (Sharkbite)	51.23	21.72
22 11 16 00-0880	EA	1" x 1" x 3/4" Brass Push-Fit Reducing Tee ..... Note: (Sharkbite)	71.22	25.57
22 11 16 00-0881	EA	1/4" x 1/2" Brass Push-Fit Pipe To FNPT Connector ..... Note: (Sharkbite)	29.56	12.14
22 11 16 00-0882	EA	3/8" x 1/2" Brass Push-Fit Pipe To FNPT Connector ..... Note: (Sharkbite)	29.11	12.51
22 11 16 00-0883	EA	1/2" x 1/2" Brass Push-Fit Pipe To FNPT Connector ..... Note: (Sharkbite)	28.60	13.25
22 11 16 00-0884	EA	3/4" x 3/4" Brass Push-Fit Pipe To FNPT Connector ..... Note: (Sharkbite)	32.76	15.09
22 11 16 00-0885	EA	1" x 1" Brass Push-Fit Pipe To FNPT Connector ..... Note: (Sharkbite)	46.67	18.03
22 11 16 00-0886	EA	1/4" x 1/2" Brass Push-Fit Pipe To MNPT Connector ..... Note: (Sharkbite)	25.55	12.14
22 11 16 00-0887	EA	3/8" x 1/2" Brass Push-Fit Pipe To MNPT Connector ..... Note: (Sharkbite)	29.11	12.51
22 11 16 00-0888	EA	1/2" x 1/2" Brass Push-Fit Pipe To MNPT Connector ..... Note: (Sharkbite)	28.68	13.25
22 11 16 00-0889	EA	3/4" x 3/4" Brass Push-Fit Pipe To MNPT Connector ..... Note: (Sharkbite)	32.40	15.09
22 11 16 00-0890	EA	5/8" x 3/4" Brass Push-Fit Pipe To MNPT Connector ..... Note: (Sharkbite)	35.56	14.60
22 11 16 00-0891	EA	1" x 3/4" Brass Push-Fit Pipe To MNPT Connector ..... Note: (Sharkbite)	42.87	16.56
22 11 16 00-0892	EA	1" x 1" Brass Push-Fit Pipe To MNPT Connector ..... Note: (Sharkbite)	47.41	18.03
22 11 16 00-0893	EA	1/2" Brass Push-Fit Ball Valve ..... Note: (Sharkbite)	42.46	13.25
22 11 16 00-0894	EA	3/4" Brass Push-Fit Ball Valve ..... Note: (Sharkbite)	49.73	15.09
22 11 16 00-0895	EA	1" Brass Push-Fit Ball Valve ..... Note: (Sharkbite)	66.06	18.03
22 11 16 00-0896	EA	1/2" Brass Push-Fit Check Valve ..... Note: (Sharkbite)	45.69	13.25
22 11 16 00-0897	EA	3/4" Brass Push-Fit Check Valve ..... Note: (Sharkbite)	55.17	15.09
22 11 16 00-0898	EA	1" Brass Push-Fit Check Valve ..... Note: (Sharkbite)	94.35	18.03
22 11 16 00-0899		<b>Copper Pipe With Fittings And Hangers Assemblies</b> <small>(22 11 16)</small> Note: Includes hangers and all coupling, elbow, tee and reducer fittings. All fittings are based on 95/5 solder. All hangers are complete assemblies installed in accordance with MSS SP 58 and 69. Excludes insulation. Not for use where detail is available.		
22 11 16 00-0900	LF	1/2" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly ..... Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.	22.94	3.09
		<i>For Type K Tubing Instead Of Type L, Add</i>	1.68	
		<i>For Type M Tubing Instead Of Type L, Deduct</i>	-1.37	
		<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	2.87	
		<i>For For Brazed Fittings, Add</i>	0.69	
		<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-2.01	
		<i>For Work In Restricted Working Space, Add</i>	5.18	
22 11 16 00-0901	LF	3/4" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly ..... Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.	26.62	3.98
		<i>For Type K Tubing Instead Of Type L, Add</i>	2.01	
		<i>For Type M Tubing Instead Of Type L, Deduct</i>	-1.63	
		<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	3.29	
		<i>For For Brazed Fittings, Add</i>	0.78	
		<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-2.31	
		<i>For Work In Restricted Working Space, Add</i>	5.87	



<b>Plumbing</b>	<b>22</b>	<b>22</b>
<b>Plumbing Piping</b>	<b>22 10</b>	
<b>Facility Water Distribution</b>	<b>22 11</b>	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0902	LF	1" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly..... Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available. <i>For Type K Tubing Instead Of Type L, Add</i> <i>For Type M Tubing Instead Of Type L, Deduct</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For For Brazed Fittings, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	29.68  2.42 -1.92 3.54 0.82 -2.51 6.15	4.74
22 11 16 00-0903	LF	1-1/4" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly ..... Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available. <i>For Type K Tubing Instead Of Type L, Add</i> <i>For Type M Tubing Instead Of Type L, Deduct</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For For Brazed Fittings, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct</i>	34.05  3.08 -2.38 3.83 0.85 -2.77 6.39 -1.28	5.52
22 11 16 00-0904	LF	1-1/2" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly ..... Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available. <i>For Type K Tubing Instead Of Type L, Add</i> <i>For Type M Tubing Instead Of Type L, Deduct</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For For Brazed Fittings, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct</i>	38.21  3.61 -2.77 4.18 0.91 -3.05 6.82 -1.55	6.30
22 11 16 00-0905	LF	2" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly..... Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available. <i>For Type K Tubing Instead Of Type L, Add</i> <i>For Type M Tubing Instead Of Type L, Deduct</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For For Brazed Fittings, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct</i>	48.93  5.02 -3.78 5.06 1.05 -3.75 7.85 -2.28	7.84
22 11 16 00-0906	LF	2-1/2" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly ..... Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available. <i>For Type K Tubing Instead Of Type L, Add</i> <i>For Type M Tubing Instead Of Type L, Deduct</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For For Brazed Fittings, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct</i>	61.46  6.95 -5.13 5.88 1.12 -4.48 8.42 -3.34	9.45
22 11 16 00-0907	LF	3" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly..... Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available. <i>For Type K Tubing Instead Of Type L, Add</i> <i>For Type M Tubing Instead Of Type L, Deduct</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For For Brazed Fittings, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct</i>	76.08  9.19 -6.70 6.84 1.21 -5.32 9.11 -4.57	10.97
22 11 16 00-0908	LF	4" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly..... Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available. <i>For Type K Tubing Instead Of Type L, Add</i> <i>For Type M Tubing Instead Of Type L, Deduct</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For For Brazed Fittings, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct</i>	121.23  15.86 -11.41 9.99 1.57 -8.03 11.78 -8.20	14.53
22 11 16 00-0909	LF	5" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly..... Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available. <i>For Type K Tubing Instead Of Type L, Add</i> <i>For Type M Tubing Instead Of Type L, Deduct</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For For Brazed Fittings, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct</i>	223.68  32.23 -22.81 16.23 2.02 -13.71 15.13 -17.33	18.09

**22 Plumbing**  
**22 10 Plumbing Piping**  
**22 11 Facility Water Distribution**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0910	LF		6" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly..... Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available. <i>For Type K Tubing Instead Of Type L, Add</i> <i>For Type M Tubing Instead Of Type L, Deduct</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For For Brazed Fittings, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct</i>	292.99  42.49 -30.04 21.05 2.56 -17.85 19.21 -22.90	21.86
22 11 16 00-0911	LF		8" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly..... Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available. <i>For Type K Tubing Instead Of Type L, Add</i> <i>For Type M Tubing Instead Of Type L, Deduct</i> <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For For Brazed Fittings, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Work In Restricted Working Space, Add</i> <i>For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct</i>	665.06  105.29 -73.44 41.21 3.18 -37.23 23.87 -58.55	26.12
22 11 16 00-0912			<b>Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe And Fittings (22 11 16)</b> Note: Socket weld.		
22 11 16 00-0913			<b>Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe And Fittings (22 11 16 00-0912)</b>		
22 11 16 00-0914			<b>Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pipe (22 11 16 00-0913)</b>		
22 11 16 00-0915	LF		1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe .....	7.30	1.62
			<i>For Work In Restricted Working Space, Add</i>	1.22	
22 11 16 00-0916	LF		3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe .....	8.71	1.70
			<i>For Work In Restricted Working Space, Add</i>	1.28	
22 11 16 00-0917	LF		1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe .....	11.11	1.84
			<i>For Work In Restricted Working Space, Add</i>	1.38	
22 11 16 00-0918	LF		1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe .....	14.02	2.01
			<i>For Work In Restricted Working Space, Add</i>	1.51	
22 11 16 00-0919	LF		1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe .....	16.44	2.22
			<i>For Work In Restricted Working Space, Add</i>	1.67	
22 11 16 00-0920	LF		2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe .....	21.28	2.48
			<i>For Work In Restricted Working Space, Add</i>	1.86	
22 11 16 00-0921	LF		2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe .....	30.12	2.81
			<i>For Work In Restricted Working Space, Add</i>	2.11	
22 11 16 00-0922	LF		3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe .....	39.15	3.34
			<i>For Work In Restricted Working Space, Add</i>	2.50	
22 11 16 00-0923	LF		4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe .....	55.46	4.09
			<i>For Work In Restricted Working Space, Add</i>	3.08	
22 11 16 00-0924	LF		6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe .....	100.49	5.20
			<i>For Work In Restricted Working Space, Add</i>	3.91	
22 11 16 00-0925	LF		8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe .....	146.09	6.83
			<i>For Work In Restricted Working Space, Add</i>	5.12	
22 11 16 00-0926			<b>Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbows (22 11 16 00-0913)</b>		
22 11 16 00-0927	EA		1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow .....	24.38	7.73
			<i>For Work In Restricted Working Space, Add</i>	5.79	
22 11 16 00-0928	EA		3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow .....	32.29	9.75
			<i>For Work In Restricted Working Space, Add</i>	7.32	
22 11 16 00-0929	EA		1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow .....	43.06	12.19
			<i>For Work In Restricted Working Space, Add</i>	9.18	
22 11 16 00-0930	EA		1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow .....	62.24	15.25
			<i>For Work In Restricted Working Space, Add</i>	11.47	
22 11 16 00-0931	EA		1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow .....	69.39	16.87
			<i>For Work In Restricted Working Space, Add</i>	12.68	
22 11 16 00-0932	EA		2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow .....	83.71	16.87
			<i>For Work In Restricted Working Space, Add</i>	14.15	
22 11 16 00-0933	EA		2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow .....	148.87	21.44
			<i>For Work In Restricted Working Space, Add</i>	16.10	
22 11 16 00-0934	EA		3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow .....	166.87	25.42
			<i>For Work In Restricted Working Space, Add</i>	19.03	
22 11 16 00-0935	EA		4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow .....	250.58	31.21
			<i>For Work In Restricted Working Space, Add</i>	23.42	
22 11 16 00-0936	EA		6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow .....	315.45	39.64
			<i>For Work In Restricted Working Space, Add</i>	29.76	
22 11 16 00-0937	EA		8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow .....	659.34	52.04
			<i>For Work In Restricted Working Space, Add</i>	39.03	
22 11 16 00-0938			<b>Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbows (22 11 16 00-0913)</b>		
22 11 16 00-0939	EA		1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow .....	26.91	7.73
			<i>For Work In Restricted Working Space, Add</i>	5.79	
22 11 16 00-0940	EA		3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow .....	35.32	9.75
			<i>For Work In Restricted Working Space, Add</i>	7.32	



<b>Plumbing</b>	<b>22</b>	<b>22</b>
<b>Plumbing Piping</b>	<b>22 10</b>	
<b>Facility Water Distribution</b>	<b>22 11</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0941 EA 1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	47.99 9.18	12.19
22 11 16 00-0942 EA 1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	68.71 11.47	15.25
22 11 16 00-0943 EA 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	77.28 12.68	16.87
22 11 16 00-0944 EA 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	86.39 14.15	18.91
22 11 16 00-0945 EA 2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	150.56 16.10	21.44
22 11 16 00-0946 EA 3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	166.66 19.03	25.42
22 11 16 00-0947 EA 4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	219.68 23.42	31.21
22 11 16 00-0948 EA 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	373.40 29.76	39.64
22 11 16 00-0949 EA 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	700.39 39.03	52.04
<b>22 11 16 00-0950 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tees (22 11 16 00-0913)</b>		
22 11 16 00-0951 EA 1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee ..... <i>For Work In Restricted Working Space, Add</i>	38.20 8.69	11.59
22 11 16 00-0952 EA 3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee ..... <i>For Work In Restricted Working Space, Add</i>	51.31 10.98	14.63
22 11 16 00-0953 EA 1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee ..... <i>For Work In Restricted Working Space, Add</i>	64.04 13.78	18.40
22 11 16 00-0954 EA 1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee ..... <i>For Work In Restricted Working Space, Add</i>	95.49 17.20	22.98
22 11 16 00-0955 EA 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee ..... <i>For Work In Restricted Working Space, Add</i>	107.16 19.03	25.42
22 11 16 00-0956 EA 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee ..... <i>For Work In Restricted Working Space, Add</i>	135.97 21.22	28.26
22 11 16 00-0957 EA 2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee ..... <i>For Work In Restricted Working Space, Add</i>	187.66 24.15	32.23
22 11 16 00-0958 EA 3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee ..... <i>For Work In Restricted Working Space, Add</i>	211.73 28.54	38.01
22 11 16 00-0959 EA 4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee ..... <i>For Work In Restricted Working Space, Add</i>	254.83 35.13	46.86
22 11 16 00-0960 EA 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee ..... <i>For Work In Restricted Working Space, Add</i>	417.93 44.64	59.57
22 11 16 00-0961 EA 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee ..... <i>For Work In Restricted Working Space, Add</i>	965.63 58.55	78.07
<b>22 11 16 00-0962 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Crosses (22 11 16 00-0913)</b>		
22 11 16 00-0963 EA 1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross ..... <i>For Work In Restricted Working Space, Add</i>	46.57 11.59	15.45
22 11 16 00-0964 EA 3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross ..... <i>For Work In Restricted Working Space, Add</i>	61.47 14.64	19.52
22 11 16 00-0965 EA 1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross ..... <i>For Work In Restricted Working Space, Add</i>	76.78 18.36	24.50
22 11 16 00-0966 EA 1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross ..... <i>For Work In Restricted Working Space, Add</i>	109.31 22.93	30.59
22 11 16 00-0967 EA 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross ..... <i>For Work In Restricted Working Space, Add</i>	122.24 25.37	33.85
22 11 16 00-0968 EA 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross ..... <i>For Work In Restricted Working Space, Add</i>	150.51 28.30	37.71
22 11 16 00-0969 EA 2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross ..... <i>For Work In Restricted Working Space, Add</i>	199.63 32.20	42.90
22 11 16 00-0970 EA 3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross ..... <i>For Work In Restricted Working Space, Add</i>	227.27 38.06	50.72
22 11 16 00-0971 EA 4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross ..... <i>For Work In Restricted Working Space, Add</i>	274.76 46.84	62.41
22 11 16 00-0972 EA 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross ..... <i>For Work In Restricted Working Space, Add</i>	430.21 59.52	79.39
22 11 16 00-0973 EA 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross ..... <i>For Work In Restricted Working Space, Add</i>	923.84 78.07	104.09
<b>22 11 16 00-0974 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld Reducing Inserts (22 11 16 00-0913)</b>		
22 11 16 00-0975 EA 3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert..... <i>For Work In Restricted Working Space, Add</i>	20.92 5.37	7.11
22 11 16 00-0976 EA 1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert..... <i>For Work In Restricted Working Space, Add</i>	30.01 7.23	9.65
22 11 16 00-0977 EA 1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert ..... <i>For Work In Restricted Working Space, Add</i>	58.55 9.45	12.61
22 11 16 00-0978 EA 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert ..... <i>For Work In Restricted Working Space, Add</i>	66.77 10.46	13.93
22 11 16 00-0979 EA 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert..... <i>For Work In Restricted Working Space, Add</i>	80.83 11.68	15.55

**22 Plumbing**  
**22 10 Plumbing Piping**  
**22 11 Facility Water Distribution**



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0980	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert <i>For Work In Restricted Working Space, Add</i>	86.22 13.30	17.69
22 11 16 00-0981	EA	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert <i>For Work In Restricted Working Space, Add</i>	106.01 15.71	20.94
22 11 16 00-0982	EA	4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert <i>For Work In Restricted Working Space, Add</i>	150.42 19.33	25.72
22 11 16 00-0983	EA	6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert <i>For Work In Restricted Working Space, Add</i>	264.98 24.55	32.73
22 11 16 00-0984	EA	8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert <i>For Work In Restricted Working Space, Add</i>	658.39 32.20	42.90
<b>22 11 16 00-0985 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Thread Reducing Inserts (22 11 16 00-0913)</b>				
22 11 16 00-0986	EA	1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert <i>For Work In Restricted Working Space, Add</i>	32.57 3.81	5.08
22 11 16 00-0987	EA	3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert <i>For Work In Restricted Working Space, Add</i>	39.30 5.37	7.11
22 11 16 00-0988	EA	1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert <i>For Work In Restricted Working Space, Add</i>	47.04 7.23	9.65
22 11 16 00-0989	EA	1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert <i>For Work In Restricted Working Space, Add</i>	57.07 9.45	12.61
22 11 16 00-0990	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert <i>For Work In Restricted Working Space, Add</i>	68.95 10.46	13.93
22 11 16 00-0991	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert <i>For Work In Restricted Working Space, Add</i>	91.67 11.68	15.55
22 11 16 00-0992	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert <i>For Work In Restricted Working Space, Add</i>	157.06 13.30	17.69
22 11 16 00-0993	EA	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert <i>For Work In Restricted Working Space, Add</i>	346.82 15.71	20.94
22 11 16 00-0994	EA	4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert <i>For Work In Restricted Working Space, Add</i>	528.54 19.33	25.72
<b>22 11 16 00-0995 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters (22 11 16 00-0913)</b>				
22 11 16 00-0996	EA	1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters <i>For Work In Restricted Working Space, Add</i>	20.31 3.81	5.08
22 11 16 00-0997	EA	3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters <i>For Work In Restricted Working Space, Add</i>	28.17 5.37	7.11
22 11 16 00-0998	EA	1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters <i>For Work In Restricted Working Space, Add</i>	41.41 7.23	9.65
22 11 16 00-0999	EA	1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters <i>For Work In Restricted Working Space, Add</i>	57.07 9.45	12.61
22 11 16 00-1000	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters <i>For Work In Restricted Working Space, Add</i>	69.45 10.46	13.93
22 11 16 00-1001	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters <i>For Work In Restricted Working Space, Add</i>	85.69 11.68	15.55
22 11 16 00-1002	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters <i>For Work In Restricted Working Space, Add</i>	132.83 13.30	17.69
22 11 16 00-1003	EA	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters <i>For Work In Restricted Working Space, Add</i>	159.38 15.71	20.94
22 11 16 00-1004	EA	4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters <i>For Work In Restricted Working Space, Add</i>	245.40 19.33	25.72
<b>22 11 16 00-1005 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters (22 11 16 00-0913)</b>				
22 11 16 00-1006	EA	1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters <i>For Work In Restricted Working Space, Add</i>	23.21 3.81	5.08
22 11 16 00-1007	EA	3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters <i>For Work In Restricted Working Space, Add</i>	29.09 5.37	7.11
22 11 16 00-1008	EA	1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters <i>For Work In Restricted Working Space, Add</i>	41.65 7.23	9.65
22 11 16 00-1009	EA	1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters <i>For Work In Restricted Working Space, Add</i>	57.92 9.45	12.61
22 11 16 00-1010	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters <i>For Work In Restricted Working Space, Add</i>	65.57 10.46	13.93
22 11 16 00-1011	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters <i>For Work In Restricted Working Space, Add</i>	82.52 11.68	15.55
22 11 16 00-1012	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters <i>For Work In Restricted Working Space, Add</i>	134.67 13.30	17.69
22 11 16 00-1013	EA	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters <i>For Work In Restricted Working Space, Add</i>	191.35 15.71	20.94
22 11 16 00-1014	EA	4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters <i>For Work In Restricted Working Space, Add</i>	299.76 19.33	25.72



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>22 11 16 00-1015 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings <small>(22 11 16 00-0913)</small></b>						
22 11 16 00-1016	EA			1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings.....	18.07	4.68
				<i>For Work In Restricted Working Space, Add</i>	3.48	
22 11 16 00-1017	EA			3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings.....	25.41	6.51
				<i>For Work In Restricted Working Space, Add</i>	4.88	
22 11 16 00-1018	EA			1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings.....	34.19	8.74
				<i>For Work In Restricted Working Space, Add</i>	6.56	
22 11 16 00-1019	EA			1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings.....	47.04	11.49
				<i>For Work In Restricted Working Space, Add</i>	8.60	
22 11 16 00-1020	EA			1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings.....	54.88	12.71
				<i>For Work In Restricted Working Space, Add</i>	9.51	
22 11 16 00-1021	EA			2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings.....	62.27	14.13
				<i>For Work In Restricted Working Space, Add</i>	10.61	
22 11 16 00-1022	EA			2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings.....	104.75	16.06
				<i>For Work In Restricted Working Space, Add</i>	12.08	
22 11 16 00-1023	EA			3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings.....	112.72	19.01
				<i>For Work In Restricted Working Space, Add</i>	14.27	
22 11 16 00-1024	EA			4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings.....	143.89	23.38
				<i>For Work In Restricted Working Space, Add</i>	17.57	
22 11 16 00-1025	EA			6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings.....	242.77	29.78
				<i>For Work In Restricted Working Space, Add</i>	22.32	
22 11 16 00-1026	EA			8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings.....	438.74	39.03
				<i>For Work In Restricted Working Space, Add</i>	29.27	
<b>22 11 16 00-1027 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions <small>(22 11 16 00-0913)</small></b>						
22 11 16 00-1028	EA			1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions.....	41.53	5.59
				<i>For Work In Restricted Working Space, Add</i>	4.18	
22 11 16 00-1029	EA			3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions.....	48.46	7.83
				<i>For Work In Restricted Working Space, Add</i>	5.86	
22 11 16 00-1030	EA			1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions.....	56.08	10.47
				<i>For Work In Restricted Working Space, Add</i>	7.87	
22 11 16 00-1031	EA			1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions.....	104.56	13.73
				<i>For Work In Restricted Working Space, Add</i>	10.31	
22 11 16 00-1032	EA			1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions.....	109.48	15.25
				<i>For Work In Restricted Working Space, Add</i>	11.40	
22 11 16 00-1033	EA			2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions.....	161.07	16.97
				<i>For Work In Restricted Working Space, Add</i>	12.75	
22 11 16 00-1034	EA			2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions.....	294.16	19.31
				<i>For Work In Restricted Working Space, Add</i>	14.48	
22 11 16 00-1035	EA			3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions.....	428.71	22.88
				<i>For Work In Restricted Working Space, Add</i>	17.14	
22 11 16 00-1036	EA			4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions.....	701.92	28.06
				<i>For Work In Restricted Working Space, Add</i>	21.07	
22 11 16 00-1037	EA			6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions.....	942.38	35.67
				<i>For Work In Restricted Working Space, Add</i>	26.78	
22 11 16 00-1038	EA			8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions.....	1,159.22	46.86
				<i>For Work In Restricted Working Space, Add</i>	35.13	
<b>22 11 16 00-1039 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Caps <small>(22 11 16 00-0913)</small></b>						
22 11 16 00-1040	EA			1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap.....	17.46	4.78
				<i>For Work In Restricted Working Space, Add</i>	2.18	
22 11 16 00-1041	EA			3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap.....	23.65	6.00
				<i>For Work In Restricted Working Space, Add</i>	2.75	
22 11 16 00-1042	EA			1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap.....	37.11	7.52
				<i>For Work In Restricted Working Space, Add</i>	3.44	
22 11 16 00-1043	EA			1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap.....	42.43	5.69
				<i>For Work In Restricted Working Space, Add</i>	4.30	
22 11 16 00-1044	EA			1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap.....	44.52	6.30
				<i>For Work In Restricted Working Space, Add</i>	4.76	
22 11 16 00-1045	EA			2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap.....	63.83	7.11
				<i>For Work In Restricted Working Space, Add</i>	5.31	
22 11 16 00-1046	EA			2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap.....	103.21	8.03
				<i>For Work In Restricted Working Space, Add</i>	6.04	
22 11 16 00-1047	EA			3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap.....	108.77	9.55
				<i>For Work In Restricted Working Space, Add</i>	7.13	
22 11 16 00-1048	EA			4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap.....	172.63	11.69
				<i>For Work In Restricted Working Space, Add</i>	8.78	
22 11 16 00-1049	EA			6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap.....	393.92	14.84
				<i>For Work In Restricted Working Space, Add</i>	11.16	
22 11 16 00-1050	EA			8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap.....	506.83	19.52
				<i>For Work In Restricted Working Space, Add</i>	14.64	
<b>22 11 16 00-1051 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges <small>(22 11 16 00-0913)</small></b>						
22 11 16 00-1052	EA			1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges.....	33.90	3.66
				<i>For Work In Restricted Working Space, Add</i>	2.78	
22 11 16 00-1053	EA			3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges.....	39.42	5.18
				<i>For Work In Restricted Working Space, Add</i>	3.90	
22 11 16 00-1054	EA			1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges.....	46.91	7.01
				<i>For Work In Restricted Working Space, Add</i>	5.24	

**22 Plumbing**  
**22 10 Plumbing Piping**  
**22 11 Facility Water Distribution**



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-1055 EA 1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	53.26 6.89	9.15
22 11 16 00-1056 EA 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	56.40 7.63	10.17
22 11 16 00-1057 EA 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	69.46 8.48	11.29
22 11 16 00-1058 EA 2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	96.53 9.67	12.91
22 11 16 00-1059 EA 3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	108.14 11.40	15.25
22 11 16 00-1060 EA 4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	135.72 14.06	18.70
22 11 16 00-1061 EA 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	199.27 17.87	23.78
22 11 16 00-1062 EA 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	393.24 23.42	31.21
<b>22 11 16 00-1063 Red Brass Pipe And Fittings</b> <small>(22 11 16)</small> Note: ASTM B43 And B251 (Pipe), ASME B16.15.		
<b>22 11 16 00-1064 Schedule 40 Red Brass Pipe</b> <small>(22 11 16 00-1063)</small>		
22 11 16 00-1065 LF 1/2" Schedule 40 Red Brass Pipe	28.79	2.14
22 11 16 00-1066 LF 3/4" Schedule 40 Red Brass Pipe	38.19	2.14
22 11 16 00-1067 LF 1" Schedule 40 Red Brass Pipe	52.19	2.14
22 11 16 00-1068 LF 1-1/4" Schedule 40 Red Brass Pipe	76.60	2.34
22 11 16 00-1069 LF 1-1/2" Schedule 40 Red Brass Pipe	88.23	2.54
22 11 16 00-1070 LF 2" Schedule 40 Red Brass Pipe	113.09	3.05
22 11 16 00-1071 LF 2-1/2" Schedule 40 Red Brass Pipe	164.55	3.46
22 11 16 00-1072 LF 3" Schedule 40 Red Brass Pipe	232.58	3.66
22 11 16 00-1073 LF 4" Schedule 40 Red Brass Pipe	333.47	3.66
<b>22 11 16 00-1074 125 LB Cast Bronze, Screwed, 90 Degree Elbows</b> <small>(22 11 16 00-1063)</small>		
22 11 16 00-1075 EA 1/2" 125 LB Cast Bronze, Screwed, 90 Degree Elbow	59.60	25.31
22 11 16 00-1076 EA 3/4" 125 LB Cast Bronze, Screwed, 90 Degree Elbow	67.67	27.85
22 11 16 00-1077 EA 1" 125 LB Cast Bronze, Screwed, 90 Degree Elbow	85.31	32.93
22 11 16 00-1078 EA 1-1/4" 125 LB Cast Bronze, Screwed, 90 Degree Elbow	102.41	35.37
22 11 16 00-1079 EA 1-1/2" 125 LB Cast Bronze, Screwed, 90 Degree Elbow	114.97	37.91
22 11 16 00-1080 EA 2" 125 LB Cast Bronze, Screwed, 90 Degree Elbow	144.04	40.46
22 11 16 00-1081 EA 2-1/2" 125 LB Cast Bronze, Screwed, 90 Degree Elbow	246.96	50.62
22 11 16 00-1082 EA 3" 125 LB Cast Bronze, Screwed, 90 Degree Elbow	344.03	60.69
22 11 16 00-1083 EA 4" 125 LB Cast Bronze, Screwed, 90 Degree Elbow	612.60	80.91
<b>22 11 16 00-1084 125 LB Cast Bronze, Screwed, 90 Degree Reducing Elbows</b> <small>(22 11 16 00-1063)</small>		
22 11 16 00-1085 EA 1/2" 125 LB Cast Bronze, Screwed, 90 Degree Reducing Elbow	62.61	25.31
22 11 16 00-1086 EA 3/4" 125 LB Cast Bronze, Screwed, 90 Degree Reducing Elbow	72.04	27.85
22 11 16 00-1087 EA 1" 125 LB Cast Bronze, Screwed, 90 Degree Reducing Elbow	94.46	32.93
22 11 16 00-1088 EA 1-1/4" 125 LB Cast Bronze, Screwed, 90 Degree Reducing Elbow	114.40	35.37
22 11 16 00-1089 EA 1-1/2" 125 LB Cast Bronze, Screwed, 90 Degree Reducing Elbow	131.48	37.91
22 11 16 00-1090 EA 2" 125 LB Cast Bronze, Screwed, 90 Degree Reducing Elbow	180.10	40.46
22 11 16 00-1091 EA 2-1/2" 125 LB Cast Bronze, Screwed, 90 Degree Reducing Elbow	276.99	50.62
22 11 16 00-1092 EA 3" 125 LB Cast Bronze, Screwed, 90 Degree Reducing Elbow	436.36	60.69
22 11 16 00-1093 EA 4" 125 LB Cast Bronze, Screwed, 90 Degree Reducing Elbow	873.88	80.91
<b>22 11 16 00-1094 125 LB Cast Bronze, Screwed, 45 Degree Elbows</b> <small>(22 11 16 00-1063)</small>		
22 11 16 00-1095 EA 1/2" 125 LB Cast Bronze, Screwed, 45 Degree Elbow	61.13	25.31
22 11 16 00-1096 EA 3/4" 125 LB Cast Bronze, Screwed, 45 Degree Elbow	70.66	27.85
22 11 16 00-1097 EA 1" 125 LB Cast Bronze, Screwed, 45 Degree Elbow	91.33	32.93
22 11 16 00-1098 EA 1-1/4" 125 LB Cast Bronze, Screwed, 45 Degree Elbow	111.42	35.37
22 11 16 00-1099 EA 1-1/2" 125 LB Cast Bronze, Screwed, 45 Degree Elbow	126.97	37.91
22 11 16 00-1100 EA 2" 125 LB Cast Bronze, Screwed, 45 Degree Elbow	163.57	40.46
22 11 16 00-1101 EA 2-1/2" 125 LB Cast Bronze, Screwed, 45 Degree Elbow	258.93	50.62
22 11 16 00-1102 EA 3" 125 LB Cast Bronze, Screwed, 45 Degree Elbow	364.53	60.69
22 11 16 00-1103 EA 4" 125 LB Cast Bronze, Screwed, 45 Degree Elbow	813.17	80.91
<b>22 11 16 00-1104 125 LB Cast Bronze, Screwed, Tees</b> <small>(22 11 16 00-1063)</small>		
22 11 16 00-1105 EA 1/2" 125 LB Cast Bronze, Screwed, Tee	86.42	37.91
22 11 16 00-1106 EA 3/4" 125 LB Cast Bronze, Screwed, Tee	97.98	41.47
22 11 16 00-1107 EA 1" 125 LB Cast Bronze, Screwed, Tee	125.21	49.10
22 11 16 00-1108 EA 1-1/4" 125 LB Cast Bronze, Screwed, Tee	152.83	53.16
22 11 16 00-1109 EA 1-1/2" 125 LB Cast Bronze, Screwed, Tee	165.91	56.61
22 11 16 00-1110 EA 2" 125 LB Cast Bronze, Screwed, Tee	208.55	60.69
22 11 16 00-1111 EA 2-1/2" 125 LB Cast Bronze, Screwed, Tee	350.09	75.93
22 11 16 00-1112 EA 3" 125 LB Cast Bronze, Screwed, Tee	485.31	91.08
22 11 16 00-1113 EA 4" 125 LB Cast Bronze, Screwed, Tee	994.02	121.37





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>22 11 16 00-1114</b> <b>125 LB Cast Bronze, Screwed, Reducing Tees</b> <small>(22 11 16 00-1063)</small>		
22 11 16 00-1115    EA    1/2" 125 LB Cast Bronze, Screwed, Reducing Tee .....	90.91	37.91
22 11 16 00-1116    EA    3/4" 125 LB Cast Bronze, Screwed, Reducing Tee .....	101.01	41.47
22 11 16 00-1117    EA    1" 125 LB Cast Bronze, Screwed, Reducing Tee .....	137.23	49.10
22 11 16 00-1118    EA    1-1/4" 125 LB Cast Bronze, Screwed, Reducing Tee .....	161.84	53.16
22 11 16 00-1119    EA    1-1/2" 125 LB Cast Bronze, Screwed, Reducing Tee .....	189.95	56.61
22 11 16 00-1120    EA    2" 125 LB Cast Bronze, Screwed, Reducing Tee .....	246.11	60.69
22 11 16 00-1121    EA    2-1/2" 125 LB Cast Bronze, Screwed, Reducing Tee .....	423.14	75.93
22 11 16 00-1122    EA    3" 125 LB Cast Bronze, Screwed, Reducing Tee .....	802.75	91.08
22 11 16 00-1123    EA    4" 125 LB Cast Bronze, Screwed, Reducing Tee .....	1,244.41	121.37
<b>22 11 16 00-1124</b> <b>125 LB Cast Bronze, Screwed, Crosses</b> <small>(22 11 16 00-1063)</small>		
22 11 16 00-1125    EA    1/2" 125 LB Cast Bronze, Screwed, Cross .....	122.23	50.62
22 11 16 00-1126    EA    3/4" 125 LB Cast Bronze, Screwed, Cross .....	141.35	55.60
22 11 16 00-1127    EA    1" 125 LB Cast Bronze, Screwed, Cross .....	178.12	65.76
22 11 16 00-1128    EA    1-1/4" 125 LB Cast Bronze, Screwed, Cross .....	220.48	70.85
22 11 16 00-1129    EA    1-1/2" 125 LB Cast Bronze, Screwed, Cross .....	260.35	75.93
22 11 16 00-1130    EA    2" 125 LB Cast Bronze, Screwed, Cross .....	378.98	80.91
22 11 16 00-1131    EA    2-1/2" 125 LB Cast Bronze, Screwed, Cross .....	613.07	101.14
22 11 16 00-1132    EA    3" 125 LB Cast Bronze, Screwed, Cross .....	845.30	121.37
22 11 16 00-1133    EA    4" 125 LB Cast Bronze, Screwed, Cross .....	1,555.95	161.92
<b>22 11 16 00-1134</b> <b>125 LB Cast Bronze, Screwed, Caps</b> <small>(22 11 16 00-1063)</small>		
22 11 16 00-1135    EA    1/2" 125 LB Cast Bronze, Screwed, Cap .....	28.76	15.05
22 11 16 00-1136    EA    3/4" 125 LB Cast Bronze, Screwed, Cap .....	32.57	16.57
22 11 16 00-1137    EA    1" 125 LB Cast Bronze, Screwed, Cap .....	43.23	19.52
22 11 16 00-1138    EA    1-1/4" 125 LB Cast Bronze, Screwed, Cap .....	55.90	21.04
22 11 16 00-1139    EA    1-1/2" 125 LB Cast Bronze, Screwed, Cap .....	65.73	22.56
22 11 16 00-1140    EA    2" 125 LB Cast Bronze, Screwed, Cap .....	90.52	24.09
22 11 16 00-1141    EA    2-1/2" 125 LB Cast Bronze, Screwed, Cap .....	144.67	30.09
22 11 16 00-1142    EA    3" 125 LB Cast Bronze, Screwed, Cap .....	207.92	36.09
22 11 16 00-1143    EA    4" 125 LB Cast Bronze, Screwed, Cap .....	365.15	48.08
<b>22 11 16 00-1144</b> <b>125 LB Cast Bronze, Screwed, Couplings</b> <small>(22 11 16 00-1063)</small>		
22 11 16 00-1145    EA    1/2" 125 LB Cast Bronze, Screwed, Coupling .....	58.12	25.31
22 11 16 00-1146    EA    3/4" 125 LB Cast Bronze, Screwed, Coupling .....	66.19	27.85
22 11 16 00-1147    EA    1" 125 LB Cast Bronze, Screwed, Coupling .....	83.80	32.93
22 11 16 00-1148    EA    1-1/4" 125 LB Cast Bronze, Screwed, Coupling .....	100.88	35.37
22 11 16 00-1149    EA    1-1/2" 125 LB Cast Bronze, Screwed, Coupling .....	114.97	37.91
22 11 16 00-1150    EA    2" 125 LB Cast Bronze, Screwed, Coupling .....	145.55	40.46
22 11 16 00-1151    EA    2-1/2" 125 LB Cast Bronze, Screwed, Coupling .....	206.36	50.62
22 11 16 00-1152    EA    3" 125 LB Cast Bronze, Screwed, Coupling .....	267.19	60.69
22 11 16 00-1153    EA    4" 125 LB Cast Bronze, Screwed, Coupling .....	462.35	80.91
<b>22 11 16 00-1154</b> <b>125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Pipe Sizes, Bell Reducers</b> <small>(22 11 16 00-1063)</small>		
22 11 16 00-1155    EA    1/2" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Pipe Sizes, Bell Reducer .....	51.49	20.23
22 11 16 00-1156    EA    3/4" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Pipe Sizes, Bell Reducer .....	58.84	22.76
22 11 16 00-1157    EA    1" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Pipe Sizes, Bell Reducer .....	79.90	30.39
22 11 16 00-1158    EA    1-1/4" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Pipe Sizes, Bell Reducer .....	95.72	32.93
22 11 16 00-1159    EA    1-1/2" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Pipe Sizes, Bell Reducer .....	108.57	35.37
22 11 16 00-1160    EA    2" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Pipe Sizes, Bell Reducer .....	131.72	37.91
22 11 16 00-1161    EA    2-1/2" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Pipe Sizes, Bell Reducer .....	192.58	48.08
22 11 16 00-1162    EA    3" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Pipe Sizes, Bell Reducer .....	233.84	55.60
22 11 16 00-1163    EA    4" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Pipe Sizes, Bell Reducer .....	408.78	73.39
<b>22 11 16 00-1164</b> <b>125 LB Cast Bronze, Screwed, Reducing 2 Or More Pipe Sizes, Bell Reducers</b> <small>(22 11 16 00-1063)</small>		
22 11 16 00-1165    EA    3/4" 125 LB Cast Bronze, Screwed, Reducing 2 Or More Pipe Sizes, Bell Reducer .....	52.73	20.23
22 11 16 00-1166    EA    1" 125 LB Cast Bronze, Screwed, Reducing 2 Or More Pipe Sizes, Bell Reducer .....	96.01	27.85
22 11 16 00-1167    EA    1-1/4" 125 LB Cast Bronze, Screwed, Reducing 2 Or More Pipe Sizes, Bell Reducer .....	126.49	30.39
22 11 16 00-1168    EA    1-1/2" 125 LB Cast Bronze, Screwed, Reducing 2 Or More Pipe Sizes, Bell Reducer .....	148.31	32.93
22 11 16 00-1169    EA    2" 125 LB Cast Bronze, Screwed, Reducing 2 Or More Pipe Sizes, Bell Reducer .....	198.36	37.91
22 11 16 00-1170    EA    2-1/2" 125 LB Cast Bronze, Screwed, Reducing 2 Or More Pipe Sizes, Bell Reducer .....	306.20	48.08
22 11 16 00-1171    EA    3" 125 LB Cast Bronze, Screwed, Reducing 2 Or More Pipe Sizes, Bell Reducer .....	370.61	50.62
22 11 16 00-1172    EA    4" 125 LB Cast Bronze, Screwed, Reducing 2 Or More Pipe Sizes, Bell Reducer .....	420.03	65.76
<b>22 11 16 00-1173</b> <b>125 LB Cast Bronze, FIP Threaded, Unions</b> <small>(22 11 16 00-1063)</small>		
22 11 16 00-1174    EA    1/2" 125 LB Cast Bronze, FIP Threaded, Union .....	64.51	20.23
For 150 LB, Add	9.62	
22 11 16 00-1175    EA    3/4" 125 LB Cast Bronze, FIP Threaded, Union .....	77.57	22.26
For 150 LB, Add	13.22	
22 11 16 00-1176    EA    1" 125 LB Cast Bronze, FIP Threaded, Union .....	96.19	26.32
For 150 LB, Add	17.43	

**22 Plumbing**  
**22 10 Plumbing Piping**  
**22 11 Facility Water Distribution**



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-1177 EA 1-1/4" 125 LB Cast Bronze, FIP Threaded, Union ..... <i>For 150 LB, Add</i>	119.75 25.23	28.36
22 11 16 00-1178 EA 1-1/2" 125 LB Cast Bronze, FIP Threaded, Union ..... <i>For 150 LB, Add</i>	135.86 30.06	30.39
22 11 16 00-1179 EA 2" 125 LB Cast Bronze, FIP Threaded, Union ..... <i>For 150 LB, Add</i>	160.60 36.72	34.35
22 11 16 00-1180 EA 2-1/2" 125 LB Cast Bronze, FIP Threaded, Union ..... <i>For 150 LB, Add</i> <i>For 250 LB, Add</i> <i>For 300 LB, Add</i>	278.14 70.60 150.02 211.79	50.82
22 11 16 00-1181 EA 3" 125 LB Cast Bronze, FIP Threaded, Union ..... <i>For 150 LB, Add</i> <i>For 250 LB, Add</i> <i>For 300 LB, Add</i>	406.36 109.08 231.79 327.23	66.83
22 11 16 00-1182 EA 4" 125 LB Cast Bronze, FIP Threaded, Union ..... <i>For 150 LB, Add</i> <i>For 250 LB, Add</i> <i>For 300 LB, Add</i>	749.60 240.60 511.28 721.80	74.00
<b>22 11 16 00-1183 125 LB Cast Bronze, Screwed, Companion Flanges</b> (22 11 16 00-1063) Note: Excludes bolt and gasket sets		
22 11 16 00-1184 EA 1/2" 125 LB Cast Bronze, Screwed, Companion Flange .....	183.78	25.31
22 11 16 00-1185 EA 3/4" 125 LB Cast Bronze, Screwed, Companion Flange .....	200.04	30.39
22 11 16 00-1186 EA 1" 125 LB Cast Bronze, Screwed, Companion Flange .....	229.24	35.37
22 11 16 00-1187 EA 1-1/4" 125 LB Cast Bronze, Screwed, Companion Flange .....	261.63	37.91
22 11 16 00-1188 EA 1-1/2" 125 LB Cast Bronze, Screwed, Companion Flange .....	310.37	40.46
22 11 16 00-1189 EA 2" 125 LB Cast Bronze, Screwed, Companion Flange .....	391.97	43.00
22 11 16 00-1190 EA 2-1/2" 125 LB Cast Bronze, Screwed, Companion Flange .....	494.53	50.62
22 11 16 00-1191 EA 3" 125 LB Cast Bronze, Screwed, Companion Flange .....	612.70	63.23
22 11 16 00-1192 EA 4" 125 LB Cast Bronze, Screwed, Companion Flange .....	873.60	88.54
<b>22 11 16 00-1193 125 LB Cast Bronze, Screwed, Square Head Plugs</b> (22 11 16 00-1063)		
22 11 16 00-1194 EA 1/2" 125 LB Cast Bronze, Screwed, Square Head Plug .....	17.74	
22 11 16 00-1195 EA 3/4" 125 LB Cast Bronze, Screwed, Square Head Plug .....	18.34	
22 11 16 00-1196 EA 1" 125 LB Cast Bronze, Screwed, Square Head Plug .....	28.28	
22 11 16 00-1197 EA 1-1/4" 125 LB Cast Bronze, Screwed, Square Head Plug .....	32.79	
22 11 16 00-1198 EA 1-1/2" 125 LB Cast Bronze, Screwed, Square Head Plug .....	37.45	
22 11 16 00-1199 EA 2" 125 LB Cast Bronze, Screwed, Square Head Plug .....	56.41	
22 11 16 00-1200 EA 2-1/2" 125 LB Cast Bronze, Screwed, Square Head Plug .....	85.72	
22 11 16 00-1201 EA 3" 125 LB Cast Bronze, Screwed, Square Head Plug .....	125.93	
22 11 16 00-1202 EA 4" 125 LB Cast Bronze, Screwed, Square Head Plug .....	212.82	
<b>22 11 16 00-1203 125 LB Cast Bronze, Screwed, Counter Sunk Plugs</b> (22 11 16 00-1063)		
22 11 16 00-1204 EA 1/2" 125 LB Cast Bronze, Screwed, Counter Sunk Plug .....	7.53	
22 11 16 00-1205 EA 3/4" 125 LB Cast Bronze, Screwed, Counter Sunk Plug .....	9.01	
22 11 16 00-1206 EA 1" 125 LB Cast Bronze, Screwed, Counter Sunk Plug .....	13.55	
22 11 16 00-1207 EA 1-1/4" 125 LB Cast Bronze, Screwed, Counter Sunk Plug .....	21.05	
22 11 16 00-1208 EA 1-1/2" 125 LB Cast Bronze, Screwed, Counter Sunk Plug .....	33.33	
22 11 16 00-1209 EA 2" 125 LB Cast Bronze, Screwed, Counter Sunk Plug .....	51.66	
22 11 16 00-1210 EA 2-1/2" 125 LB Cast Bronze, Screwed, Counter Sunk Plug .....	100.55	
22 11 16 00-1211 EA 3" 125 LB Cast Bronze, Screwed, Counter Sunk Plug .....	162.84	
22 11 16 00-1212 EA 4" 125 LB Cast Bronze, Screwed, Counter Sunk Plug .....	397.15	
<b>22 11 16 00-1213 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Hex Bushings</b> (22 11 16 00-1063)		
22 11 16 00-1214 EA 1/2" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Hex Bushing .....	6.00	
22 11 16 00-1215 EA 3/4" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Hex Bushing .....	7.53	
22 11 16 00-1216 EA 1" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Hex Bushing .....	10.54	
22 11 16 00-1217 EA 1-1/4" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Hex Bushing .....	18.04	
22 11 16 00-1218 EA 1-1/2" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Hex Bushing .....	25.57	
22 11 16 00-1219 EA 2" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Hex Bushing .....	31.59	
22 11 16 00-1220 EA 2-1/2" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Hex Bushing .....	79.64	
22 11 16 00-1221 EA 3" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Hex Bushing .....	117.23	
22 11 16 00-1222 EA 4" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Hex Bushing .....	256.77	
<b>22 11 16 00-1223 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Flush Bushings</b> (22 11 16 00-1063)		
22 11 16 00-1224 EA 1/2" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Flush Bushing .....	10.54	
22 11 16 00-1225 EA 3/4" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Flush Bushing .....	15.01	
22 11 16 00-1226 EA 1" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Flush Bushing .....	26.16	
22 11 16 00-1227 EA 1-1/4" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Flush Bushing .....	35.53	
22 11 16 00-1228 EA 1-1/2" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Flush Bushing .....	44.42	
22 11 16 00-1229 EA 2" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Flush Bushing .....	55.96	
22 11 16 00-1230 EA 2-1/2" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Flush Bushing .....	114.26	
22 11 16 00-1231 EA 3" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Flush Bushing .....	180.78	
22 11 16 00-1232 EA 4" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Flush Bushing .....	379.90	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**22 11 16 00-1233 1/2" Red Brass Pipe Nipples (22 11 16 00-1063)**  
 Note: Threaded both ends.

22 11 16 00-1234	EA	1/2" x Close, Red Brass Pipe Nipple.....	10.08	
22 11 16 00-1235	EA	1/2" x 1-1/2" Long, Red Brass Pipe Nipple .....	11.81	
22 11 16 00-1236	EA	1/2" x 2" Long, Red Brass Pipe Nipple .....	14.46	
22 11 16 00-1237	EA	1/2" x 2-1/2" Long, Red Brass Pipe Nipple .....	17.18	
22 11 16 00-1238	EA	1/2" x 3" Long, Red Brass Pipe Nipple .....	19.91	
22 11 16 00-1239	EA	1/2" x 3-1/2" Long, Red Brass Pipe Nipple .....	23.49	
22 11 16 00-1240	EA	1/2" x 4" Long, Red Brass Pipe Nipple .....	26.34	
22 11 16 00-1241	EA	1/2" x 4-1/2" Long, Red Brass Pipe Nipple .....	28.93	
22 11 16 00-1242	EA	1/2" x 5" Long, Red Brass Pipe Nipple .....	31.65	
22 11 16 00-1243	EA	1/2" x 5-1/2" Long, Red Brass Pipe Nipple .....	34.64	
22 11 16 00-1244	EA	1/2" x 6" Long, Red Brass Pipe Nipple .....	37.29	

**22 11 16 00-1245 3/4" Red Brass Pipe Nipples (22 11 16 00-1063)**  
 Note: Threaded both ends.

22 11 16 00-1246	EA	3/4" x Close, Red Brass Pipe Nipple.....	14.73	
22 11 16 00-1247	EA	3/4" x 1-1/2" Long, Red Brass Pipe Nipple .....	15.53	
22 11 16 00-1248	EA	3/4" x 2" Long, Red Brass Pipe Nipple .....	18.78	
22 11 16 00-1249	EA	3/4" x 2-1/2" Long, Red Brass Pipe Nipple .....	22.10	
22 11 16 00-1250	EA	3/4" x 3" Long, Red Brass Pipe Nipple .....	25.08	
22 11 16 00-1251	EA	3/4" x 3-1/2" Long, Red Brass Pipe Nipple .....	28.80	
22 11 16 00-1252	EA	3/4" x 4" Long, Red Brass Pipe Nipple .....	32.38	
22 11 16 00-1253	EA	3/4" x 4-1/2" Long, Red Brass Pipe Nipple .....	36.36	
22 11 16 00-1254	EA	3/4" x 5" Long, Red Brass Pipe Nipple .....	39.68	
22 11 16 00-1255	EA	3/4" x 5-1/2" Long, Red Brass Pipe Nipple .....	45.72	
22 11 16 00-1256	EA	3/4" x 6" Long, Red Brass Pipe Nipple .....	48.04	

**22 11 16 00-1257 1" Red Brass Pipe Nipples (22 11 16 00-1063)**  
 Note: Threaded both ends.

22 11 16 00-1258	EA	1" x Close, Red Brass Pipe Nipple.....	22.43	
22 11 16 00-1259	EA	1" x 1-1/2" Long, Red Brass Pipe Nipple .....	24.68	
22 11 16 00-1260	EA	1" x 2" Long, Red Brass Pipe Nipple .....	26.94	
22 11 16 00-1261	EA	1" x 2-1/2" Long, Red Brass Pipe Nipple .....	32.05	
22 11 16 00-1262	EA	1" x 3" Long, Red Brass Pipe Nipple .....	36.23	
22 11 16 00-1263	EA	1" x 3-1/2" Long, Red Brass Pipe Nipple .....	42.66	
22 11 16 00-1264	EA	1" x 4" Long, Red Brass Pipe Nipple .....	47.77	
22 11 16 00-1265	EA	1" x 4-1/2" Long, Red Brass Pipe Nipple .....	52.82	
22 11 16 00-1266	EA	1" x 5" Long, Red Brass Pipe Nipple .....	57.99	
22 11 16 00-1267	EA	1" x 5-1/2" Long, Red Brass Pipe Nipple .....	63.43	
22 11 16 00-1268	EA	1" x 6" Long, Red Brass Pipe Nipple .....	68.48	

**22 11 16 00-1269 1-1/4" Red Brass Pipe Nipples (22 11 16 00-1063)**  
 Note: Threaded both ends.

22 11 16 00-1270	EA	1-1/4" x Close, Red Brass Pipe Nipple .....	33.18	
22 11 16 00-1271	EA	1-1/4" x 1-1/2" Long, Red Brass Pipe Nipple .....	35.35	
22 11 16 00-1272	EA	1-1/4" x 2" Long, Red Brass Pipe Nipple .....	38.02	
22 11 16 00-1273	EA	1-1/4" x 2-1/2" Long, Red Brass Pipe Nipple .....	45.78	
22 11 16 00-1274	EA	1-1/4" x 3" Long, Red Brass Pipe Nipple .....	53.48	
22 11 16 00-1275	EA	1-1/4" x 3-1/2" Long, Red Brass Pipe Nipple .....	62.77	
22 11 16 00-1276	EA	1-1/4" x 4" Long, Red Brass Pipe Nipple .....	70.47	
22 11 16 00-1277	EA	1-1/4" x 4-1/2" Long, Red Brass Pipe Nipple .....	78.16	
22 11 16 00-1278	EA	1-1/4" x 5" Long, Red Brass Pipe Nipple .....	85.93	
22 11 16 00-1279	EA	1-1/4" x 5-1/2" Long, Red Brass Pipe Nipple .....	94.02	
22 11 16 00-1280	EA	1-1/4" x 6" Long, Red Brass Pipe Nipple .....	101.72	

**22 11 16 00-1281 1-1/2" Red Brass Pipe Nipples (22 11 16 00-1063)**  
 Note: Threaded both ends.

22 11 16 00-1282	EA	1-1/2" x Close, Red Brass Pipe Nipple .....	41.27	
22 11 16 00-1283	EA	1-1/2" x 1-1/2" Long, Red Brass Pipe Nipple .....	43.07	
22 11 16 00-1284	EA	1-1/2" x 2" Long, Red Brass Pipe Nipple .....	44.85	
22 11 16 00-1285	EA	1-1/2" x 2-1/2" Long, Red Brass Pipe Nipple .....	54.54	
22 11 16 00-1286	EA	1-1/2" x 3" Long, Red Brass Pipe Nipple .....	61.84	
22 11 16 00-1287	EA	1-1/2" x 3-1/2" Long, Red Brass Pipe Nipple .....	72.72	
22 11 16 00-1288	EA	1-1/2" x 4" Long, Red Brass Pipe Nipple .....	81.88	
22 11 16 00-1289	EA	1-1/2" x 4-1/2" Long, Red Brass Pipe Nipple .....	91.37	
22 11 16 00-1290	EA	1-1/2" x 5" Long, Red Brass Pipe Nipple .....	100.52	
22 11 16 00-1291	EA	1-1/2" x 5-1/2" Long, Red Brass Pipe Nipple .....	109.48	
22 11 16 00-1292	EA	1-1/2" x 6" Long, Red Brass Pipe Nipple .....	118.44	

**22 11 16 00-1293 2" Red Brass Pipe Nipples (22 11 16 00-1063)**  
 Note: Threaded both ends.

22 11 16 00-1294	EA	2" x Close, Red Brass Pipe Nipple.....	63.43	
22 11 16 00-1295	EA	2" x 1-1/2" Long, Red Brass Pipe Nipple .....	65.65	
22 11 16 00-1296	EA	2" x 2" Long, Red Brass Pipe Nipple .....	67.85	
22 11 16 00-1297	EA	2" x 2-1/2" Long, Red Brass Pipe Nipple .....	70.07	



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

22 11 16 00-1298	EA	2" x 3" Long, Red Brass Pipe Nipple.....	79.36	
22 11 16 00-1299	EA	2" x 3-1/2" Long, Red Brass Pipe Nipple.....	93.56	
22 11 16 00-1300	EA	2" x 4" Long, Red Brass Pipe Nipple.....	105.10	
22 11 16 00-1301	EA	2" x 4-1/2" Long, Red Brass Pipe Nipple.....	116.65	
22 11 16 00-1302	EA	2" x 5" Long, Red Brass Pipe Nipple.....	127.06	
22 11 16 00-1303	EA	2" x 5-1/2" Long, Red Brass Pipe Nipple.....	140.14	
22 11 16 00-1304	EA	2" x 6" Long, Red Brass Pipe Nipple.....	151.61	

### 22 11 19 Domestic Water Piping Specialties (22 11)

22 11 19 00-0001 Rubber Hose And Clamps (22 11 19)

22 11 19 00-0002 General Purpose Hose (22 11 19 00-0001)

Note: For medium pressure (up to 200/250 psi) applications requiring excellent resistance to air, oil and heat.

22 11 19 00-0003	LF	3/8" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp.....	8.35	2.20
22 11 19 00-0004	LF	1/2" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp.....	9.99	2.20
22 11 19 00-0005	LF	5/8" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp.....	12.50	2.20
22 11 19 00-0006	LF	3/4" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp.....	12.63	2.20
22 11 19 00-0007	LF	1" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp.....	17.73	3.30
22 11 19 00-0008	LF	1-1/4" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp.....	30.38	3.30
22 11 19 00-0009	LF	1-1/2" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp.....	32.99	4.39
22 11 19 00-0010	LF	2" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp.....	65.12	4.39

22 11 19 00-0011 Reinforced EPDM Water Hose Assembly (22 11 19 00-0001)

Note: Includes male/female camlock, 150 psi, synthetic fiber with steel wire helix reinforcement.

22 11 19 00-0012	LF	1-1/2" Inside Diameter, Ethylene Propylene Diene Monomer (EPDM) Rubber Hose, Male/Female Camlocks, Synthetic Fiber With Steel Wire Helix Reinforcement.....	87.46	4.39
22 11 19 00-0013	LF	2" Inside Diameter, Ethylene Propylene Diene Monomer (EPDM) Rubber Hose, Male/Female Camlocks, Synthetic Fiber With Steel Wire Helix Reinforcement.....	103.40	4.39
22 11 19 00-0014	LF	3" Inside Diameter, Ethylene Propylene Diene Monomer (EPDM) Rubber Hose, Male/Female Camlocks, Synthetic Fiber With Steel Wire Helix Reinforcement.....	145.47	5.40
22 11 19 00-0015	LF	4" Inside Diameter, Ethylene Propylene Diene Monomer (EPDM) Rubber Hose, Male/Female Camlocks, Synthetic Fiber With Steel Wire Helix Reinforcement.....	204.94	7.30

22 11 19 00-0016 Chemical Resistant Rubber Hoses (22 11 19 00-0001)

22 11 19 00-0017	EA	50' x 6" Brown Gum Rubber, Chemical Resistant Flexible Hose.....	1,240.30	247.03
22 11 19 00-0018	EA	50' x 6" Nitrile Rubber, Low pH Resistance, Flexible Hose.....	1,729.21	247.03

22 11 19 00-0019 Water Pump Hose (22 11 19 00-0001)

22 11 19 00-0020	EA	2" Inside Diameter, 20' Rubber Discharge Hose.....	714.40	67.07
22 11 19 00-0021	EA	2" Inside Diameter, 20' Rubber Intake Hose.....	759.29	67.07

22 11 19 00-0022 Barbed Hose x Threaded Male Pipe, Steel Coupling (22 11 19 00-0001)

22 11 19 00-0023	EA	3/8" Inside Diameter Barbed Hose x 1/2" Threaded Male Pipe, Steel Coupling.....	27.73	9.22
22 11 19 00-0024	EA	1/2" Inside Diameter Barbed Hose x 1/2" Threaded Male Pipe, Steel Coupling.....	29.40	9.88
22 11 19 00-0025	EA	5/8" Inside Diameter Barbed Hose x 3/4" Threaded Male Pipe, Steel Coupling.....	31.49	10.54
22 11 19 00-0026	EA	3/4" Inside Diameter Barbed Hose x 3/4" Threaded Male Pipe, Steel Coupling.....	35.85	11.85
22 11 19 00-0027	EA	1" Inside Diameter Barbed Hose x 1" Threaded Male Pipe, Steel Coupling.....	42.81	14.49
22 11 19 00-0028	EA	1-1/4" Inside Diameter Barbed Hose x 1-1/4" Threaded Male Pipe, Steel Coupling.....	50.68	17.34
22 11 19 00-0029	EA	1-1/2" Inside Diameter Barbed Hose x 1-1/2" Threaded Male Pipe, Steel Coupling.....	65.22	22.83
22 11 19 00-0030	EA	2" Inside Diameter Barbed Hose x 2" Threaded Male Pipe, Steel Coupling.....	82.15	28.54

22 11 19 00-0031 Worm-Drive Hose Clamp (22 11 19 00-0001)

22 11 19 00-0032	EA	3/8" To 1" Diameter Worm Drive Hose Clamp.....	12.50	3.30
22 11 19 00-0033	EA	1/2" To 1-1/6" Diameter Worm Drive Hose Clamp.....	13.19	3.30
22 11 19 00-0034	EA	5/8" To 1-1/2" Diameter Worm Drive Hose Clamp.....	13.91	3.30
22 11 19 00-0035	EA	3/4" To 2" Diameter Worm Drive Hose Clamp.....	14.78	3.30
22 11 19 00-0036	EA	1" To 2-1/2" Diameter Worm Drive Hose Clamp.....	15.76	3.30
22 11 19 00-0037	EA	1-1/4" To 2-3/4" Diameter Worm Drive Hose Clamp.....	17.15	4.39
22 11 19 00-0038	EA	1-1/2" To 3" Diameter Worm Drive Hose Clamp.....	18.45	4.39

22 11 19 00-0039 Trap Primer And Accessories (22 11 19)

22 11 19 00-0040 Trap Primer (22 11 19 00-0039)

22 11 19 00-0041	EA	1/2" Inlet/Outlet, Flow Through Automatic Trap Primer (JR Smith 2699).....	311.90	16.56
22 11 19 00-0042	EA	1/2" Inlet/Outlet, Automatic Trap Primer, Up To Two Floor Drains (PPP PR-500).....	190.91	11.04
22 11 19 00-0043	EA	1/2" Inlet/Outlet, Automatic Trap Primer, Up To Four Floor Drains (PPP PO-500).....	184.73	11.04

22 11 19 00-0044 Trap Primer Distribution Unit (22 11 19 00-0039)

22 11 19 00-0045	EA	Molded Plastic Four Opening Trap Primer Distribution Unit (PPP DU-U).....	154.54	22.08
Note: Can be used for two, three or four drains.				
22 11 19 00-0046	EA	Copper Four Opening Trap Primer Distribution Unit (PPP DU-4).....	171.16	22.08
Note: Can be used for two, three or four drains.				



<b>Plumbing</b>	<b>22</b>	<b>22</b>
Plumbing Piping	22 10	
Facility Water Distribution	22 11	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>22 11 19 00-0047</b> <b>Trap Primer Manifold</b> <small>(22 11 19 00-0039)</small>		
22 11 19 00-0048 EA Two Outlet Trap Primer Manifold .....	249.61	29.69
22 11 19 00-0049 EA Four Outlet Trap Primer Manifold .....	380.28	33.77
22 11 19 00-0050 EA Six Outlet Trap Primer Manifold .....	508.36	35.77
22 11 19 00-0051 EA Eight Outlet Trap Primer Manifold.....	640.25	41.94
<b>22 11 19 00-0052</b> <b>Brass, Anti Siphon Vacuum Breakers</b> <small>(22 11 19)</small>		
Note: Watts 288A		
22 11 19 00-0053 EA 1/2" Brass, Anti Siphon Vacuum Breaker .....	107.79	27.60
22 11 19 00-0054 EA 3/4" Brass, Anti Siphon Vacuum Breaker .....	124.12	30.90
22 11 19 00-0055 EA 1" Brass, Anti Siphon Vacuum Breaker .....	261.73	35.32
22 11 19 00-0056 EA 1-1/4" Brass, Anti Siphon Vacuum Breaker .....	420.38	40.84
22 11 19 00-0057 EA 1-1/2" Brass, Anti Siphon Vacuum Breaker .....	502.40	45.25
22 11 19 00-0058 EA 2" Brass, Anti Siphon Vacuum Breaker .....	738.48	55.19
22 11 19 00-0059 EA 2-1/2" Brass, Anti Siphon Vacuum Breaker .....	1,956.40	68.99
<b>22 11 19 00-0060</b> <b>Anti Siphon Pressure Vacuum Breakers</b> <small>(22 11 19)</small>		
Note: Watts 800M4QT		
22 11 19 00-0061 EA 1/2" Anti Siphon Pressure Type Vacuum Breaker .....	330.59	27.60
22 11 19 00-0062 EA 3/4" Anti Siphon Pressure Type Vacuum Breaker .....	287.29	30.90
22 11 19 00-0063 EA 1" Anti Siphon Pressure Type Vacuum Breaker .....	413.28	35.32
22 11 19 00-0064 EA 1-1/4" Anti Siphon Pressure Type Vacuum Breaker .....	753.79	40.84
22 11 19 00-0065 EA 1-1/2" Anti Siphon Pressure Type Vacuum Breaker .....	918.47	45.25
22 11 19 00-0066 EA 2" Anti Siphon Pressure Type Vacuum Breaker .....	924.85	55.19
<b>22 11 19 00-0067</b> <b>Bellows Type Water Hammer Arrestors</b> <small>(22 11 19)</small>		
22 11 19 00-0068 EA Up To 11 Fixture Unit Capacity, 3/4" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5005) .....	162.32	13.20
22 11 19 00-0069 EA >11 To 32 Fixture Unit Capacity, 1" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5010) .....	309.02	15.97
22 11 19 00-0070 EA >32 To 60 Fixture Unit Capacity, 1" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5020) .....	445.69	15.97
22 11 19 00-0071 EA >60 To 113 Fixture Unit Capacity, 1" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5030) .....	1,069.61	15.97
22 11 19 00-0072 EA >113 To 154 Fixture Unit Capacity, 1" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5040) .....	1,199.78	15.97
22 11 19 00-0073 EA >154 To 330 Fixture Unit Capacity, 1" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5050) .....	1,467.41	15.97
<b>22 11 19 00-0074</b> <b>Piston Type Water Hammer Arrestors</b> <small>(22 11 19)</small>		
<b>22 11 19 00-0075</b> <b>Threaded Piston Type Water Hammer Arrestors</b> <small>(22 11 19 00-0074)</small>		
22 11 19 00-0076 EA Up To 11 Fixture Unit Capacity, 1/2" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-A) .....	185.07	7.36
22 11 19 00-0077 EA >11 To 32 Fixture Unit Capacity, 3/4" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-B) .....	357.66	8.49
22 11 19 00-0078 EA >32 To 60 Fixture Unit Capacity, 1" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-C) .....	532.88	9.20
22 11 19 00-0079 EA >60 To 113 Fixture Unit Capacity, 1-1/4" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-D) .....	1,315.14	11.87
22 11 19 00-0080 EA >113 To 154 Fixture Unit Capacity, 1-1/2" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-E) .....	1,601.68	14.72
22 11 19 00-0081 EA >154 To 330 Fixture Unit Capacity, 2" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-F) .....	1,822.90	15.97
<b>22 11 19 00-0082</b> <b>Escutcheons</b> <small>(22 11 19)</small>		
<b>22 11 19 00-0083</b> <b>Brass Escutcheons</b> <small>(22 11 19 00-0082)</small>		
<b>22 11 19 00-0084</b> <b>Shallow Brass Escutcheons</b> <small>(22 11 19 00-0083)</small>		
22 11 19 00-0085 EA 3/8" IPS, Antique Or Polished Brass Shallow Escutcheon.....	13.01	2.76
22 11 19 00-0086 EA 1/2" IPS, Antique Or Polished Brass Shallow Escutcheon.....	14.06	2.76
<b>22 11 19 00-0087</b> <b>Deep Bell Brass Escutcheons</b> <small>(22 11 19 00-0083)</small>		
22 11 19 00-0088 EA 3/8" IPS, Antique Or Polished Deep Bell Brass Escutcheon.....	15.43	3.09
22 11 19 00-0089 EA 1/2" IPS, Antique Or Polished Deep Bell Brass Escutcheon.....	15.47	3.09
<b>22 11 19 00-0090</b> <b>Chrome Plated Brass Escutcheons With Setscrew</b> <small>(22 11 19 00-0083)</small>		
22 11 19 00-0091 EA 3/8" IPS, Chrome Plated Brass Escutcheon With Setscrew .....	22.78	2.76
22 11 19 00-0092 EA 1/2" IPS, Chrome Plated Brass Escutcheon With Setscrew .....	23.02	2.76
22 11 19 00-0093 EA 5/8" IPS, Chrome Plated Brass Escutcheon With Setscrew .....	23.39	2.76
22 11 19 00-0094 EA 3/4" IPS, Chrome Plated Brass Escutcheon With Setscrew .....	24.72	2.76
22 11 19 00-0095 EA 7/8" IPS, Chrome Plated Brass Escutcheon With Setscrew .....	25.08	3.31



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0096 EA 1" IPS, Chrome Plated Brass Escutcheon With Setscrew .....	26.38	3.31
22 11 19 00-0097 EA 1-1/4" IPS, Chrome Plated Brass Escutcheon With Setscrew .....	27.29	3.65
22 11 19 00-0098 EA 1-1/2" IPS, Chrome Plated Brass Escutcheon With Setscrew .....	28.51	3.87
22 11 19 00-0099 EA 2" IPS, Chrome Plated Brass Escutcheon With Setscrew .....	41.21	4.41
<b>22 11 19 00-0100 Plastic Escutcheons</b> (22 11 19 00-0082)		
<b>22 11 19 00-0101 Split-Ring White Plastic Escutcheons</b> (22 11 19 00-0100)		
22 11 19 00-0102 EA 3/8" IPS, Split-Ring White Plastic Escutcheon .....	6.91	2.74
22 11 19 00-0103 EA 1/2" IPS, Split-Ring White Plastic Escutcheon .....	6.91	2.74
22 11 19 00-0104 EA 3/4" IPS, Split-Ring White Plastic Escutcheon .....	8.12	3.07
22 11 19 00-0105 EA 1" IPS, Split-Ring White Plastic Escutcheon .....	8.80	3.30
22 11 19 00-0106 EA 1-1/4" IPS, Split-Ring White Plastic Escutcheon .....	9.46	3.63
22 11 19 00-0107 EA 1-1/2" IPS, Split-Ring White Plastic Escutcheon .....	10.11	3.84
22 11 19 00-0108 EA 2" IPS, Split-Ring White Plastic Escutcheon .....	11.36	4.39
22 11 19 00-0109 EA 2-1/2" IPS, Split-Ring White Plastic Escutcheon .....	14.89	4.72
22 11 19 00-0110 EA 3" IPS, Split-Ring White Plastic Escutcheon .....	18.41	4.94
22 11 19 00-0111 EA 4" IPS, Split-Ring White Plastic Escutcheon .....	22.48	5.49
<b>22 11 19 00-0112 Chrome Plate Plastic Escutcheons</b> (22 11 19 00-0100)		
22 11 19 00-0113 EA 1/2" IPS, Chrome Plate Plastic Escutcheon .....	9.35	2.74
22 11 19 00-0114 EA 3/4" IPS, Chrome Plate Plastic Escutcheon .....	10.21	3.07
22 11 19 00-0115 EA 1" IPS, Chrome Plate Plastic Escutcheon .....	11.49	3.30
22 11 19 00-0116 EA 1-1/4" IPS, Chrome Plate Plastic Escutcheon .....	12.76	3.63
22 11 19 00-0117 EA 1-1/2" IPS, Chrome Plate Plastic Escutcheon .....	13.42	3.84
22 11 19 00-0118 EA 2" IPS, Chrome Plate Plastic Escutcheon .....	17.01	4.39
22 11 19 00-0119 EA 2-1/2" IPS, Chrome Plate Plastic Escutcheon .....	25.07	4.72
22 11 19 00-0120 EA 3" IPS, Chrome Plate Plastic Escutcheon .....	25.93	4.94
22 11 19 00-0121 EA 4" IPS, Chrome Plate Plastic Escutcheon .....	27.65	5.49
<b>22 11 19 00-0122 Stainless Steel Escutcheons</b> (22 11 19 00-0082)		
<b>22 11 19 00-0123 Shallow Stainless Steel Escutcheons</b> (22 11 19 00-0122)		
22 11 19 00-0124 EA 3/8" IPS, Shallow Stainless Steel Escutcheon .....	18.14	2.76
22 11 19 00-0125 EA 1/2" IPS, Shallow Stainless Steel Escutcheon .....	18.14	2.76
22 11 19 00-0126 EA 3/4" IPS, Shallow Stainless Steel Escutcheon .....	26.06	3.09
<b>22 11 19 00-0127 Chrome Plated Steel Escutcheons</b> (22 11 19 00-0082)		
<b>22 11 19 00-0128 Split-Ring Chrome Plated Steel Escutcheons</b> (22 11 19 00-0127)		
22 11 19 00-0129 EA 1/2" IPS, Split-Ring Chrome Plated Steel Escutcheon .....	6.25	2.74
22 11 19 00-0130 EA 3/4" IPS, Split-Ring Chrome Plated Steel Escutcheon .....	6.80	3.07
22 11 19 00-0131 EA 1" IPS, Split-Ring Chrome Plated Steel Escutcheon .....	7.49	3.30
22 11 19 00-0132 EA 1-1/4" IPS, Split-Ring Chrome Plated Steel Escutcheon .....	8.03	3.63
22 11 19 00-0133 EA 1-1/2" IPS, Split-Ring Chrome Plated Steel Escutcheon .....	8.59	3.84
22 11 19 00-0134 EA 2" IPS, Split-Ring Chrome Plated Steel Escutcheon .....	9.90	4.39
22 11 19 00-0135 EA 2-1/2" IPS, Split-Ring Chrome Plated Steel Escutcheon .....	15.54	4.72
22 11 19 00-0136 EA 3" IPS, Split-Ring Chrome Plated Steel Escutcheon .....	16.51	4.94
22 11 19 00-0137 EA 3-1/2" IPS, Split-Ring Chrome Plated Steel Escutcheon .....	20.60	5.26
22 11 19 00-0138 EA 4" IPS, Split-Ring Chrome Plated Steel Escutcheon .....	17.97	5.49
22 11 19 00-0139 EA 5" IPS, Split-Ring Chrome Plated Steel Escutcheon .....	23.50	6.04
22 11 19 00-0140 EA 6" IPS, Split-Ring Chrome Plated Steel Escutcheon .....	27.55	6.59
<b>22 11 19 00-0141 Split-Ring/Springs Chrome Plated Steel Escutcheons</b> (22 11 19 00-0127)		
22 11 19 00-0142 EA 3/8" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon .....	10.51	2.74
22 11 19 00-0143 EA 1/2" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon .....	10.51	2.74
22 11 19 00-0144 EA 3/4" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon .....	11.22	3.07
22 11 19 00-0145 EA 1" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon .....	11.87	3.30
22 11 19 00-0146 EA 1-1/4" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon .....	13.42	3.63
22 11 19 00-0147 EA 1-1/2" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon .....	14.19	3.84
22 11 19 00-0148 EA 2" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon .....	16.86	4.39
22 11 19 00-0149 EA 2-1/2" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon .....	19.52	4.72
22 11 19 00-0150 EA 3" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon .....	24.09	4.94
22 11 19 00-0151 EA 3-1/2" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon .....	29.87	5.26
22 11 19 00-0152 EA 4" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon .....	30.26	5.49
22 11 19 00-0153 EA 5" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon .....	50.90	6.04
22 11 19 00-0154 EA 6" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon .....	53.05	6.59
<b>22 11 19 00-0155 Deep Bell Chrome Plated Steel Escutcheons</b> (22 11 19 00-0127)		
22 11 19 00-0156 EA 3/8" IPS, Deep Bell Chrome Plated Steel Escutcheon .....	7.72	3.09
22 11 19 00-0157 EA 1/2" IPS, Deep Bell Chrome Plated Steel Escutcheon .....	7.60	3.09
22 11 19 00-0158 EA 3/4" IPS, Deep Bell Chrome Plated Steel Escutcheon .....	7.34	3.09
22 11 19 00-0159 EA 1" IPS, Deep Bell Chrome Plated Steel Escutcheon .....	8.21	3.31
22 11 19 00-0160 EA 1-1/4" IPS, Deep Bell Chrome Plated Steel Escutcheon .....	8.91	3.65
22 11 19 00-0161 EA 1-1/2" IPS, Deep Bell Chrome Plated Steel Escutcheon .....	9.84	3.87



	<b>Plumbing</b>	<b>22</b>
	<b>Plumbing Piping</b>	<b>22 10</b>
	<b>Facility Water Distribution</b>	<b>22 11</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>22 11 19 00-0162</b> <b>Shallow Chrome Plated Steel Escutcheons</b> <small>(22 11 19 00-0127)</small>		
22 11 19 00-0163    EA    3/8" IPS, Shallow Chrome Plated Steel Escutcheon .....	6.84	2.76
22 11 19 00-0164    EA    1/2" IPS, Shallow Chrome Plated Steel Escutcheon .....	6.84	2.76
22 11 19 00-0165    EA    3/4" IPS, Shallow Chrome Plated Steel Escutcheon .....	6.96	2.76
22 11 19 00-0166    EA    1" IPS, Shallow Chrome Plated Steel Escutcheon .....	7.47	3.31
22 11 19 00-0167    EA    1-1/4" IPS, Shallow Chrome Plated Steel Escutcheon .....	8.07	3.65
22 11 19 00-0168    EA    1-1/2" IPS, Shallow Chrome Plated Steel Escutcheon .....	8.98	3.87
22 11 19 00-0169    EA    2" IPS, Shallow Chrome Plated Steel Escutcheon .....	10.18	4.41
<b>22 11 19 00-0170</b> <b>Wall Hydrants</b> <small>(22 11 19)</small>		
Note: Female inlet connection, 3/4" hose thread outlet.		
<b>22 11 19 00-0171</b> <b>Cast Bronze, Non-Freeze, Stainless Steel Box, Integral Vacuum Breaker</b>		
<b>Wall Hydrants</b> <small>(22 11 19 00-0170)</small>		
Note: 3/4" HPT outlet. 3/4" NPT female and 1" NPT male inlet connection. Includes wall clamp.		
22 11 19 00-0172    EA    6" Thick Wall, Cast Bronze, Non-Freeze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrant.....	1,096.88	27.60
For Cast Bronze Box, Add	58.24	
For 1" NPT Outlet, Add	137.28	
22 11 19 00-0173    EA    12" Thick Wall, Cast Bronze, Non-Freeze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrant.....	1,149.60	33.12
For Cast Bronze Box, Add	58.24	
For 1" NPT Outlet, Add	137.28	
22 11 19 00-0174    EA    18" Thick Wall, Cast Bronze, Non-Freeze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrant.....	1,172.20	39.85
For Cast Bronze Box, Add	58.24	
For 1" NPT Outlet, Add	137.28	
<b>22 11 19 00-0175</b> <b>Cast Bronze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrants</b>		
<small>(22 11 19 00-0170)</small>		
Note: 3/4" HPT outlet. 3/4" NPT female and 1" NPT male inlet connection. Includes wall clamp.		
22 11 19 00-0176    EA    Cast Bronze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrant .....	1,059.83	46.36
For Cast Bronze Box, Add	58.24	
For 1" NPT Outlet, Add	137.28	
<b>22 11 19 00-0177</b> <b>Cast Bronze Non-Freezing Wall Hydrant</b> <small>(22 11 19 00-0170)</small>		
Note: 3/4" HPT outlet. 3/4" NPT female and 1" NPT male inlet connection. Includes wall clamp.		
22 11 19 00-0178    EA    3" Thick Wall, Cast Bronze, Non-Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant.....	553.36	34.22
For 1" NPT Outlet, Add	137.28	
22 11 19 00-0179    EA    4" Thick Wall, Cast Bronze, Non-Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant.....	700.83	34.22
For 1" NPT Outlet, Add	137.28	
22 11 19 00-0180    EA    6" Thick Wall, Cast Bronze, Non-Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant.....	700.83	34.22
For 1" NPT Outlet, Add	137.28	
22 11 19 00-0181    EA    8" Thick Wall, Cast Bronze, Non-Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant.....	700.83	34.22
For 1" NPT Outlet, Add	137.28	
22 11 19 00-0182    EA    10" Thick Wall, Cast Bronze, Non-Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant.....	735.15	68.99
For 1" NPT Outlet, Add	137.28	
22 11 19 00-0183    EA    12" Thick Wall, Cast Bronze, Non-Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant.....	735.15	68.99
For 1" NPT Outlet, Add	137.28	
22 11 19 00-0184    EA    18" Thick Wall, Cast Bronze, Non-Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant.....	837.81	68.99
For 1" NPT Outlet, Add	137.28	
<b>22 11 19 00-0185</b> <b>Stainless Steel Box Type Wall Hydrants</b> <small>(22 11 19 00-0170)</small>		
Note: With 3/4" NPT female and 3/4" NPT male inlet connection.		
22 11 19 00-0186    EA    Recessed Stainless Steel Hose Box With Wall Flange Less Door (Acorn 8140).....	524.63	27.60
22 11 19 00-0187    EA    Recessed Stainless Steel Hose Box With Vacuum Breaker, Wall Flange Less Door (Acorn 8141) .....	576.08	27.60
22 11 19 00-0188    EA    Recessed Stainless Steel Hose Box With Wall Flange And Door (Acorn 8150).....	583.10	27.60
22 11 19 00-0189    EA    Recessed Stainless Steel Hose Box With Vacuum Breaker, Wall Flange And Door (Acorn 8151) .....	660.27	27.60
22 11 19 00-0190    EA    Recessed Stainless Steel Hose Box With Wall Flange Less Door (Acorn 8145).....	938.26	38.64
Note: Includes hot and cold hose connections.		
22 11 19 00-0191    EA    Recessed Stainless Steel Hose Box With Vacuum Breaker, Wall Flange Less Door (Acorn 8146) .....	968.67	38.64
Note: Includes hot and cold hose connections.		
22 11 19 00-0192    EA    Recessed Stainless Steel Hose Box With Wall Flange And Door (Acorn 8155).....	968.67	38.64
Note: Includes hot and cold hose connections.		
22 11 19 00-0193    EA    Recessed Stainless Steel Hose Box With Vacuum Breaker, Wall Flange And Door (Acorn 8156) .....	1,041.17	38.64
Note: Includes hot and cold hose connections.		
<b>22 11 19 00-0194</b> <b>Washer Boxes And Dryer Outlets</b> <small>(22 11 19)</small>		
<b>22 11 19 00-0195</b> <b>Dryer Vent Kit</b> <small>(22 11 19 00-0194)</small>		
Note: Includes 4" flexible tubing plastic hood clamps and tailpipe.		
22 11 19 00-0196    EA    Dryer Vent Kit With Hood, 4" x 5' Flexible Vent And Clamps.....	78.46	14.35
<b>22 11 19 00-0197</b> <b>Washer Boxes And Dryer Vents</b> <small>(22 11 19 00-0194)</small>		
Note: Includes 1/2" supply valves and mounting brackets.		
22 11 19 00-0198    EA    2" Washing Machine Outlet Box, Plastic, Two 1/2" Supply Valves .....	274.36	22.08



MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
22 11 19 00-0199		<b>Ice Maker Outlet Box</b> <small>(22 11 19)</small>			
		Note: Includes one 1/2" quarter turn ball valve and connections wall mount.			
22 11 19 00-0200	EA	Plastic Ice Maker Outlet Box, 1/2" Quarter Turn Ball Valve, Wall Mount .....	147.27		22.08
22 11 19 00-0201	EA	Plastic Ice Maker Outlet Box, 1/2" Quarter Turn Ball Valve With Water Hammer Arrestor, Wall Mount .....	150.20		22.08
22 11 19 00-0202	EA	Steel Ice Maker Outlet Box, 1/2" Quarter Turn Ball Valve, Wall Mount.....	226.56		22.08
22 11 19 00-0203		<b>Tempering Controllers For Potable Hot Water</b> <small>(22 11 19)</small>			
22 11 19 00-0204		<b>Point-Of-Use Thermostatic Mixing Valves (Bradley)</b> <small>(22 11 19 00-0203)</small>			
		Note: Point-of-Use Water Tempering Valves: ASSE 1016, or 1070, with piston-control mechanism, positive shutoff of hot water when cold water supply is lost, bronze body and cap with replaceable corrosion-resistant components, including stainless steel piston and liner.			
22 11 19 00-0205	EA	1/2" Inlets, 1/2" Outlet Sink/Faucet Point-Of-Use Thermostatic Mixing Valve (Bradley S59-2007).....	567.40		26.72
22 11 19 00-0206	EA	1/2" Inlets, 1/2" Outlet Point-Of-Use Thermostatic Mixing Valve (Bradley S59-4004).....	137.86		26.72
22 11 19 00-0207	EA	1/2" Inlets, 1/2" Outlet Point-Of-Use Thermostatic Mixing Valve (Bradley S59-4008).....	317.54		26.72
22 11 19 00-0208	EA	3/4" Inlets, 3/4" Outlet Point-Of-Use Thermostatic Mixing Valve (Bradley S59-4016).....	361.97		36.00
22 11 19 00-0209		<b>Thermostatic Mixing Valves (Bradley)</b> <small>(22 11 19 00-0203)</small>			
		Note: Standard Thermostatic, Water Mixing Valves: ASSE 1017, liquid-filled motor and piston control mechanism with positive shutoff of hot water when coldwater supply is lost. Water flow is shut off in event of thermostat failure. Bronze valve body and cap with replaceable corrosion-resistant components, including stainless steel piston and liner. Equipped with integral check stops and removable strainers.			
22 11 19 00-0210	EA	3/4" Inlets, 3/4" Outlet, 25 GPM Thermostatic Mixing Valve (Bradley S59-2025) .....	1,557.25		38.54
22 11 19 00-0211	EA	3/4" Inlets, 1" Outlet, 45 GPM Thermostatic Mixing Valve (Bradley S59-2045) .....	1,745.89		47.47
22 11 19 00-0212	EA	1" Inlets, 1-1/4" Outlet, 80 GPM Thermostatic Mixing Valve (Bradley S59-2080) .....	2,099.80		55.21
22 11 19 00-0213	EA	1-1/4" Inlets, 1-1/2" Outlet, 130 GPM Thermostatic Mixing Valve (Bradley S59-2130) .....	2,728.50		58.03
22 11 19 00-0214	EA	2" Inlets, 2" Outlet, 220 GPM Thermostatic Mixing Valve (Bradley S59-2200) .....	3,664.39		75.29
22 11 19 00-0215		<b>High Low Temperature Thermostatic Mixing Valves (Bradley)</b> <small>(22 11 19 00-0203)</small>			
		Note: High Low Temperature Thermostatic Mixing Valves: ASSE 1017, liquid-filled thermal motor and piston control mechanism with positive shutoff of hot water when cold water supply is lost, and allowing restricted cold flow in event of loss or interruption of hot water supply. Flow is shut off in the event of thermostat failure. Equipped with integral check stops, thermometer, and removable strainers.			
22 11 19 00-0216	EA	3/4" Inlets, 1" Outlet, 45 GPM High-Low Thermostatic Mixing Valve (Bradley S59-3045) .....	3,988.66		59.35
22 11 19 00-0217	EA	1" Inlets, 1-1/4" Outlet, 80 GPM High-Low Thermostatic Mixing Valve (Bradley S59-3080) .....	5,195.41		69.01
22 11 19 00-0218	EA	1-1/4" Inlets, 1-1/2" Outlet, 130 GPM High-Low Thermostatic Mixing Valve (Bradley S59-3130).....	6,062.98		72.54
22 11 19 00-0219	EA	2" Inlets, 2" Outlet, 220 GPM High-Low Thermostatic Mixing Valve (Bradley S59-3200) .....	6,710.25		94.11
22 11 19 00-0220		<b>Thermostatic Mixing Valves (Leonard)</b> <small>(22 11 19 00-0203)</small>			
		Note: Thermostatic Water Mixing Valve with Integral combination checkstops with strainers, 125 PSI (8.6 BAR) maximum operating pressure, Copper encapsulated thermostatic assembly with Teflon coated brass shuttle, Locking temperature regulating handle, Top or bottom supply/outlet connections, Integral circulation port connection			
22 11 19 00-0221	EA	3/4" In x 3/4" Out Thermostatic Mixing Valve (Leonard LV-981-RF).....	1,125.75		38.54
		Note: For hot water or two pipe low pressure steam.			
22 11 19 00-0222	EA	1" In x 1-1/4" Out Thermostatic Mixing Valve (Leonard LV-982-RF).....	1,324.41		47.46
		Note: For hot water or two pipe low pressure steam.			
22 11 19 00-0223	EA	1-1/4" In x 1-1/4" Out Thermostatic Mixing Valve (Leonard LV-983-RF).....	1,629.20		55.21
		Note: For hot water or two pipe low pressure steam.			
22 11 19 00-0224	EA	1-1/4" In x 1-1/2" Out Thermostatic Mixing Valve (Leonard LV-984-RF).....	1,996.44		58.05
		Note: For hot water or two pipe low pressure steam.			
22 11 19 00-0225	EA	2" In x 2" Out Thermostatic Mixing Valve (Leonard LV-985-RF).....	2,971.14		75.29
		Note: For hot water or two pipe low pressure steam.			
22 11 19 00-0226		<b>Water Mixing/Self Operating Temperature Regulator</b> <small>(22 11 19 00-0203)</small>			
		Note: Includes high rate spring, temperature adjustment screw, temperature dial and remote bulb with 8' capillary tube.			
22 11 19 00-0227	EA	3/4" Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator) .....	3,243.57		55.19
22 11 19 00-0228	EA	1" Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator) .....	3,431.16		69.54
22 11 19 00-0229	EA	1-1/4" Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator) .....	3,775.14		83.89
22 11 19 00-0230	EA	1-1/2" Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator) .....	4,152.13		98.23
22 11 19 00-0231	EA	2" Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator) .....	4,944.62		129.15
22 11 19 00-0232	EA	2-1/2" Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator) .....	5,848.17		147.29
22 11 19 00-0233		<b>Thermostatic Mixing Valves (Holby)</b> <small>(22 11 19 00-0203)</small>			
22 11 19 00-0234	EA	2-1/2" Thermostatic Mixing Valve (Holby HOLBY2500).....	5,318.25		75.31
22 11 19 00-0235		<b>Backflow Preventer Valves</b> <small>(22 11 19)</small>			
22 11 19 00-0236		<b>Double Check Valve Backflow Preventer Assemblies</b> <small>(22 11 19 00-0235)</small>			
22 11 19 00-0237		<b>Threaded Double Check Valve Assemblies</b> <small>(22 11 19 00-0236)</small>			
22 11 19 00-0238		<b>Double Check Valve Assemblies With Quarter Turn Shut-Offs</b> <small>(22 11 19 00-0237)</small>			
		Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, and two epoxy coated bronze body check valves (Watts 007 QT or 719 QT series).			





	<b>Plumbing</b>	<b>22</b>
	<b>Plumbing Piping</b>	<b>22 10</b>
	<b>Facility Water Distribution</b>	<b>22 11</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0239 EA 1/2" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT series) ..... 450.99		29.58
<i>For Work In Restricted Working Space, Add</i>	22.19	
<i>For Owner Furnished Material, Deduct</i>	-377.04	
22 11 19 00-0240 EA 3/4" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT Series)..... 530.50		41.94
<i>For Work In Restricted Working Space, Add</i>	31.46	
<i>For Owner Furnished Material, Deduct</i>	-425.64	
22 11 19 00-0241 EA 1" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT Series)..... 610.97		51.22
<i>For Work In Restricted Working Space, Add</i>	38.41	
<i>For Owner Furnished Material, Deduct</i>	-482.93	
22 11 19 00-0242 EA 1-1/4" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT Series)..... 858.51		59.61
<i>For Work In Restricted Working Space, Add</i>	44.70	
<i>For Owner Furnished Material, Deduct</i>	-709.50	
22 11 19 00-0243 EA 1-1/2" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT Series)..... 1,064.61		68.43
<i>For Work In Restricted Working Space, Add</i>	50.99	
<i>For Owner Furnished Material, Deduct</i>	-894.63	
22 11 19 00-0244 EA 2" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT Series)..... 1,223.75		88.30
<i>For Work In Restricted Working Space, Add</i>	66.23	
<i>For Owner Furnished Material, Deduct</i>	-1,003.00	
<b>22 11 19 00-0245 Double Check Valve Assemblies With Quarter Turn Shut-Offs And Strainer</b>		
<small>(22 11 19 00-0237)</small>		
<small>Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, two epoxy coated bronze body check valves, and bronze strainer (Watts 007 QT-S or 719 QT-S series).</small>		
22 11 19 00-0246 EA 1/2" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S)..... 558.88		29.58
<i>For Work In Restricted Working Space, Add</i>	22.19	
<i>For Owner Furnished Material, Deduct</i>	-484.93	
22 11 19 00-0247 EA 3/4" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S)..... 688.52		41.94
<i>For Work In Restricted Working Space, Add</i>	31.46	
<i>For Owner Furnished Material, Deduct</i>	-583.66	
22 11 19 00-0248 EA 1" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S)..... 804.69		51.22
<i>For Work In Restricted Working Space, Add</i>	38.41	
<i>For Owner Furnished Material, Deduct</i>	-676.65	
22 11 19 00-0249 EA 1-1/4" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S)..... 1,134.54		59.61
<i>For Work In Restricted Working Space, Add</i>	44.70	
<i>For Owner Furnished Material, Deduct</i>	-985.53	
22 11 19 00-0250 EA 1-1/2" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S)..... 1,389.71		68.43
<i>For Work In Restricted Working Space, Add</i>	50.99	
<i>For Owner Furnished Material, Deduct</i>	-1,219.73	
22 11 19 00-0251 EA 2" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S)..... 1,672.59		88.30
<i>For Work In Restricted Working Space, Add</i>	66.23	
<i>For Owner Furnished Material, Deduct</i>	-1,451.84	
<b>22 11 19 00-0252 Flanged Double Check Valve Assemblies</b> <small>(22 11 19 00-0236)</small>		
<b>22 11 19 00-0253 Double Check Valve Assemblies With Non-Rising Stem Shut-Offs</b> <small>(22 11 19 00-0252)</small>		
<small>Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and two epoxy coated iron body check valves (Watts LF007 NRS series).</small>		
22 11 19 00-0254 EA 2-1/2" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF007 NRS) ..... 6,165.71		243.95
<i>For Work In Restricted Working Space, Add</i>	97.58	
<i>For Owner Furnished Material, Deduct</i>	-5,840.43	
22 11 19 00-0255 EA 3" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF007 NRS) ..... 6,774.25		274.45
<i>For Work In Restricted Working Space, Add</i>	108.26	
<i>For Owner Furnished Material, Deduct</i>	-6,413.40	
<b>22 11 19 00-0256 Double Check Valve Assemblies With Outside Stem And Yoke Shut-Offs</b> <small>(22 11 19 00-0252)</small>		
<small>Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and two epoxy coated iron body check valves (Watts LF007 OSY series).</small>		
22 11 19 00-0257 EA 2-1/2" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF007 OSY)..... 6,759.35		243.95
<i>For Work In Restricted Working Space, Add</i>	97.58	
<i>For Owner Furnished Material, Deduct</i>	-6,434.07	
22 11 19 00-0258 EA 3" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 007 OSY) ..... 7,763.65		274.45
<i>For Work In Restricted Working Space, Add</i>	108.26	
<i>For Owner Furnished Material, Deduct</i>	-7,402.80	
<b>22 11 19 00-0259 Double Check Valve Assemblies With Non-Rising Stem Shut-Offs</b> <small>(22 11 19 00-0252)</small>		
<small>Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and two epoxy coated iron body check valves (Watts LF709 NRS series).</small>		
22 11 19 00-0260 EA 2-1/2" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF709 NRS series)..... 6,208.51		243.95
<i>For Work In Restricted Working Space, Add</i>	97.58	
<i>For Owner Furnished Material, Deduct</i>	-5,883.25	
22 11 19 00-0261 EA 3" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF709 NRS series) ..... 4,722.14		274.45
<i>For Work In Restricted Working Space, Add</i>	108.26	
<i>For Owner Furnished Material, Deduct</i>	-4,361.27	

**22 Plumbing**  
**22 10 Plumbing Piping**  
**22 11 Facility Water Distribution**



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0262 EA 4" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF709 NRS series).....	7,395.30	406.59
<i>For Work In Restricted Working Space, Add</i>	162.55	
<i>For Owner Furnished Material, Deduct</i>	-6,853.46	
22 11 19 00-0263 EA 6" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF709 NRS Series).....	11,207.57	597.59
<i>For Work In Restricted Working Space, Add</i>	323.85	
<i>For Owner Furnished Material, Deduct</i>	-10,128.06	
22 11 19 00-0264 EA 8" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF709 NRS Series).....	25,704.53	896.38
<i>For Work In Restricted Working Space, Add</i>	485.86	
<i>For Owner Furnished Material, Deduct</i>	-24,085.01	
22 11 19 00-0265 EA 10" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF709 NRS Series).....	33,032.96	1,060.23
<i>For Work In Restricted Working Space, Add</i>	578.31	
<i>For Owner Furnished Material, Deduct</i>	-31,105.26	
<b>22 11 19 00-0266 Double Check Valve Assemblies With Non-Rising Stem Shut-Offs And Strainer</b> <small>(22 11 19 00-0252)</small>		
Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, two epoxy coated iron body check valves, and iron body strainer (Watts 709 NRS-S series).		
22 11 19 00-0267 EA 4" Flanged Double Check Valve Assembly With NRS Shut-offs And Strainer (Watts LF709 NRS-S-FDA Series).....	8,648.98	406.59
<i>For Work In Restricted Working Space, Add</i>	162.54	
<i>For Owner Furnished Material, Deduct</i>	-8,107.19	
22 11 19 00-0268 EA 6" Flanged Double Check Valve Assembly With NRS Shut-offs And Strainer (Watts LF709 NRS-S-FDA Series).....	14,358.18	597.59
<i>For Work In Restricted Working Space, Add</i>	323.85	
<i>For Owner Furnished Material, Deduct</i>	-13,278.67	
22 11 19 00-0269 EA 10" Flanged Double Check Valve Assembly With NRS Shut-offs And Strainer (Watts LF709 NRS-S-FDA Series).....	38,407.90	1,060.23
<i>For Work In Restricted Working Space, Add</i>	578.31	
<i>For Owner Furnished Material, Deduct</i>	-36,480.20	
<b>22 11 19 00-0270 Double Check Valve Assemblies With Outside Stem And Yoke Shut-Offs</b> <small>(22 11 19 00-0252)</small>		
Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and two epoxy coated iron body check valves (Watts LF709 OSY series).		
22 11 19 00-0271 EA 2-1/2" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF709 OSY Series).....	6,596.89	243.95
<i>For Work In Restricted Working Space, Add</i>	97.58	
<i>For Owner Furnished Material, Deduct</i>	-6,271.63	
22 11 19 00-0272 EA 3" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF709 OSY series).....	7,248.27	274.45
<i>For Work In Restricted Working Space, Add</i>	108.26	
<i>For Owner Furnished Material, Deduct</i>	-6,887.42	
22 11 19 00-0273 EA 4" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF709 OSY Series).....	7,850.08	406.59
<i>For Work In Restricted Working Space, Add</i>	162.54	
<i>For Owner Furnished Material, Deduct</i>	-7,308.29	
22 11 19 00-0274 EA 6" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF709 OSY Series).....	13,141.36	597.59
<i>For Work In Restricted Working Space, Add</i>	323.85	
<i>For Owner Furnished Material, Deduct</i>	-12,061.85	
22 11 19 00-0275 EA 8" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF709 OSY Series).....	27,310.26	896.38
<i>For Work In Restricted Working Space, Add</i>	485.78	
<i>For Owner Furnished Material, Deduct</i>	-25,690.99	
22 11 19 00-0276 EA 10" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF709 OSY Series).....	35,105.14	1,060.23
<i>For Work In Restricted Working Space, Add</i>	578.31	
<i>For Owner Furnished Material, Deduct</i>	-33,177.44	
<b>22 11 19 00-0277 Double Check Valve Assemblies With Outside Stem And Yoke Shut-Offs</b> <small>(22 11 19 00-0252)</small>		
Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and single stainless steel housing and sleeve for two check valves (Watts 757 OSY series).		
22 11 19 00-0278 EA 2-1/2" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY Series).....	3,913.84	243.95
<i>For Work In Restricted Working Space, Add</i>	97.58	
<i>For Owner Furnished Material, Deduct</i>	-3,588.58	
22 11 19 00-0279 EA 3" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY Series).....	4,308.49	274.45
<i>For Work In Restricted Working Space, Add</i>	108.26	
<i>For Owner Furnished Material, Deduct</i>	-3,947.64	
22 11 19 00-0280 EA 4" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY Series).....	4,848.50	406.59
<i>For Work In Restricted Working Space, Add</i>	162.54	
<i>For Owner Furnished Material, Deduct</i>	-4,306.71	
22 11 19 00-0281 EA 6" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY Series).....	7,813.65	597.59
<i>For Work In Restricted Working Space, Add</i>	323.85	
<i>For Owner Furnished Material, Deduct</i>	-6,734.14	
22 11 19 00-0282 EA 8" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY Series).....	14,933.23	896.38
<i>For Work In Restricted Working Space, Add</i>	485.78	
<i>For Owner Furnished Material, Deduct</i>	-13,313.96	
22 11 19 00-0283 EA 10" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY Series).....	16,174.58	1,060.23
<i>For Work In Restricted Working Space, Add</i>	578.31	
<i>For Owner Furnished Material, Deduct</i>	-14,246.88	
<b>22 11 19 00-0284 N-Pattern Double Check Valve Assemblies With Outside Stem And Yoke Shut-Offs</b> <small>(22 11 19 00-0252)</small>		
Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and single stainless steel housing and sleeve for two check valves (Watts 757N OSY series).		
22 11 19 00-0285 EA 2-1/2" N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757N OSY Series).....	5,187.14	243.95
<i>For Work In Restricted Working Space, Add</i>	97.58	
<i>For Owner Furnished Material, Deduct</i>	-4,861.88	



	<b>Plumbing</b>	<b>22</b>
	<b>Plumbing Piping</b>	<b>22 10</b>
	<b>Facility Water Distribution</b>	<b>22 11</b>

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0286	EA		3" N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757N OSY Series).....	5,581.79	274.45
			<i>For Work In Restricted Working Space, Add</i>	108.26	
			<i>For Owner Furnished Material, Deduct</i>	-5,220.94	
22 11 19 00-0287	EA		4" N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757 OSY Series).....	6,976.23	406.59
			<i>For Work In Restricted Working Space, Add</i>	162.54	
			<i>For Owner Furnished Material, Deduct</i>	-6,434.44	
22 11 19 00-0288	EA		6" N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757N OSY Series).....	11,375.57	597.59
			<i>For Work In Restricted Working Space, Add</i>	323.85	
			<i>For Owner Furnished Material, Deduct</i>	-10,296.06	
22 11 19 00-0289	EA		8" N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757N OSY Series).....	20,212.36	896.38
			<i>For Work In Restricted Working Space, Add</i>	485.78	
			<i>For Owner Furnished Material, Deduct</i>	-18,593.09	
22 11 19 00-0290	EA		10" N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757N OSY Series).....	24,052.36	1,060.23
			<i>For Work In Restricted Working Space, Add</i>	578.31	
			<i>For Owner Furnished Material, Deduct</i>	-22,124.66	
<b>22 11 19 00-0291</b>			<b>Double Check Valve Assemblies With Non-Rising Stem Shut-Off Valves</b> <small>(22 11 19 00-0252)</small>		
			Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and single stainless steel housing and sleeve for two check valves (Watts 757 NRS series).		
22 11 19 00-0292	EA		2-1/2" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS Series).....	3,660.58	243.95
			<i>For Work In Restricted Working Space, Add</i>	97.58	
			<i>For Owner Furnished Material, Deduct</i>	-3,335.32	
22 11 19 00-0293	EA		3" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS Series).....	4,066.75	274.45
			<i>For Work In Restricted Working Space, Add</i>	108.26	
			<i>For Owner Furnished Material, Deduct</i>	-3,705.90	
22 11 19 00-0294	EA		4" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS Series).....	4,618.13	406.59
			<i>For Work In Restricted Working Space, Add</i>	162.54	
			<i>For Owner Furnished Material, Deduct</i>	-4,076.34	
22 11 19 00-0295	EA		6" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS Series).....	7,632.68	597.59
			<i>For Work In Restricted Working Space, Add</i>	323.85	
			<i>For Owner Furnished Material, Deduct</i>	-6,553.17	
22 11 19 00-0296	EA		8" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS series).....	14,758.83	896.38
			<i>For Work In Restricted Working Space, Add</i>	485.78	
			<i>For Owner Furnished Material, Deduct</i>	-13,139.56	
22 11 19 00-0297	EA		10" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS series).....	16,661.53	1,060.23
			<i>For Work In Restricted Working Space, Add</i>	578.31	
			<i>For Owner Furnished Material, Deduct</i>	-14,733.83	
<b>22 11 19 00-0298</b>			<b>N-Pattern Double Check Valve Assemblies With Non-Rising Stem Shut-Offs</b> <small>(22 11 19 00-0252)</small>		
			Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and single stainless steel housing and sleeve for two check valves (Watts 757N NRS series).		
22 11 19 00-0299	EA		2-1/2" N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series).....	4,827.11	243.95
			<i>For Work In Restricted Working Space, Add</i>	97.58	
			<i>For Owner Furnished Material, Deduct</i>	-4,501.85	
22 11 19 00-0300	EA		3" N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series).....	5,221.77	274.45
			<i>For Work In Restricted Working Space, Add</i>	108.26	
			<i>For Owner Furnished Material, Deduct</i>	-4,860.92	
22 11 19 00-0301	EA		4" N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series).....	6,616.65	406.59
			<i>For Work In Restricted Working Space, Add</i>	162.54	
			<i>For Owner Furnished Material, Deduct</i>	-6,074.86	
22 11 19 00-0302	EA		6" N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series).....	10,992.58	597.59
			<i>For Work In Restricted Working Space, Add</i>	323.85	
			<i>For Owner Furnished Material, Deduct</i>	-9,913.07	
22 11 19 00-0303	EA		8" N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series).....	19,632.67	896.38
			<i>For Work In Restricted Working Space, Add</i>	485.78	
			<i>For Owner Furnished Material, Deduct</i>	-18,013.40	
22 11 19 00-0304	EA		10" N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series).....	23,470.98	1,060.23
			<i>For Work In Restricted Working Space, Add</i>	578.31	
			<i>For Owner Furnished Material, Deduct</i>	-21,543.28	
<b>22 11 19 00-0305</b>			<b>Double Check Valve Assemblies With Butterfly Shut-Off Valves</b> <small>(22 11 19 00-0252)</small>		
			Note: Includes ball type test cocks, two resilient seated iron body butterfly valves, and single stainless steel housing and sleeve for two check valves (Watts 757 BFG series).		
22 11 19 00-0306	EA		2-1/2" Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series).....	4,259.54	243.95
			<i>For Work In Restricted Working Space, Add</i>	97.58	
			<i>For Owner Furnished Material, Deduct</i>	-3,934.28	
22 11 19 00-0307	EA		3" Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series).....	4,654.19	274.45
			<i>For Work In Restricted Working Space, Add</i>	108.26	
			<i>For Owner Furnished Material, Deduct</i>	-4,293.34	
22 11 19 00-0308	EA		4" Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series).....	5,194.20	406.59
			<i>For Work In Restricted Working Space, Add</i>	162.54	
			<i>For Owner Furnished Material, Deduct</i>	-4,652.41	
22 11 19 00-0309	EA		6" Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series).....	8,168.06	597.59
			<i>For Work In Restricted Working Space, Add</i>	323.85	
			<i>For Owner Furnished Material, Deduct</i>	-7,088.55	

**22 Plumbing**  
**22 10 Plumbing Piping**  
**22 11 Facility Water Distribution**



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0310 EA 8" Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	15,287.64 485.78 -13,668.37	896.38
<b>22 11 19 00-0311 N-Pattern Double Check Valve Assemblies With Butterfly Shut-Offs</b> (22 11 19 00-0252) Note: Includes ball type test cocks, two resilient seated iron body butterfly valves, and single stainless steel housing and sleeve for two check valves (Watts 757N BFG series).		
22 11 19 00-0312 EA 2-1/2" N-Pattern Flanged Double Check Assembly With Butterfly Valves (Watts 757 BFG series) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	5,532.84 97.58 -5,207.58	243.95
22 11 19 00-0313 EA 3" N-Pattern Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	5,927.49 108.26 -5,566.64	274.45
22 11 19 00-0314 EA 4" N-Pattern Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	7,321.93 162.54 -6,780.14	406.59
22 11 19 00-0315 EA 6" N-Pattern Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	11,730.06 323.85 -10,650.55	597.59
22 11 19 00-0316 EA 8" N-Pattern Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	15,287.64 485.78 -13,668.37	896.38
<b>22 11 19 00-0317 Grooved Double Check Valve Assemblies</b> (22 11 19 00-0236)		
<b>22 11 19 00-0318 Double Check Valve Assemblies With Quarter Turn Shut-Offs</b> (22 11 19 00-0317) Note: Includes ball type test cocks, two quarter turn (QT) resilient seated iron body ball valves, and single stainless steel housing and sleeve for two check valves (Watts 757 QT series).		
22 11 19 00-0319 EA 2-1/2" Grooved Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 757 QT series) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	3,660.58 97.58 -3,335.32	130.11
22 11 19 00-0320 EA 3" Grooved Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 757 QT series) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	4,066.75 108.26 -3,705.90	144.34
<b>22 11 19 00-0321 N-Patten Double Check Valve Assemblies With Quarter Turn Shut-Offs</b> (22 11 19 00-0317) Note: Includes ball type test cocks, two quarter turn (QT) resilient seated iron body ball valves, and single stainless steel housing and sleeve for two check valves (Watts 757N QT series).		
22 11 19 00-0322 EA 2-1/2" N-Pattern Grooved Double Check Valve Assembly With QT Shutoffs (Watts 757 QT series) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	4,827.11 97.58 -4,501.85	130.11
22 11 19 00-0323 EA 3" N-Pattern Grooved Double Check Valve Assembly With QT Shutoffs (Watts 757 QT series) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	5,221.77 108.26 -4,860.92	144.34
<b>22 11 19 00-0324 Reduced Pressure Zone Backflow Preventer Assemblies</b> (22 11 19 00-0235)		
<b>22 11 19 00-0325 Threaded Reduced Pressure Zone Assemblies</b> (22 11 19 00-0324)		
<b>22 11 19 00-0326 Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs</b> (22 11 19 00-0325) Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, and captured spring assemblies (Watts 009 QT series).		
22 11 19 00-0327 EA 1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009 QT series) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	502.55 19.21 -438.53	25.60
22 11 19 00-0328 EA 3/8" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009 QT series) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	530.47 21.20 -459.82	28.25
22 11 19 00-0329 EA 1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009 QT series) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	618.65 22.19 -544.70	29.58
22 11 19 00-0330 EA 3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M3 QT series) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	830.30 31.46 -725.44	41.94
22 11 19 00-0331 EA 1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	984.77 38.41 -856.73	51.22
22 11 19 00-0332 EA 1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	1,492.96 44.70 -1,343.95	59.61
22 11 19 00-0333 EA 1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	1,577.14 50.99 -1,407.16	68.43
22 11 19 00-0334 EA 2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	1,890.57 66.23 -1,669.82	88.30



<b>Plumbing</b>	<b>22</b>	<b>22</b>
Plumbing Piping	22 10	
Facility Water Distribution	22 11	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>22 11 19 00-0335 Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs And Strainer</b> <small>(22 11 19 00-0325)</small> Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, bronze strainer, and captured spring assemblies (Watts 009 QT-S series).		
22 11 19 00-0336 EA 1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series).....	555.64	25.60
For Work In Restricted Working Space, Add	19.21	
For Owner Furnished Material, Deduct	-491.62	
22 11 19 00-0337 EA 3/8" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series).....	586.42	28.25
For Work In Restricted Working Space, Add	21.20	
For Owner Furnished Material, Deduct	-515.77	
22 11 19 00-0338 EA 1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series).....	695.32	41.94
For Work In Restricted Working Space, Add	22.19	
For Owner Furnished Material, Deduct	-621.37	
22 11 19 00-0339 EA 3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series).....	950.80	41.94
For Work In Restricted Working Space, Add	31.46	
For Owner Furnished Material, Deduct	-845.94	
22 11 19 00-0340 EA 1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series).....	1,135.43	51.22
For Work In Restricted Working Space, Add	38.41	
For Owner Furnished Material, Deduct	-1,007.39	
22 11 19 00-0341 EA 1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series).....	1,698.43	59.61
For Work In Restricted Working Space, Add	44.70	
For Owner Furnished Material, Deduct	-1,549.42	
22 11 19 00-0342 EA 1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series).....	1,867.11	68.43
For Work In Restricted Working Space, Add	50.99	
For Owner Furnished Material, Deduct	-1,697.13	
22 11 19 00-0343 EA 2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series).....	2,246.32	88.30
For Work In Restricted Working Space, Add	66.23	
For Owner Furnished Material, Deduct	-2,025.57	
<b>22 11 19 00-0344 Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs</b> <small>(22 11 19 00-0325)</small> Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, and captured spring assemblies (Watts 919 QT series).		
22 11 19 00-0345 EA 3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 919 QT series).....	830.30	41.94
For Work In Restricted Working Space, Add	31.46	
For Owner Furnished Material, Deduct	-725.44	
22 11 19 00-0346 EA 1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 919 QT series).....	984.77	51.22
For Work In Restricted Working Space, Add	38.41	
For Owner Furnished Material, Deduct	-856.73	
22 11 19 00-0347 EA 1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 919 QT series).....	1,492.96	59.61
For Work In Restricted Working Space, Add	44.70	
For Owner Furnished Material, Deduct	-1,343.95	
22 11 19 00-0348 EA 1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 919 QT series).....	1,577.14	68.43
For Work In Restricted Working Space, Add	50.99	
For Owner Furnished Material, Deduct	-1,407.16	
22 11 19 00-0349 EA 2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 919 QT series).....	1,890.57	88.30
For Work In Restricted Working Space, Add	66.23	
For Owner Furnished Material, Deduct	-1,669.82	
<b>22 11 19 00-0350 Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs And Strainer</b> <small>(22 11 19 00-0325)</small> Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, bronze strainer, and captured spring assemblies (Watts 919 QT-S series).		
22 11 19 00-0351 EA 3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 919QT-S series).....	950.80	41.94
For Work In Restricted Working Space, Add	31.46	
For Owner Furnished Material, Deduct	-845.94	
22 11 19 00-0352 EA 1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 919QT-S series).....	1,135.43	51.22
For Work In Restricted Working Space, Add	38.41	
For Owner Furnished Material, Deduct	-1,007.39	
22 11 19 00-0353 EA 1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 919QT-S series).....	1,698.43	59.61
For Work In Restricted Working Space, Add	44.70	
For Owner Furnished Material, Deduct	-1,549.42	
22 11 19 00-0354 EA 1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 919QT-S series).....	1,867.11	68.43
For Work In Restricted Working Space, Add	50.99	
For Owner Furnished Material, Deduct	-1,697.13	
22 11 19 00-0355 EA 2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 919QT-S series).....	2,246.32	88.30
For Work In Restricted Working Space, Add	66.23	
For Owner Furnished Material, Deduct	-2,025.57	

<b>22</b>	<b>Plumbing</b>
<b>22 10</b>	<b>Plumbing Piping</b>
<b>22 11</b>	<b>Facility Water Distribution</b>



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0356		<b>Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs</b> <small>(22 11 19 00-0325)</small> Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, and captured spring assemblies (Watts 909 QT series).		
22 11 19 00-0357	EA	3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts LF909QT).....	1,725.26	41.94
		<i>For Work In Restricted Working Space, Add</i>	31.46	
		<i>For Owner Furnished Material, Deduct</i>	-1,620.40	
22 11 19 00-0358	EA	1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts LF909QT) .....	2,041.70	51.22
		<i>For Work In Restricted Working Space, Add</i>	38.41	
		<i>For Owner Furnished Material, Deduct</i>	-1,913.66	
22 11 19 00-0359	EA	1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts LF909M1QT) .....	3,147.03	59.61
		<i>For Work In Restricted Working Space, Add</i>	44.70	
		<i>For Owner Furnished Material, Deduct</i>	-2,998.02	
22 11 19 00-0360	EA	1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts LF909M1QT) .....	3,401.24	68.43
		<i>For Work In Restricted Working Space, Add</i>	50.99	
		<i>For Owner Furnished Material, Deduct</i>	-3,231.26	
22 11 19 00-0361	EA	2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 909M1QT).....	3,943.04	88.30
		<i>For Work In Restricted Working Space, Add</i>	66.23	
		<i>For Owner Furnished Material, Deduct</i>	-3,722.29	
22 11 19 00-0362		<b>Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs And Strainer</b> <small>(22 11 19 00-0325)</small> Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, bronze strainer, and captured spring assemblies (Watts LF909 QT-S series).		
22 11 19 00-0363	EA	3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts LF909QT-S).....	2,327.59	41.94
		<i>For Work In Restricted Working Space, Add</i>	31.46	
		<i>For Owner Furnished Material, Deduct</i>	-2,222.73	
22 11 19 00-0364	EA	1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts LF909QT-S).....	2,766.51	51.22
		<i>For Work In Restricted Working Space, Add</i>	38.41	
		<i>For Owner Furnished Material, Deduct</i>	-2,638.47	
22 11 19 00-0365	EA	1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts LF909M1QT-S).....	4,222.93	59.61
		<i>For Work In Restricted Working Space, Add</i>	44.70	
		<i>For Owner Furnished Material, Deduct</i>	-4,073.92	
22 11 19 00-0366	EA	1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts LF909M1QT-S).....	4,612.17	68.43
		<i>For Work In Restricted Working Space, Add</i>	50.99	
		<i>For Owner Furnished Material, Deduct</i>	-4,442.19	
22 11 19 00-0367	EA	2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts LF909M1QT-S).....	5,476.42	88.30
		<i>For Work In Restricted Working Space, Add</i>	66.23	
		<i>For Owner Furnished Material, Deduct</i>	-5,255.67	
22 11 19 00-0368		<b>Flanged Reduced Pressure Zone Assemblies</b> <small>(22 11 19 00-0324)</small>		
22 11 19 00-0369		<b>Reduced Pressure Zone Assemblies With Non-Rising Stem Shut-Offs</b> <small>(22 11 19 00-0368)</small> Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and captured spring assemblies (Watts LF009 NRS series).		
22 11 19 00-0370	EA	2-1/2" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF009 NRS series).....	5,668.05	243.95
		<i>For Work In Restricted Working Space, Add</i>	97.58	
		<i>For Owner Furnished Material, Deduct</i>	-5,342.77	
22 11 19 00-0371	EA	3" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF009 NRS series).....	6,387.34	274.45
		<i>For Work In Restricted Working Space, Add</i>	108.26	
		<i>For Owner Furnished Material, Deduct</i>	-6,026.49	
22 11 19 00-0372		<b>Reduced Pressure Zone Assemblies With Non-Rising Stem Shut-Off And Strainer</b> <small>(22 11 19 00-0368)</small> Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, iron body strainer, and captured spring assemblies (Watts LF009 NRS-S-FDA series).		
22 11 19 00-0373	EA	2-1/2" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF009 NRS-S-FDA series).....	6,763.78	243.95
		<i>For Work In Restricted Working Space, Add</i>	97.58	
		<i>For Owner Furnished Material, Deduct</i>	-6,438.50	
22 11 19 00-0374	EA	3" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF009 NRS-S-FDA series).....	7,660.28	274.45
		<i>For Work In Restricted Working Space, Add</i>	108.26	
		<i>For Owner Furnished Material, Deduct</i>	-7,299.43	
22 11 19 00-0375		<b>Reduced Pressure Zone Assemblies With Outside Stem And Yoke Shut-Offs</b> <small>(22 11 19 00-0368)</small> Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and captured spring assemblies (Watts LF009 OSY series).		
22 11 19 00-0376	EA	2-1/2" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF009 OSY series).....	6,087.44	243.95
		<i>For Work In Restricted Working Space, Add</i>	97.58	
		<i>For Owner Furnished Material, Deduct</i>	-5,762.16	
22 11 19 00-0377	EA	3" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF009 OSY series).....	7,084.36	274.45
		<i>For Work In Restricted Working Space, Add</i>	108.26	
		<i>For Owner Furnished Material, Deduct</i>	-6,723.51	



<b>Plumbing</b>	<b>22</b>	<b>22</b>
<b>Plumbing Piping</b>	<b>22 10</b>	
<b>Facility Water Distribution</b>	<b>22 11</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>22 11 19 00-0378</b> <b>Reduced Pressure Zone Assemblies With Outside Stem And Yoke Shut-Offs And Strainer</b> <small>(22 11 19 00-0368)</small> Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and captured spring assemblies. (Watts LF009 OSY-S-FDA Series)		
22 11 19 00-0379    EA    2-1/2" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs And Strainer (Watts LF009 OSY-S-FDA series).....	6,763.78	243.95
For Work In Restricted Working Space, Add	97.58	
For Owner Furnished Material, Deduct	-6,438.50	
22 11 19 00-0380    EA    3" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs And Strainer (Watts LF009 OSY-S-FDA series).....	7,660.28	274.45
For Work In Restricted Working Space, Add	108.26	
For Owner Furnished Material, Deduct	-7,299.43	
<b>22 11 19 00-0381</b> <b>Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs</b> <small>(22 11 19 00-0368)</small> Note: Includes ball type test cocks, two quarter turn (QT) resilient seated iron body ball valves, and captured spring assemblies (Watts LF009 QT-FDA series).		
22 11 19 00-0382    EA    2-1/2" Flanged Reduced Pressure Zone Assembly With QT Shut-offs (Watts LF009 QT-FDA series).....	7,512.48	243.95
For Work In Restricted Working Space, Add	97.58	
For Owner Furnished Material, Deduct	-7,187.20	
22 11 19 00-0383    EA    3" Flanged Reduced Pressure Zone Assembly With QT Shut-offs (Watts LF009 QT-FDA series).....	8,695.46	274.45
For Work In Restricted Working Space, Add	108.26	
For Owner Furnished Material, Deduct	-8,334.61	
<b>22 11 19 00-0384</b> <b>Reduced Pressure Zone Assemblies With Non-Rising Stem Shut-Offs</b> <small>(22 11 19 00-0368)</small> Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and captured spring assemblies (Watts LF909 NRS series).		
22 11 19 00-0385    EA    2-1/2" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF909 NRS series).....	9,760.02	243.95
For Work In Restricted Working Space, Add	97.58	
For Owner Furnished Material, Deduct	-9,434.76	
22 11 19 00-0386    EA    3" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF909 NRS series).....	11,089.24	274.45
For Work In Restricted Working Space, Add	108.26	
For Owner Furnished Material, Deduct	-10,728.37	
22 11 19 00-0387    EA    4" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF909 NRS series).....	13,953.41	406.59
For Work In Restricted Working Space, Add	162.55	
For Owner Furnished Material, Deduct	-13,411.57	
22 11 19 00-0388    EA    6" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF909 NRS series).....	20,997.99	597.59
For Work In Restricted Working Space, Add	453.42	
For Owner Furnished Material, Deduct	-19,486.58	
22 11 19 00-0389    EA    8" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF909M1 NRS series).....	34,855.75	896.38
For Work In Restricted Working Space, Add	680.14	
For Owner Furnished Material, Deduct	-32,588.63	
22 11 19 00-0390    EA    10" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF909M1 NRS series).....	45,090.60	1,060.23
For Work In Restricted Working Space, Add	578.31	
For Owner Furnished Material, Deduct	-43,162.90	
<b>22 11 19 00-0391</b> <b>Reduced Pressure Zone Assemblies With Non-Rising Stem Shut-Off And Epoxy Coated Strainer</b> <small>(22 11 19 00-0368)</small> Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, iron body strainer, and captured spring assemblies (Watts LF909 NRS-S-FDA series).		
22 11 19 00-0392    EA    2-1/2" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF909 NRS-S-FDA series).....	10,520.53	243.95
For Work In Restricted Working Space, Add	97.58	
For Owner Furnished Material, Deduct	-10,195.27	
22 11 19 00-0393    EA    3" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF909 NRS-S-FDA series).....	11,889.60	274.45
For Work In Restricted Working Space, Add	108.26	
For Owner Furnished Material, Deduct	-11,528.75	
22 11 19 00-0394    EA    4" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF909 NRS-S-FDA series).....	15,180.52	406.59
For Work In Restricted Working Space, Add	162.54	
For Owner Furnished Material, Deduct	-14,638.73	
22 11 19 00-0395    EA    6" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF909 NRS-S-FDA series).....	22,875.90	597.59
For Work In Restricted Working Space, Add	323.85	
For Owner Furnished Material, Deduct	-21,796.39	
22 11 19 00-0396    EA    8" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF909 NRS-S-FDA series).....	37,059.59	896.38
For Work In Restricted Working Space, Add	485.78	
For Owner Furnished Material, Deduct	-35,440.32	
22 11 19 00-0397    EA    10" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF909 NRS-S-FDA series).....	50,326.28	1,060.23
For Work In Restricted Working Space, Add	578.31	
For Owner Furnished Material, Deduct	-48,398.58	
<b>22 11 19 00-0398</b> <b>Reduced Pressure Zone Assemblies With Outside Stem And Yoke Shut-Offs</b> <small>(22 11 19 00-0368)</small> Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and captured spring assemblies (Watts LF909 OSY series).		

**22 Plumbing**  
**22 10 Plumbing Piping**  
**22 11 Facility Water Distribution**



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0399	EA	2-1/2" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF909 OSY series).....	10,386.15	243.95
		<i>For Work In Restricted Working Space, Add</i>	97.58	
		<i>For Owner Furnished Material, Deduct</i>	-10,060.89	
22 11 19 00-0400	EA	3" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF909 OSY series)....	11,806.93	274.45
		<i>For Work In Restricted Working Space, Add</i>	108.26	
		<i>For Owner Furnished Material, Deduct</i>	-11,446.06	
22 11 19 00-0401	EA	4" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF909 OSY series)....	14,845.35	406.59
		<i>For Work In Restricted Working Space, Add</i>	162.55	
		<i>For Owner Furnished Material, Deduct</i>	-14,303.51	
22 11 19 00-0402	EA	6" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF909 OSY series)....	21,866.31	597.59
		<i>For Work In Restricted Working Space, Add</i>	323.85	
		<i>For Owner Furnished Material, Deduct</i>	-20,786.80	
22 11 19 00-0403	EA	8" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF909M1 OSY series).....	36,381.48	896.38
		<i>For Work In Restricted Working Space, Add</i>	485.78	
		<i>For Owner Furnished Material, Deduct</i>	-34,762.21	
22 11 19 00-0404	EA	10" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF909M1 OSY series).....	47,966.51	1,060.23
		<i>For Work In Restricted Working Space, Add</i>	578.31	
		<i>For Owner Furnished Material, Deduct</i>	-46,038.81	
22 11 19 00-0405		<b>Double Check Detector Assemblies</b> (22 11 19 00-0235)		
22 11 19 00-0406		<b>Flanged Double Check Detector Assemblies With Meter</b> (22 11 19 00-0405)		
22 11 19 00-0407		<b>Double Check Detector Assembly With Outside Stem And Yoke Shut-Offs And Meter</b> (22 11 19 00-0406) Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, two epoxy coated iron body check valves, and meter (Watts 709 DCDA OSY series).		
22 11 19 00-0408	EA	3" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 007 DCDA OSY series).....	7,778.49	274.45
		<i>For Work In Restricted Working Space, Add</i>	108.26	
		<i>For Owner Furnished Material, Deduct</i>	-7,417.64	
22 11 19 00-0409	EA	4" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 007 DCDA OSY series).....	8,131.54	406.59
		<i>For Work In Restricted Working Space, Add</i>	162.54	
		<i>For Owner Furnished Material, Deduct</i>	-7,589.75	
22 11 19 00-0410	EA	6" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 007 DCDA OSY series).....	10,935.07	597.59
		<i>For Work In Restricted Working Space, Add</i>	323.85	
		<i>For Owner Furnished Material, Deduct</i>	-9,855.56	
22 11 19 00-0411	EA	8" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 007 DCDA OSY series).....	19,433.76	896.38
		<i>For Work In Restricted Working Space, Add</i>	485.78	
		<i>For Owner Furnished Material, Deduct</i>	-17,814.49	
22 11 19 00-0412	EA	10" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 007 DCDA OSY series).....	26,274.09	1,060.23
		<i>For Work In Restricted Working Space, Add</i>	578.31	
		<i>For Owner Furnished Material, Deduct</i>	-24,346.39	
22 11 19 00-0413		<b>Double Check Detector Assembly With Outside Stem And Yoke Shut-Offs And Meter</b> (22 11 19 00-0406) Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, single stainless steel housing and sleeve for two check valves, and meter (Watts 757 DCDA OSY series).		
22 11 19 00-0414	EA	2-1/2" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series).....	5,820.52	243.95
		<i>For Work In Restricted Working Space, Add</i>	97.58	
		<i>For Owner Furnished Material, Deduct</i>	-5,495.24	
22 11 19 00-0415	EA	3" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series).....	6,214.79	274.45
		<i>For Work In Restricted Working Space, Add</i>	108.26	
		<i>For Owner Furnished Material, Deduct</i>	-5,853.94	
22 11 19 00-0416	EA	4" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series).....	6,763.29	406.59
		<i>For Work In Restricted Working Space, Add</i>	162.54	
		<i>For Owner Furnished Material, Deduct</i>	-6,221.50	
22 11 19 00-0417	EA	6" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series).....	9,158.05	597.59
		<i>For Work In Restricted Working Space, Add</i>	323.85	
		<i>For Owner Furnished Material, Deduct</i>	-8,078.54	
22 11 19 00-0418	EA	8" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series).....	16,221.96	896.38
		<i>For Work In Restricted Working Space, Add</i>	485.78	
		<i>For Owner Furnished Material, Deduct</i>	-14,602.69	
22 11 19 00-0419	EA	10" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series).....	19,127.72	1,060.23
		<i>For Work In Restricted Working Space, Add</i>	578.31	
		<i>For Owner Furnished Material, Deduct</i>	-17,200.02	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>22 11 19 00-0420 Double Check Detector Assembly With Butterfly Valves And Meter</b> <small>(22 11 19 00-0406)</small> Note: Includes ball type test cocks, two resilient seated iron body butterfly valves, single stainless steel housing and sleeve for two check valves, and meter (Watts 757 DCDA BFG series).		
22 11 19 00-0421 EA 2-1/2" Flanged Double Check Detector Assembly With Butterfly Valves And Meter (Watts 757 DCDA BFG series).....	6,166.30	243.95
<i>For Work In Restricted Working Space, Add</i>	97.58	
<i>For Owner Furnished Material, Deduct</i>	-5,841.02	
22 11 19 00-0422 EA 3" Flanged Double Check Detector Assembly With Butterfly Valves And Meter (Watts 757 DCDA BFG series).....	6,560.56	274.45
<i>For Work In Restricted Working Space, Add</i>	108.26	
<i>For Owner Furnished Material, Deduct</i>	-6,199.71	
22 11 19 00-0423 EA 4" Flanged Double Check Detector Assembly With Butterfly Valves And Meter (Watts 757 DCDA BFG series).....	7,108.99	406.59
<i>For Work In Restricted Working Space, Add</i>	162.54	
<i>For Owner Furnished Material, Deduct</i>	-6,567.20	
22 11 19 00-0424 EA 6" Flanged Double Check Detector Assembly With Butterfly Valves And Meter (Watts 757 DCDA BFG series).....	9,512.47	597.59
<i>For Work In Restricted Working Space, Add</i>	323.85	
<i>For Owner Furnished Material, Deduct</i>	-8,432.96	
22 11 19 00-0425 EA 8" Flanged Double Check Detector Assembly With Butterfly Valves And Meter (Watts 757 DCDA BFG series).....	15,796.74	896.38
<i>For Work In Restricted Working Space, Add</i>	485.78	
<i>For Owner Furnished Material, Deduct</i>	-14,177.47	
<b>22 11 19 00-0426 Flanged Double Check Detector Assemblies Without Meter</b> <small>(22 11 19 00-0405)</small>		
<b>22 11 19 00-0427 Double Check Detector Assembly With Outside Stem And Yoke Shut-Offs Less Meter</b> <small>(22 11 19 00-0426)</small> Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, single stainless steel housing and sleeve for two check valves (Watts 757 DCDA OSY LM series).		
22 11 19 00-0428 EA 2-1/2" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series).....	5,711.35	243.95
<i>For Work In Restricted Working Space, Add</i>	97.58	
22 11 19 00-0429 EA 3" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series).....	6,105.66	274.45
<i>For Work In Restricted Working Space, Add</i>	108.26	
22 11 19 00-0430 EA 4" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series).....	6,654.16	406.59
<i>For Work In Restricted Working Space, Add</i>	162.54	
22 11 19 00-0431 EA 6" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series).....	9,048.92	597.59
<i>For Work In Restricted Working Space, Add</i>	323.85	
22 11 19 00-0432 EA 8" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series).....	16,112.91	896.38
<i>For Work In Restricted Working Space, Add</i>	485.78	
22 11 19 00-0433 EA 10" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series).....	19,018.52	1,060.23
<i>For Work In Restricted Working Space, Add</i>	578.31	
<b>22 11 19 00-0434 Double Check Detector Assembly With Butterfly Valves Less Meter</b> <small>(22 11 19 00-0426)</small> Note: Includes ball type test cocks, two butterfly resilient seated iron body butterfly valves, single stainless steel housing and sleeve for two check valves (Watts 757 DCDA BFG LM series).		
22 11 19 00-0435 EA 2-1/2" Flanged Double Check Detector Assembly With Butterfly Valves Less Meter (Watts 757 DCDA BFG LM series).....	6,057.09	243.95
<i>For Work In Restricted Working Space, Add</i>	97.58	
22 11 19 00-0436 EA 3" Flanged Double Check Detector Assembly With Butterfly Valves Less Meter (Watts 757 DCDA BFG LM series).....	6,451.36	274.45
<i>For Work In Restricted Working Space, Add</i>	108.26	
22 11 19 00-0437 EA 4" Flanged Double Check Detector Assembly With Butterfly Valves Less Meter (Watts 757 DCDA BFG LM series).....	6,999.86	406.59
<i>For Work In Restricted Working Space, Add</i>	162.54	
22 11 19 00-0438 EA 6" Flanged Double Check Detector Assembly With Butterfly Valves Less Meter (Watts 757 DCDA BFG LM series).....	9,403.26	597.59
<i>For Work In Restricted Working Space, Add</i>	323.85	
22 11 19 00-0439 EA 8" Flanged Double Check Detector Assembly With Butterfly Valves Less Meter (Watts 757 DCDA BFG LM series).....	16,467.32	896.38
<i>For Work In Restricted Working Space, Add</i>	485.78	
<b>22 11 19 00-0440 Backflow Preventer Accessories</b> <small>(22 11 19 00-0235)</small>		
<b>22 11 19 00-0441 Air Gap</b> <small>(22 11 19 00-0440)</small>		
22 11 19 00-0442 EA Up To 1" Diameter Air Gap For Backflow Preventer.....	127.93	13.80
22 11 19 00-0443 EA 1-1/4" To 2" Diameter Air Gap For Backflow Preventer.....	157.51	16.56
22 11 19 00-0444 EA 2-1/2" To 3" Diameter Air Gap For Backflow Preventer.....	297.36	22.08
22 11 19 00-0445 EA 4" To 6" Diameter Air Gap For Backflow Preventer.....	589.08	38.64
22 11 19 00-0446 EA 8" To 10" Diameter Air Gap For Backflow Preventer.....	622.20	55.19
<b>22 11 19 00-0447 Brass Test Cocks</b> <small>(22 11 19 00-0440)</small>		
22 11 19 00-0448 EA 1/8" Or 1/4" Brass Test Cock.....	52.10	5.52
<b>22 11 19 00-0449 Backflow Valve Enclosures</b> <small>(22 11 19 00-0235)</small>		
<b>22 11 19 00-0450 Flip-Top, Insulated Fiberglass Valve Enclosures</b> <small>(22 11 19 00-0449)</small> Note: Dimensions listed are inside dimensions. Includes anchor kit. Excludes concrete pad.		
22 11 19 00-0451 EA 19" Length x 11" Width x 22" Height, Flip-Top, Insulated Fiberglass Valve Enclosure.....	1,367.66	99.34
<i>For Heated Enclosure, Add</i>	167.90	

**22 Plumbing**  
**22 10 Plumbing Piping**  
**22 11 Facility Water Distribution**



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0452 EA 27" Length x 13" Width x 23" Height, Flip-Top, Insulated Fiberglass Valve Enclosure ..... <i>For Heated Enclosure, Add</i>	1,680.85 214.88	99.34
22 11 19 00-0453 EA 27" Length x 13" Width x 35" Height, Flip-Top, Insulated Fiberglass Valve Enclosure ..... <i>For Heated Enclosure, Add</i>	2,129.63 285.14	91.48
22 11 19 00-0454 EA 33" Length x 21" Width x 25" Height, Flip-Top, Insulated Fiberglass Valve Enclosure ..... <i>For Heated Enclosure, Add</i>	2,214.03 286.36	121.98
22 11 19 00-0455 EA 39" Length x 13" Width x 28" Height, Flip-Top, Insulated Fiberglass Valve Enclosure ..... <i>For Heated Enclosure, Add</i>	2,320.24 302.30	121.98
22 11 19 00-0456 EA 47" Length x 13" Width x 28" Height, Flip-Top, Insulated Fiberglass Valve Enclosure ..... <i>For Heated Enclosure, Add</i>	2,734.20 364.39	121.98
22 11 19 00-0457 EA 39" Length x 13" Width x 36" Height, Flip-Top, Insulated Fiberglass Valve Enclosure ..... <i>For Heated Enclosure, Add</i>	2,745.09 366.02	121.98
22 11 19 00-0458 EA 47" Length x 13" Width x 36" Height, Flip-Top, Insulated Fiberglass Valve Enclosure ..... <i>For Heated Enclosure, Add</i>	3,450.44 471.83	121.98
22 11 19 00-0459 EA 70" Length x 26" Width x 45" Height, Flip-Top, Insulated Fiberglass Valve Enclosure ..... <i>For Heated Enclosure, Add</i>	7,943.99 1,122.99	182.96
22 11 19 00-0460 EA 83" Length x 26" Width x 45" Height, Flip-Top, Insulated Fiberglass Valve Enclosure ..... <i>For Heated Enclosure, Add</i>	11,503.45 1,656.90	182.96
22 11 19 00-0461 EA 70" Length x 26" Width x 55" Height, Flip-Top, Insulated Fiberglass Valve Enclosure ..... <i>For Heated Enclosure, Add</i>	10,931.54 1,571.12	182.96
22 11 19 00-0462 EA 83" Length x 26" Width x 55" Height, Flip-Top, Insulated Fiberglass Valve Enclosure ..... <i>For Heated Enclosure, Add</i>	13,161.97 1,894.25	213.46
<b>22 11 19 00-0463 One-Piece Drop Over, Insulated Fiberglass Valve Enclosures (22 11 19 00-0449)</b> Note: Dimensions listed are inside dimensions. Includes anchor kit. Excludes concrete pad.		
22 11 19 00-0464 EA 20" Length x 6-1/2" Width x 22" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure ..... <i>For Heated Enclosure, Add</i>	724.99 136.17	26.49
22 11 19 00-0465 EA 27" Length x 14" Width x 26" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure ..... <i>For Heated Enclosure, Add</i>	1,013.67 193.90	26.49
22 11 19 00-0466 EA 38-1/2" Length x 12" Width x 28" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure ..... <i>For Heated Enclosure, Add</i>	1,277.07 247.28	24.40
22 11 19 00-0467 EA 47" Length x 13" Width x 28" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure ..... <i>For Heated Enclosure, Add</i>	1,936.13 379.09	24.40
22 11 19 00-0468 EA 70" Length x 26" Width x 45" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure ..... <i>For Heated Enclosure, Add</i>	5,021.90 989.13	45.74
22 11 19 00-0469 EA 83" Length x 26" Width x 45" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure ..... <i>For Heated Enclosure, Add</i>	6,865.63 1,357.88	45.74
22 11 19 00-0470 EA 45" Length x 35" Width x 35" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure ..... <i>For Heated Enclosure, Add</i>	4,564.37 897.63	45.74
22 11 19 00-0471 EA 53" Length x 44" Width x 44" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure ..... <i>For Heated Enclosure, Add</i>	5,168.96 1,018.54	45.74
22 11 19 00-0472 EA 61" Length x 52" Width x 50" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure ..... <i>For Heated Enclosure, Add</i>	8,102.04 1,605.16	45.74
<b>22 11 19 00-0473 Sectional, Insulated Aluminum Valve Enclosures (22 11 19 00-0449)</b> Note: Dimensions listed are inside dimensions. Includes anchor kit. Excludes concrete pad.		
22 11 19 00-0474 EA 70" Length x 26" Width x 55" Height, Sectional, Insulated Aluminum Valve Enclosure ..... <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	10,294.27 1,475.53 820.86 1,468.91	182.96
22 11 19 00-0475 EA 83" Length x 26" Width x 55" Height, Sectional, Insulated Aluminum Valve Enclosure ..... <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	11,348.22 1,633.62 820.86 1,468.91	182.96
22 11 19 00-0476 EA 53" Length x 33" Width x 44" Height, Sectional, Insulated Aluminum Valve Enclosure ..... <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	8,071.99 1,142.19 820.86 1,468.91	182.96
22 11 19 00-0477 EA 53" Length x 44" Width x 44" Height, Sectional, Insulated Aluminum Valve Enclosure ..... <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	8,850.88 1,259.02 820.86 1,468.91	182.96
22 11 19 00-0478 EA 90" Length x 32" Width x 50-1/2" Height, Sectional, Insulated Aluminum Valve Enclosure ..... <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	10,302.40 1,453.88 820.86 1,468.91	243.95
22 11 19 00-0479 EA 102" Length x 32" Width x 50-1/2" Height, Sectional, Insulated Aluminum Valve Enclosure ..... <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	11,549.71 1,640.97 820.86 1,468.91	243.95
22 11 19 00-0480 EA 90" Length x 32" Width x 57-1/2" Height, Sectional, Insulated Aluminum Valve Enclosure ..... <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	11,549.71 1,640.97 820.86 1,468.91	243.95
22 11 19 00-0481 EA 102" Length x 32" Width x 57-1/2" Height, Sectional, Insulated Aluminum Valve Enclosure ..... <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	12,758.89 1,822.35 820.86 1,468.91	243.95
22 11 19 00-0482 EA 62" Length x 39" Width x 46" Height, Sectional, Insulated Aluminum Valve Enclosure ..... <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	9,583.45 1,357.47 820.86 1,468.91	213.46



<b>Plumbing</b>	<b>22</b>	
<b>Plumbing Piping</b>	<b>22 10</b>	<b>22</b>
<b>Facility Water Distribution</b>	<b>22 11</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0483 EA 62" Length x 53" Width x 46" Height, Sectional, Insulated Aluminum Valve Enclosure ..... <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	11,220.18 1,591.54 820.86 1,468.91	243.95
22 11 19 00-0484 EA 105" Length x 36" Width x 53" Height, Sectional, Insulated Aluminum Valve Enclosure ..... <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	13,107.48 1,874.64 820.86 1,468.91	243.95
22 11 19 00-0485 EA 125" Length x 36" Width x 53" Height, Sectional, Insulated Aluminum Valve Enclosure ..... <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	14,387.47 2,060.92 820.86 1,468.91	259.20
22 11 19 00-0486 EA 105" Length x 36" Width x 64" Height, Sectional, Insulated Aluminum Valve Enclosure ..... <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	14,700.66 2,107.90 820.86 1,468.91	259.20
22 11 19 00-0487 EA 125" Length x 36" Width x 64" Height, Sectional, Insulated Aluminum Valve Enclosure ..... <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	16,296.54 2,341.56 820.86 1,468.91	274.45
22 11 19 00-0488 EA 105" Length x 36" Width x 80" Height, Sectional, Insulated Aluminum Valve Enclosure ..... <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	16,920.20 2,435.11 820.86 1,468.91	274.45
22 11 19 00-0489 EA 72" Length x 45" Width x 52" Height, Sectional, Insulated Aluminum Valve Enclosure ..... <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	12,290.47 1,752.09 820.86 1,468.91	243.95
22 11 19 00-0490 EA 72" Length x 45" Width x 60" Height, Sectional, Insulated Aluminum Valve Enclosure ..... <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	13,099.31 1,873.41 820.86 1,468.91	243.95
22 11 19 00-0491 EA 72" Length x 65" Width x 52" Height, Sectional, Insulated Aluminum Valve Enclosure ..... <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	14,820.49 2,125.87 820.86 1,468.91	259.20
22 11 19 00-0492 EA 72" Length x 65" Width x 60" Height, Sectional, Insulated Aluminum Valve Enclosure ..... <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	17,957.81 2,590.75 820.86 1,468.91	274.45
22 11 19 00-0493 EA 118" Length x 40" Width x 58" Height, Sectional, Insulated Aluminum Valve Enclosure ..... <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	15,672.89 2,248.01 820.86 1,468.91	274.45
22 11 19 00-0494 EA 142" Length x 40" Width x 58" Height, Sectional, Insulated Aluminum Valve Enclosure ..... <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	18,829.28 2,715.75 820.86 1,468.91	289.69
22 11 19 00-0495 EA 118" Length x 40" Width x 74" Height, Sectional, Insulated Aluminum Valve Enclosure ..... <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	18,205.63 2,622.21 820.86 1,468.91	289.69
22 11 19 00-0496 EA 142" Length x 40" Width x 74" Height, Sectional, Insulated Aluminum Valve Enclosure ..... <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	21,084.22 3,048.28 820.86 1,468.91	304.94
22 11 19 00-0497 EA 142" Length x 42" Width x 65" Height, Sectional, Insulated Aluminum Valve Enclosure ..... <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	19,491.04 2,809.30 820.86 1,468.91	304.94
22 11 19 00-0498 EA 172" Length x 42" Width x 65" Height, Sectional, Insulated Aluminum Valve Enclosure ..... <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	22,740.04 3,290.93 820.86 1,468.91	320.20
22 11 19 00-0499 EA 142" Length x 42" Width x 85" Height, Sectional, Insulated Aluminum Valve Enclosure ..... <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	22,778.15 3,290.93 820.86 1,468.91	335.45
22 11 19 00-0500 EA 172" Length x 42" Width x 85" Height, Sectional, Insulated Aluminum Valve Enclosure ..... <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	26,996.66 3,917.99 820.86 1,468.91	350.69
22 11 19 00-0501 Faucets (Hose Bibbs) <small>(22 11 19)</small>		
22 11 19 00-0502 Bronze Garden Hose Valves (Hose Bibbs), Screwed Ends <small>(22 11 19 00-0501)</small>		
22 11 19 00-0503 EA 1/2", 125 LB Bronze Garden Hose Valves (Hose Bibbs), Screwed Ends .....	60.59	11.04
22 11 19 00-0504 EA 3/4", 125 LB Bronze Garden Hose Valves (Hose Bibbs), Screwed Ends .....	69.88	12.14
22 11 19 00-0505 EA 3/4" Screwed Ends Vacuum Breaker (Mueller 108-904NL) .....	18.47	8.28
22 11 19 00-0506 Chrome Plated Brass Hose Valves, Screwed Ends <small>(22 11 19 00-0501)</small>		
22 11 19 00-0507 EA 3/4" Hose Valve With Screwed Ends (Chicago Faucets #387-CP) .....	216.99	33.77



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>22 11 19 00-0508</b>	<b>Antisiphon Freezeless Wall Faucet (Woodford 19CP)</b> <small>(22 11 19 00-0501)</small>		
22 11 19 00-0509	EA 4" Long, 1/2" Antisiphon Freezeless Wall Faucet .....	136.23	27.60
22 11 19 00-0510	EA 6" Long, 1/2" Antisiphon Freezeless Wall Faucet .....	147.48	30.58
22 11 19 00-0511	EA 8" Long, 1/2" Antisiphon Freezeless Wall Faucet .....	155.95	32.34
22 11 19 00-0512	EA 10" Long, 1/2" Antisiphon Freezeless Wall Faucet .....	164.43	34.66
22 11 19 00-0513	EA 12" Long, 1/2" Antisiphon Freezeless Wall Faucet .....	173.02	36.75

<b>22 11 19 00-0514</b>	<b>Keyed, Recessed Valve Boxes</b> <small>(22 11 19)</small>		
22 11 19 00-0515	EA 8" x 8" x 4" Painted Steel, Keyed, Recessed Valve Box .....	349.77	32.93
22 11 19 00-0516	EA 8" x 8" x 6" Painted Steel, Keyed, Recessed Valve Box .....	390.34	32.93
22 11 19 00-0517	EA 8" x 8" x 8" Painted Steel, Keyed, Recessed Valve Box .....	451.18	32.93
22 11 19 00-0518	EA 12" x 12" x 4" Painted Steel, Keyed, Recessed Valve Box .....	432.57	43.90
22 11 19 00-0519	EA 12" x 12" x 6" Painted Steel, Keyed, Recessed Valve Box .....	493.41	43.90
22 11 19 00-0520	EA 12" x 12" x 8" Painted Steel, Keyed, Recessed Valve Box .....	511.66	43.90
22 11 19 00-0521	EA 8" x 8" x 4" Stainless Steel, Keyed, Recessed Valve Box .....	414.67	32.93
22 11 19 00-0522	EA 8" x 8" x 6" Stainless Steel, Keyed, Recessed Valve Box .....	503.91	32.93
22 11 19 00-0523	EA 8" x 8" x 8" Stainless Steel, Keyed, Recessed Valve Box .....	583.01	32.93
22 11 19 00-0524	EA 12" x 12" x 4" Stainless Steel, Keyed, Recessed Valve Box .....	546.14	43.90
22 11 19 00-0525	EA 12" x 12" x 6" Stainless Steel, Keyed, Recessed Valve Box .....	625.24	43.90
22 11 19 00-0526	EA 12" x 12" x 8" Stainless Steel, Keyed, Recessed Valve Box .....	655.66	43.90

**22 11 23 Domestic Water Pumps** (22 11)

**22 11 23 13 Domestic Water Packaged Booster Pumps** (22 11 23)

Note: Includes motor starter and controls.

<b>22 11 23 13-0001</b>	<b>Simplex Domestic Water Packaged Booster Pumps And Tank</b> <small>(22 11 23 13)</small>		
22 11 23 13-0002	EA 1 HP Simplex Domestic Water Packaged Booster Pump And Tank .....	15,402.14	325.28
22 11 23 13-0003	EA 1.5 HP Simplex Domestic Water Packaged Booster Pump And Tank .....	15,904.40	437.09
22 11 23 13-0004	EA 2 HP Simplex Domestic Water Packaged Booster Pump And Tank .....	16,518.04	548.90
22 11 23 13-0005	EA 3 HP Simplex Domestic Water Packaged Booster Pump And Tank .....	17,075.98	660.71
22 11 23 13-0006	EA 5 HP Simplex Domestic Water Packaged Booster Pump And Tank .....	18,858.96	772.53
22 11 23 13-0007	EA 7.5 HP Simplex Domestic Water Packaged Booster Pump And Tank .....	20,920.35	884.34
22 11 23 13-0008	EA 10 HP Simplex Domestic Water Packaged Booster Pump And Tank .....	22,313.54	996.16

<b>22 11 23 13-0009</b>	<b>Duplex Domestic Water Packaged Booster Pumps And Hydrocumulator</b> <small>(22 11 23 13)</small>		
22 11 23 13-0010	EA 100 GPM Duplex Domestic Water Packaged Booster Pumps And Hydrocumulator .....	41,005.74	1,322.78
22 11 23 13-0011	EA 200 GPM Duplex Domestic Water Packaged Booster Pumps And Hydrocumulator .....	49,589.94	1,405.46
22 11 23 13-0012	EA 300 GPM Duplex Domestic Water Packaged Booster Pumps And Hydrocumulator .....	58,209.64	1,488.13

<b>22 11 23 13-0013</b>	<b>Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator</b> <small>(22 11 23 13)</small>		
22 11 23 13-0014	EA 200 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator .....	54,336.92	1,405.46
22 11 23 13-0015	EA 300 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator .....	67,931.19	1,488.13
22 11 23 13-0016	EA 500 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator .....	84,642.98	1,653.48
22 11 23 13-0017	EA 750 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator .....	107,526.52	1,818.83
22 11 23 13-0018	EA 1,000 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator .....	130,410.07	1,984.18
22 11 23 13-0019	EA 1,750 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator .....	152,009.39	2,232.20
22 11 23 13-0020	EA 2,500 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator .....	173,608.72	2,480.23
22 11 23 13-0021	EA 3,750 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator .....	195,208.03	2,728.25
22 11 23 13-0022	EA 5,000 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator .....	217,014.05	3,058.94

**22 11 23 23 Domestic-Water In-Line Pumps** (22 11 23)

<b>22 11 23 23-0001</b>	<b>Bronze In-Line Centrifugal Domestic Water Booster Pumps</b> <small>(22 11 23 23)</small>		
Note: ODP motor.			
22 11 23 23-0002	EA 1/12 HP, 3/4" To 1-1/2" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PL30B) .....	1,111.97	182.96
22 11 23 23-0003	EA 1/6 HP, 3/4" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PL36B) .....	1,143.35	182.96
22 11 23 23-0004	EA 1/6 HP, 1" To 1-1/4" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PL45B) .....	1,198.31	186.52
22 11 23 23-0005	EA 1/6 HP, 1-1/2" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PL50B) .....	1,324.62	194.15
22 11 23 23-0006	EA 1/6 HP, 2" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PL75B) .....	2,426.18	201.38
22 11 23 23-0007	EA 1/6 HP, 2" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G 2AB) .....	2,592.82	201.38
22 11 23 23-0008	EA 1/4 HP, 2-1/2" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G 2-1/2AB) .....	3,903.19	221.72
22 11 23 23-0009	EA 1/4 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G LD3 AB) .....	4,065.89	243.59
22 11 23 23-0010	EA 1/3 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G HD3 AB) .....	4,932.08	268.00
22 11 23 23-0011	EA 1/2 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PDB35S) .....	5,033.52	294.95
22 11 23 23-0012	EA 3/4 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PDB37S) .....	5,504.15	323.94
22 11 23 23-0013	EA 1 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PDB38S) .....	7,925.93	356.48
22 11 23 23-0014	EA 1-1/2 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PDB40S) .....	9,143.29	373.77

<b>22 11 23 23-0015</b>	<b>Cast Iron In-Line Centrifugal Domestic Water Booster Pumps</b> <small>(22 11 23 23)</small>		
Note: ODP motor.			
22 11 23 23-0016	EA 1/12 HP, 3/4" To 1-1/2" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL30) .....	1,160.82	182.96
22 11 23 23-0017	EA 1/6 HP, 3/4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL36) .....	1,985.61	182.96
22 11 23 23-0018	EA 1/6 HP, 1" To 1-1/4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL45) .....	1,992.96	186.52



	<b>Plumbing</b>	<b>22</b>	
	<b>Plumbing Piping</b>	<b>22 10</b>	<b>22</b>
	<b>Facility Water Distribution</b>	<b>22 11</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 23 23-0019 EA 1/6 HP, 1-1/4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL45).....	2,027.16	190.59
22 11 23 23-0020 EA 1/6 HP, 1-1/2" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL50).....	2,034.26	194.15
22 11 23 23-0021 EA 1/6 HP, 2" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL75).....	2,071.36	201.38
22 11 23 23-0022 EA 1/4 HP, 2-1/2" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 2-1/2).....	2,540.60	221.72
22 11 23 23-0023 EA 1/3 HP, 3" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G HD30).....	3,284.28	268.00
22 11 23 23-0024 EA 1/2 HP, 3" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PD35S).....	3,455.69	294.95
22 11 23 23-0025 EA 3/4 HP, 3" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PD37S).....	4,041.00	323.94
22 11 23 23-0026 EA 1 HP, 3" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PD38S).....	5,482.42	356.48
22 11 23 23-0027 EA 1-1/2 HP, 3" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PD40S).....	6,424.92	373.77
22 11 23 23-0028 EA 2 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x7, BF).....	5,747.67	392.59
22 11 23 23-0029 EA 3 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x7, BF).....	6,175.15	431.54
22 11 23 23-0030 EA 5 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x7, BF).....	6,784.17	457.68
22 11 23 23-0031 EA 7-1/2 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x9-1/2, BF).....	8,628.06	508.53
22 11 23 23-0032 EA 10 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x9-1/2, BF).....	9,126.41	610.34
22 11 23 23-0033 EA 15 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x9-1/2, BF).....	11,665.41	712.25

**22 12 Facility Potable-Water Storage Tanks (22 10)**

**22 12 19 Facility Ground-Mounted, Potable-Water Storage Tanks (22 12)**

**22 12 19 00-0001 Steel, Horizontal, Ground-Mounted Water Tanks (22 12 19)**

22 12 19 00-0002 EA 5,000 Gallon, Steel, Horizontal, Ground-Mounted Water Tank.....	41,638.81	9,435.60
22 12 19 00-0003 EA 10,000 Gallon, Steel, Horizontal, Ground-Mounted Water Tank.....	47,438.11	9,435.60
22 12 19 00-0004 EA 20,000 Gallon, Steel, Horizontal, Ground-Mounted Water Tank.....	85,826.46	14,561.13
22 12 19 00-0005 EA 35,000 Gallon, Steel, Horizontal, Ground-Mounted Water Tank.....	110,770.58	18,871.20

**22 12 19 00-0006 Galvanized Steel, Flat Bottom, Vertical Storage Tanks (22 12 19)**

22 12 19 00-0007 EA 5,000 Gallon Galvanized Steel, Flat Bottom, Vertical Storage Tank.....	50,230.36	9,435.60
22 12 19 00-0008 EA 10,000 Gallon Galvanized Steel, Flat Bottom, Vertical Storage Tank.....	70,420.51	9,435.60
22 12 19 00-0009 EA 20,000 Gallon Galvanized Steel, Flat Bottom, Vertical Storage Tank.....	104,877.11	14,561.13
22 12 19 00-0010 EA 35,000 Gallon Galvanized Steel, Flat Bottom, Vertical Storage Tank.....	151,331.64	18,871.20

**22 12 23 Facility Indoor Potable-Water Storage Tanks (22 12)**

**22 12 23 13 Facility Steel, Indoor Potable-Water Storage Pressure Tanks (22 12 23)**

**22 12 23 13-0001 Insulated Glass Lined Storage Tank (A.O. Smith TJ, TJV And TJH) (22 12 23 13)**

22 12 23 13-0002 EA 80 Gallon ASME Rated Tank, 150PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJ-80A).....	2,568.89	406.59
22 12 23 13-0003 EA 119 Gallon 150 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-120M).....	3,181.42	508.24
22 12 23 13-0004 EA 140 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-140A).....	5,961.22	559.07
22 12 23 13-0005 EA 200 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-200A).....	6,594.42	609.89
22 12 23 13-0006 EA 250 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-250A).....	13,228.95	660.71
22 12 23 13-0007 EA 350 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-350A).....	11,365.46	711.54
22 12 23 13-0008 EA 400 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-400A).....	19,618.00	762.36
22 12 23 13-0009 EA 500 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-500A).....	18,052.58	813.19
22 12 23 13-0010 EA 750 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-750A).....	19,616.00	864.01
22 12 23 13-0011 EA 1,000 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-1000A).....	23,399.22	914.83

**22 12 23 13-0012 Uninsulated Glass Lined Storage Tank (A.O. Smith T) (22 12 23 13)**

22 12 23 13-0013 EA 80 Gallon 150 PSI, Uninsulated, Glass Lined Water Storage Tank (T-80S).....	2,184.55	406.59
22 12 23 13-0014 EA 120 Gallon 150 PSA, Uninsulated, Glass Lined Water Storage Tank (T-120S).....	4,263.93	508.24
22 12 23 13-0015 EA 140 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-140A).....	5,349.97	559.07
22 12 23 13-0016 EA 200 Gallon 150 PSI, Uninsulated, Glass Lined Water Storage Tank (T-200S).....	6,632.25	609.89
22 12 23 13-0017 EA 200 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-200A).....	5,611.02	609.89
22 12 23 13-0018 EA 250 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-250A).....	8,744.27	660.71
22 12 23 13-0019 EA 325 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-325A).....	9,464.50	711.54
22 12 23 13-0020 EA 350 Gallon 150 PSI, Uninsulated, Glass Lined Water Storage Tank (T-350S).....	9,000.57	711.54
22 12 23 13-0021 EA 350 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-350A).....	8,198.04	711.54
22 12 23 13-0022 EA 400 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-400A).....	11,267.22	762.36
22 12 23 13-0023 EA 500 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-500A).....	12,226.09	813.19
22 12 23 13-0024 EA 750 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-750A).....	14,213.31	864.01
22 12 23 13-0025 EA 1,000 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-1000A).....	26,835.54	914.83

**22 12 23 26 Facility Plastic, Indoor Potable-Water Storage Non-Pressure Tanks (22 12 23)**

**22 12 23 26-0001 Horizontal Non-Pressurized Polyethylene Tanks (22 12 23 26)**

Note: Excludes excavation and backfill.		
22 12 23 26-0002 EA 100 Gallon Horizontal Non-Pressurized Polyethylene Tank.....	706.23	228.71
For Saddle Assembly, Add	793.06	

**22 Plumbing**  
**22 10 Plumbing Piping**  
**22 12 Facility Potable-Water Storage Tanks**



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 12 23 26-0003 EA 150 Gallon Horizontal Non-Pressurized Polyethylene Tank ..... <i>For Saddle Assembly, Add</i>	827.46 793.06	266.83
22 12 23 26-0004 EA 200 Gallon Horizontal Non-Pressurized Polyethylene Tank ..... <i>For Saddle Assembly, Add</i>	983.89 912.75	304.94
22 12 23 26-0005 EA 300 Gallon Horizontal Non-Pressurized Polyethylene Tank ..... <i>For Saddle Assembly, Add</i>	1,203.69 1,379.77	343.06
22 12 23 26-0006 EA 335 Gallon Horizontal Non-Pressurized Polyethylene Tank ..... <i>For Two Tie Down Bands, Add</i>	1,449.30 452.02	381.19
22 12 23 26-0007 EA 535 Gallon Horizontal Non-Pressurized Polyethylene Tank ..... <i>For Two Tie Down Bands, Add</i>	1,879.26 484.88	527.79
22 12 23 26-0008 EA 1,035 Gallon Horizontal Non-Pressurized Polyethylene Tank ..... <i>For Three Tie Down Bands, Add</i>	2,835.02 832.91	615.76
22 12 23 26-0009 EA 1,335 Gallon Horizontal Non-Pressurized Polyethylene Tank ..... <i>For Three Tie Down Bands, Add</i>	4,118.27 839.95	703.72
22 12 23 26-0010 EA 1,635 Gallon Horizontal Non-Pressurized Polyethylene Tank ..... <i>For Four Tie Down Bands, Add</i>	5,153.18 1,138.71	791.69
22 12 23 26-0011 EA 2,035 Gallon Horizontal Non-Pressurized Polyethylene Tank ..... <i>For Four Tie Down Bands, Add</i>	6,043.64 1,617.47	879.66
22 12 23 26-0012 EA 2,635 Gallon Horizontal Non-Pressurized Polyethylene Tank ..... <i>For Four Tie Down Bands, Add</i>	8,682.72 2,143.17	967.62
22 12 23 26-0013 EA 3,135 Gallon Horizontal Non-Pressurized Polyethylene Tank ..... <i>For Four Tie Down Bands, Add</i>	10,067.31 2,321.53	1,055.60
22 12 23 26-0014 EA 4,035 Gallon Horizontal Non-Pressurized Polyethylene Tank ..... <i>For Four Tie Down Bands, Add</i>	14,477.04 2,631.31	1,407.46
22 12 23 26-0015 EA 5,025 Gallon Horizontal Non-Pressurized Polyethylene Tank ..... <i>For Five Tie Down Bands, Add</i>	18,790.33 4,145.74	1,407.46

**22 12 23 26-0016 Vertical Non-Pressurized Polyethylene Tanks** (22 12 23 26)

22 12 23 26-0017 EA 100 Gallon Vertical Non-Pressurized Polyethylene Tank.....	760.94	304.94
22 12 23 26-0018 EA 160 Gallon Vertical Non-Pressurized Polyethylene Tank.....	924.83	324.01
22 12 23 26-0019 EA 210 Gallon Vertical Non-Pressurized Polyethylene Tank.....	1,018.29	343.06
22 12 23 26-0020 EA 300 Gallon Vertical Non-Pressurized Polyethylene Tank.....	1,240.43	381.19
22 12 23 26-0021 EA 405 Gallon Vertical Non-Pressurized Polyethylene Tank.....	1,410.14	457.42
22 12 23 26-0022 EA 500 Gallon Vertical Non-Pressurized Polyethylene Tank.....	1,666.68	533.66
22 12 23 26-0023 EA 800 Gallon Vertical Non-Pressurized Polyethylene Tank.....	2,355.78	703.72
22 12 23 26-0024 EA 1,000 Gallon Vertical Non-Pressurized Polyethylene Tank.....	3,055.03	879.66
22 12 23 26-0025 EA 2,000 Gallon Vertical Non-Pressurized Polyethylene Tank.....	4,125.09	1,055.60
22 12 23 26-0026 EA 3,000 Gallon Vertical Non-Pressurized Polyethylene Tank.....	5,415.74	1,231.53
22 12 23 26-0027 EA 4,000 Gallon Vertical Non-Pressurized Polyethylene Tank.....	8,027.68	1,407.46
22 12 23 26-0028 EA 5,000 Gallon Vertical Non-Pressurized Polyethylene Tank.....	10,916.54	1,583.39
22 12 23 26-0029 EA 6,250 Gallon Vertical Non-Pressurized Polyethylene Tank.....	12,380.88	1,759.32
22 12 23 26-0030 EA 7,000 Gallon Vertical Non-Pressurized Polyethylene Tank.....	13,643.37	1,935.25
22 12 23 26-0031 EA 8,000 Gallon Vertical Non-Pressurized Polyethylene Tank.....	15,736.64	2,111.18
22 12 23 26-0032 EA 9,150 Gallon Vertical Non-Pressurized Polyethylene Tank.....	17,790.03	2,287.11
22 12 23 26-0033 EA 10,500 Gallon Vertical Non-Pressurized Polyethylene Tank.....	22,072.92	2,463.05
22 12 23 26-0034 EA 12,500 Gallon Vertical Non-Pressurized Polyethylene Tank.....	26,578.65	2,814.91

**22 13 Facility Sanitary Sewerage** (22 10)

**22 13 16 Sanitary Waste and Vent Piping** (22 13)

**22 13 16 00-0001 Cast Iron Soil Pipe Assemblies** (22 13 16)

**22 13 16 00-0002 Underground Bell And Spigot Cast Iron Soil Pipe Assemblies** (22 13 16 00-0001)

Note: Includes fittings and gaskets. Fittings are assumed every 10'. Excludes excavation, backfill and compaction. Not for use where detail is available.

22 13 16 00-0003 LF 2" Underground Bell And Spigot Cast Iron Soil Pipe Assembly .....	44.45	6.40
<i>Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.</i>		
<i>For Work In Restricted Working Space, Add</i>		
22 13 16 00-0004 LF 3" Underground Bell And Spigot Cast Iron Soil Pipe Assembly .....	64.35	9.65
<i>Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.</i>		
<i>For Work In Restricted Working Space, Add</i>		
22 13 16 00-0005 LF 4" Underground Bell And Spigot Cast Iron Soil Pipe Assembly .....	83.67	12.30
<i>Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.</i>		
<i>For Work In Restricted Working Space, Add</i>		
22 13 16 00-0006 LF 5" Underground Bell And Spigot Cast Iron Soil Pipe Assembly .....	100.84	15.03
<i>Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.</i>		
<i>For Work In Restricted Working Space, Add</i>		
22 13 16 00-0007 LF 6" Underground Bell And Spigot Cast Iron Soil Pipe Assembly .....	119.78	16.38
<i>Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.</i>		
<i>For Work In Restricted Working Space, Add</i>		
22 13 16 00-0008 LF 8" Underground Bell And Spigot Cast Iron Soil Pipe Assembly .....	194.34	23.33
<i>Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.</i>		
<i>For Work In Restricted Working Space, Add</i>		



<b>Plumbing</b>	<b>22</b>	<b>22</b>
<b>Plumbing Piping</b>	<b>22 10</b>	
<b>Facility Sanitary Sewerage</b>	<b>22 13</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0009 LF 10" Underground Bell And Spigot Cast Iron Soil Pipe Assembly..... Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	296.41  14.96	23.33
<b>22 13 16 00-0010 Aboveground No Hub Cast Iron Soil Pipe Assemblies (22 13 16 00-0001)</b> Note: Includes fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
22 13 16 00-0011 LF 1-1/2" Aboveground No Hub Cast Iron Soil Pipe Assembly..... Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	31.88  5.36	6.10
22 13 16 00-0012 LF 2" Aboveground No Hub Cast Iron Soil Pipe Assembly..... Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	33.73  5.75	6.51
22 13 16 00-0013 LF 3" Aboveground No Hub Cast Iron Soil Pipe Assembly..... Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	43.38  7.06	9.45
22 13 16 00-0014 LF 4" Aboveground No Hub Cast Iron Soil Pipe Assembly..... Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	51.93  8.44	12.30
22 13 16 00-0015 LF 5" Aboveground No Hub Cast Iron Soil Pipe Assembly..... Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	67.91  10.01	14.75
22 13 16 00-0016 LF 6" Aboveground No Hub Cast Iron Soil Pipe Assembly..... Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	77.46  10.91	16.10
22 13 16 00-0017 LF 8" Aboveground No Hub Cast Iron Soil Pipe Assembly..... Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	122.53  15.06	23.14
22 13 16 00-0018 LF 10" Aboveground No Hub Cast Iron Soil Pipe Assembly..... Note: Includes all fittings, couplings and hangers. Fittings are assumed every 20'. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	176.23  17.50	26.29
<b>22 13 16 00-0019 Bell And Spigot Cast Iron Soil Pipe And Fittings (22 13 16)</b> Note: Service weight. ASTM A74 and CISPI 301 (Fitting Requirements).		
<b>22 13 16 00-0020 Bell And Spigot Cast Iron Pipe (22 13 16 00-0019)</b> Note: Excludes excavation, hangers, gaskets, and fittings.		
22 13 16 00-0021 LF 2" Bell And Spigot Cast Iron Pipe..... <i>For Extra Heavy Pipe, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	32.73 9.68 0.48 2.90	6.40
22 13 16 00-0022 LF 3" Bell And Spigot Cast Iron Pipe..... <i>For Extra Heavy Pipe, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	47.56 13.88 0.73 4.36	9.65
22 13 16 00-0023 LF 4" Bell And Spigot Cast Iron Pipe..... <i>For Extra Heavy Pipe, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	61.44 18.04 0.92 5.54	12.30
22 13 16 00-0024 LF 5" Bell And Spigot Cast Iron Pipe..... <i>For Extra Heavy Pipe, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	83.12 25.46 1.12 6.75	15.03
22 13 16 00-0025 LF 6" Bell And Spigot Cast Iron Pipe..... <i>For Extra Heavy Pipe, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	98.36 31.01 1.23 7.36	16.38
22 13 16 00-0026 LF 8" Bell And Spigot Cast Iron Pipe..... <i>For Extra Heavy Pipe, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	149.83 48.23 1.75 10.50	23.33
22 13 16 00-0027 LF 10" Bell And Spigot Cast Iron Pipe..... <i>For Extra Heavy Pipe, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	230.56 80.30 1.97 11.81	26.29
22 13 16 00-0028 LF 12" Bell And Spigot Cast Iron Pipe..... <i>For Extra Heavy Pipe, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	330.22 116.64 2.63 15.75	35.05
22 13 16 00-0029 LF 15" Bell And Spigot Cast Iron Pipe..... <i>For Extra Heavy Pipe, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	468.90 170.47 3.15 18.90	42.04

**22 Plumbing**  
**22 10 Plumbing Piping**  
**22 13 Facility Sanitary Sewerage**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0030			<b>Bell And Spigot Cast Iron Fittings</b> <small>(22 13 16 00-0019)</small>		
22 13 16 00-0031			<b>Bell And Spigot Cast Iron Long Sweeps</b> <small>(22 13 16 00-0030)</small>		
22 13 16 00-0032	EA		2" Bell And Spigot Cast Iron Long Sweep.....	110.62	29.17
			<i>For Extra Heavy Fittings, Add</i>	23.42	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	2.19	
			<i>For Work In Restricted Working Space, Add</i>	13.12	
22 13 16 00-0033	EA		3" Bell And Spigot Cast Iron Long Sweep.....	190.68	36.69
			<i>For Extra Heavy Fittings, Add</i>	47.51	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	2.75	
			<i>For Work In Restricted Working Space, Add</i>	16.48	
22 13 16 00-0034	EA		4" Bell And Spigot Cast Iron Long Sweep.....	254.05	48.79
			<i>For Extra Heavy Fittings, Add</i>	63.32	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	3.66	
			<i>For Work In Restricted Working Space, Add</i>	21.94	
22 13 16 00-0035	EA		6" Bell And Spigot Cast Iron Long Sweep.....	399.98	63.61
			<i>For Extra Heavy Fittings, Add</i>	106.62	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	4.77	
			<i>For Work In Restricted Working Space, Add</i>	28.61	
22 13 16 00-0036	EA		8" Bell And Spigot Cast Iron Long Sweep.....	802.48	82.11
			<i>For Extra Heavy Fittings, Add</i>	237.80	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	6.15	
			<i>For Work In Restricted Working Space, Add</i>	36.92	
22 13 16 00-0037	EA		10" Bell And Spigot Cast Iron Long Sweep.....	1,100.42	101.01
			<i>For Extra Heavy Fittings, Add</i>	332.14	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	7.57	
			<i>For Work In Restricted Working Space, Add</i>	45.44	
22 13 16 00-0038	EA		12" Bell And Spigot Cast Iron Long Sweep.....	1,690.89	140.98
			<i>For Extra Heavy Fittings, Add</i>	517.83	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	10.57	
			<i>For Work In Restricted Working Space, Add</i>	63.41	
22 13 16 00-0039	EA		15" Bell And Spigot Cast Iron Long Sweep.....	3,155.85	196.31
			<i>For Extra Heavy Fittings, Add</i>	1,001.53	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	14.72	
			<i>For Work In Restricted Working Space, Add</i>	88.30	
22 13 16 00-0040			<b>Bell And Spigot Cast Iron Short Sweeps</b> <small>(22 13 16 00-0030)</small>		
22 13 16 00-0041	EA		2" Bell And Spigot Cast Iron Short Sweep.....	92.96	29.17
			<i>For Extra Heavy Fittings, Add</i>	17.23	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	2.19	
			<i>For Work In Restricted Working Space, Add</i>	13.12	
22 13 16 00-0042	EA		3" Bell And Spigot Cast Iron Short Sweep.....	161.04	36.69
			<i>For Extra Heavy Fittings, Add</i>	37.14	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	2.75	
			<i>For Work In Restricted Working Space, Add</i>	16.48	
22 13 16 00-0043	EA		4" Bell And Spigot Cast Iron Short Sweep.....	220.72	48.79
			<i>For Extra Heavy Fittings, Add</i>	51.66	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	3.66	
			<i>For Work In Restricted Working Space, Add</i>	21.94	
22 13 16 00-0044	EA		5" Bell And Spigot Cast Iron Short Sweep.....	336.25	54.07
			<i>For Extra Heavy Fittings, Add</i>	89.32	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	4.05	
			<i>For Work In Restricted Working Space, Add</i>	24.31	
22 13 16 00-0045	EA		6" Bell And Spigot Cast Iron Short Sweep.....	406.33	63.61
			<i>For Extra Heavy Fittings, Add</i>	108.84	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	4.77	
			<i>For Work In Restricted Working Space, Add</i>	28.61	
22 13 16 00-0046	EA		8" Bell And Spigot Cast Iron Short Sweep.....	674.72	82.11
			<i>For Extra Heavy Fittings, Add</i>	193.08	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	6.15	
			<i>For Work In Restricted Working Space, Add</i>	36.92	
22 13 16 00-0047	EA		10" Bell And Spigot Cast Iron Short Sweep.....	991.42	101.01
			<i>For Extra Heavy Fittings, Add</i>	293.99	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	7.57	
			<i>For Work In Restricted Working Space, Add</i>	45.44	
22 13 16 00-0048	EA		12" Bell And Spigot Cast Iron Short Sweep.....	1,650.25	140.98
			<i>For Extra Heavy Fittings, Add</i>	503.60	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	10.57	
			<i>For Work In Restricted Working Space, Add</i>	63.41	
22 13 16 00-0049			<b>Bell And Spigot Cast Iron 1/4 Bends</b> <small>(22 13 16 00-0030)</small>		
22 13 16 00-0050	EA		2" Bell And Spigot Cast Iron 1/4 Bend.....	82.95	29.07
			<i>For Extra Heavy Fittings, Add</i>	13.76	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	2.18	
			<i>For Work In Restricted Working Space, Add</i>	13.09	
22 13 16 00-0051	EA		3" Bell And Spigot Cast Iron 1/4 Bend.....	127.69	32.73
			<i>For Extra Heavy Fittings, Add</i>	27.50	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	2.46	
			<i>For Work In Restricted Working Space, Add</i>	14.73	
22 13 16 00-0052	EA		4" Bell And Spigot Cast Iron 1/4 Bend.....	183.31	43.60
			<i>For Extra Heavy Fittings, Add</i>	41.28	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	3.27	
			<i>For Work In Restricted Working Space, Add</i>	19.61	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0053 EA 5" Bell And Spigot Cast Iron 1/4 Bend ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	230.76 55.45 3.62 21.70	48.29
22 13 16 00-0054 EA 6" Bell And Spigot Cast Iron 1/4 Bend ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	277.61 66.79 4.34 26.03	57.83
22 13 16 00-0055 EA 8" Bell And Spigot Cast Iron 1/4 Bend ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	586.90 165.75 5.67 34.00	75.61
22 13 16 00-0056 EA 10" Bell And Spigot Cast Iron 1/4 Bend ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	870.26 256.45 6.88 41.27	91.75
22 13 16 00-0057 EA 12" Bell And Spigot Cast Iron 1/4 Bend ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,150.38 345.79 8.12 48.72	108.30
22 13 16 00-0058 EA 15" Bell And Spigot Cast Iron 1/4 Bend ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,965.02 948.14 12.80 76.82	170.82
<b>22 13 16 00-0059 Bell And Spigot Cast Iron 1/8 Bends (22 13 16 00-0030)</b>		
22 13 16 00-0060 EA 2" Bell And Spigot Cast Iron 1/8 Bend ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	75.11 10.99 2.19 13.12	29.17
22 13 16 00-0061 EA 3" Bell And Spigot Cast Iron 1/8 Bend ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	119.72 22.67 2.75 16.48	36.69
22 13 16 00-0062 EA 4" Bell And Spigot Cast Iron 1/8 Bend ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	171.43 34.41 3.66 21.94	48.79
22 13 16 00-0063 EA 5" Bell And Spigot Cast Iron 1/8 Bend ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	214.50 43.38 4.53 27.17	60.44
22 13 16 00-0064 EA 6" Bell And Spigot Cast Iron 1/8 Bend ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	248.65 51.66 5.05 30.32	67.38
22 13 16 00-0065 EA 8" Bell And Spigot Cast Iron 1/8 Bend ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	505.09 129.25 6.79 40.74	90.57
22 13 16 00-0066 EA 10" Bell And Spigot Cast Iron 1/8 Bend ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	709.99 189.84 8.38 50.27	111.75
22 13 16 00-0067 EA 12" Bell And Spigot Cast Iron 1/8 Bend ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,155.77 328.50 10.86 65.16	144.92
22 13 16 00-0068 EA 15" Bell And Spigot Cast Iron 1/8 Bend ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,240.42 694.53 12.80 76.82	170.82
<b>22 13 16 00-0069 Bell And Spigot Cast Iron Wyes (22 13 16 00-0030)</b>		
22 13 16 00-0070 EA 2" Bell And Spigot Cast Iron Wye ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	127.94 10.57 4.89 29.32	65.16
22 13 16 00-0071 EA 3" Bell And Spigot Cast Iron Wye ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	163.57 19.80 5.35 32.10	71.36
22 13 16 00-0072 EA 4" Bell And Spigot Cast Iron Wye ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	215.45 26.35 7.01 42.05	93.52
22 13 16 00-0073 EA 5" Bell And Spigot Cast Iron Wye ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	281.41 43.91 7.80 46.79	104.00

**22 Plumbing**  
**22 10 Plumbing Piping**  
**22 13 Facility Sanitary Sewerage**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0074	EA		6" Bell And Spigot Cast Iron Wye ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	354.82 59.49 9.24 55.46	123.27
22 13 16 00-0075	EA		8" Bell And Spigot Cast Iron Wye ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	664.78 145.88 12.40 74.40	165.40
22 13 16 00-0076	EA		10" Bell And Spigot Cast Iron Wye ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	942.83 231.54 14.06 84.39	187.65
22 13 16 00-0077	EA		12" Bell And Spigot Cast Iron Wye ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,406.70 372.49 17.12 102.73	228.41
22 13 16 00-0078	EA		15" Bell And Spigot Cast Iron Wye ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,206.57 637.83 19.21 115.26	256.27
<b>22 13 16 00-0079 Bell And Spigot Cast Iron Reducing Wyes (22 13 16 00-0030)</b>					
22 13 16 00-0080	EA		3" x 2" Bell And Spigot Cast Iron Reducing Wye ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	210.75 38.02 5.11 30.64	68.10
22 13 16 00-0081	EA		4" x 2" Bell And Spigot Cast Iron Reducing Wye ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	256.21 45.49 6.31 37.87	84.17
22 13 16 00-0082	EA		4" x 3" Bell And Spigot Cast Iron Reducing Wye ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	287.68 55.38 6.47 38.84	86.30
22 13 16 00-0083	EA		6" x 2" Bell And Spigot Cast Iron Reducing Wye ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	429.24 92.30 8.28 49.66	110.45
22 13 16 00-0084	EA		6" x 3" Bell And Spigot Cast Iron Reducing Wye ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	440.54 95.15 8.43 50.60	112.48
22 13 16 00-0085	EA		6" x 4" Bell And Spigot Cast Iron Reducing Wye ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	460.58 98.23 9.00 53.98	120.00
22 13 16 00-0086	EA		8" x 2" Bell And Spigot Cast Iron Reducing Wye ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	688.52 171.19 9.97 59.82	133.01
22 13 16 00-0087	EA		8" x 3" Bell And Spigot Cast Iron Reducing Wye ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	720.57 181.08 10.16 60.96	135.57
22 13 16 00-0088	EA		8" x 4" Bell And Spigot Cast Iron Reducing Wye ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	737.15 183.50 10.64 63.86	141.97
22 13 16 00-0089	EA		8" x 6" Bell And Spigot Cast Iron Reducing Wye ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	873.48 222.83 11.84 71.04	157.92
22 13 16 00-0090	EA		10" x 3" Bell And Spigot Cast Iron Reducing Wye ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,088.96 303.49 11.09 66.56	147.97
22 13 16 00-0091	EA		10" x 4" Bell And Spigot Cast Iron Reducing Wye ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,132.66 315.35 11.58 69.50	154.47
22 13 16 00-0092	EA		10" x 6" Bell And Spigot Cast Iron Reducing Wye ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,238.69 343.92 12.80 76.82	170.82
22 13 16 00-0093	EA		10" x 8" Bell And Spigot Cast Iron Reducing Wye ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,649.16 482.15 13.58 81.48	181.15
22 13 16 00-0094	EA		12" x 4" Bell And Spigot Cast Iron Reducing Wye ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,698.76 499.51 13.58 81.48	181.15



<b>Plumbing</b>	<b>22</b>
<b>Plumbing Piping</b>	<b>22 10</b>
<b>Facility Sanitary Sewerage</b>	<b>22 13</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0095 EA 12" x 6" Bell And Spigot Cast Iron Reducing Wye .....	1,766.09	196.31
<i>For Extra Heavy Fittings, Add</i>	515.12	
<i>For Above Ground Cast Iron Pipe Installation, Add</i>	14.72	
<i>For Work In Restricted Working Space, Add</i>	88.30	
22 13 16 00-0096 EA 12" x 8" Bell And Spigot Cast Iron Reducing Wye .....	2,080.13	206.06
<i>For Extra Heavy Fittings, Add</i>	619.94	
<i>For Above Ground Cast Iron Pipe Installation, Add</i>	15.44	
<i>For Work In Restricted Working Space, Add</i>	92.66	
22 13 16 00-0097 EA 12" x 10" Bell And Spigot Cast Iron Reducing Wye .....	2,538.30	212.17
<i>For Extra Heavy Fittings, Add</i>	777.07	
<i>For Above Ground Cast Iron Pipe Installation, Add</i>	15.91	
<i>For Work In Restricted Working Space, Add</i>	95.43	
22 13 16 00-0098 EA 15" x 4" Bell And Spigot Cast Iron Reducing Wye .....	4,235.50	200.05
<i>For Extra Heavy Fittings, Add</i>	1,377.45	
<i>For Above Ground Cast Iron Pipe Installation, Add</i>	15.00	
<i>For Work In Restricted Working Space, Add</i>	89.98	
22 13 16 00-0099 EA 15" x 6" Bell And Spigot Cast Iron Reducing Wye .....	4,418.45	216.49
<i>For Extra Heavy Fittings, Add</i>	1,432.83	
<i>For Above Ground Cast Iron Pipe Installation, Add</i>	16.23	
<i>For Work In Restricted Working Space, Add</i>	97.40	
22 13 16 00-0100 EA 15" x 8" Bell And Spigot Cast Iron Reducing Wye .....	4,507.75	225.84
<i>For Extra Heavy Fittings, Add</i>	1,459.20	
<i>For Above Ground Cast Iron Pipe Installation, Add</i>	16.93	
<i>For Work In Restricted Working Space, Add</i>	101.58	
22 13 16 00-0101 EA 15" x 10" Bell And Spigot Cast Iron Reducing Wye .....	4,612.12	233.53
<i>For Extra Heavy Fittings, Add</i>	1,491.72	
<i>For Above Ground Cast Iron Pipe Installation, Add</i>	17.50	
<i>For Work In Restricted Working Space, Add</i>	105.02	
22 13 16 00-0102 EA 15" x 12" Bell And Spigot Cast Iron Reducing Wye .....	4,726.72	247.12
<i>For Extra Heavy Fittings, Add</i>	1,524.69	
<i>For Above Ground Cast Iron Pipe Installation, Add</i>	18.52	
<i>For Work In Restricted Working Space, Add</i>	111.14	
 <b>22 13 16 00-0103 Bell And Spigot Cast Iron Combination Wye And 1/8 Bends (22 13 16 00-0030)</b>		
22 13 16 00-0104 EA 2" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend.....	140.88	65.16
<i>For Extra Heavy Fittings, Add</i>	15.10	
<i>For Above Ground Cast Iron Pipe Installation, Add</i>	4.89	
<i>For Work In Restricted Working Space, Add</i>	29.32	
22 13 16 00-0105 EA 3" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend.....	171.55	71.36
<i>For Extra Heavy Fittings, Add</i>	22.59	
<i>For Above Ground Cast Iron Pipe Installation, Add</i>	5.35	
<i>For Work In Restricted Working Space, Add</i>	32.10	
22 13 16 00-0106 EA 4" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend.....	229.33	93.52
<i>For Extra Heavy Fittings, Add</i>	31.21	
<i>For Above Ground Cast Iron Pipe Installation, Add</i>	7.01	
<i>For Work In Restricted Working Space, Add</i>	42.05	
22 13 16 00-0107 EA 5" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend.....	325.08	109.11
<i>For Extra Heavy Fittings, Add</i>	56.54	
<i>For Above Ground Cast Iron Pipe Installation, Add</i>	8.18	
<i>For Work In Restricted Working Space, Add</i>	49.06	
22 13 16 00-0108 EA 6" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend.....	407.42	135.32
<i>For Extra Heavy Fittings, Add</i>	71.60	
<i>For Above Ground Cast Iron Pipe Installation, Add</i>	10.14	
<i>For Work In Restricted Working Space, Add</i>	60.86	
22 13 16 00-0109 EA 8" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend.....	764.96	178.10
<i>For Extra Heavy Fittings, Add</i>	174.29	
<i>For Above Ground Cast Iron Pipe Installation, Add</i>	13.35	
<i>For Work In Restricted Working Space, Add</i>	80.10	
22 13 16 00-0110 EA 10" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend.....	1,109.79	233.53
<i>For Extra Heavy Fittings, Add</i>	265.91	
<i>For Above Ground Cast Iron Pipe Installation, Add</i>	17.50	
<i>For Work In Restricted Working Space, Add</i>	105.02	
22 13 16 00-0111 EA 12" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend.....	1,491.19	300.18
<i>For Extra Heavy Fittings, Add</i>	364.40	
<i>For Above Ground Cast Iron Pipe Installation, Add</i>	22.50	
<i>For Work In Restricted Working Space, Add</i>	135.02	
 <b>22 13 16 00-0112 Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bends (22 13 16 00-0030)</b>		
22 13 16 00-0113 EA 3" x 2" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend .....	150.54	68.10
<i>For Extra Heavy Fittings, Add</i>	16.94	
<i>For Above Ground Cast Iron Pipe Installation, Add</i>	5.11	
<i>For Work In Restricted Working Space, Add</i>	30.64	
22 13 16 00-0114 EA 4" x 2" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend .....	215.16	84.17
<i>For Extra Heavy Fittings, Add</i>	31.12	
<i>For Above Ground Cast Iron Pipe Installation, Add</i>	6.31	
<i>For Work In Restricted Working Space, Add</i>	37.87	
22 13 16 00-0115 EA 4" x 3" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend .....	233.49	86.30
<i>For Extra Heavy Fittings, Add</i>	36.41	
<i>For Above Ground Cast Iron Pipe Installation, Add</i>	6.47	
<i>For Work In Restricted Working Space, Add</i>	38.84	

**22 Plumbing**  
**22 10 Plumbing Piping**  
**22 13 Facility Sanitary Sewerage**



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0116 EA 6" x 2" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	351.54 65.10 8.28 49.66	110.45
22 13 16 00-0117 EA 6" x 3" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	366.77 69.34 8.43 50.60	112.48
22 13 16 00-0118 EA 6" x 4" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	388.61 73.04 9.00 53.98	120.00
22 13 16 00-0119 EA 8" x 2" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	544.19 120.68 9.97 59.82	133.01
22 13 16 00-0120 EA 8" x 4" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	557.66 120.68 10.64 63.86	141.97
22 13 16 00-0121 EA 8" x 6" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	710.14 165.67 11.84 71.04	157.92
<b>22 13 16 00-0122 Bell And Spigot Cast Iron Double Wyes (22 13 16 00-0030)</b>		
22 13 16 00-0123 EA 2" Bell And Spigot Cast Iron Double Wye ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	236.14 41.76 5.84 35.05	77.97
22 13 16 00-0124 EA 3" Bell And Spigot Cast Iron Double Wye ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	347.61 70.10 7.37 44.20	98.29
22 13 16 00-0125 EA 4" Bell And Spigot Cast Iron Double Wye ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	474.01 100.65 9.32 55.93	124.31
22 13 16 00-0126 EA 6" Bell And Spigot Cast Iron Double Wye ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	921.90 223.28 14.20 85.19	189.39
22 13 16 00-0127 EA 8" Bell And Spigot Cast Iron Double Wye ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,887.91 543.47 16.76 100.55	223.58
22 13 16 00-0128 EA 10" Bell And Spigot Cast Iron Double Wye ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,514.26 748.72 18.75 112.52	250.16
22 13 16 00-0129 EA 12" Bell And Spigot Cast Iron Double Wye ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,709.40 440.77 22.50 135.02	300.18
22 13 16 00-0130 EA 15" Bell And Spigot Cast Iron Double Wye ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	4,962.49 1,571.47 23.63 141.78	315.05
<b>22 13 16 00-0131 Bell And Spigot Cast Iron Reducing Double Wyes (22 13 16 00-0030)</b>		
22 13 16 00-0132 EA 3" x 2" Bell And Spigot Cast Iron Reducing Double Wye ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	208.65 24.64 6.91 41.48	92.20
22 13 16 00-0133 EA 4" x 2" Bell And Spigot Cast Iron Reducing Double Wye ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	242.78 29.38 7.94 47.65	105.91
22 13 16 00-0134 EA 4" x 3" Bell And Spigot Cast Iron Reducing Double Wye ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	263.90 34.04 8.33 49.99	111.10
22 13 16 00-0135 EA 6" x 2" Bell And Spigot Cast Iron Reducing Double Wye ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	342.11 50.81 9.85 59.08	131.38
22 13 16 00-0136 EA 6" x 3" Bell And Spigot Cast Iron Reducing Double Wye ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	363.43 55.64 10.22 61.34	136.39



<b>Plumbing</b>	<b>22</b>	<b>22</b>
<b>Plumbing Piping</b>	<b>22 10</b>	
<b>Facility Sanitary Sewerage</b>	<b>22 13</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0137 EA 6" x 4" Bell And Spigot Cast Iron Reducing Double Wye..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	420.37 69.09 11.15 66.89	148.73
22 13 16 00-0138 EA 8" x 4" Bell And Spigot Cast Iron Reducing Double Wye..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	696.55 153.41 12.91 77.47	172.29
22 13 16 00-0139 EA 8" x 6" Bell And Spigot Cast Iron Reducing Double Wye..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	754.32 157.00 15.29 91.73	203.89
22 13 16 00-0140 EA 10" x 4" Bell And Spigot Cast Iron Reducing Double Wye..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	741.80 162.91 13.82 82.91	184.30
22 13 16 00-0141 EA 10" x 6" Bell And Spigot Cast Iron Reducing Double Wye..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	864.07 188.79 16.23 97.40	216.49
22 13 16 00-0142 EA 10" x 8" Bell And Spigot Cast Iron Reducing Double Wye..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,073.06 251.73 17.69 106.15	235.99
22 13 16 00-0143 EA 12" x 6" Bell And Spigot Cast Iron Reducing Double Wye..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,095.94 256.90 18.10 108.59	241.40
22 13 16 00-0144 EA 12" x 8" Bell And Spigot Cast Iron Reducing Double Wye..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,413.30 356.82 19.69 118.14	262.67
<b>22 13 16 00-0145 Bell And Spigot Cast Iron Double Combination Wye And 1/8 Bends (22 13 16 00-0030)</b>		
22 13 16 00-0146 EA 2" Bell And Spigot Cast Iron Double Combination Wye And 1/8 Bend ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	193.38 26.79 5.84 35.05	77.97
22 13 16 00-0147 EA 3" Bell And Spigot Cast Iron Double Combination Wye And 1/8 Bend ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	260.61 36.48 7.82 46.91	104.29
22 13 16 00-0148 EA 4" Bell And Spigot Cast Iron Double Combination Wye And 1/8 Bend ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	342.15 51.33 9.77 58.64	130.41
22 13 16 00-0149 EA 6" Bell And Spigot Cast Iron Double Combination Wye And 1/8 Bend ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	772.07 159.15 15.87 95.21	211.67
<b>22 13 16 00-0150 Bell And Spigot Cast Iron Reducing Double Combination Wye And 1/8 Bends (22 13 16 00-0030)</b>		
22 13 16 00-0151 EA 3" x 2" Bell And Spigot Cast Iron Reducing Double Combination Wye And 1/8 Bend ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	261.15 42.34 7.01 42.05	93.52
22 13 16 00-0152 EA 4" x 2" Bell And Spigot Cast Iron Reducing Double Combination Wye And 1/8 Bend ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	311.26 53.35 7.94 47.65	105.91
22 13 16 00-0153 EA 4" x 3" Bell And Spigot Cast Iron Reducing Double Combination Wye And 1/8 Bend ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	349.72 60.55 8.84 53.02	117.92
22 13 16 00-0154 EA 6" x 4" Bell And Spigot Cast Iron Reducing Double Combination Wye And 1/8 Bend ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	722.16 169.90 11.84 71.02	157.88
<b>22 13 16 00-0155 Bell And Spigot Cast Iron Sanitary Tees (22 13 16 00-0030)</b>		
22 13 16 00-0156 EA 2" Bell And Spigot Cast Iron Sanitary Tee ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	157.47 20.88 4.89 29.35	65.26
22 13 16 00-0157 EA 3" Bell And Spigot Cast Iron Sanitary Tee ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	179.83 25.49 5.35 32.10	71.36

**22 Plumbing**  
**22 10 Plumbing Piping**  
**22 13 Facility Sanitary Sewerage**



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0158 EA 4" Bell And Spigot Cast Iron Sanitary Tee ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	296.89 58.02 6.56 39.34	87.42
22 13 16 00-0159 EA 5" Bell And Spigot Cast Iron Sanitary Tee ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	439.39 103.29 7.21 43.29	96.19
22 13 16 00-0160 EA 6" Bell And Spigot Cast Iron Sanitary Tee ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	527.12 123.94 8.65 51.90	115.38
22 13 16 00-0161 EA 8" Bell And Spigot Cast Iron Sanitary Tee ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,158.99 326.34 11.33 67.98	151.13
22 13 16 00-0162 EA 10" Bell And Spigot Cast Iron Sanitary Tee ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,753.13 516.87 13.82 82.91	184.30
22 13 16 00-0163 EA 12" Bell And Spigot Cast Iron Sanitary Tee ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,631.50 807.39 16.23 97.40	216.49
<b>22 13 16 00-0164 Bell And Spigot Cast Iron Reducing Sanitary Tees (22 13 16 00-0030)</b>		
22 13 16 00-0165 EA 3" x 2" Bell And Spigot Cast Iron Reducing Sanitary Tee ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	216.40 39.99 5.11 30.64	68.10
22 13 16 00-0166 EA 4" x 2" Bell And Spigot Cast Iron Reducing Sanitary Tee ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	256.47 47.91 5.98 35.88	79.79
22 13 16 00-0167 EA 4" x 3" Bell And Spigot Cast Iron Reducing Sanitary Tee ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	269.65 52.52 5.98 35.88	79.79
22 13 16 00-0168 EA 6" x 2" Bell And Spigot Cast Iron Reducing Sanitary Tee ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	411.66 86.15 8.28 49.66	110.45
22 13 16 00-0169 EA 6" x 3" Bell And Spigot Cast Iron Reducing Sanitary Tee ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	429.24 91.20 8.43 50.60	112.48
22 13 16 00-0170 EA 6" x 4" Bell And Spigot Cast Iron Reducing Sanitary Tee ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	466.23 100.21 9.00 53.98	120.00
22 13 16 00-0171 EA 8" x 4" Bell And Spigot Cast Iron Reducing Sanitary Tee ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	811.87 209.65 10.64 63.86	141.97
22 13 16 00-0172 EA 8" x 6" Bell And Spigot Cast Iron Reducing Sanitary Tee ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,024.80 275.80 11.84 71.04	157.92
<b>22 13 16 00-0173 Bell And Spigot Cast Iron Vent Tees (22 13 16 00-0030)</b>		
22 13 16 00-0174 EA 2" Bell And Spigot Cast Iron Vent Tee ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	132.59 12.20 4.89 29.32	65.16
22 13 16 00-0175 EA 3" Bell And Spigot Cast Iron Vent Tee ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	167.65 21.23 5.35 32.10	71.36
22 13 16 00-0176 EA 4" Bell And Spigot Cast Iron Vent Tee ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	222.36 28.77 7.01 42.05	93.52
22 13 16 00-0177 EA 5" Bell And Spigot Cast Iron Vent Tee ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	286.16 42.92 8.18 49.06	109.11
22 13 16 00-0178 EA 6" Bell And Spigot Cast Iron Vent Tee ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	360.83 55.29 10.14 60.86	135.32



	<b>Plumbing</b>	<b>22</b>
	<b>Plumbing Piping</b>	<b>22 10</b>
	<b>Facility Sanitary Sewerage</b>	<b>22 13</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0179 EA 8" Bell And Spigot Cast Iron Vent Tee..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	634.61 128.67 13.35 80.10	178.10
<b>22 13 16 00-0180 Bell And Spigot Cast Iron Tapped Sanitary Tees</b> <small>(22 13 16 00-0030)</small>		
22 13 16 00-0181 EA 2" Bell And Spigot Cast Iron Tapped Sanitary Tee..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	136.67 13.63 4.89 29.32	65.16
22 13 16 00-0182 EA 3" Bell And Spigot Cast Iron Tapped Sanitary Tee..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	151.01 15.40 5.35 32.10	71.36
22 13 16 00-0183 EA 4" Bell And Spigot Cast Iron Tapped Sanitary Tee..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	194.42 18.99 7.01 42.05	93.52
<b>22 13 16 00-0184 Bell And Spigot Cast Iron Tapped Sanitary Crosses</b> <small>(22 13 16 00-0030)</small>		
22 13 16 00-0185 EA 2" Bell And Spigot Cast Iron Tapped Sanitary Cross..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	139.24 14.53 4.89 29.32	65.16
22 13 16 00-0186 EA 3" Bell And Spigot Cast Iron Tapped Sanitary Cross..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	155.91 17.12 5.35 32.10	71.36
22 13 16 00-0187 EA 4" Bell And Spigot Cast Iron Tapped Sanitary Cross..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	206.73 23.30 7.01 42.05	93.52
<b>22 13 16 00-0188 Bell And Spigot Cast Iron Reducers</b> <small>(22 13 16 00-0030)</small>		
22 13 16 00-0189 EA 3" x 2" Bell And Spigot Cast Iron Reducer..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	76.98 7.71 2.75 16.48	36.69
22 13 16 00-0190 EA 4" x 2" Bell And Spigot Cast Iron Reducer..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	95.65 8.06 3.63 21.78	48.38
22 13 16 00-0191 EA 4" x 3" Bell And Spigot Cast Iron Reducer..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	103.08 10.48 3.66 21.94	48.79
22 13 16 00-0192 EA 6" x 2" Bell And Spigot Cast Iron Reducer..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	131.13 15.23 4.38 26.29	58.41
22 13 16 00-0193 EA 6" x 3" Bell And Spigot Cast Iron Reducer..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	137.68 17.12 4.44 26.63	59.18
22 13 16 00-0194 EA 6" x 4" Bell And Spigot Cast Iron Reducer..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	142.30 18.11 4.53 27.17	60.44
22 13 16 00-0195 EA 8" x 2" Bell And Spigot Cast Iron Reducer..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	188.87 33.43 4.67 28.01	62.26
22 13 16 00-0196 EA 8" x 3" Bell And Spigot Cast Iron Reducer..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	211.49 33.78 5.75 34.49	76.69
22 13 16 00-0197 EA 8" x 4" Bell And Spigot Cast Iron Reducer..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	217.06 34.68 5.90 35.39	78.66
22 13 16 00-0198 EA 8" x 6" Bell And Spigot Cast Iron Reducer..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	223.96 35.32 6.15 36.92	82.11
22 13 16 00-0199 EA 10" x 4" Bell And Spigot Cast Iron Reducer..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	282.59 50.54 6.91 41.45	92.15
22 13 16 00-0200 EA 10" x 6" Bell And Spigot Cast Iron Reducer..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	298.05 53.51 7.26 43.55	96.78

**22 Plumbing**  
**22 10 Plumbing Piping**  
**22 13 Facility Sanitary Sewerage**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0201	EA		10" x 8" Bell And Spigot Cast Iron Reducer.....	318.16	101.01
			<i>For Extra Heavy Fittings, Add</i>	58.35	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	7.57	
			<i>For Work In Restricted Working Space, Add</i>	45.44	
22 13 16 00-0202	EA		12" x 4" Bell And Spigot Cast Iron Reducer.....	399.86	109.48
			<i>For Extra Heavy Fittings, Add</i>	82.52	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	8.20	
			<i>For Work In Restricted Working Space, Add</i>	49.23	
22 13 16 00-0203	EA		12" x 6" Bell And Spigot Cast Iron Reducer.....	444.26	128.09
			<i>For Extra Heavy Fittings, Add</i>	88.26	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	9.61	
			<i>For Work In Restricted Working Space, Add</i>	57.63	
22 13 16 00-0204	EA		12" x 8" Bell And Spigot Cast Iron Reducer.....	478.41	145.90
			<i>For Extra Heavy Fittings, Add</i>	90.87	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	10.94	
			<i>For Work In Restricted Working Space, Add</i>	65.63	
22 13 16 00-0205	EA		12" x 10" Bell And Spigot Cast Iron Reducer.....	521.82	168.05
			<i>For Extra Heavy Fittings, Add</i>	94.45	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	12.60	
			<i>For Work In Restricted Working Space, Add</i>	75.59	
22 13 16 00-0206	EA		15" x 6" Bell And Spigot Cast Iron Reducer.....	696.44	168.05
			<i>For Extra Heavy Fittings, Add</i>	155.57	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	12.60	
			<i>For Work In Restricted Working Space, Add</i>	75.59	
22 13 16 00-0207	EA		15" x 8" Bell And Spigot Cast Iron Reducer.....	740.37	181.15
			<i>For Extra Heavy Fittings, Add</i>	164.07	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	13.58	
			<i>For Work In Restricted Working Space, Add</i>	81.48	
22 13 16 00-0208	EA		15" x 10" Bell And Spigot Cast Iron Reducer.....	770.26	190.99
			<i>For Extra Heavy Fittings, Add</i>	169.35	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	14.32	
			<i>For Work In Restricted Working Space, Add</i>	85.92	
22 13 16 00-0209	EA		15" x 12" Bell And Spigot Cast Iron Reducer.....	810.89	203.89
			<i>For Extra Heavy Fittings, Add</i>	176.80	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	15.29	
			<i>For Work In Restricted Working Space, Add</i>	91.73	
<b>22 13 16 00-0210</b>			<b>Bell And Spigot Cast Iron P-Traps (22 13 16 00-0030)</b>		
22 13 16 00-0211	EA		2" Bell And Spigot Cast Iron P-Trap.....	81.39	29.17
			<i>For Extra Heavy Fittings, Add</i>	13.18	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	2.19	
			<i>For Work In Restricted Working Space, Add</i>	13.12	
22 13 16 00-0212	EA		3" Bell And Spigot Cast Iron P-Trap.....	109.75	36.69
			<i>For Extra Heavy Fittings, Add</i>	19.18	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	2.75	
			<i>For Work In Restricted Working Space, Add</i>	16.48	
22 13 16 00-0213	EA		4" Bell And Spigot Cast Iron P-Trap.....	149.92	48.79
			<i>For Extra Heavy Fittings, Add</i>	26.88	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	3.66	
			<i>For Work In Restricted Working Space, Add</i>	21.94	
22 13 16 00-0214	EA		5" Bell And Spigot Cast Iron P-Trap.....	245.67	54.07
			<i>For Extra Heavy Fittings, Add</i>	57.62	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	4.05	
			<i>For Work In Restricted Working Space, Add</i>	24.31	
22 13 16 00-0215	EA		6" Bell And Spigot Cast Iron P-Trap.....	332.44	63.61
			<i>For Extra Heavy Fittings, Add</i>	82.98	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	4.77	
			<i>For Work In Restricted Working Space, Add</i>	28.61	
22 13 16 00-0216	EA		8" Bell And Spigot Cast Iron P-Trap.....	755.96	82.11
			<i>For Extra Heavy Fittings, Add</i>	221.52	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	6.15	
			<i>For Work In Restricted Working Space, Add</i>	36.92	
22 13 16 00-0217	EA		10" Bell And Spigot Cast Iron P-Trap.....	835.22	101.01
			<i>For Extra Heavy Fittings, Add</i>	239.32	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	7.57	
			<i>For Work In Restricted Working Space, Add</i>	45.44	
<b>22 13 16 00-0218</b>			<b>Bell And Spigot Cast Iron Deep Seal P-Traps (22 13 16 00-0030)</b>		
22 13 16 00-0219	EA		2" Bell And Spigot Cast Iron Deep Seal P-Trap.....	95.71	29.17
			<i>For Extra Heavy Fittings, Add</i>	18.20	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	2.19	
			<i>For Work In Restricted Working Space, Add</i>	13.12	
22 13 16 00-0220	EA		3" Bell And Spigot Cast Iron Deep Seal P-Trap.....	137.88	36.69
			<i>For Extra Heavy Fittings, Add</i>	29.03	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	2.75	
			<i>For Work In Restricted Working Space, Add</i>	16.48	
22 13 16 00-0221	EA		4" Bell And Spigot Cast Iron Deep Seal P-Trap.....	202.22	48.79
			<i>For Extra Heavy Fittings, Add</i>	45.18	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	3.66	
			<i>For Work In Restricted Working Space, Add</i>	21.94	





<b>Plumbing</b>	<b>22</b>	<b>22</b>
<b>Plumbing Piping</b>	<b>22 10</b>	
<b>Facility Sanitary Sewerage</b>	<b>22 13</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0222 EA 5" Bell And Spigot Cast Iron Deep Seal P-Trap..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	337.88 86.56 4.53 27.17	60.44
22 13 16 00-0223 EA 6" Bell And Spigot Cast Iron Deep Seal P-Trap..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	357.61 89.79 5.05 30.32	67.38
<b>22 13 16 00-0224 Bell And Spigot Cast Iron Running Traps With Single Vent</b> <small>(22 13 16 00-0030)</small>		
22 13 16 00-0225 EA 3" x 3" Bell And Spigot Cast Iron Running Trap With Single Vent..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	219.53 5.35 32.10	70.44
22 13 16 00-0226 EA 4" x 4" Bell And Spigot Cast Iron Running Trap With Single Vent..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	293.35 7.01 42.05	92.60
22 13 16 00-0227 EA 5" x 4" Bell And Spigot Cast Iron Running Trap With Single Vent..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	402.56 7.93 47.60	104.97
22 13 16 00-0228 EA 6" x 4" Bell And Spigot Cast Iron Running Trap With Single Vent..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	836.44 9.00 53.98	118.94
22 13 16 00-0229 EA 8" x 4" Bell And Spigot Cast Iron Running Trap With Single Vent..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,819.27 10.64 63.86	140.39
22 13 16 00-0230 EA 8" x 6" Bell And Spigot Cast Iron Running Trap With Single Vent..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	3,051.33 11.84 71.04	156.64
<b>22 13 16 00-0231 Bell And Spigot Cast Running Traps With Double Vent</b> <small>(22 13 16 00-0030)</small>		
22 13 16 00-0232 EA 3" x 3" Bell And Spigot Cast Iron Running Trap With Double Vent..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	278.79 7.37 44.20	97.28
22 13 16 00-0233 EA 4" x 4" Bell And Spigot Cast Iron Running Trap With Double Vent..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	383.65 9.32 55.93	122.79
22 13 16 00-0234 EA 6" x 4" Bell And Spigot Cast Iron Running Trap With Double Vent..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	927.97 11.15 66.89	146.99
22 13 16 00-0235 EA 6" x 6" Bell And Spigot Cast Iron Running Trap With Double Vent..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,074.13 13.48 80.89	177.93
22 13 16 00-0236 EA 8" x 4" Bell And Spigot Cast Iron Running Trap With Double Vent..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	3,030.83 12.91 77.47	170.22
22 13 16 00-0237 EA 8" x 6" Bell And Spigot Cast Iron Running Trap With Double Vent..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	3,321.41 15.29 91.73	202.12
22 13 16 00-0238 EA 10" x 8" Bell And Spigot Cast Iron Running Trap With Double Vent..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	4,428.03 17.69 106.15	233.23
22 13 16 00-0239 EA 12" x 10" Bell And Spigot Cast Iron Running Trap With Double Vent..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	6,144.89 20.43 122.55	269.66
22 13 16 00-0240 EA 15" x 12" Bell And Spigot Cast Iron Running Trap With Double Vent..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	12,025.96 23.64 141.83	311.90
<b>22 13 16 00-0241 Bell And Spigot Cast Iron Scission Joint Fittings</b> <small>(22 13 16 00-0030)</small>		
22 13 16 00-0242 EA 2" Bell And Spigot Cast Iron Scission Joint Fitting..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	178.08 2.18 13.08	
22 13 16 00-0243 EA 3" Bell And Spigot Cast Iron Scission Joint Fitting..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	247.95 2.45 14.70	
22 13 16 00-0244 EA 4" Bell And Spigot Cast Iron Scission Joint Fitting..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	284.44 3.28 19.69	
22 13 16 00-0245 EA 5" Bell And Spigot Cast Iron Scission Joint Fitting..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	352.25 3.81 22.87	
22 13 16 00-0246 EA 6" Bell And Spigot Cast Iron Scission Joint Fitting..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	427.88 4.61 27.63	
22 13 16 00-0247 EA 8" Bell And Spigot Cast Iron Scission Joint Fitting..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	822.55 5.82 34.92	
<b>22 13 16 00-0248 Cut And Prepare Existing In-Place Cast Iron Pipe</b> <small>(22 13 16 00-0019)</small> Note: For use when connecting pipe to an existing in-place system.		

**22 Plumbing**  
**22 10 Plumbing Piping**  
**22 13 Facility Sanitary Sewerage**



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0249 EA 2", Cut And Prepare Existing In-Place Cast Iron Pipe..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	12.14 0.67 3.64	
22 13 16 00-0250 EA 3", Cut And Prepare Existing In-Place Cast Iron Pipe..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	13.25 0.66 3.98	
22 13 16 00-0251 EA 4", Cut And Prepare Existing In-Place Cast Iron Pipe..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	16.56 0.83 4.97	
22 13 16 00-0252 EA 6", Cut And Prepare Existing In-Place Cast Iron Pipe..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	19.87 0.99 5.96	
22 13 16 00-0253 EA 8", Cut And Prepare Existing In-Place Cast Iron Pipe..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	26.49 1.32 7.95	
22 13 16 00-0254 EA 10", Cut And Prepare Existing In-Place Cast Iron Pipe..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	30.90 1.55 9.27	
22 13 16 00-0255 EA 12", Cut And Prepare Existing In-Place Cast Iron Pipe..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	36.42 1.82 10.93	
22 13 16 00-0256 EA 15", Cut And Prepare Existing In-Place Cast Iron Pipe..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	41.94 2.10 12.58	
<b>22 13 16 00-0257 Joint Material</b> <small>(22 13 16 00-0019)</small> Note: Labor costs are included in the installation costs for fittings.		
22 13 16 00-0258 LB Lead (1 LB/Diameter Inch) Joint Material.....	7.19	
22 13 16 00-0259 LB Oakum (1/8 LB/Diameter Inch) Joint Material.....	20.30	
22 13 16 00-0260 EA 2" Dual Tite Rubber Gasket.....	3.17	
22 13 16 00-0261 EA 3" Dual Tite Rubber Gasket.....	4.34	
22 13 16 00-0262 EA 4" Dual Tite Rubber Gasket.....	5.40	
22 13 16 00-0263 EA 6" Dual Tite Rubber Gasket.....	8.95	
22 13 16 00-0264 EA 8" Dual Tite Rubber Gasket.....	19.74	
22 13 16 00-0265 EA 10" Dual Tite Rubber Gasket.....	30.27	
22 13 16 00-0266 EA 12" Dual Tite Rubber Gasket.....	38.57	
22 13 16 00-0267 EA 15" Dual Tite Rubber Gasket.....	45.81	
<b>22 13 16 00-0268 No Hub Cast Iron Soil Pipe And Fittings</b> <small>(22 13 16)</small> Note: Service Weight. Excludes hangers.		
<b>22 13 16 00-0269 No Hub Cast Iron Pipe</b> <small>(22 13 16 00-0268)</small> Note: Excludes couplings.		
22 13 16 00-0270 LF 1-1/2" No Hub Cast Iron Pipe..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	17.92 0.46 2.75	6.10
22 13 16 00-0271 LF 2" No Hub Cast Iron Pipe..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	19.02 0.49 2.95	6.51
22 13 16 00-0272 LF 3" No Hub Cast Iron Pipe..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	26.95 0.71 4.27	9.45
22 13 16 00-0273 LF 4" No Hub Cast Iron Pipe..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	34.96 0.92 5.54	12.30
22 13 16 00-0274 LF 5" No Hub Cast Iron Pipe..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	45.07 1.11 6.64	14.75
22 13 16 00-0275 LF 6" No Hub Cast Iron Pipe..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	52.49 1.21 7.23	16.10
22 13 16 00-0276 LF 8" No Hub Cast Iron Pipe..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	80.09 1.73 10.39	23.14
22 13 16 00-0277 LF 10" No Hub Cast Iron Pipe..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	114.77 1.97 11.81	26.29
<b>22 13 16 00-0278 No Hub Cast Iron Fittings</b> <small>(22 13 16 00-0268)</small>		
<b>22 13 16 00-0279 No Hub Cast Iron Long Sweeps</b> <small>(22 13 16 00-0278)</small>		
22 13 16 00-0280 EA 1-1/2" No Hub Cast Iron Long Sweep..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	66.10 2.07 12.44	27.65
22 13 16 00-0281 EA 2" No Hub Cast Iron Long Sweep..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	68.48 2.16 12.98	28.87
22 13 16 00-0282 EA 3" No Hub Cast Iron Long Sweep..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	81.20 2.48 14.87	33.03



	<b>Plumbing</b>	<b>22</b>
	<b>Plumbing Piping</b>	<b>22 10</b>
	<b>Facility Sanitary Sewerage</b>	<b>22 13</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0283 EA 4" No Hub Cast Iron Long Sweep ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	112.70 3.28 19.67	43.71
22 13 16 00-0284 EA 5" No Hub Cast Iron Long Sweep ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	159.71 3.65 21.88	48.67
22 13 16 00-0285 EA 6" No Hub Cast Iron Long Sweep ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	189.33 4.35 26.12	58.03
22 13 16 00-0286 EA 8" No Hub Cast Iron Long Sweep ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	392.13 5.63 33.75	75.02
<b>22 13 16 00-0287 No Hub Cast Iron Reducing Long Sweeps (22 13 16 00-0278)</b>		
22 13 16 00-0288 EA 3" x 2" No Hub Cast Iron Reducing Long Sweep ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	107.24 2.48 14.87	33.03
22 13 16 00-0289 EA 4" x 3" No Hub Cast Iron Reducing Long Sweep ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	162.34 3.28 19.67	43.71
<b>22 13 16 00-0290 No Hub Cast Iron Short Sweeps (22 13 16 00-0278)</b>		
22 13 16 00-0291 EA 2" No Hub Cast Iron Short Sweep ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	63.24 2.16 12.98	28.87
22 13 16 00-0292 EA 3" No Hub Cast Iron Short Sweep ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	77.05 2.48 14.87	33.03
22 13 16 00-0293 EA 4" No Hub Cast Iron Short Sweep ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	110.53 3.28 19.67	43.71
22 13 16 00-0294 EA 5" No Hub Cast Iron Short Sweep ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	160.52 3.65 21.88	48.67
22 13 16 00-0295 EA 6" No Hub Cast Iron Short Sweep ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	176.62 4.35 26.12	58.03
22 13 16 00-0296 EA 8" No Hub Cast Iron Short Sweep ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	353.71 5.63 33.75	75.02
22 13 16 00-0297 EA 10" No Hub Cast Iron Short Sweep ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	581.77 7.88 47.26	105.05
<b>22 13 16 00-0298 No Hub Cast Iron 1/4 Bends (22 13 16 00-0278)</b>		
22 13 16 00-0299 EA 1-1/2" No Hub Cast Iron 1/4 Bend ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	56.99 2.07 12.45	27.65
22 13 16 00-0300 EA 2" No Hub Cast Iron 1/4 Bend ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	59.64 2.16 12.98	28.87
22 13 16 00-0301 EA 3" No Hub Cast Iron 1/4 Bend ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	71.20 2.48 14.87	33.03
22 13 16 00-0302 EA 4" No Hub Cast Iron 1/4 Bend ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	97.61 3.28 19.67	43.71
22 13 16 00-0303 EA 5" No Hub Cast Iron 1/4 Bend ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	144.48 3.65 21.88	48.67
22 13 16 00-0304 EA 6" No Hub Cast Iron 1/4 Bend ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	166.35 4.35 26.12	58.03
22 13 16 00-0305 EA 8" No Hub Cast Iron 1/4 Bend ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	323.79 5.63 33.75	75.02
<b>22 13 16 00-0306 No Hub Cast Iron 1/8 Bends (22 13 16 00-0278)</b>		
22 13 16 00-0307 EA 1-1/2" No Hub Cast Iron 1/8 Bend ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	53.66 2.07 12.45	27.65
22 13 16 00-0308 EA 2" No Hub Cast Iron 1/8 Bend ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	55.69 2.16 12.98	28.87
22 13 16 00-0309 EA 3" No Hub Cast Iron 1/8 Bend ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	67.33 2.48 14.87	33.03
22 13 16 00-0310 EA 4" No Hub Cast Iron 1/8 Bend ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	88.90 3.28 19.67	43.71



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0311 EA 6" No Hub Cast Iron 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	150.04 4.84 29.04	64.55
22 13 16 00-0312 EA 8" No Hub Cast Iron 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	268.78 6.35 38.12	84.77
22 13 16 00-0313 EA 10" No Hub Cast Iron 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	423.69 7.82 46.91	104.29
<b>22 13 16 00-0314 No Hub Cast Iron Wyes</b> <small>(22 13 16 00-0278)</small>		
22 13 16 00-0315 EA 1-1/2" No Hub Cast Iron Wye..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	86.78 3.26 19.55	43.50
22 13 16 00-0316 EA 2" No Hub Cast Iron Wye..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	110.29 4.42 26.52	58.95
22 13 16 00-0317 EA 3" No Hub Cast Iron Wye..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	126.72 4.84 29.04	64.55
22 13 16 00-0318 EA 4" No Hub Cast Iron Wye..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	175.62 6.35 38.12	84.77
22 13 16 00-0319 EA 5" No Hub Cast Iron Wye..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	247.10 7.10 42.61	94.75
22 13 16 00-0320 EA 6" No Hub Cast Iron Wye..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	293.18 8.43 50.60	112.48
22 13 16 00-0321 EA 8" No Hub Cast Iron Wye..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	517.58 11.25 67.51	150.14
22 13 16 00-0322 EA 10" No Hub Cast Iron Wye..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	883.45 12.50 75.01	166.77
<b>22 13 16 00-0323 No Hub Cast Iron Reducing Wyes</b> <small>(22 13 16 00-0278)</small>		
22 13 16 00-0324 EA 3" x 1-1/2" No Hub Cast Iron Reducing Wye..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	107.96 4.22 25.31	56.31
22 13 16 00-0325 EA 3" x 2" No Hub Cast Iron Reducing Wye..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	120.40 4.84 29.04	64.55
22 13 16 00-0326 EA 4" x 2" No Hub Cast Iron Reducing Wye..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	137.19 5.35 32.10	71.36
22 13 16 00-0327 EA 4" x 3" No Hub Cast Iron Reducing Wye..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	159.34 5.94 35.66	79.29
22 13 16 00-0328 EA 6" x 2" No Hub Cast Iron Reducing Wye..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	210.67 7.18 43.07	95.71
22 13 16 00-0329 EA 6" x 3" No Hub Cast Iron Reducing Wye..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	225.61 7.50 44.98	100.05
22 13 16 00-0330 EA 6" x 4" No Hub Cast Iron Reducing Wye..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	258.14 8.76 52.58	116.92
22 13 16 00-0331 EA 8" x 4" No Hub Cast Iron Reducing Wye..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	344.47 8.85 53.10	118.04
22 13 16 00-0332 EA 8" x 6" No Hub Cast Iron Reducing Wye..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	401.33 9.72 58.34	129.76
22 13 16 00-0333 EA 10" x 4" No Hub Cast Iron Reducing Wye..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	645.32 10.36 62.18	138.23
22 13 16 00-0334 EA 10" x 6" No Hub Cast Iron Reducing Wye..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	680.18 11.09 66.56	147.97
22 13 16 00-0335 EA 10" x 8" No Hub Cast Iron Reducing Wye..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	787.27 11.84 71.06	158.02
<b>22 13 16 00-0336 No Hub Cast Iron Combination Wye And 1/8 Bends</b> <small>(22 13 16 00-0278)</small>		
22 13 16 00-0337 EA 1-1/2" No Hub Cast Iron Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	97.75 3.79 22.76	50.62
22 13 16 00-0338 EA 2" No Hub Cast Iron Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	111.17 4.42 26.52	58.95



<b>Plumbing</b>	<b>22</b>	<b>22</b>
<b>Plumbing Piping</b>	<b>22 10</b>	
<b>Facility Sanitary Sewerage</b>	<b>22 13</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0339 EA 3" No Hub Cast Iron Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	133.38 4.84 29.04	64.55
22 13 16 00-0340 EA 4" No Hub Cast Iron Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	194.46 6.35 38.12	84.77
22 13 16 00-0341 EA 6" No Hub Cast Iron Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	365.14 9.77 58.64	130.41
22 13 16 00-0342 EA 8" No Hub Cast Iron Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	676.54 12.54 75.26	167.31
22 13 16 00-0343 EA 10" No Hub Cast Iron Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	792.03 15.16 90.98	202.28
<b>22 13 16 00-0344 No Hub Cast Iron Reducing Combination Wye And 1/8 Bends (22 13 16 00-0278)</b>		
22 13 16 00-0345 EA 2" x 1-1/2" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	112.26 4.42 26.52	58.95
22 13 16 00-0346 EA 3" x 2" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	123.73 4.84 29.04	64.55
22 13 16 00-0347 EA 4" x 2" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	143.86 5.35 32.10	71.36
22 13 16 00-0348 EA 4" x 3" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	165.80 5.94 35.66	79.29
22 13 16 00-0349 EA 6" x 2" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	230.05 7.18 43.07	95.71
22 13 16 00-0350 EA 6" x 3" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	259.48 7.50 44.98	100.05
22 13 16 00-0351 EA 6" x 4" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	287.79 8.76 52.58	116.92
22 13 16 00-0352 EA 8" x 4" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	399.89 8.85 53.10	118.04
22 13 16 00-0353 EA 8" x 6" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	528.01 9.72 58.34	129.76
<b>22 13 16 00-0354 No Hub Cast Iron Double Wyes (22 13 16 00-0278)</b>		
22 13 16 00-0355 EA 2" No Hub Cast Iron Double Wye..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	140.42 5.49 32.97	73.29
22 13 16 00-0356 EA 3" No Hub Cast Iron Double Wye..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	190.05 6.69 40.13	89.25
22 13 16 00-0357 EA 4" No Hub Cast Iron Double Wye..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	262.12 7.31 43.88	97.58
22 13 16 00-0358 EA 6" No Hub Cast Iron Double Wye..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	412.15 10.63 63.75	141.79
22 13 16 00-0359 EA 8" No Hub Cast Iron Double Wye..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	827.08 14.32 85.92	190.99
<b>22 13 16 00-0360 No Hub Cast Iron Reducing Double Wyes (22 13 16 00-0278)</b>		
22 13 16 00-0361 EA 3" x 2" No Hub Cast Iron Double Wye..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	170.01 6.09 36.52	81.21
22 13 16 00-0362 EA 4" x 2" No Hub Cast Iron Double Wye..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	205.08 7.01 42.06	93.52
22 13 16 00-0363 EA 4" x 3" No Hub Cast Iron Double Wye..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	226.02 7.64 45.86	101.95
22 13 16 00-0364 EA 6" x 4" No Hub Cast Iron Double Wye..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	349.32 9.37 56.22	125.01
<b>22 13 16 00-0365 No Hub Cast Iron Double Combination Wye And 1/8 Bends (22 13 16 00-0278)</b>		
22 13 16 00-0366 EA 2" No Hub Cast Iron Double Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	185.53 6.60 39.60	88.03

**22 Plumbing**  
**22 10 Plumbing Piping**  
**22 13 Facility Sanitary Sewerage**



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0367 EA 3" No Hub Cast Iron Double Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	229.14 7.31 43.88	97.58
22 13 16 00-0368 EA 4" No Hub Cast Iron Double Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	351.92 9.68 58.09	129.19
22 13 16 00-0369 EA 6" No Hub Cast Iron Double Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	483.79 14.95 89.69	199.43
<b>22 13 16 00-0370 No Hub Cast Iron Reducing Double Combination Wye And 1/8 Bends (22 13 16 00-0278)</b>		
22 13 16 00-0371 EA 3" x 2" No Hub Cast Iron Reducing Double Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	175.65 5.68 34.07	75.73
22 13 16 00-0372 EA 4" x 2" No Hub Cast Iron Reducing Double Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	203.55 6.60 39.60	88.03
22 13 16 00-0373 EA 4" x 3" No Hub Cast Iron Reducing Double Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	248.16 7.21 43.26	96.16
<b>22 13 16 00-0374 No Hub Cast Iron Sanitary Tees (22 13 16 00-0278)</b>		
22 13 16 00-0375 EA 1-1/2" No Hub Cast Iron Sanitary Tee ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	84.47 3.20 19.18	42.59
22 13 16 00-0376 EA 2" No Hub Cast Iron Sanitary Tee..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	111.37 4.42 26.52	58.95
22 13 16 00-0377 EA 3" No Hub Cast Iron Sanitary Tee..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	124.27 4.84 29.04	64.55
22 13 16 00-0378 EA 4" No Hub Cast Iron Sanitary Tee..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	170.05 6.35 38.12	84.77
22 13 16 00-0379 EA 5" No Hub Cast Iron Sanitary Tee..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	248.26 7.10 42.61	94.75
22 13 16 00-0380 EA 6" No Hub Cast Iron Sanitary Tee..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	292.36 8.43 50.60	112.48
22 13 16 00-0381 EA 8" No Hub Cast Iron Sanitary Tee..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	586.32 11.25 67.51	150.14
<b>22 13 16 00-0382 No Hub Cast Iron Reducing Sanitary Tees (22 13 16 00-0278)</b>		
22 13 16 00-0383 EA 2" x 1-1/2" No Hub Cast Iron Reducing Sanitary Tee ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	95.07 3.60 21.63	48.08
22 13 16 00-0384 EA 3" x 1-1/2" No Hub Cast Iron Reducing Sanitary Tee ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	109.86 4.22 25.31	56.31
22 13 16 00-0385 EA 3" x 2" No Hub Cast Iron Reducing Sanitary Tee ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	113.89 4.42 26.52	58.95
22 13 16 00-0386 EA 3" x 4" No Hub Cast Iron Reducing Sanitary Tee ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	140.21 4.42 26.52	58.95
22 13 16 00-0387 EA 4" x 2" No Hub Cast Iron Reducing Sanitary Tee ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	152.30 5.98 35.88	79.79
22 13 16 00-0388 EA 4" x 3" No Hub Cast Iron Reducing Sanitary Tee ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	158.69 5.98 35.88	79.79
22 13 16 00-0389 EA 5" x 2" No Hub Cast Iron Reducing Sanitary Tee ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	210.90 6.75 40.48	90.02
22 13 16 00-0390 EA 5" x 3" No Hub Cast Iron Reducing Sanitary Tee ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	219.80 6.75 40.48	90.02
22 13 16 00-0391 EA 5" x 4" No Hub Cast Iron Reducing Sanitary Tee ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	220.89 6.75 40.48	90.02
22 13 16 00-0392 EA 6" x 4" No Hub Cast Iron Reducing Sanitary Tee ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	229.04 7.03 42.17	93.78
22 13 16 00-0393 EA 8" x 6" No Hub Cast Iron Reducing Sanitary Tee ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	458.99 9.49 56.93	126.61
<b>22 13 16 00-0394 No Hub Cast Iron Sanitary Tapped Tees (22 13 16 00-0278)</b>		



	<b>Plumbing</b>	<b>22</b>
	<b>Plumbing Piping</b>	<b>22 10</b>
	<b>Facility Sanitary Sewerage</b>	<b>22 13</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0395 EA 2" x 1-1/2 Or 1-1/4" No Hub Cast Iron Sanitary Tapped Tee ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	66.30 2.16 12.98	28.87
22 13 16 00-0396 EA 3" x 1-1/2 Or 1-1/4" No Hub Cast Iron Sanitary Tapped Tee ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	77.26 2.48 14.87	33.03
22 13 16 00-0397 EA 4" x 1-1/2 Or 1-1/4" No Hub Cast Iron Sanitary Tapped Tee ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	93.87 3.28 19.67	43.71
<b>22 13 16 00-0398 No Hub Cast Iron Cleanout Tees (22 13 16 00-0278)</b>		
22 13 16 00-0399 EA 2" No Hub Cast Iron Cleanout Tee ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	62.29 2.16 12.98	28.87
22 13 16 00-0400 EA 3" No Hub Cast Iron Cleanout Tee ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	80.18 2.48 14.87	33.03
22 13 16 00-0401 EA 4" No Hub Cast Iron Cleanout Tee ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	119.37 3.28 19.67	43.71
22 13 16 00-0402 EA 6" No Hub Cast Iron Cleanout Tee ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	201.72 4.84 29.04	64.55
<b>22 13 16 00-0403 No Hub Cast Iron Two-Way Cleanout Tees (22 13 16 00-0278)</b>		
22 13 16 00-0404 EA 4" No Hub Cast Iron Single Two-Way Cleanout Tee ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	280.66 6.35 38.12	84.77
22 13 16 00-0405 EA 4" No Hub Cast Iron Double Two-Way Cleanout Tee ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	335.75 9.66 57.94	128.79
<b>22 13 16 00-0406 No Hub Cast Iron Cleanout Plugs (22 13 16 00-0278)</b>		
22 13 16 00-0407 EA 2" No Hub Cast Iron Cleanout Plug ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	51.34 2.16 12.98	28.87
22 13 16 00-0408 EA 3" No Hub Cast Iron Cleanout Plug ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	62.30 2.48 14.87	33.03
22 13 16 00-0409 EA 4" No Hub Cast Iron Cleanout Plug ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	89.72 3.28 19.67	43.71
22 13 16 00-0410 EA 6" No Hub Cast Iron Cleanout Plug ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	141.88 4.84 29.04	64.55
22 13 16 00-0411 EA 8" No Hub Cast Iron Cleanout Plug ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	189.02 6.35 38.12	84.77
<b>22 13 16 00-0412 No Hub Cast Iron Sanitary Crosses (22 13 16 00-0278)</b>		
22 13 16 00-0413 EA 1-1/2" No Hub Cast Iron Sanitary Cross ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	113.16 4.27 25.63	56.93
22 13 16 00-0414 EA 2" No Hub Cast Iron Sanitary Cross ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	123.07 4.42 26.52	58.95
22 13 16 00-0415 EA 3" No Hub Cast Iron Sanitary Cross ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	151.40 4.84 29.04	64.55
22 13 16 00-0416 EA 4" No Hub Cast Iron Sanitary Cross ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	229.68 6.35 38.12	84.77
<b>22 13 16 00-0417 No Hub Cast Iron Reducing Sanitary Crosses (22 13 16 00-0278)</b>		
22 13 16 00-0418 EA 3" x 2" No Hub Cast Iron Sanitary Cross ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	162.65 5.68 34.07	75.73
22 13 16 00-0419 EA 4" x 2" No Hub Cast Iron Sanitary Cross ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	186.25 5.84 35.07	77.97
22 13 16 00-0420 EA 4" x 3" No Hub Cast Iron Sanitary Cross ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	205.71 6.10 36.60	81.43
<b>22 13 16 00-0421 No Hub Cast Iron Reducers (22 13 16 00-0278)</b>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0422 EA 3" x 2" No Hub Cast Iron Reducer .....	100.02	58.95
For Below Ground Installation, Add	4.42	
For Work In Restricted Working Space, Add	26.52	
22 13 16 00-0423 EA 4" x 2" No Hub Cast Iron Reducer .....	137.34	79.79
For Below Ground Installation, Add	5.98	
For Work In Restricted Working Space, Add	35.88	
22 13 16 00-0424 EA 4" x 3" No Hub Cast Iron Reducer .....	137.88	79.79
For Below Ground Installation, Add	5.98	
For Work In Restricted Working Space, Add	35.88	
22 13 16 00-0425 EA 5" x 2" No Hub Cast Iron Reducer .....	160.98	90.02
For Below Ground Installation, Add	6.75	
For Work In Restricted Working Space, Add	40.48	
22 13 16 00-0426 EA 5" x 3" No Hub Cast Iron Reducer .....	164.59	90.02
For Below Ground Installation, Add	6.75	
For Work In Restricted Working Space, Add	40.48	
22 13 16 00-0427 EA 5" x 4" No Hub Cast Iron Reducer .....	166.02	90.02
For Below Ground Installation, Add	6.75	
For Work In Restricted Working Space, Add	40.48	
22 13 16 00-0428 EA 6" x 3" No Hub Cast Iron Reducer .....	194.88	100.05
For Below Ground Installation, Add	7.50	
For Work In Restricted Working Space, Add	44.98	
22 13 16 00-0429 EA 6" x 4" No Hub Cast Iron Reducer .....	195.42	100.05
For Below Ground Installation, Add	7.50	
For Work In Restricted Working Space, Add	44.98	
22 13 16 00-0430 EA 6" x 5" No Hub Cast Iron Reducer .....	197.05	100.05
For Below Ground Installation, Add	7.50	
For Work In Restricted Working Space, Add	44.98	
22 13 16 00-0431 EA 8" x 2" No Hub Cast Iron Reducer .....	269.94	140.09
For Below Ground Installation, Add	10.50	
For Work In Restricted Working Space, Add	63.01	
22 13 16 00-0432 EA 8" x 3" No Hub Cast Iron Reducer .....	274.09	140.09
For Below Ground Installation, Add	10.50	
For Work In Restricted Working Space, Add	63.01	
22 13 16 00-0433 EA 8" x 4" No Hub Cast Iron Reducer .....	280.75	140.09
For Below Ground Installation, Add	10.50	
For Work In Restricted Working Space, Add	63.01	
22 13 16 00-0434 EA 8" x 5" No Hub Cast Iron Reducer .....	287.69	140.09
For Below Ground Installation, Add	10.50	
For Work In Restricted Working Space, Add	63.01	
22 13 16 00-0435 EA 8" x 6" No Hub Cast Iron Reducer .....	288.50	140.09
For Below Ground Installation, Add	10.50	
For Work In Restricted Working Space, Add	63.01	
22 13 16 00-0436 EA 10" x 4" No Hub Cast Iron Reducer .....	350.18	147.78
For Below Ground Installation, Add	11.08	
For Work In Restricted Working Space, Add	66.46	
22 13 16 00-0437 EA 10" x 6" No Hub Cast Iron Reducer .....	375.52	154.27
For Below Ground Installation, Add	11.57	
For Work In Restricted Working Space, Add	69.41	
22 13 16 00-0438 EA 10" x 8" No Hub Cast Iron Reducer .....	423.77	167.47
For Below Ground Installation, Add	12.55	
For Work In Restricted Working Space, Add	75.32	
<b>22 13 16 00-0439 No Hub Cast Iron Blind Plugs (22 13 16 00-0278)</b>		
22 13 16 00-0440 EA 1-1/2" No Hub Cast Iron Blind Plug.....	27.41	13.84
For Below Ground Installation, Add	1.04	
For Work In Restricted Working Space, Add	6.23	
22 13 16 00-0441 EA 2" No Hub Cast Iron Blind Plug.....	28.02	14.43
For Below Ground Installation, Add	1.08	
For Work In Restricted Working Space, Add	6.49	
22 13 16 00-0442 EA 3" No Hub Cast Iron Blind Plug.....	36.15	16.57
For Below Ground Installation, Add	1.24	
For Work In Restricted Working Space, Add	7.44	
22 13 16 00-0443 EA 4" No Hub Cast Iron Blind Plug.....	47.99	21.86
For Below Ground Installation, Add	1.64	
For Work In Restricted Working Space, Add	9.83	
22 13 16 00-0444 EA 5" No Hub Cast Iron Blind Plug.....	65.39	24.77
For Below Ground Installation, Add	1.86	
For Work In Restricted Working Space, Add	11.13	
22 13 16 00-0445 EA 6" No Hub Cast Iron Blind Plug.....	72.13	29.01
For Below Ground Installation, Add	2.18	
For Work In Restricted Working Space, Add	13.07	
22 13 16 00-0446 EA 8" No Hub Cast Iron Blind Plug.....	146.32	37.51
For Below Ground Installation, Add	2.81	
For Work In Restricted Working Space, Add	16.87	
22 13 16 00-0447 EA 10" No Hub Cast Iron Blind Plug.....	190.08	40.37
For Below Ground Installation, Add	3.03	
For Work In Restricted Working Space, Add	18.16	
<b>22 13 16 00-0448 No Hub Cast Iron P-Traps (22 13 16 00-0278)</b>		
22 13 16 00-0449 EA 2" No Hub Cast Iron P-Trap.....	66.85	28.87
For Below Ground Installation, Add	2.16	
For Work In Restricted Working Space, Add	12.98	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0450 EA 3" No Hub Cast Iron P-Trap <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	103.37 2.48 14.87	33.03
22 13 16 00-0451 EA 4" No Hub Cast Iron P-Trap <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	159.01 3.28 19.67	43.71
22 13 16 00-0452 EA 5" No Hub Cast Iron P-Trap <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	287.30 3.68 22.05	49.06
22 13 16 00-0453 EA 6" No Hub Cast Iron P-Trap <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	301.71 4.39 26.31	58.51
<b>22 13 16 00-0454 No Hub Cast Iron Deep Seal P-Traps (22 13 16 00-0278)</b>		
22 13 16 00-0455 EA 2" No Hub Cast Iron Deep Seal P-Trap <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	111.24 2.75 16.48	36.69
22 13 16 00-0456 EA 3" No Hub Cast Iron Deep Seal P-Trap <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	162.96 3.66 21.94	48.79
22 13 16 00-0457 EA 4" No Hub Cast Iron Deep Seal P-Trap <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	240.72 4.83 28.97	64.44
<b>22 13 16 00-0458 No Hub Cast Iron Closet Flanges (22 13 16 00-0278)</b>		
22 13 16 00-0459 EA 4" No Hub Cast Iron Closet Flange <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	102.98 3.28 19.67	43.71
22 13 16 00-0460 EA 4" x 2-1/2" No Hub Cast Iron Offset Closet Flange <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	110.74 3.28 19.67	43.71
<b>22 13 16 00-0461 No Hub Cast Iron Closet Bends (22 13 16 00-0278)</b>		
22 13 16 00-0462 EA 4" x 16" No Hub Cast Iron Closet Bend <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	211.98 3.28 19.67	43.71
<b>22 13 16 00-0463 No Hub Cast Iron Threaded Adapter (22 13 16 00-0278)</b>		
22 13 16 00-0464 EA 1-1/4" No Hub Cast Iron Threaded Adapter <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	75.20 2.75 16.48	36.69
22 13 16 00-0465 EA 1-1/2" No Hub Cast Iron Threaded Adapter <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	81.46 2.75 16.48	36.69
<b>22 13 16 00-0466 No Hub Couplings (22 13 16 00-0278)</b>		
Note: Includes stainless steel shield/clamps assembly with elastomeric gasket, ASTM C 564. (Fernco NH). Labor costs are included in the installation costs for fittings.		
22 13 16 00-0467 EA 1-1/2" No Hub Coupling <i>For Medium Duty (Fernco MD-2000), Add</i> <i>For Heavy Duty (Fernco HD-4000), Add</i>	7.28 0.95 1.97	
22 13 16 00-0468 EA 2" No Hub Coupling <i>For Medium Duty (Fernco MD-2000), Add</i> <i>For Heavy Duty (Fernco HD-4000), Add</i>	7.28 0.95 1.97	
22 13 16 00-0469 EA 3" No Hub Coupling <i>For Medium Duty (Fernco MD-2000), Add</i> <i>For Heavy Duty (Fernco HD-4000), Add</i>	8.64 1.12 2.33	
22 13 16 00-0470 EA 4" No Hub Coupling <i>For Medium Duty (Fernco MD-2000), Add</i> <i>For Heavy Duty (Fernco HD-4000), Add</i>	10.26 1.33 2.77	
22 13 16 00-0471 EA 5" No Hub Coupling <i>For Medium Duty (Fernco MD-2000), Add</i> <i>For Heavy Duty (Fernco HD-4000), Add</i>	23.72 3.08 6.40	
22 13 16 00-0472 EA 6" No Hub Coupling <i>For Medium Duty (Fernco MD-2000), Add</i> <i>For Heavy Duty (Fernco HD-4000), Add</i>	26.06 3.39 7.04	
22 13 16 00-0473 EA 8" No Hub Coupling <i>For Medium Duty (Fernco MD-2000), Add</i> <i>For Heavy Duty (Fernco HD-4000), Add</i>	49.10 6.38 13.26	
22 13 16 00-0474 EA 10" No Hub Coupling <i>For Medium Duty (Fernco MD-2000), Add</i> <i>For Heavy Duty (Fernco HD-4000), Add</i>	67.64 8.79 18.26	
22 13 16 00-0475 EA 2" x 1-1/2" No Hub Reducing Coupling	8.64	
22 13 16 00-0476 EA 3" x 2" No Hub Reducing Coupling	13.40	
22 13 16 00-0477 EA 4" x 2" No Hub Reducing Coupling	18.69	
22 13 16 00-0478 EA 4" x 3" No Hub Reducing Coupling	15.93	



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

22 13 16 00-0479	<b>Cast Iron Mechanical Joint Couplings With Neoprene Gasket And Bolts</b> <small>(22 13 16 00-0278)</small>		
	Note: For underground connections. Labor costs are included in the installation costs for fittings. See CSI section 22 13 16 00-0870 for additional FERNCO couplings.		
22 13 16 00-0480	EA 1-1/2" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts.....	44.79	
22 13 16 00-0481	EA 2" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts.....	46.24	
22 13 16 00-0482	EA 3" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts.....	48.55	
22 13 16 00-0483	EA 4" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts.....	56.64	
22 13 16 00-0484	EA 5" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts.....	106.93	
22 13 16 00-0485	EA 6" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts.....	146.81	
22 13 16 00-0486	EA 8" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts.....	257.21	
22 13 16 00-0487	EA 10" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts.....	393.04	
22 13 16 00-0488	<b>Cut And Prepare Existing Pipe In-Place</b> <small>(22 13 16 00-0268)</small>		
	Note: For use when connecting pipe to an existing in-place system.		
22 13 16 00-0489	EA Cut And Prepare 1-1/2" Cast Iron Pipe, No Hub.....	9.93	
	<i>For Work In Restricted Working Space, Add</i>	2.98	
22 13 16 00-0490	EA Cut And Prepare 2" Cast Iron Pipe, No Hub.....	12.14	
	<i>For Work In Restricted Working Space, Add</i>	3.64	
22 13 16 00-0491	EA Cut And Prepare 3" Cast Iron Pipe, No Hub.....	13.25	
	<i>For Work In Restricted Working Space, Add</i>	3.98	
22 13 16 00-0492	EA Cut And Prepare 4" Cast Iron Pipe, No Hub.....	16.56	
	<i>For Work In Restricted Working Space, Add</i>	4.97	
22 13 16 00-0493	EA Cut And Prepare 6" Cast Iron Pipe, No Hub.....	19.86	
	<i>For Work In Restricted Working Space, Add</i>	5.96	
22 13 16 00-0494	EA Cut And Prepare 8" Cast Iron Pipe, No Hub.....	26.49	
	<i>For Work In Restricted Working Space, Add</i>	7.95	
22 13 16 00-0495	EA Cut And Prepare 10" Cast Iron Pipe, No Hub.....	30.91	
	<i>For Work In Restricted Working Space, Add</i>	9.27	
22 13 16 00-0496	<b>Copper Drain-Waste-Vent (DWV) Pipe</b> <small>(22 13 16)</small>		
	See CSI section 22 11 16 00-0436 for copper and brass fittings.		
22 13 16 00-0497	LF 1-1/4" Hard Drawn DWV Copper Tube/Pipe.....	16.87	4.78
22 13 16 00-0498	LF 1-1/2" Hard Drawn DWV Copper Tube/Pipe.....	20.18	5.33
22 13 16 00-0499	LF 2" Hard Drawn DWV Copper Tube/Pipe.....	26.02	6.58
22 13 16 00-0500	LF 3" Hard Drawn DWV Copper Tube/Pipe.....	55.51	9.12
22 13 16 00-0501	LF 4" Hard Drawn DWV Copper Tube/Pipe.....	78.18	10.29
22 13 16 00-0502	LF 5" Hard Drawn DWV Copper Tube/Pipe.....	155.89	11.81
22 13 16 00-0503	LF 6" Hard Drawn DWV Copper Tube/Pipe.....	221.96	18.31
22 13 16 00-0504	<b>Polyvinyl Chloride (PVC) Drain-Waste-Vent (DWV) Pipe And Fittings</b> <small>(22 13 16)</small>		
	Note: Aboveground installation. See CSI section 33 31 11 00-0019 for underground installation.		
22 13 16 00-0505	<b>Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assemblies</b> <small>(22 13 16 00-0504)</small>		
22 13 16 00-0506	<b>Underground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assemblies</b> <small>(22 13 16 00-0505)</small>		
	Note: Includes all fittings. Fittings are assumed every 20'. Excludes excavation, backfill and compaction. Not for use where detail is available. Not for use where detail is available.		
22 13 16 00-0507	LF 1-1/2" Underground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly.....	12.91	
	Note: Includes all fittings and couplings. Fittings are assumed every 20'. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.		
	<i>For Work In Restricted Working Space, Add</i>	2.38	
22 13 16 00-0508	LF 2" Underground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly.....	15.55	
	Note: Includes all fittings and couplings. Fittings are assumed every 20'. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.		
	<i>For Work In Restricted Working Space, Add</i>	2.90	
22 13 16 00-0509	LF 3" Underground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly.....	26.13	
	Note: Includes all fittings and couplings. Fittings are assumed every 20'. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.		
	<i>For Work In Restricted Working Space, Add</i>	4.10	
22 13 16 00-0510	LF 4" Underground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly.....	34.21	
	Note: Includes all fittings and couplings. Fittings are assumed every 20'. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.		
	<i>For Work In Restricted Working Space, Add</i>	4.52	
22 13 16 00-0511	LF 6" Underground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly.....	62.52	
	Note: Includes all fittings and couplings. Fittings are assumed every 20'. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.		
	<i>For Work In Restricted Working Space, Add</i>	5.81	
22 13 16 00-0512	LF 8" Underground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly.....	90.06	
	Note: Includes all fittings and couplings. Fittings are assumed every 20'. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.		
	<i>For Work In Restricted Working Space, Add</i>	7.77	
22 13 16 00-0513	LF 10" Underground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly.....	131.43	
	Note: Includes all fittings and couplings. Fittings are assumed every 20'. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.		
	<i>For Work In Restricted Working Space, Add</i>	10.36	



<b>Plumbing</b>	<b>22</b>	<b>22</b>
<b>Plumbing Piping</b>	<b>22 10</b>	
<b>Facility Sanitary Sewerage</b>	<b>22 13</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>22 13 16 00-0514</b> <b>Aboveground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assemblies</b> <small>(22 13 16 00-0505)</small> Note: Includes all hangers and couplings, elbow, tee and reducer fittings. All hangers are complete assemblies installed in accordance with uniform plumbing code. Not for use where detail is available.		
22 13 16 00-0515    LF    1-1/2" Aboveground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly .....	25.57	4.27
Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
<i>For Work In Restricted Working Space, Add</i> .....	4.89	
22 13 16 00-0516    LF    2" Aboveground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly .....	28.81	5.08
Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
<i>For Work In Restricted Working Space, Add</i> .....	5.44	
22 13 16 00-0517    LF    3" Aboveground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly .....	41.71	7.32
Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
<i>For Work In Restricted Working Space, Add</i> .....	6.76	
22 13 16 00-0518    LF    4" Aboveground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly .....	53.24	7.93
Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
<i>For Work In Restricted Working Space, Add</i> .....	7.38	
22 13 16 00-0519    LF    6" Aboveground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly .....	84.60	10.17
Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
<i>For Work In Restricted Working Space, Add</i> .....	9.46	
22 13 16 00-0520    LF    8" Aboveground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly .....	113.12	13.52
Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
<i>For Work In Restricted Working Space, Add</i> .....	10.84	
22 13 16 00-0521    LF    10" Aboveground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly .....	159.92	18.09
Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
<i>For Work In Restricted Working Space, Add</i> .....	14.13	
<b>22 13 16 00-0522</b> <b>Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe</b> <small>(22 13 16 00-0504)</small> Note: Excludes fittings or hangers.		
<b>22 13 16 00-0523</b> <b>Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe (ASTM D-2665)</b> <small>(22 13 16 00-0522)</small> Note: Excludes fittings or hangers.		
22 13 16 00-0524    LF    1-1/2" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe .....	9.95	4.27
<i>For Work In Restricted Working Space, Add</i> .....	1.91	
22 13 16 00-0525    LF    2" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe .....	12.34	5.08
<i>For Work In Restricted Working Space, Add</i> .....	2.29	
22 13 16 00-0526    LF    3" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe .....	20.40	7.32
<i>For Work In Restricted Working Space, Add</i> .....	3.28	
22 13 16 00-0527    LF    4" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe .....	25.22	7.93
<i>For Work In Restricted Working Space, Add</i> .....	3.56	
22 13 16 00-0528    LF    6" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe .....	38.26	9.63
<i>For Work In Restricted Working Space, Add</i> .....	4.33	
22 13 16 00-0529    LF    8" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe .....	55.42	12.82
<i>For Work In Restricted Working Space, Add</i> .....	5.78	
22 13 16 00-0530    LF    10" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe .....	81.07	17.16
<i>For Work In Restricted Working Space, Add</i> .....	7.71	
<b>22 13 16 00-0531</b> <b>Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe (ASTM F-891)</b> <small>(22 13 16 00-0522)</small> Note: Excludes fittings or hangers.		
22 13 16 00-0532    LF    1-1/2" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe .....	8.88	4.27
<i>For Work In Restricted Working Space, Add</i> .....	1.91	
22 13 16 00-0533    LF    2" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe .....	11.07	5.08
<i>For Work In Restricted Working Space, Add</i> .....	2.29	
22 13 16 00-0534    LF    3" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe .....	17.98	7.32
<i>For Work In Restricted Working Space, Add</i> .....	3.28	
22 13 16 00-0535    LF    4" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe .....	22.02	7.93
<i>For Work In Restricted Working Space, Add</i> .....	3.56	
22 13 16 00-0536    LF    6" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe .....	32.29	9.63
<i>For Work In Restricted Working Space, Add</i> .....	4.33	
22 13 16 00-0537    LF    8" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe .....	47.03	12.82
<i>For Work In Restricted Working Space, Add</i> .....	5.78	
22 13 16 00-0538    LF    10" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe .....	71.94	17.16
<i>For Work In Restricted Working Space, Add</i> .....	7.71	
<b>22 13 16 00-0539</b> <b>Polyvinyl Chloride (PVC) DWV Fittings (ASTM D-2665)</b> <small>(22 13 16 00-0504)</small>		
<b>22 13 16 00-0540</b> <b>Polyvinyl Chloride (PVC) DWV 1/4 Bends</b> <small>(22 13 16 00-0539)</small>		
22 13 16 00-0541    EA    1-1/2" Polyvinyl Chloride (PVC) DWV 1/4 Bends .....	33.00	16.97
<i>For Work In Restricted Working Space, Add</i> .....	7.63	
22 13 16 00-0542    EA    2" Polyvinyl Chloride (PVC) DWV 1/4 Bends .....	42.15	21.65
<i>For Work In Restricted Working Space, Add</i> .....	9.76	
22 13 16 00-0543    EA    3" Polyvinyl Chloride (PVC) DWV 1/4 Bends .....	73.59	29.07
<i>For Work In Restricted Working Space, Add</i> .....	13.11	

**22 Plumbing**  
**22 10 Plumbing Piping**  
**22 13 Facility Sanitary Sewerage**



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0544	EA	4" Polyvinyl Chloride (PVC) DWV 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	114.21 15.25	33.85
22 13 16 00-0545	EA	6" Polyvinyl Chloride (PVC) DWV 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	451.83 19.82	44.02
22 13 16 00-0546	EA	8" Polyvinyl Chloride (PVC) DWV 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	749.72 26.68	59.27
22 13 16 00-0547	EA	10" Polyvinyl Chloride (PVC) DWV 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	989.76 35.57	78.98
<b>22 13 16 00-0548 Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends (22 13 16 00-0539)</b>				
22 13 16 00-0549	EA	1-1/2" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	54.27 7.63	16.97
22 13 16 00-0550	EA	2" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	54.39 9.76	21.65
22 13 16 00-0551	EA	3" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	105.06 13.11	29.07
22 13 16 00-0552	EA	4" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	171.93 15.25	33.85
22 13 16 00-0553	EA	6" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	340.35 19.82	44.02
22 13 16 00-0554	EA	8" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	603.21 26.68	59.27
22 13 16 00-0555	EA	10" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	987.13 35.57	78.98
<b>22 13 16 00-0556 Polyvinyl Chloride (PVC) DWV 1/8 Bends (22 13 16 00-0539)</b>				
22 13 16 00-0557	EA	1-1/2" Polyvinyl Chloride (PVC) DWV 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	34.75 7.63	16.97
22 13 16 00-0558	EA	2" Polyvinyl Chloride (PVC) DWV 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	42.00 9.76	21.65
22 13 16 00-0559	EA	3" Polyvinyl Chloride (PVC) DWV 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	70.96 13.11	29.07
22 13 16 00-0560	EA	4" Polyvinyl Chloride (PVC) DWV 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	101.39 15.25	33.85
22 13 16 00-0561	EA	6" Polyvinyl Chloride (PVC) DWV 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	419.18 19.82	44.02
22 13 16 00-0562	EA	8" Polyvinyl Chloride (PVC) DWV 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	673.84 26.68	59.27
22 13 16 00-0563	EA	10" Polyvinyl Chloride (PVC) DWV 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	766.57 35.57	78.98
<b>22 13 16 00-0564 Polyvinyl Chloride (PVC) DWV Sanitary Tees (22 13 16 00-0539)</b>				
22 13 16 00-0565	EA	1-1/2" Polyvinyl Chloride (PVC) DWV Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	51.67 11.44	25.42
22 13 16 00-0566	EA	2" Polyvinyl Chloride (PVC) DWV Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	68.17 14.64	32.53
22 13 16 00-0567	EA	3" Polyvinyl Chloride (PVC) DWV Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	117.15 19.67	43.71
22 13 16 00-0568	EA	4" Polyvinyl Chloride (PVC) DWV Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	174.61 22.87	50.82
22 13 16 00-0569	EA	6" Polyvinyl Chloride (PVC) DWV Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	671.29 29.73	65.97
22 13 16 00-0570	EA	8" Polyvinyl Chloride (PVC) DWV Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	873.10 40.02	88.84
<b>22 13 16 00-0571 Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees (22 13 16 00-0539)</b>				
22 13 16 00-0572	EA	2" x 1-1/2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	66.16 12.50	27.75
22 13 16 00-0573	EA	2" x 1-1/2" x 2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	79.05 13.57	30.09
22 13 16 00-0574	EA	2" x 2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	64.62 13.57	30.09
22 13 16 00-0575	EA	3" x 3" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	95.90 16.92	37.61
22 13 16 00-0576	EA	3" x 3" x 2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	97.57 17.99	39.95
22 13 16 00-0577	EA	4" x 4" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	116.58 19.06	42.28
22 13 16 00-0578	EA	4" x 4" x 2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	200.44 20.13	44.72
22 13 16 00-0579	EA	4" x 4" x 3" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	253.97 21.80	48.38
22 13 16 00-0580	EA	6" x 6" x 4" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	644.83 27.44	60.89
22 13 16 00-0581	EA	8" x 8" x 4" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	2,040.52 34.31	76.13
22 13 16 00-0582	EA	8" x 8" x 6" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	2,110.25 36.59	81.21



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>22 13 16 00-0583</b>				<b>Polyvinyl Chloride (PVC) DWV Double Sanitary Tees</b> <small>(22 13 16 00-0539)</small>		
			EA	1-1/2" Polyvinyl Chloride (PVC) DWV Double Sanitary Tees ..... <i>For Work In Restricted Working Space, Add</i>	91.63 15.25	33.85
			EA	2" Polyvinyl Chloride (PVC) DWV Double Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	124.81 19.52	43.30
			EA	3" Polyvinyl Chloride (PVC) DWV Double Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	255.01 26.23	58.25
			EA	4" Polyvinyl Chloride (PVC) DWV Double Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	371.11 30.50	67.70
<b>22 13 16 00-0588</b>				<b>Polyvinyl Chloride (PVC) DWV Reducing Double Sanitary Tees</b> <small>(22 13 16 00-0539)</small>		
			EA	2" x 2" x 1-1/2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Double Sanitary Tee ..... <i>For Work In Restricted Working Space, Add</i>	111.94 17.38	38.63
			EA	3" x 3" x 1-1/2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Double Sanitary Tee ..... <i>For Work In Restricted Working Space, Add</i>	195.98 20.74	46.04
			EA	3" x 3" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Sanitary Tee ..... <i>For Work In Restricted Working Space, Add</i>	226.55 22.87	50.82
			EA	4" x 4" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Sanitary Tee ..... <i>For Work In Restricted Working Space, Add</i>	414.37 25.01	55.50
			EA	4" x 4" x 3" x 3" Polyvinyl Chloride (PVC) DWV Double Sanitary Tee ..... <i>For Work In Restricted Working Space, Add</i>	434.65 28.36	62.92
<b>22 13 16 00-0594</b>				<b>Polyvinyl Chloride (PVC) DWV Reducers</b> <small>(22 13 16 00-0539)</small>		
			EA	2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducers ..... <i>For Work In Restricted Working Space, Add</i>	44.13 8.69	19.31
			EA	3" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducers ..... <i>For Work In Restricted Working Space, Add</i>	82.95 10.37	22.98
			EA	3" x 2" Polyvinyl Chloride (PVC) DWV Reducers..... <i>For Work In Restricted Working Space, Add</i>	78.63 11.44	25.42
			EA	4" x 2" Polyvinyl Chloride (PVC) DWV Reducers..... <i>For Work In Restricted Working Space, Add</i>	121.83 12.50	27.75
			EA	4" x 3" Polyvinyl Chloride (PVC) DWV Reducers..... <i>For Work In Restricted Working Space, Add</i>	131.06 14.18	31.51
			EA	6" x 3" Polyvinyl Chloride (PVC) DWV Reducers..... <i>For Work In Restricted Working Space, Add</i>	478.25 16.47	36.59
			EA	6" x 4" Polyvinyl Chloride (PVC) DWV Reducers..... <i>For Work In Restricted Working Space, Add</i>	398.45 17.54	38.93
			EA	8" x 4" Polyvinyl Chloride (PVC) DWV Reducers..... <i>For Work In Restricted Working Space, Add</i>	1,002.83 20.97	46.56
			EA	8" x 6" Polyvinyl Chloride (PVC) DWV Reducers..... <i>For Work In Restricted Working Space, Add</i>	845.10 23.25	51.64
			EA	10" x 6" Polyvinyl Chloride (PVC) DWV Reducers..... <i>For Work In Restricted Working Space, Add</i>	1,137.09 27.70	61.50
			EA	10" x 8" Polyvinyl Chloride (PVC) DWV Reducers..... <i>For Work In Restricted Working Space, Add</i>	887.55 31.13	69.12
<b>22 13 16 00-0606</b>				<b>Polyvinyl Chloride (PVC) DWV P-Traps</b> <small>(22 13 16 00-0539)</small>		
			EA	1-1/2" Polyvinyl Chloride (PVC) DWV P-Traps ..... <i>For Work In Restricted Working Space, Add</i>	64.64 11.44	25.42
			EA	2" Polyvinyl Chloride (PVC) DWV P-Traps ..... <i>For Work In Restricted Working Space, Add</i>	84.93 14.64	32.53
			EA	3" Polyvinyl Chloride (PVC) DWV P-Traps ..... <i>For Work In Restricted Working Space, Add</i>	245.54 19.67	43.71
			EA	4" Polyvinyl Chloride (PVC) DWV P-Traps ..... <i>For Work In Restricted Working Space, Add</i>	504.84 22.87	50.82
			EA	6" Polyvinyl Chloride (PVC) DWV P-Traps ..... <i>For Work In Restricted Working Space, Add</i>	856.93 29.73	65.97
<b>22 13 16 00-0612</b>				<b>Polyvinyl Chloride (PVC) DWV Closet Flanges</b> <small>(22 13 16 00-0539)</small>		
			EA	4" Polyvinyl Chloride (PVC) DWV Closet Flanges ..... <i>For Work In Restricted Working Space, Add</i>	101.68 15.25	33.85
			EA	4" x 3" Polyvinyl Chloride (PVC) DWV Closet Flanges ..... <i>For Work In Restricted Working Space, Add</i>	82.82 14.18	31.51
<b>22 13 16 00-0615</b>				<b>Polyvinyl Chloride (PVC) DWV Wyes</b> <small>(22 13 16 00-0539)</small>		
			EA	1-1/2" Polyvinyl Chloride (PVC) DWV Wyes..... <i>For Work In Restricted Working Space, Add</i>	65.23 11.44	25.42
			EA	2" Polyvinyl Chloride (PVC) DWV Wyes ..... <i>For Work In Restricted Working Space, Add</i>	76.04 14.64	32.53
			EA	3" Polyvinyl Chloride (PVC) DWV Wyes..... <i>For Work In Restricted Working Space, Add</i>	127.21 19.67	43.71
			EA	4" Polyvinyl Chloride (PVC) DWV Wyes ..... <i>For Work In Restricted Working Space, Add</i>	191.08 22.87	50.82
			EA	6" Polyvinyl Chloride (PVC) DWV Wyes ..... <i>For Work In Restricted Working Space, Add</i>	609.50 29.73	65.97



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0621 EA 8" Polyvinyl Chloride (PVC) DWV Wyes <i>For Work In Restricted Working Space, Add</i>	755.72 40.02	88.84
22 13 16 00-0622 EA 10" Polyvinyl Chloride (PVC) DWV Wyes <i>For Work In Restricted Working Space, Add</i>	994.48 53.36	118.42
<b>22 13 16 00-0623 Polyvinyl Chloride (PVC) DWV Reducing Wyes (22 13 16 00-0539)</b>		
22 13 16 00-0624 EA 2" x 1-1/2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	90.06 12.50	27.75
22 13 16 00-0625 EA 2" x 2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	93.19 13.57	30.09
22 13 16 00-0626 EA 3" x 3" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	131.73 16.92	37.61
22 13 16 00-0627 EA 3" x 3" x 2" Polyvinyl Chloride (PVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	107.63 17.99	39.95
22 13 16 00-0628 EA 4" x 4" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	183.12 19.06	42.28
22 13 16 00-0629 EA 4" x 4" x 2" Polyvinyl Chloride (PVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	159.34 20.13	44.72
22 13 16 00-0630 EA 4" x 4" x 3" Polyvinyl Chloride (PVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	180.38 21.80	48.38
22 13 16 00-0631 EA 6" x 6" x 3" Polyvinyl Chloride (PVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	550.93 26.38	58.55
22 13 16 00-0632 EA 6" x 6" x 4" Polyvinyl Chloride (PVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	683.65 27.44	60.89
22 13 16 00-0633 EA 8" x 8" x 4" Polyvinyl Chloride (PVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	647.73 34.31	76.13
22 13 16 00-0634 EA 8" x 8" x 6" Polyvinyl Chloride (PVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	819.87 36.59	81.21
22 13 16 00-0635 EA 10" x 10" x 4" Polyvinyl Chloride (PVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	744.92 43.20	95.86
22 13 16 00-0636 EA 10" x 10" x 6" Polyvinyl Chloride (PVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	931.27 45.49	100.94
22 13 16 00-0637 EA 10" x 10" x 8" Polyvinyl Chloride (PVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	1,085.42 48.92	108.56
<b>22 13 16 00-0638 Polyvinyl Chloride (PVC) DWV Double Wyes (22 13 16 00-0539)</b>		
22 13 16 00-0639 EA 1-1/2" Polyvinyl Chloride (PVC) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	108.53 15.25	33.85
22 13 16 00-0640 EA 2" Polyvinyl Chloride (PVC) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	139.24 19.52	43.30
22 13 16 00-0641 EA 3" Polyvinyl Chloride (PVC) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	279.06 26.23	58.25
22 13 16 00-0642 EA 4" Polyvinyl Chloride (PVC) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	490.18 30.50	67.70
22 13 16 00-0643 EA 6" Polyvinyl Chloride (PVC) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	1,012.05 39.64	88.03
22 13 16 00-0644 EA 8" Polyvinyl Chloride (PVC) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	1,170.95 53.37	118.52
22 13 16 00-0645 EA 10" Polyvinyl Chloride (PVC) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	1,819.59 71.15	157.96
<b>22 13 16 00-0646 Polyvinyl Chloride (PVC) DWV Reducing Double Wyes (22 13 16 00-0539)</b>		
22 13 16 00-0647 EA 2" x 2" x 1-1/2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	125.70 17.38	38.63
22 13 16 00-0648 EA 3" x 3" x 1-1/2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	237.27 20.74	46.04
22 13 16 00-0649 EA 3" x 3" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	218.91 22.87	50.82
22 13 16 00-0650 EA 4" x 4" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	316.25 25.01	55.50
22 13 16 00-0651 EA 4" x 4" x 3" x 3" Polyvinyl Chloride (PVC) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	402.19 28.36	62.92
22 13 16 00-0652 EA 6" x 6" x 4" x 4" Polyvinyl Chloride (PVC) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	622.19 35.07	77.87
22 13 16 00-0653 EA 8" x 8" x 4" x 4" Polyvinyl Chloride (PVC) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	728.13 41.93	93.11
22 13 16 00-0654 EA 8" x 8" x 6" x 6" Polyvinyl Chloride (PVC) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	928.55 46.50	103.27
22 13 16 00-0655 EA 10" x 10" x 4" x 4" Polyvinyl Chloride (PVC) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	980.61 50.82	112.83
22 13 16 00-0656 EA 10" x 10" x 6" x 6" Polyvinyl Chloride (PVC) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	1,276.00 55.40	122.99
22 13 16 00-0657 EA 10" x 10" x 8" x 8" Polyvinyl Chloride (PVC) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	1,544.32 62.26	138.24
<b>22 13 16 00-0658 Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends (22 13 16 00-0539)</b>		
22 13 16 00-0659 EA 1-1/2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	82.13 11.44	25.42



	<b>Plumbing</b>	<b>22</b>
	<b>Plumbing Piping</b>	<b>22 10</b>
	<b>Facility Sanitary Sewerage</b>	<b>22 13</b>

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0660 EA 2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends ..... <i>For Work In Restricted Working Space, Add</i>	102.42 14.64	32.53
22 13 16 00-0661 EA 3" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends ..... <i>For Work In Restricted Working Space, Add</i>	206.48 19.67	43.71
22 13 16 00-0662 EA 4" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends ..... <i>For Work In Restricted Working Space, Add</i>	368.87 22.87	50.82
<b>22 13 16 00-0663 Polyvinyl Chloride (PVC) DWV Reducing Combination Wye And 1/8 Bends</b> <small>(22 13 16 00-0539)</small>		
22 13 16 00-0664 EA 2" x 2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends ..... <i>For Work In Restricted Working Space, Add</i>	156.29 13.57	30.09
22 13 16 00-0665 EA 3" x 3" x 1-1/2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends ..... <i>For Work In Restricted Working Space, Add</i>	249.34 16.92	37.61
22 13 16 00-0666 EA 3" x 3" x 2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends ..... <i>For Work In Restricted Working Space, Add</i>	180.55 17.99	39.95
22 13 16 00-0667 EA 4" x 4" x 2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends ..... <i>For Work In Restricted Working Space, Add</i>	335.34 20.13	44.72
22 13 16 00-0668 EA 4" x 4" x 3" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends ..... <i>For Work In Restricted Working Space, Add</i>	363.23 21.80	48.38
<b>22 13 16 00-0669 Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends</b> <small>(22 13 16 00-0539)</small>		
22 13 16 00-0670 EA 1-1/2" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends ..... <i>For Work In Restricted Working Space, Add</i>	121.65 15.25	33.85
22 13 16 00-0671 EA 2" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends ..... <i>For Work In Restricted Working Space, Add</i>	140.70 19.52	43.30
22 13 16 00-0672 EA 3" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends ..... <i>For Work In Restricted Working Space, Add</i>	218.87 26.23	58.25
22 13 16 00-0673 EA 4" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends ..... <i>For Work In Restricted Working Space, Add</i>	794.18 30.50	67.70
22 13 16 00-0674 EA 6" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends ..... <i>For Work In Restricted Working Space, Add</i>	2,646.38 39.64	88.03
<b>22 13 16 00-0675 Polyvinyl Chloride (PVC) DWV Reducing Double Combination Wye And 1/8 Bends</b> <small>(22 13 16 00-0539)</small>		
22 13 16 00-0676 EA 2" x 2" x 1-1/2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends ..... <i>For Work In Restricted Working Space, Add</i>	289.68 17.38	38.63
22 13 16 00-0677 EA 3" x 3" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends ..... <i>For Work In Restricted Working Space, Add</i>	468.87 22.87	50.82
22 13 16 00-0678 EA 4" x 4" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends ..... <i>For Work In Restricted Working Space, Add</i>	815.10 25.01	55.50
22 13 16 00-0679 EA 4" x 4" x 3" x 3" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends ..... <i>For Work In Restricted Working Space, Add</i>	734.94 28.36	62.92
22 13 16 00-0680 EA 6" x 6" x 4" x 4" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends ..... <i>For Work In Restricted Working Space, Add</i>	1,759.45 35.07	77.87
<b>22 13 16 00-0681 Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug</b> <small>(22 13 16 00-0539)</small>		
22 13 16 00-0682 EA 2" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug ..... <i>For Work In Restricted Working Space, Add</i>	177.80 14.64	32.53
22 13 16 00-0683 EA 3" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug ..... <i>For Work In Restricted Working Space, Add</i>	312.01 19.67	43.71
22 13 16 00-0684 EA 4" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug ..... <i>For Work In Restricted Working Space, Add</i>	504.92 22.87	50.82
22 13 16 00-0685 EA 6" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug ..... <i>For Work In Restricted Working Space, Add</i>	1,344.73 29.73	65.97
22 13 16 00-0686 EA 8" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug ..... <i>For Work In Restricted Working Space, Add</i>	1,684.29 40.02	88.84
22 13 16 00-0687 EA 10" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug ..... <i>For Work In Restricted Working Space, Add</i>	2,234.98 53.36	118.42
<b>22 13 16 00-0688 Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug</b> <small>(22 13 16 00-0539)</small>		
22 13 16 00-0689 EA 1-1/2" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug ..... <i>For Work In Restricted Working Space, Add</i>	47.72 7.63	16.97
22 13 16 00-0690 EA 2" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug ..... <i>For Work In Restricted Working Space, Add</i>	68.53 9.76	21.65
22 13 16 00-0691 EA 3" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug ..... <i>For Work In Restricted Working Space, Add</i>	99.09 13.11	29.07
22 13 16 00-0692 EA 4" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug ..... <i>For Work In Restricted Working Space, Add</i>	180.96 15.25	33.85
22 13 16 00-0693 EA 6" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug ..... <i>For Work In Restricted Working Space, Add</i>	423.27 19.82	44.02
22 13 16 00-0694 EA 8" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug ..... <i>For Work In Restricted Working Space, Add</i>	959.93 26.68	59.27
22 13 16 00-0695 EA 10" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug ..... <i>For Work In Restricted Working Space, Add</i>	1,775.44 35.56	78.98
<b>22 13 16 00-0696 Polyvinyl Chloride (PVC) Couplings</b> <small>(22 13 16 00-0539)</small>		



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0697	EA	1-1/2" Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i>	32.03 7.63	16.97
22 13 16 00-0698	EA	2" Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i>	39.96 9.76	21.65
22 13 16 00-0699	EA	3" Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i>	62.71 13.11	29.07
22 13 16 00-0700	EA	4" Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i>	82.04 15.25	33.85
22 13 16 00-0701	EA	6" Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i>	238.35 19.82	44.02
22 13 16 00-0702	EA	8" Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i>	586.63 26.68	59.27
22 13 16 00-0703	EA	10" Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i>	889.82 35.58	78.98
<b>22 13 16 00-0704</b>		<b>Polyvinyl Chloride (PVC) Male Adapters</b> (22 13 16 00-0539)		
22 13 16 00-0705	EA	1-1/2" Polyvinyl Chloride (PVC) Male Adapters <i>For Work In Restricted Working Space, Add</i>	19.40 3.81	8.43
22 13 16 00-0706	EA	2" Polyvinyl Chloride (PVC) Male Adapters <i>For Work In Restricted Working Space, Add</i>	32.71 4.88	10.87
22 13 16 00-0707	EA	3" Polyvinyl Chloride (PVC) Male Adapters <i>For Work In Restricted Working Space, Add</i>	67.48 6.56	14.53
22 13 16 00-0708	EA	4" Polyvinyl Chloride (PVC) Male Adapters <i>For Work In Restricted Working Space, Add</i>	129.98 7.63	16.97
<b>22 13 16 00-0709</b>		<b>Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe</b> (22 13 16 00-0504) Note: In place piping.		
22 13 16 00-0710	EA	1-1/2", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe	7.45	
22 13 16 00-0711	EA	2", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe	8.20	
22 13 16 00-0712	EA	3", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe	10.43	
22 13 16 00-0713	EA	4", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe	14.07	
22 13 16 00-0714	EA	6", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe	20.11	
22 13 16 00-0715	EA	8", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe	26.82	
22 13 16 00-0716	EA	10", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe	32.79	
<b>22 13 16 00-0717</b>		<b>Acrylonitrile Butadiene Styrene (ABS) Drain-Waste-Vent (DWV) Pipe And Fittings</b> (22 13 16) Note: Aboveground installation.		
<b>22 13 16 00-0718</b>		<b>Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assemblies</b> (22 13 16 00-0717) Note: Includes all hangers and couplings, elbow, tee and reducer fittings. All hangers are complete assemblies installed in accordance with uniform plumbing code. Not for use where detail is available.		
22 13 16 00-0719	LF	1-1/2" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	27.05 5.85	4.27
22 13 16 00-0720	LF	2" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	30.09 6.48	5.08
22 13 16 00-0721	LF	3" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	42.22 8.04	7.32
22 13 16 00-0722	LF	4" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	49.11 8.93	7.93
22 13 16 00-0723	LF	6" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	86.19 11.88	10.17
<b>22 13 16 00-0724</b>		<b>Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe (ASTM F-628)</b> (22 13 16 00-0717) Note: Excludes fittings or hangers.		
22 13 16 00-0725	LF	1-1/2" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe <i>For Work In Restricted Working Space, Add</i>	9.54 1.91	4.27
22 13 16 00-0726	LF	2" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe <i>For Work In Restricted Working Space, Add</i>	11.91 2.29	5.08
22 13 16 00-0727	LF	3" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe <i>For Work In Restricted Working Space, Add</i>	19.79 3.28	7.32
22 13 16 00-0728	LF	4" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe <i>For Work In Restricted Working Space, Add</i>	24.52 3.56	7.93
22 13 16 00-0729	LF	6" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe <i>For Work In Restricted Working Space, Add</i>	40.25 4.33	9.63





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0730 Acrylonitrile Butadiene Styrene (ABS) DWV Fittings (ASTM D-2661) <small>(22 13 16 00-0717)</small>		
22 13 16 00-0731 Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends <small>(22 13 16 00-0730)</small>		
22 13 16 00-0732 EA 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends ..... <i>For Work In Restricted Working Space, Add</i>	38.99 7.63	16.97
22 13 16 00-0733 EA 2" Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends..... <i>For Work In Restricted Working Space, Add</i>	51.88 9.76	21.65
22 13 16 00-0734 EA 3" Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends..... <i>For Work In Restricted Working Space, Add</i>	103.41 13.11	29.07
22 13 16 00-0735 EA 4" Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends..... <i>For Work In Restricted Working Space, Add</i>	167.80 15.25	33.85
22 13 16 00-0736 EA 6" Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends..... <i>For Work In Restricted Working Space, Add</i>	502.69 19.82	44.02
22 13 16 00-0737 Acrylonitrile Butadiene Styrene (ABS) DWV Long Sweep 1/4 Bends <small>(22 13 16 00-0730)</small>		
22 13 16 00-0738 EA 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Long Sweep 1/4 Bends..... <i>For Work In Restricted Working Space, Add</i>	57.74 7.63	16.97
22 13 16 00-0739 EA 2" Acrylonitrile Butadiene Styrene (ABS) DWV Long Sweep 1/4 Bends..... <i>For Work In Restricted Working Space, Add</i>	70.21 9.76	21.65
22 13 16 00-0740 EA 3" Acrylonitrile Butadiene Styrene (ABS) DWV Long Sweep 1/4 Bends..... <i>For Work In Restricted Working Space, Add</i>	148.93 13.11	29.07
22 13 16 00-0741 EA 4" Acrylonitrile Butadiene Styrene (ABS) DWV Long Sweep 1/4 Bends..... <i>For Work In Restricted Working Space, Add</i>	258.36 15.25	33.85
22 13 16 00-0742 Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends <small>(22 13 16 00-0730)</small>		
22 13 16 00-0743 EA 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends ..... <i>For Work In Restricted Working Space, Add</i>	41.52 7.63	16.97
22 13 16 00-0744 EA 2" Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	50.10 9.76	21.65
22 13 16 00-0745 EA 3" Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	94.08 13.11	29.07
22 13 16 00-0746 EA 4" Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	150.57 15.25	33.85
22 13 16 00-0747 EA 6" Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	520.86 19.82	44.02
22 13 16 00-0748 Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees <small>(22 13 16 00-0730)</small>		
22 13 16 00-0749 EA 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees ..... <i>For Work In Restricted Working Space, Add</i>	61.22 11.44	25.42
22 13 16 00-0750 EA 2" Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	83.51 14.64	32.53
22 13 16 00-0751 EA 3" Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	154.03 19.67	43.71
22 13 16 00-0752 EA 4" Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	246.22 22.87	50.82
22 13 16 00-0753 EA 6" Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	1,020.48 29.73	65.97
22 13 16 00-0754 Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees <small>(22 13 16 00-0730)</small>		
22 13 16 00-0755 EA 2" x 1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees ..... <i>For Work In Restricted Working Space, Add</i>	78.51 12.50	27.75
22 13 16 00-0756 EA 2" x 1-1/2" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees ..... <i>For Work In Restricted Working Space, Add</i>	96.96 13.57	30.09
22 13 16 00-0757 EA 2" x 2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees ..... <i>For Work In Restricted Working Space, Add</i>	78.52 13.57	30.09
22 13 16 00-0758 EA 3" x 3" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees ..... <i>For Work In Restricted Working Space, Add</i>	123.98 16.92	37.61
22 13 16 00-0759 EA 3" x 3" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees ..... <i>For Work In Restricted Working Space, Add</i>	128.16 17.99	39.95
22 13 16 00-0760 EA 4" x 4" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees ..... <i>For Work In Restricted Working Space, Add</i>	308.52 19.06	42.28
22 13 16 00-0761 EA 4" x 4" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees ..... <i>For Work In Restricted Working Space, Add</i>	295.78 20.13	44.72
22 13 16 00-0762 EA 4" x 4" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees ..... <i>For Work In Restricted Working Space, Add</i>	340.86 21.80	48.38
22 13 16 00-0763 EA 6" x 6" x 4" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees ..... <i>For Work In Restricted Working Space, Add</i>	1,121.63 27.44	60.89
22 13 16 00-0764 Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees <small>(22 13 16 00-0730)</small>		
22 13 16 00-0765 EA 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees ..... <i>For Work In Restricted Working Space, Add</i>	120.99 15.25	33.85
22 13 16 00-0766 EA 2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees ..... <i>For Work In Restricted Working Space, Add</i>	167.43 19.52	43.30
22 13 16 00-0767 EA 3" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees ..... <i>For Work In Restricted Working Space, Add</i>	375.00 26.23	58.25



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0768 EA 4" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees ..... <i>For Work In Restricted Working Space, Add</i>	562.56 30.50	67.70
<b>22 13 16 00-0769 Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Double Sanitary Tees</b> <small>(22 13 16 00-0730)</small>		
22 13 16 00-0770 EA 2" x 2" x 1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees ..... <i>For Work In Restricted Working Space, Add</i>	137.52 17.38	38.63
22 13 16 00-0771 EA 3" x 3" x 1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees ..... <i>For Work In Restricted Working Space, Add</i>	215.69 20.74	46.04
22 13 16 00-0772 EA 3" x 3" x 2" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees ..... <i>For Work In Restricted Working Space, Add</i>	249.66 22.87	50.82
22 13 16 00-0773 EA 4" x 4" x 2" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes ..... <i>For Work In Restricted Working Space, Add</i>	460.99 23.71	52.63
22 13 16 00-0774 EA 4" x 4" x 3" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees ..... <i>For Work In Restricted Working Space, Add</i>	482.13 26.89	59.66
<b>22 13 16 00-0775 Acrylonitrile Butadiene Styrene (ABS) DWV Wyes</b> <small>(22 13 16 00-0730)</small>		
22 13 16 00-0776 EA 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Wyes..... <i>For Work In Restricted Working Space, Add</i>	84.63 11.44	25.42
22 13 16 00-0777 EA 2" Acrylonitrile Butadiene Styrene (ABS) DWV Wyes..... <i>For Work In Restricted Working Space, Add</i>	96.54 14.64	32.53
22 13 16 00-0778 EA 3" Acrylonitrile Butadiene Styrene (ABS) DWV Wyes..... <i>For Work In Restricted Working Space, Add</i>	171.23 19.67	43.71
22 13 16 00-0779 EA 4" Acrylonitrile Butadiene Styrene (ABS) DWV Wyes..... <i>For Work In Restricted Working Space, Add</i>	273.12 22.87	50.82
22 13 16 00-0780 EA 6" Acrylonitrile Butadiene Styrene (ABS) DWV Wyes..... <i>For Work In Restricted Working Space, Add</i>	821.54 29.73	65.97
<b>22 13 16 00-0781 Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes</b> <small>(22 13 16 00-0730)</small>		
22 13 16 00-0782 EA 2" x 1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes ..... <i>For Work In Restricted Working Space, Add</i>	124.65 12.50	27.75
22 13 16 00-0783 EA 2" x 2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes ..... <i>For Work In Restricted Working Space, Add</i>	127.37 13.57	30.09
22 13 16 00-0784 EA 3" x 3" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	142.10 17.99	39.95
22 13 16 00-0785 EA 4" x 4" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	225.28 20.13	44.72
22 13 16 00-0786 EA 4" x 4" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	257.49 21.80	48.38
22 13 16 00-0787 EA 6" x 6" x 4" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	688.36 27.44	60.89
<b>22 13 16 00-0788 Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes</b> <small>(22 13 16 00-0730)</small>		
22 13 16 00-0789 EA 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes ..... <i>For Work In Restricted Working Space, Add</i>	149.73 15.25	33.85
22 13 16 00-0790 EA 2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	192.28 19.52	43.30
22 13 16 00-0791 EA 3" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	416.32 26.23	58.25
22 13 16 00-0792 EA 4" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	767.90 30.50	67.70
<b>22 13 16 00-0793 Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Double Wyes</b> <small>(22 13 16 00-0730)</small>		
22 13 16 00-0794 EA 2" x 2" x 1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes ..... <i>For Work In Restricted Working Space, Add</i>	174.12 17.38	38.63
22 13 16 00-0795 EA 3" x 3" x 1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes ..... <i>For Work In Restricted Working Space, Add</i>	301.11 20.74	46.04
22 13 16 00-0796 EA 3" x 3" x 2" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes ..... <i>For Work In Restricted Working Space, Add</i>	320.42 22.87	50.82
22 13 16 00-0797 EA 4" x 4" x 2" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes ..... <i>For Work In Restricted Working Space, Add</i>	482.81 25.01	55.50
22 13 16 00-0798 EA 4" x 4" x 3" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes ..... <i>For Work In Restricted Working Space, Add</i>	622.18 28.36	62.92
<b>22 13 16 00-0799 Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bend</b> <small>(22 13 16 00-0730)</small>		
22 13 16 00-0800 EA 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends ..... <i>For Work In Restricted Working Space, Add</i>	112.41 11.44	25.42
22 13 16 00-0801 EA 2" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends ..... <i>For Work In Restricted Working Space, Add</i>	145.33 14.64	32.53
22 13 16 00-0802 EA 3" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends ..... <i>For Work In Restricted Working Space, Add</i>	224.62 19.67	43.71
22 13 16 00-0803 EA 4" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends ..... <i>For Work In Restricted Working Space, Add</i>	384.55 21.69	48.19



<b>Plumbing</b>	<b>22</b>	<b>22</b>
<b>Plumbing Piping</b>	<b>22 10</b>	
<b>Facility Sanitary Sewerage</b>	<b>22 13</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>22 13 16 00-0804 Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Combination Wye And 1/8 Bend <small>(22 13 16 00-0730)</small></b>		
22 13 16 00-0805 EA 2" x 2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends.....	123.42	30.09
<i>For Work In Restricted Working Space, Add</i>	13.57	
22 13 16 00-0806 EA 3" x 3" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends.....	241.53	37.61
<i>For Work In Restricted Working Space, Add</i>	16.92	
22 13 16 00-0807 EA 3" x 3" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends.....	175.66	39.95
<i>For Work In Restricted Working Space, Add</i>	17.99	
22 13 16 00-0808 EA 4" x 4" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends.....	324.78	44.72
<i>For Work In Restricted Working Space, Add</i>	20.13	
22 13 16 00-0809 EA 4" x 4" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends.....	351.71	48.38
<i>For Work In Restricted Working Space, Add</i>	21.80	
<b>22 13 16 00-0810 Acrylonitrile Butadiene Styrene (ABS) DWV Double Combination Wye And 1/8 Bend <small>(22 13 16 00-0730)</small></b>		
22 13 16 00-0811 EA 2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Combination Wye And 1/8 Bends.....	239.83	43.30
<i>For Work In Restricted Working Space, Add</i>	19.52	
22 13 16 00-0812 EA 3" Acrylonitrile Butadiene Styrene (ABS) DWV Double Combination Wye And 1/8 Bends.....	490.52	58.25
<i>For Work In Restricted Working Space, Add</i>	26.23	
<b>22 13 16 00-0813 Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Double Combination Wye And 1/8 Bend <small>(22 13 16 00-0730)</small></b>		
22 13 16 00-0814 EA 2" x 2" x 1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Combination Wye And 1/8 Bends.....	198.58	38.63
<i>For Work In Restricted Working Space, Add</i>	17.38	
22 13 16 00-0815 EA 3" x 3" x 2" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Combination Wye And 1/8 Bends.....	472.46	50.82
<i>For Work In Restricted Working Space, Add</i>	22.87	
<b>22 13 16 00-0816 Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Tees With Plug <small>(22 13 16 00- 0730)</small></b>		
22 13 16 00-0817 EA 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Tees With Plug.....	125.49	25.42
<i>For Work In Restricted Working Space, Add</i>	11.44	
22 13 16 00-0818 EA 2" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Tees With Plug.....	158.41	32.53
<i>For Work In Restricted Working Space, Add</i>	14.64	
22 13 16 00-0819 EA 3" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Tees With Plug.....	253.87	43.71
<i>For Work In Restricted Working Space, Add</i>	19.67	
22 13 16 00-0820 EA 4" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Tees With Plug.....	428.23	50.82
<i>For Work In Restricted Working Space, Add</i>	22.87	
<b>22 13 16 00-0821 Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug <small>(22 13 16 00-0730)</small></b>		
22 13 16 00-0822 EA 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug.....	55.37	16.97
<i>For Work In Restricted Working Space, Add</i>	7.63	
22 13 16 00-0823 EA 2" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug.....	80.87	21.65
<i>For Work In Restricted Working Space, Add</i>	9.76	
22 13 16 00-0824 EA 3" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug.....	118.00	29.07
<i>For Work In Restricted Working Space, Add</i>	13.11	
22 13 16 00-0825 EA 4" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug.....	225.70	33.85
<i>For Work In Restricted Working Space, Add</i>	15.25	
22 13 16 00-0826 EA 6" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug.....	546.19	44.02
<i>For Work In Restricted Working Space, Add</i>	19.82	
<b>22 13 16 00-0827 Acrylonitrile Butadiene Styrene (ABS) DWV Couplings <small>(22 13 16 00-0730)</small></b>		
22 13 16 00-0828 EA 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Couplings.....	35.74	16.97
<i>For Work In Restricted Working Space, Add</i>	7.63	
22 13 16 00-0829 EA 2" Acrylonitrile Butadiene Styrene (ABS) DWV Couplings.....	43.42	21.65
<i>For Work In Restricted Working Space, Add</i>	9.76	
22 13 16 00-0830 EA 3" Acrylonitrile Butadiene Styrene (ABS) DWV Couplings.....	73.32	29.07
<i>For Work In Restricted Working Space, Add</i>	13.11	
22 13 16 00-0831 EA 4" Acrylonitrile Butadiene Styrene (ABS) DWV Couplings.....	99.64	33.85
<i>For Work In Restricted Working Space, Add</i>	15.25	
22 13 16 00-0832 EA 6" Acrylonitrile Butadiene Styrene (ABS) DWV Couplings.....	307.37	44.02
<i>For Work In Restricted Working Space, Add</i>	19.82	
<b>22 13 16 00-0833 Acrylonitrile Butadiene Styrene (ABS) DWV Reducers <small>(22 13 16 00-0730)</small></b>		
22 13 16 00-0834 EA 2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducers.....	55.14	19.31
<i>For Work In Restricted Working Space, Add</i>	8.69	
22 13 16 00-0835 EA 3" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducers.....	117.54	22.98
<i>For Work In Restricted Working Space, Add</i>	10.37	
22 13 16 00-0836 EA 3" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducers.....	107.70	25.42
<i>For Work In Restricted Working Space, Add</i>	11.44	
22 13 16 00-0837 EA 4" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducers.....	178.91	27.75
<i>For Work In Restricted Working Space, Add</i>	12.50	
22 13 16 00-0838 EA 4" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Reducers.....	190.84	31.51
<i>For Work In Restricted Working Space, Add</i>	14.18	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>22 13 16 00-0839</b> Acrylonitrile Butadiene Styrene (ABS) DWV P-Traps <small>(22 13 16 00-0730)</small>		
22 13 16 00-0840 EA 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV P-Traps.....	88.86	25.42
<i>For Work In Restricted Working Space, Add</i>	11.44	
22 13 16 00-0841 EA 2" Acrylonitrile Butadiene Styrene (ABS) DWV P-Traps.....	130.92	32.53
<i>For Work In Restricted Working Space, Add</i>	14.64	
22 13 16 00-0842 EA 3" Acrylonitrile Butadiene Styrene (ABS) DWV P-Traps.....	441.72	43.71
<i>For Work In Restricted Working Space, Add</i>	19.67	
22 13 16 00-0843 EA 4" Acrylonitrile Butadiene Styrene (ABS) DWV P-Traps.....	846.90	50.82
<i>For Work In Restricted Working Space, Add</i>	22.87	
<b>22 13 16 00-0844</b> Acrylonitrile Butadiene Styrene (ABS) DWV Closet Flanges <small>(22 13 16 00-0730)</small>		
22 13 16 00-0845 EA 4" Acrylonitrile Butadiene Styrene (ABS) DWV Closet Flanges.....	121.66	33.85
<i>For Work In Restricted Working Space, Add</i>	15.25	
22 13 16 00-0846 EA 4" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Closet Flanges.....	113.70	31.51
<i>For Work In Restricted Working Space, Add</i>	14.18	
<b>22 13 16 00-0847</b> Acrylonitrile Butadiene Styrene (ABS) DWV Male Adapters <small>(22 13 16 00-0730)</small>		
22 13 16 00-0848 EA 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Male Adapters.....	25.88	8.43
<i>For Work In Restricted Working Space, Add</i>	3.81	
22 13 16 00-0849 EA 2" Acrylonitrile Butadiene Styrene (ABS) DWV Male Adapters.....	39.61	10.87
<i>For Work In Restricted Working Space, Add</i>	4.88	
22 13 16 00-0850 EA 3" Acrylonitrile Butadiene Styrene (ABS) DWV Male Adapters.....	89.88	14.53
<i>For Work In Restricted Working Space, Add</i>	6.56	
22 13 16 00-0851 EA 4" Acrylonitrile Butadiene Styrene (ABS) DWV Male Adapters.....	175.91	16.97
<i>For Work In Restricted Working Space, Add</i>	7.63	
<b>22 13 16 00-0852</b> Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushings <small>(22 13 16 00-0730)</small>		
22 13 16 00-0853 EA 2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing.....	39.86	19.31
<i>For Work In Restricted Working Space, Add</i>	8.69	
22 13 16 00-0854 EA 3" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing.....	93.29	22.98
<i>For Work In Restricted Working Space, Add</i>	10.37	
22 13 16 00-0855 EA 3" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing.....	75.43	25.42
<i>For Work In Restricted Working Space, Add</i>	11.44	
22 13 16 00-0856 EA 4" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing.....	177.02	27.75
<i>For Work In Restricted Working Space, Add</i>	12.50	
22 13 16 00-0857 EA 4" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing.....	125.69	31.51
<i>For Work In Restricted Working Space, Add</i>	14.18	
22 13 16 00-0858 EA 6" x 4" Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing.....	362.97	36.91
<i>For Work In Restricted Working Space, Add</i>	16.63	
<b>22 13 16 00-0859</b> Acrylonitrile Butadiene Styrene (ABS) To Polyvinyl Chloride (PVC) Flexible Couplings <small>(22 13 16 00-0730)</small>		
22 13 16 00-0860 EA 1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) To Polyvinyl Chloride (PVC) Flexible Coupling.....	134.72	16.97
<i>For Work In Restricted Working Space, Add</i>	7.63	
22 13 16 00-0861 EA 2" x 2" Acrylonitrile Butadiene Styrene (ABS) To Polyvinyl Chloride (PVC) Flexible Coupling.....	149.12	21.65
<i>For Work In Restricted Working Space, Add</i>	9.76	
22 13 16 00-0862 EA 3" x 3" Acrylonitrile Butadiene Styrene (ABS) To Polyvinyl Chloride (PVC) Flexible Coupling.....	167.59	29.07
<i>For Work In Restricted Working Space, Add</i>	13.11	
22 13 16 00-0863 EA 4" x 4" Acrylonitrile Butadiene Styrene (ABS) To Polyvinyl Chloride (PVC) Flexible Coupling.....	181.98	33.85
<i>For Work In Restricted Working Space, Add</i>	15.25	
<b>22 13 16 00-0864</b> Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe <small>(22 13 16 00-0717)</small>		
Note: In place piping.		
22 13 16 00-0865 EA 1-1/2", Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe.....	7.45	
22 13 16 00-0866 EA 2", Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe.....	8.20	
22 13 16 00-0867 EA 3", Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe.....	10.43	
22 13 16 00-0868 EA 4", Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe.....	14.07	
22 13 16 00-0869 EA 6", Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe.....	20.11	
<b>22 13 16 00-0870</b> Elastomeric Flexible Pipe Couplings <small>(22 13 16)</small>		
<b>22 13 16 00-0871</b> Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Couplings <small>(22 13 16 00-0870)</small>		
Note: For cast iron or plastic to cast iron or plastic pipe (Cast Iron/Plastic To Cast Iron/Plastic). Includes stainless steel clamps.		
22 13 16 00-0872 EA 1-1/4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-125).....	13.13	4.41
<i>For Work In Restricted Working Space, Add</i>	2.65	
22 13 16 00-0873 EA 1-1/2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-150).....	14.14	4.69
<i>For Work In Restricted Working Space, Add</i>	2.81	
22 13 16 00-0874 EA 2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-22).....	14.87	4.97
<i>For Work In Restricted Working Space, Add</i>	2.98	
22 13 16 00-0875 EA 3" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-33).....	17.17	5.25
<i>For Work In Restricted Working Space, Add</i>	3.15	
22 13 16 00-0876 EA 4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-44).....	19.40	5.52
<i>For Work In Restricted Working Space, Add</i>	3.31	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0877 EA 5" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-55) ..... <i>For Work In Restricted Working Space, Add</i>	24.69 3.48	5.79
22 13 16 00-0878 EA 6" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-66) ..... <i>For Work In Restricted Working Space, Add</i>	30.02 3.64	6.07
22 13 16 00-0879 EA 8" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-88) ..... <i>For Work In Restricted Working Space, Add</i>	40.75 3.98	6.63
22 13 16 00-0880 EA 10" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-1010) ..... <i>For Work In Restricted Working Space, Add</i>	53.68 4.64	7.73
<b>22 13 16 00-0881 Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Couplings</b> <sup>(22 13 16 00-0870)</sup> Note: For cast iron or plastic to cast iron or plastic pipe (Cast Iron/Plastic To Cast Iron/Plastic). Includes stainless steel clamps.		
22 13 16 00-0882 EA 1-1/2" x 1-1/4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-150/125) ..... <i>For Work In Restricted Working Space, Add</i>	13.97 2.81	4.69
22 13 16 00-0883 EA 2" x 1-1/2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-215) ..... <i>For Work In Restricted Working Space, Add</i>	15.15 2.98	4.97
22 13 16 00-0884 EA 3" x 1-1/2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-315) ..... <i>For Work In Restricted Working Space, Add</i>	18.55 3.15	5.25
22 13 16 00-0885 EA 3" x 2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-32) ..... <i>For Work In Restricted Working Space, Add</i>	16.66 3.15	5.25
22 13 16 00-0886 EA 4" x 1-1/2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-415) ..... <i>For Work In Restricted Working Space, Add</i>	22.79 3.31	5.52
22 13 16 00-0887 EA 4" x 2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-42) ..... <i>For Work In Restricted Working Space, Add</i>	21.83 3.31	5.52
22 13 16 00-0888 EA 4" x 3" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-43) ..... <i>For Work In Restricted Working Space, Add</i>	20.04 3.31	5.52
22 13 16 00-0889 EA 5" x 3" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-53) ..... <i>For Work In Restricted Working Space, Add</i>	28.89 3.48	5.79
22 13 16 00-0890 EA 5" x 4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-54) ..... <i>For Work In Restricted Working Space, Add</i>	26.16 3.48	5.79
22 13 16 00-0891 EA 6" x 3" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-63) ..... <i>For Work In Restricted Working Space, Add</i>	35.67 3.64	6.07
22 13 16 00-0892 EA 6" x 4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-64) ..... <i>For Work In Restricted Working Space, Add</i>	31.58 3.64	6.07
22 13 16 00-0893 EA 6" x 5" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-65) ..... <i>For Work In Restricted Working Space, Add</i>	32.72 3.64	6.07
22 13 16 00-0894 EA 8" x 4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-84) ..... <i>For Work In Restricted Working Space, Add</i>	64.17 6.62	11.04
22 13 16 00-0895 EA 8" x 6" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-86) ..... <i>For Work In Restricted Working Space, Add</i>	52.83 6.62	11.04
22 13 16 00-0896 EA 10" x 8" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-10-8) ..... <i>For Work In Restricted Working Space, Add</i>	66.72 7.45	12.42
<b>22 13 16 00-0897 Elastomeric Flexible Pipe Caps (Fernco QC)</b> <sup>(22 13 16)</sup> Note: For cast iron, steel, copper or plastic pipe. Includes stainless steel clamp.		
22 13 16 00-0898 EA 1-1/2" Elastomeric Flexible Pipe Cap (Fernco QC-101).....	48.71	29.80
22 13 16 00-0899 EA 2" Elastomeric Flexible Pipe Cap (Fernco QC-102).....	52.25	31.68
22 13 16 00-0900 EA 3" Elastomeric Flexible Pipe Cap (Fernco QC-103).....	60.51	36.31
22 13 16 00-0901 EA 4" Elastomeric Flexible Pipe Cap (Fernco QC-104).....	79.84	48.01
22 13 16 00-0902 EA 5" Elastomeric Flexible Pipe Cap (Fernco QC-105).....	95.70	57.40
22 13 16 00-0903 EA 6" Elastomeric Flexible Pipe Cap (Fernco QC-106).....	110.33	66.23
22 13 16 00-0904 EA 8" Elastomeric Flexible Pipe Cap (Fernco QC-108).....	148.03	83.89
22 13 16 00-0905 EA 10" Elastomeric Flexible Pipe Cap (Fernco QC-110).....	182.05	93.82
22 13 16 00-0906 EA 12" Elastomeric Flexible Pipe Cap (Fernco QC-112).....	230.49	104.31
<b>22 13 16 00-0907 Cast Iron Vent Stack Flashing Sleeves With Caulking Recess (Josam 26450 Series)</b> <sup>(22 13 16)</sup>		
22 13 16 00-0908 EA 1-1/2" Cast Iron Vent Stack Flashing Sleeves With Caulking Recess .....	95.56	22.88
22 13 16 00-0909 EA 2" Cast Iron Vent Stack Flashing Sleeves With Caulking Recess .....	100.64	25.42
22 13 16 00-0910 EA 3" Cast Iron Vent Stack Flashing Sleeves With Caulking Recess .....	151.49	33.03
22 13 16 00-0911 EA 4" Cast Iron Vent Stack Flashing Sleeves With Caulking Recess .....	177.67	38.12
22 13 16 00-0912 EA 5" Cast Iron Vent Stack Flashing Sleeves With Caulking Recess .....	207.39	43.20
22 13 16 00-0913 EA 6" Cast Iron Vent Stack Flashing Sleeves With Caulking Recess .....	352.78	48.28
<b>22 13 16 00-0914 Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess (Josam 26440 Series)</b> <sup>(22 13 16)</sup>		
22 13 16 00-0915 EA 1-1/2" Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess .....	201.25	22.88
22 13 16 00-0916 EA 2" Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess .....	206.33	25.42
22 13 16 00-0917 EA 3" Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess .....	244.84	33.03
22 13 16 00-0918 EA 4" Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess .....	306.82	38.12
22 13 16 00-0919 EA 5" Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess .....	420.66	43.20
22 13 16 00-0920 EA 6" Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess .....	430.82	48.28
<b>22 13 16 00-0921 Cast Iron Vandal Proof Hooded Vent Cap (Josam 26700 Series)</b> <sup>(22 13 16)</sup> Note: Includes counterflashing collar, deep protective hood and recessed securing screws.		

<b>22</b>	<b>Plumbing</b>
<b>22 10</b>	<b>Plumbing Piping</b>
<b>22 13</b>	<b>Facility Sanitary Sewerage</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0922	EA		1-1/2" Cast Iron Vandal Proof Hooded Vent Cap.....	387.12	22.88
22 13 16 00-0923	EA		2" Cast Iron Vandal Proof Hooded Vent Cap.....	392.20	25.42
22 13 16 00-0924	EA		3" Cast Iron Vandal Proof Hooded Vent Cap.....	450.12	33.03
22 13 16 00-0925	EA		4" Cast Iron Vandal Proof Hooded Vent Cap.....	506.52	38.12
22 13 16 00-0926	EA		5" Cast Iron Vandal Proof Hooded Vent Cap.....	591.37	43.20
22 13 16 00-0927	EA		6" Cast Iron Vandal Proof Hooded Vent Cap.....	645.98	48.28

**22 13 19 Sanitary Waste Piping Specialties (22 13)**

**22 13 19 13 Sanitary Drains (22 13 19)**

**22 13 19 13-0001 Round Top Floor Drains (22 13 19 13)**

22 13 19 13-0002	EA		Bronze Top, 6" Round Top Floor Drain With 1-1/2" Outlet.....	791.99	109.27
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	105.00	
			<i>For Sediment Bucket, Add</i>	22.50	
22 13 19 13-0003	EA		Bronze Top, 6" Round Top Floor Drain With 2" Outlet.....	869.69	122.49
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	105.00	
			<i>For Sediment Bucket, Add</i>	22.50	
22 13 19 13-0004	EA		Bronze Top, 6" Round Top Floor Drain With 3" Outlet.....	844.54	135.50
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	105.00	
			<i>For Sediment Bucket, Add</i>	22.50	
22 13 19 13-0005	EA		Bronze Top, 6" Round Top Floor Drain With 4" Outlet.....	872.45	149.53
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	105.00	
			<i>For Sediment Bucket, Add</i>	22.50	
22 13 19 13-0006	EA		Cast Iron Top, 9" Round Top Floor Drain With 2" Outlet.....	791.99	122.49
			<i>For Vandal Proof Screws, Add</i>	30.50	
			<i>For Ductile Iron Grate, Add</i>	48.00	
			<i>For Cast Iron Dome Grate, Add</i>	17.00	
			<i>For Nikaloy Dome Grate, Add</i>	178.50	
			<i>For Bronze Dome Grate, Add</i>	143.00	
			<i>For Cast Iron Extension Collar, Each 3", Add</i>	57.50	
			<i>For Galvanized Extension Collar, Each 3", Add</i>	117.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
22 13 19 13-0007	EA		Cast Iron Top, 9" Round Top Floor Drain With 3" Outlet.....	818.11	135.50
			<i>For Vandal Proof Screws, Add</i>	30.50	
			<i>For Ductile Iron Grate, Add</i>	48.00	
			<i>For Cast Iron Dome Grate, Add</i>	17.00	
			<i>For Nikaloy Dome Grate, Add</i>	178.50	
			<i>For Bronze Dome Grate, Add</i>	143.00	
			<i>For Cast Iron Extension Collar, Each 3", Add</i>	57.50	
			<i>For Galvanized Extension Collar, Each 3", Add</i>	117.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
22 13 19 13-0008	EA		Cast Iron Top, 9" Round Top Floor Drain With 4" Outlet.....	846.02	149.53
			<i>For Vandal Proof Screws, Add</i>	30.50	
			<i>For Ductile Iron Grate, Add</i>	48.00	
			<i>For Cast Iron Dome Grate, Add</i>	17.00	
			<i>For Nikaloy Dome Grate, Add</i>	178.50	
			<i>For Bronze Dome Grate, Add</i>	143.00	
			<i>For Cast Iron Extension Collar, Each 3", Add</i>	57.50	
			<i>For Galvanized Extension Collar, Each 3", Add</i>	117.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
22 13 19 13-0009	EA		Nikaloy Top, 9" Round Top Floor Drain With 2" Outlet.....	1,336.40	122.49
			<i>For Vandal Proof Screws, Add</i>	30.50	
			<i>For Ductile Iron Grate, Add</i>	48.00	
			<i>For Cast Iron Dome Grate, Add</i>	17.00	
			<i>For Nikaloy Dome Grate, Add</i>	178.50	
			<i>For Bronze Dome Grate, Add</i>	143.00	
			<i>For Cast Iron Extension Collar, Each 3", Add</i>	57.50	
			<i>For Galvanized Extension Collar, Each 3", Add</i>	117.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
22 13 19 13-0010	EA		Nikaloy Top, 9" Round Top Floor Drain With 3" Outlet.....	1,362.52	135.50
			<i>For Vandal Proof Screws, Add</i>	30.50	
			<i>For Ductile Iron Grate, Add</i>	48.00	
			<i>For Cast Iron Dome Grate, Add</i>	17.00	
			<i>For Nikaloy Dome Grate, Add</i>	178.50	
			<i>For Bronze Dome Grate, Add</i>	143.00	
			<i>For Cast Iron Extension Collar, Each 3", Add</i>	57.50	
			<i>For Galvanized Extension Collar, Each 3", Add</i>	117.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
22 13 19 13-0011	EA		Nikaloy Top, 9" Round Top Floor Drain With 4" Outlet.....	1,390.43	149.53
			<i>For Vandal Proof Screws, Add</i>	30.50	
			<i>For Ductile Iron Grate, Add</i>	48.00	
			<i>For Cast Iron Dome Grate, Add</i>	17.00	
			<i>For Nikaloy Dome Grate, Add</i>	178.50	
			<i>For Bronze Dome Grate, Add</i>	143.00	
			<i>For Cast Iron Extension Collar, Each 3", Add</i>	57.50	
			<i>For Galvanized Extension Collar, Each 3", Add</i>	117.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	87.50	



	<b>Plumbing</b>	<b>22</b>	
	<b>Plumbing Piping</b>	<b>22 10</b>	<b>22</b>
	<b>Facility Sanitary Sewerage</b>	<b>22 13</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0012 EA Bronze Top, 9" Round Top Floor Drain With 2" Outlet.....	1,257.11	122.49
For Vandal Proof Screws, Add	30.50	
For Ductile Iron Grate, Add	48.00	
For Cast Iron Dome Grate, Add	17.00	
For Nikaloy Dome Grate, Add	178.50	
For Bronze Dome Grate, Add	143.00	
For Cast Iron Extension Collar, Each 3", Add	57.50	
For Galvanized Extension Collar, Each 3", Add	117.50	
For Galvanized Cast Iron Parts, Add	87.50	
22 13 19 13-0013 EA Bronze Top, 9" Round Top Floor Drain With 3" Outlet.....	1,283.09	135.50
For Vandal Proof Screws, Add	30.50	
For Ductile Iron Grate, Add	48.00	
For Cast Iron Dome Grate, Add	17.00	
For Nikaloy Dome Grate, Add	178.50	
For Bronze Dome Grate, Add	143.00	
For Cast Iron Extension Collar, Each 3", Add	57.50	
For Galvanized Extension Collar, Each 3", Add	117.50	
For Galvanized Cast Iron Parts, Add	87.50	
22 13 19 13-0014 EA Bronze Top, 9" Round Top Floor Drain With 4" Outlet.....	1,311.14	149.53
For Vandal Proof Screws, Add	30.50	
For Ductile Iron Grate, Add	48.00	
For Cast Iron Dome Grate, Add	17.00	
For Nikaloy Dome Grate, Add	178.50	
For Bronze Dome Grate, Add	143.00	
For Cast Iron Extension Collar, Each 3", Add	57.50	
For Galvanized Extension Collar, Each 3", Add	117.50	
For Galvanized Cast Iron Parts, Add	87.50	
22 13 19 13-0015 EA Cast Iron Top, 12-5/8" Round Top Floor Drain With 2" Outlet .....	1,383.85	122.39
For Vandal Proof Screws, Add	30.50	
For Ductile Iron Grate, Add	53.00	
For Cast Iron Dome Grate, Add	28.00	
For Nikaloy Dome Grate, Add	255.00	
For Cast Iron Extension Collar, Each 2", Add	51.00	
For Galvanized Extension Collar, Each 2", Add	102.50	
For Galvanized Cast Iron Parts, Add	132.00	
For Primer Tap, Add	33.50	
For Chained Grate, Add	48.50	
22 13 19 13-0016 EA Cast Iron Top, 12-5/8" Round Top Floor Drain With 3" Outlet .....	1,409.95	135.50
For Vandal Proof Screws, Add	30.50	
For Ductile Iron Grate, Add	53.00	
For Cast Iron Dome Grate, Add	28.00	
For Nikaloy Dome Grate, Add	255.00	
For Cast Iron Extension Collar, Each 2", Add	51.00	
For Galvanized Extension Collar, Each 2", Add	102.50	
For Galvanized Cast Iron Parts, Add	132.00	
For Primer Tap, Add	33.50	
For Chained Grate, Add	48.50	
22 13 19 13-0017 EA Cast Iron Top, 12-5/8" Round Top Floor Drain With 4" Outlet .....	1,438.00	149.53
For Vandal Proof Screws, Add	30.50	
For Ductile Iron Grate, Add	53.00	
For Cast Iron Dome Grate, Add	28.00	
For Nikaloy Dome Grate, Add	255.00	
For Cast Iron Extension Collar, Each 2", Add	51.00	
For Galvanized Extension Collar, Each 2", Add	102.50	
For Galvanized Cast Iron Parts, Add	132.00	
For Primer Tap, Add	33.50	
For Chained Grate, Add	48.50	
22 13 19 13-0018 EA Nikaloy Top, 12-5/8" Round Top Floor Drain With 2" Outlet.....	2,197.81	122.39
For Vandal Proof Screws, Add	30.50	
For Ductile Iron Grate, Add	53.00	
For Cast Iron Dome Grate, Add	28.00	
For Nikaloy Dome Grate, Add	255.00	
For Cast Iron Extension Collar, Each 2", Add	51.00	
For Galvanized Extension Collar, Each 2", Add	102.50	
For Galvanized Cast Iron Parts, Add	132.00	
For Primer Tap, Add	33.50	
For Chained Grate, Add	48.50	
22 13 19 13-0019 EA Nikaloy Top, 12-5/8" Round Top Floor Drain With 3" Outlet.....	2,223.91	135.50
For Vandal Proof Screws, Add	30.50	
For Ductile Iron Grate, Add	53.00	
For Cast Iron Dome Grate, Add	28.00	
For Nikaloy Dome Grate, Add	255.00	
For Cast Iron Extension Collar, Each 2", Add	51.00	
For Galvanized Extension Collar, Each 2", Add	102.50	
For Galvanized Cast Iron Parts, Add	132.00	
For Primer Tap, Add	33.50	
For Chained Grate, Add	48.50	
22 13 19 13-0020 EA Nikaloy Top, 12-5/8" Round Top Floor Drain With 4" Outlet.....	2,251.96	149.53
For Vandal Proof Screws, Add	30.50	
For Ductile Iron Grate, Add	53.00	
For Cast Iron Dome Grate, Add	28.00	
For Nikaloy Dome Grate, Add	255.00	
For Cast Iron Extension Collar, Each 2", Add	51.00	
For Galvanized Extension Collar, Each 2", Add	102.50	
For Galvanized Cast Iron Parts, Add	132.00	
For Primer Tap, Add	33.50	
For Chained Grate, Add	48.50	

**22 Plumbing**  
**22 10 Plumbing Piping**  
**22 13 Facility Sanitary Sewerage**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0021	EA		Bronze Top, 12-5/8" Round Top Floor Drain With 2" Outlet.....	2,089.46	122.39
			<i>For Vandal Proof Screws, Add</i>	30.50	
			<i>For Ductile Iron Grate, Add</i>	53.00	
			<i>For Cast Iron Dome Grate, Add</i>	28.00	
			<i>For Nikaloy Dome Grate, Add</i>	255.00	
			<i>For Cast Iron Extension Collar, Each 2", Add</i>	51.00	
			<i>For Galvanized Extension Collar, Each 2", Add</i>	102.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	132.00	
			<i>For Primer Tap, Add</i>	33.50	
			<i>For Chained Grate, Add</i>	48.50	
22 13 19 13-0022	EA		Bronze Top, 12-5/8" Round Top Floor Drain With 3" Outlet.....	2,115.56	135.50
			<i>For Vandal Proof Screws, Add</i>	30.50	
			<i>For Ductile Iron Grate, Add</i>	53.00	
			<i>For Cast Iron Dome Grate, Add</i>	28.00	
			<i>For Nikaloy Dome Grate, Add</i>	255.00	
			<i>For Cast Iron Extension Collar, Each 2", Add</i>	51.00	
			<i>For Galvanized Extension Collar, Each 2", Add</i>	102.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	132.00	
			<i>For Primer Tap, Add</i>	33.50	
			<i>For Chained Grate, Add</i>	48.50	
22 13 19 13-0023	EA		Bronze Top, 12-5/8" Round Top Floor Drain With 4" Outlet.....	2,143.61	149.53
			<i>For Vandal Proof Screws, Add</i>	30.50	
			<i>For Ductile Iron Grate, Add</i>	53.00	
			<i>For Cast Iron Dome Grate, Add</i>	28.00	
			<i>For Nikaloy Dome Grate, Add</i>	255.00	
			<i>For Cast Iron Extension Collar, Each 2", Add</i>	51.00	
			<i>For Galvanized Extension Collar, Each 2", Add</i>	102.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	132.00	
			<i>For Primer Tap, Add</i>	33.50	
			<i>For Chained Grate, Add</i>	48.50	
22 13 19 13-0024			<b>Square Or Rectangular Top Drains</b> <small>(22 13 19 13)</small>		
22 13 19 13-0025	EA		5" x 5" Floor Drain With 2" Bottom Outlet, Nikaloy Top.....	942.51	122.39
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	105.00	
			<i>For Sediment Bucket, Add</i>	22.50	
22 13 19 13-0026	EA		5" x 5" Floor Drain With 3" Bottom Outlet, Nikaloy Top.....	968.90	135.60
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	105.00	
			<i>For Sediment Bucket, Add</i>	22.50	
22 13 19 13-0027	EA		5" x 5" Floor Drain With 4" Bottom Outlet, Nikaloy Top.....	996.66	149.53
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	105.00	
			<i>For Sediment Bucket, Add</i>	22.50	
22 13 19 13-0028	EA		6" x 6" Floor Drain With 2" Bottom Outlet, Nikaloy Top.....	1,021.79	122.39
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	105.00	
			<i>For Sediment Bucket, Add</i>	22.50	
22 13 19 13-0029	EA		6" x 6" Floor Drain With 3" Bottom Outlet, Nikaloy Top.....	1,048.18	135.60
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	105.00	
			<i>For Sediment Bucket, Add</i>	22.50	
22 13 19 13-0030	EA		6" x 6" Floor Drain With 4" Bottom Outlet, Nikaloy Top.....	1,075.94	149.53
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	105.00	
			<i>For Sediment Bucket, Add</i>	22.50	
22 13 19 13-0031	EA		8" x 8" Floor Drain With 2" Bottom Outlet, Nikaloy Top.....	1,370.63	122.39
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	105.00	
			<i>For Sediment Bucket, Add</i>	22.50	
22 13 19 13-0032	EA		8" x 8" Floor Drain With 3" Bottom Outlet, Nikaloy Top.....	1,397.02	135.60
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	105.00	
			<i>For Sediment Bucket, Add</i>	22.50	
22 13 19 13-0033	EA		8" x 8" Floor Drain With 4" Bottom Outlet, Nikaloy Top.....	1,424.78	149.53
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	105.00	
			<i>For Sediment Bucket, Add</i>	22.50	
22 13 19 13-0034	EA		5" x 5" Floor Drain With 2" Bottom Outlet, Bronze Top.....	884.37	122.39
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	105.00	
			<i>For Sediment Bucket, Add</i>	22.50	
22 13 19 13-0035	EA		5" x 5" Floor Drain With 3" Bottom Outlet, Bronze Top.....	910.76	135.60
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	105.00	
			<i>For Sediment Bucket, Add</i>	22.50	
22 13 19 13-0036	EA		5" x 5" Floor Drain With 4" Bottom Outlet, Bronze Top.....	938.52	149.53
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	105.00	
			<i>For Sediment Bucket, Add</i>	22.50	
22 13 19 13-0037	EA		6" x 6" Floor Drain With 2" Bottom Outlet, Bronze Top.....	984.79	122.39
			<i>For Vandal Proof Screws, Add</i>	11.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	105.00	
			<i>For Sediment Bucket, Add</i>	22.50	





	<b>Plumbing</b>	<b>22</b>
	<b>Plumbing Piping</b>	<b>22 10</b>
	<b>Facility Sanitary Sewerage</b>	<b>22 13</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0038 EA 6" x 6" Floor Drain With 3" Bottom Outlet, Bronze Top <i>For Vandal Proof Screws, Add</i> <i>For Galvanized Cast Iron Parts, Add</i> <i>For Sediment Bucket, Add</i>	1,011.18 11.00 105.00 22.50	135.60
22 13 19 13-0039 EA 6" x 6" Floor Drain With 4" Bottom Outlet, Bronze Top <i>For Vandal Proof Screws, Add</i> <i>For Galvanized Cast Iron Parts, Add</i> <i>For Sediment Bucket, Add</i>	1,038.94 11.00 105.00 22.50	149.53
22 13 19 13-0040 EA 8" x 8" Floor Drain With 2" Bottom Outlet, Bronze Top <i>For Vandal Proof Screws, Add</i> <i>For Galvanized Cast Iron Parts, Add</i> <i>For Sediment Bucket, Add</i>	1,267.56 11.00 105.00 22.50	122.39
22 13 19 13-0041 EA 8" x 8" Floor Drain With 3" Bottom Outlet, Bronze Top <i>For Vandal Proof Screws, Add</i> <i>For Galvanized Cast Iron Parts, Add</i> <i>For Sediment Bucket, Add</i>	1,293.95 11.00 105.00 22.50	135.60
22 13 19 13-0042 EA 8" x 8" Floor Drain With 4" Bottom Outlet, Bronze Top <i>For Vandal Proof Screws, Add</i> <i>For Galvanized Cast Iron Parts, Add</i> <i>For Sediment Bucket, Add</i>	1,321.71 11.00 105.00 22.50	149.53
22 13 19 13-0043 EA 12" x 12" Can Wash Drain With 3" Bottom Outlet, Cast Iron Top <i>For Galvanized Cast Iron Parts, Add</i> <i>For Chained Grate, Add</i> <i>For No-Hub Side Outlet, Add</i>	3,334.16 318.00 48.50 76.00	135.60
22 13 19 13-0044 EA 12" x 12" Can Wash Drain With 4" Bottom Outlet, Cast Iron Top <i>For Galvanized Cast Iron Parts, Add</i> <i>For Chained Grate, Add</i> <i>For No-Hub Side Outlet, Add</i>	3,361.92 318.00 48.50 76.00	149.53
22 13 19 13-0045 EA 12" x 12" Can Wash Drain With 3" Bottom Outlet, Nikaloy Top <i>For Galvanized Cast Iron Parts, Add</i> <i>For Chained Grate, Add</i> <i>For No-Hub Side Outlet, Add</i>	4,195.69 318.00 48.50 76.00	135.60
22 13 19 13-0046 EA 12" x 12" Can Wash Drain With 4" Bottom Outlet, Nikaloy Top <i>For Galvanized Cast Iron Parts, Add</i> <i>For Chained Grate, Add</i> <i>For No-Hub Side Outlet, Add</i>	4,223.45 318.00 48.50 76.00	149.53
22 13 19 13-0047 EA 12" x 12" Can Wash Drain With 3" Bottom Outlet, Bronze Top <i>For Galvanized Cast Iron Parts, Add</i> <i>For Chained Grate, Add</i> <i>For No-Hub Side Outlet, Add</i>	4,092.63 318.00 48.50 76.00	135.60
22 13 19 13-0048 EA 12" x 12" Can Wash Drain With 4" Bottom Outlet, Bronze Top <i>For Galvanized Cast Iron Parts, Add</i> <i>For Chained Grate, Add</i> <i>For No-Hub Side Outlet, Add</i>	4,120.39 318.00 48.50 76.00	149.53
22 13 19 13-0049 EA 5" x 9" Floor Drain With 2" Bottom Outlet, Nikaloy Top <i>For Vandal Proof Screws, Add</i> <i>For Rough Bronze Body, Add</i> <i>For Sediment Bucket, Add</i>	1,391.77 11.00 120.94 22.50	122.39
22 13 19 13-0050 EA 5" x 9" Floor Drain With 3" Bottom Outlet, Nikaloy Top <i>For Vandal Proof Screws, Add</i> <i>For Rough Bronze Body, Add</i> <i>For Sediment Bucket, Add</i>	1,418.16 11.00 120.94 22.50	135.60
22 13 19 13-0051 EA 5" x 9" Floor Drain With 4" Bottom Outlet, Nikaloy Top <i>For Vandal Proof Screws, Add</i> <i>For Rough Bronze Body, Add</i> <i>For Sediment Bucket, Add</i>	1,445.92 11.00 120.94 22.50	149.53
22 13 19 13-0052 EA 5" x 13" Floor Drain With 2" Bottom Outlet, Nikaloy Top <i>For Vandal Proof Screws, Add</i> <i>For Rough Bronze Body, Add</i> <i>For Sediment Bucket, Add</i>	1,801.40 11.00 120.94 22.50	122.39
22 13 19 13-0053 EA 5" x 13" Floor Drain With 3" Bottom Outlet, Nikaloy Top <i>For Vandal Proof Screws, Add</i> <i>For Rough Bronze Body, Add</i> <i>For Sediment Bucket, Add</i>	1,827.79 11.00 120.94 22.50	135.60
22 13 19 13-0054 EA 5" x 13" Floor Drain With 4" Bottom Outlet, Nikaloy Top <i>For Vandal Proof Screws, Add</i> <i>For Rough Bronze Body, Add</i> <i>For Sediment Bucket, Add</i>	1,855.55 11.00 120.94 22.50	149.53
22 13 19 13-0055 EA 5" x 16-3/4" Floor Drain With 2" Bottom Outlet, Nikaloy Top <i>For Vandal Proof Screws, Add</i> <i>For Rough Bronze Body, Add</i> <i>For Sediment Bucket, Add</i>	1,896.54 11.00 120.94 22.50	122.39
22 13 19 13-0056 EA 5" x 16-5/8" Floor Drain With 3" Bottom Outlet, Nikaloy Top <i>For Vandal Proof Screws, Add</i> <i>For Rough Bronze Body, Add</i> <i>For Sediment Bucket, Add</i>	1,922.93 11.00 120.94 22.50	135.60
22 13 19 13-0057 EA 5" x 16-3/4" Floor Drain With 4" Bottom Outlet, Nikaloy Top <i>For Vandal Proof Screws, Add</i> <i>For Rough Bronze Body, Add</i> <i>For Sediment Bucket, Add</i>	1,950.69 11.00 120.94 22.50	149.53
22 13 19 13-0058 EA 5" x 21" Floor Drain With 2" Bottom Outlet, Nikaloy Top <i>For Vandal Proof Screws, Add</i> <i>For Rough Bronze Body, Add</i> <i>For Sediment Bucket, Add</i>	2,633.87 11.00 120.94 22.50	122.39



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0059	EA	5" x 21" Floor Drain With 3" Bottom Outlet, Nikaloy Top..... <i>For Vandal Proof Screws, Add</i> <i>For Rough Bronze Body, Add</i> <i>For Sediment Bucket, Add</i>	2,660.26 11.00 120.94 22.50	135.60
22 13 19 13-0060	EA	5" x 21" Floor Drain With 4" Bottom Outlet, Nikaloy Top..... <i>For Vandal Proof Screws, Add</i> <i>For Rough Bronze Body, Add</i> <i>For Sediment Bucket, Add</i>	2,688.02 11.00 120.94 22.50	149.53
22 13 19 13-0061	EA	5" x 9" Floor Drain With 2" Bottom Outlet, Bronze Top..... <i>For Vandal Proof Screws, Add</i> <i>For Rough Bronze Body, Add</i> <i>For Sediment Bucket, Add</i>	1,307.21 11.00 120.94 22.50	122.39
22 13 19 13-0062	EA	5" x 9" Floor Drain With 3" Bottom Outlet, Bronze Top..... <i>For Vandal Proof Screws, Add</i> <i>For Rough Bronze Body, Add</i> <i>For Sediment Bucket, Add</i>	1,333.60 11.00 120.94 22.50	135.60
22 13 19 13-0063	EA	5" x 9" Floor Drain With 4" Bottom Outlet, Bronze Top..... <i>For Vandal Proof Screws, Add</i> <i>For Rough Bronze Body, Add</i> <i>For Sediment Bucket, Add</i>	1,361.36 11.00 120.94 22.50	149.53
22 13 19 13-0064	EA	5" x 13" Floor Drain With 2" Bottom Outlet, Bronze Top..... <i>For Vandal Proof Screws, Add</i> <i>For Rough Bronze Body, Add</i> <i>For Sediment Bucket, Add</i>	1,656.05 11.00 120.94 22.50	122.39
22 13 19 13-0065	EA	5" x 13" Floor Drain With 3" Bottom Outlet, Bronze Top..... <i>For Vandal Proof Screws, Add</i> <i>For Rough Bronze Body, Add</i> <i>For Sediment Bucket, Add</i>	1,682.44 11.00 120.94 22.50	135.60
22 13 19 13-0066	EA	5" x 13" Floor Drain With 4" Bottom Outlet, Bronze Top..... <i>For Vandal Proof Screws, Add</i> <i>For Rough Bronze Body, Add</i> <i>For Sediment Bucket, Add</i>	1,710.20 11.00 120.94 22.50	149.53
22 13 19 13-0067	EA	5" x 16-3/4" Floor Drain With 2" Bottom Outlet, Bronze Top..... <i>For Vandal Proof Screws, Add</i> <i>For Rough Bronze Body, Add</i> <i>For Sediment Bucket, Add</i>	1,751.19 11.00 120.94 22.50	122.39
22 13 19 13-0068	EA	5" x 16-5/8" Floor Drain With 3" Bottom Outlet, Bronze Top..... <i>For Vandal Proof Screws, Add</i> <i>For Rough Bronze Body, Add</i> <i>For Sediment Bucket, Add</i>	1,777.58 11.00 120.94 22.50	135.60
22 13 19 13-0069	EA	5" x 16-3/4" Floor Drain With 4" Bottom Outlet, Bronze Top..... <i>For Vandal Proof Screws, Add</i> <i>For Rough Bronze Body, Add</i> <i>For Sediment Bucket, Add</i>	1,805.34 11.00 120.94 22.50	149.53
22 13 19 13-0070	EA	5" x 21" Floor Drain With 2" Bottom Outlet, Bronze Top..... <i>For Vandal Proof Screws, Add</i> <i>For Rough Bronze Body, Add</i> <i>For Sediment Bucket, Add</i>	2,351.09 11.00 120.94 22.50	122.39
22 13 19 13-0071	EA	5" x 21" Floor Drain With 3" Bottom Outlet, Bronze Top..... <i>For Vandal Proof Screws, Add</i> <i>For Rough Bronze Body, Add</i> <i>For Sediment Bucket, Add</i>	2,377.48 11.00 120.94 22.50	135.60
22 13 19 13-0072	EA	5" x 21" Floor Drain With 4" Bottom Outlet, Bronze Top..... <i>For Vandal Proof Screws, Add</i> <i>For Rough Bronze Body, Add</i> <i>For Sediment Bucket, Add</i>	2,405.24 11.00 120.94 22.50	149.53
<b>22 13 19 13-0073</b>		<b>Funnel Type Floor Drains</b> <small>(22 13 19 13)</small>		
22 13 19 13-0074	EA	7" Diameter Floor Drain With 4" Round Funnel With 1-1/2" Outlet, Bronze Top..... <i>For Vandal Proof Screws, Add</i> <i>For Galvanized Cast Iron Parts, Add</i> <i>For Satin Finish Bronze Top, Deduct</i>	1,315.34 11.00 105.00 -19.50	109.27
22 13 19 13-0075	EA	7" Diameter Floor Drain With 4" Round Funnel With 2" Outlet, Bronze Top..... <i>For Vandal Proof Screws, Add</i> <i>For Galvanized Cast Iron Parts, Add</i> <i>For Satin Finish Bronze Top, Deduct</i>	1,341.56 11.00 105.00 -19.50	122.39
22 13 19 13-0076	EA	7" Diameter Floor Drain With 4" Round Funnel With 3" Outlet, Bronze Top..... <i>For Vandal Proof Screws, Add</i> <i>For Galvanized Cast Iron Parts, Add</i> <i>For Satin Finish Bronze Top, Deduct</i>	1,367.66 11.00 105.00 -19.50	135.50
22 13 19 13-0077	EA	7" Diameter Floor Drain With 4" Round Funnel With 4" Outlet, Bronze Top..... <i>For Vandal Proof Screws, Add</i> <i>For Galvanized Cast Iron Parts, Add</i> <i>For Satin Finish Bronze Top, Deduct</i>	1,395.71 11.00 105.00 -19.50	149.53
22 13 19 13-0078	EA	7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 2" Outlet, Nikaloy Top..... <i>For Vandal Proof Screws, Add</i> <i>For Primer Tap, Add</i> <i>For Galvanized Cast Iron Parts, Add</i> <i>For Satin Finish Bronze Top, Deduct</i>	1,936.18 11.00 15.10 105.00 -19.50	122.39
22 13 19 13-0079	EA	7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 3" Outlet, Nikaloy Top..... <i>For Vandal Proof Screws, Add</i> <i>For Primer Tap, Add</i> <i>For Galvanized Cast Iron Parts, Add</i> <i>For Satin Finish Bronze Top, Deduct</i>	1,962.28 11.00 15.10 105.00 -19.50	135.50



<b>Plumbing</b>	<b>22</b>	<b>22</b>
<b>Plumbing Piping</b>	<b>22 10</b>	
<b>Facility Sanitary Sewerage</b>	<b>22 13</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0080 EA 7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 4" Outlet, Nikaloy Top.....	1,990.33	149.53
For Vandal Proof Screws, Add	11.00	
For Primer Tap, Add	15.10	
For Galvanized Cast Iron Parts, Add	105.00	
For Satin Finish Bronze Top, Deduct	-19.50	
22 13 19 13-0081 EA 7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 2" Outlet, Bronze Top.....	1,833.11	122.39
For Vandal Proof Screws, Add	11.00	
For Primer Tap, Add	15.10	
For Galvanized Cast Iron Parts, Add	105.00	
For Satin Finish Bronze Top, Deduct	-19.50	
22 13 19 13-0082 EA 7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 3" Outlet, Bronze Top.....	1,859.21	135.50
For Vandal Proof Screws, Add	11.00	
For Primer Tap, Add	15.10	
For Galvanized Cast Iron Parts, Add	105.00	
For Satin Finish Bronze Top, Deduct	-19.50	
22 13 19 13-0083 EA 7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 4" Outlet, Bronze Top.....	1,887.26	149.53
For Vandal Proof Screws, Add	11.00	
For Primer Tap, Add	15.10	
For Galvanized Cast Iron Parts, Add	105.00	
For Satin Finish Bronze Top, Deduct	-19.50	
<b>22 13 19 13-0084 Floor Drain With Sediment Bucket Bottom Outlet (22 13 19 13)</b>		
22 13 19 13-0085 EA 12-5/8" Round Floor Drain With Sediment Bucket, 2" Bottom Outlet, Satin Bronze Top, Without Trap.....	2,826.90	109.27
For Vandal Proof Screws, Add	30.50	
For Galvanized Cast Iron Parts, Add	247.00	
For Primer Tap, Add	33.50	
22 13 19 13-0086 EA 12-5/8" Round Floor Drain With Sediment Bucket, 3" Bottom Outlet, Satin Bronze Top, Without Trap.....	2,853.21	122.39
For Vandal Proof Screws, Add	30.50	
For Galvanized Cast Iron Parts, Add	247.00	
For Primer Tap, Add	33.50	
22 13 19 13-0087 EA 12-5/8" Round Floor Drain With Sediment Bucket, 4" Bottom Outlet, Satin Bronze Top, Without Trap.....	2,879.31	135.50
For Vandal Proof Screws, Add	30.50	
For Galvanized Cast Iron Parts, Add	247.00	
For Primer Tap, Add	33.50	
22 13 19 13-0088 EA 12-5/8" Round Floor Drain With Sediment Bucket, 5" Bottom Outlet, Satin Bronze Top, Without Trap.....	2,907.36	149.53
For Vandal Proof Screws, Add	30.50	
For Galvanized Cast Iron Parts, Add	247.00	
For Primer Tap, Add	33.50	
22 13 19 13-0089 EA 12-5/8" Round Floor Drain With Sediment Bucket, 6" Bottom Outlet, Satin Bronze Top, Without Trap.....	2,936.29	163.96
For Vandal Proof Screws, Add	30.50	
For Galvanized Cast Iron Parts, Add	247.00	
For Primer Tap, Add	33.50	
22 13 19 13-0090 EA 12" x 12" Floor Drain With Sediment Bucket, 2" Bottom Outlet, Nikaloy Top, Heavy Duty Loose-Set Cast Iron Grate.....	3,054.06	122.39
For Vandal Proof Screws, Add	29.50	
For Primer Tap, Add	31.00	
For Aluminum Bucket, Add	77.50	
For Galvanized Cast Iron Parts, Add	273.75	
22 13 19 13-0091 EA 12" x 12" Floor Drain With Sediment Bucket, 3" Bottom Outlet, Nikaloy Top, Heavy Duty Loose-Set Cast Iron Grate.....	3,080.45	135.60
For Vandal Proof Screws, Add	29.50	
For Primer Tap, Add	31.00	
For Aluminum Bucket, Add	77.50	
For Galvanized Cast Iron Parts, Add	273.75	
22 13 19 13-0092 EA 12" x 12" Floor Drain With Sediment Bucket, 4" Bottom Outlet, Nikaloy Top, Heavy Duty Loose-Set Cast Iron Grate.....	3,108.21	149.53
For Vandal Proof Screws, Add	29.50	
For Primer Tap, Add	31.00	
For Aluminum Bucket, Add	77.50	
For Galvanized Cast Iron Parts, Add	273.75	
22 13 19 13-0093 EA 12" x 12" Floor Drain With Sediment Bucket, 6" Bottom Outlet, Nikaloy Top, Heavy Duty Loose-Set Cast Iron Grate.....	3,137.14	163.96
For Vandal Proof Screws, Add	29.50	
For Primer Tap, Add	31.00	
For Aluminum Bucket, Add	77.50	
For Galvanized Cast Iron Parts, Add	273.75	
22 13 19 13-0094 EA 12" x 12" Floor Drain With Sediment Bucket, 2" Bottom Outlet, Cast Iron Top, Heavy Duty Loose-Set Cast Iron Grate.....	1,862.18	122.39
For Vandal Proof Screws, Add	29.50	
For Primer Tap, Add	31.00	
For Aluminum Bucket, Add	77.50	
For Galvanized Cast Iron Parts, Add	273.75	
22 13 19 13-0095 EA 12" x 12" Floor Drain With Sediment Bucket, 3" Bottom Outlet, Cast Iron Top, Heavy Duty Loose-Set Cast Iron Grate.....	1,888.57	135.60
For Vandal Proof Screws, Add	29.50	
For Primer Tap, Add	31.00	
For Aluminum Bucket, Add	77.50	
For Galvanized Cast Iron Parts, Add	273.75	
22 13 19 13-0096 EA 12" x 12" Floor Drain With Sediment Bucket, 4" Bottom Outlet, Cast Iron Top, Heavy Duty Loose-Set Cast Iron Grate.....	1,916.33	149.53
For Vandal Proof Screws, Add	29.50	
For Primer Tap, Add	31.00	
For Aluminum Bucket, Add	77.50	
For Galvanized Cast Iron Parts, Add	273.75	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0097 EA 12" x 12" Floor Drain With Sediment Bucket, 6" Bottom Outlet, Cast Iron Top, Heavy Duty Loose-Set Cast Iron Gate.....	1,945.26	163.96
For Vandal Proof Screws, Add	29.50	
For Primer Tap, Add	31.00	
For Aluminum Bucket, Add	77.50	
For Galvanized Cast Iron Parts, Add	273.75	
22 13 19 13-0098 EA 12" x 12" Floor Drain With Sediment Bucket, 2" Bottom Outlet, Bronze Top, Heavy Duty Loose-Set Cast Iron Gate.....	2,847.93	122.39
For Vandal Proof Screws, Add	29.50	
For Primer Tap, Add	31.00	
For Aluminum Bucket, Add	77.50	
For Galvanized Cast Iron Parts, Add	273.75	
22 13 19 13-0099 EA 12" x 12" Floor Drain With Sediment Bucket, 3" Bottom Outlet, Bronze Top, Heavy Duty Loose-Set Cast Iron Gate.....	2,874.32	135.60
For Vandal Proof Screws, Add	29.50	
For Primer Tap, Add	31.00	
For Aluminum Bucket, Add	77.50	
For Galvanized Cast Iron Parts, Add	273.75	
22 13 19 13-0100 EA 12" x 12" Floor Drain With Sediment Bucket, 4" Bottom Outlet, Bronze Top, Heavy Duty Loose-Set Cast Iron Gate.....	2,902.08	149.53
For Vandal Proof Screws, Add	29.50	
For Primer Tap, Add	31.00	
For Aluminum Bucket, Add	77.50	
For Galvanized Cast Iron Parts, Add	273.75	
22 13 19 13-0101 EA 12" x 12" Floor Drain With Sediment Bucket, 6" Bottom Outlet, Bronze Top, Heavy Duty Loose-Set Cast Iron Gate.....	2,931.01	163.96
For Vandal Proof Screws, Add	29.50	
For Primer Tap, Add	31.00	
For Aluminum Bucket, Add	77.50	
For Galvanized Cast Iron Parts, Add	273.75	
<b>22 13 19 13-0102 Other Drains (22 13 19 13)</b>		
<b>22 13 19 13-0103 Shower Drains (22 13 19 13-0102)</b>		
22 13 19 13-0104 EA 4-1/4" Stainless Steel Shower Drain Strainer.....	50.35	11.04
Note: Includes two 2-5/8" screws.		
22 13 19 13-0105 EA 4-1/4" Brass Shower Drain Strainer.....	56.26	11.04
Note: Includes two 2-5/8" screws.		
22 13 19 13-0106 EA 4" Brass Shower Drain For Polyvinyl Chloride (PVC) Pipe.....	115.22	22.08
Note: Fits over 2" polyvinyl chloride (PVC) pipe or inside 3" polyvinyl chloride (PVC) pipe.		
22 13 19 13-0107 EA 4" Chrome Finish, Threaded Brass Shower Drain And Gasket.....	149.18	22.08
Note: For 2" pipe. Kohler K-9132.		
<b>22 13 19 13-0108 Acid Resistant Floor Drains (22 13 19 13-0102)</b>		
22 13 19 13-0109 EA 9" Diameter Floor Drain With 2" Bottom Outlet, Acid Resistant Top.....	1,325.82	109.27
For Vandal Proof Screws, Add	30.50	
For Galvanized Cast Iron Parts, Add	87.50	
For Primer Tap, Add	33.50	
22 13 19 13-0110 EA 9" Diameter Floor Drain With 3" Bottom Outlet, Acid Resistant Top.....	1,352.13	122.39
For Vandal Proof Screws, Add	30.50	
For Galvanized Cast Iron Parts, Add	87.50	
For Primer Tap, Add	33.50	
22 13 19 13-0111 EA 9" Diameter Floor Drain With 4" Bottom Outlet, Acid Resistant Top.....	1,378.23	135.50
For Vandal Proof Screws, Add	30.50	
For Galvanized Cast Iron Parts, Add	87.50	
For Primer Tap, Add	33.50	
<b>22 13 19 13-0112 Rotary And Lever Drains (22 13 19 13-0102)</b>		
22 13 19 13-0113 EA 1-1/2" Drain, 3" Sink Opening Lever Drain.....	257.44	73.70
22 13 19 13-0114 EA 2" Drain, 3" Sink Opening Lever Drain.....	272.69	81.31
22 13 19 13-0115 EA 1-1/2" Drain, 3-1/2" Sink Opening Lever Drain.....	257.44	73.70
22 13 19 13-0116 EA 2" Drain, 3-1/2" Sink Opening Lever Drain.....	272.69	81.31
22 13 19 13-0117 EA 1-1/2" Drain, 3" Sink Opening Twist Drain.....	257.44	73.70
22 13 19 13-0118 EA 2" Drain, 3" Sink Opening Twist Drain.....	272.69	81.31
22 13 19 13-0119 EA 1-1/2" Drain, 3-1/2" Sink Opening Twist Drain.....	257.44	73.70
22 13 19 13-0120 EA 2" Drain, 3-1/2" Sink Opening Twist Drain.....	272.69	81.31
22 13 19 13-0121 EA 1-1/2" To 2" Drain, 3-1/2" Sink Opening Rotary Twist Drain (Fisher 16100).....	357.59	81.31
<b>22 13 19 13-0122 Floor Receptor (22 13 19 13)</b>		
<b>22 13 19 13-0123 9" Diameter Round Shallow Receptor (22 13 19 13-0122)</b>		
Note: With slotted medium duty grate, aluminum secondary strainer and white acid resisting coated interior and top.		
22 13 19 13-0124 EA 9" Diameter x 3" Shallow Cast Iron Floor Receptor, 2" Drain Connection.....	1,629.78	122.49
For Flange With Seepage Holes, Add	58.50	
For Flange With Seepage Holes And Clamp Collar, Add	97.00	
For Trap Primer Connection, Add	38.00	
For Full Grate With 2" Square Center Opening, Add	36.00	
For Vandal Proof Secured Grate, Add	33.50	
For White Acid Resistant Bucket, Add	47.00	
For Stainless Steel Liner For Bucket, Add	62.50	



<b>Plumbing</b>	<b>22</b>	<b>22</b>
<b>Plumbing Piping</b>	<b>22 10</b>	
<b>Facility Sanitary Sewerage</b>	<b>22 13</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0125 EA 9" Diameter x 3" Shallow Cast Iron Floor Receptor, 3" Drain Connection .....	1,656.29	135.70
For Flange With Seepage Holes, Add	58.50	
For Flange With Seepage Holes And Clamp Collar, Add	97.00	
For Trap Primer Connection, Add	38.00	
For Full Grate With 2" Square Center Opening, Add	36.00	
For Vandal Proof Secured Grate, Add	33.50	
For White Acid Resistant Bucket, Add	47.00	
For Stainless Steel Liner For Bucket, Add	62.50	
22 13 19 13-0126 EA 9" Diameter x 3" Shallow Cast Iron Floor Receptor, 4" Drain Connection .....	1,683.77	149.53
For Flange With Seepage Holes, Add	58.50	
For Flange With Seepage Holes And Clamp Collar, Add	97.00	
For Trap Primer Connection, Add	38.00	
For Full Grate With 2" Square Center Opening, Add	36.00	
For Vandal Proof Secured Grate, Add	33.50	
For White Acid Resistant Bucket, Add	47.00	
For Stainless Steel Liner For Bucket, Add	62.50	
<b>22 13 19 13-0127 Square Top Floor Receptors</b> (22 13 19 13-0122)		
Note: With acid resistant coating.		
22 13 19 13-0128 EA 8" x 8" Floor Drain With 1-1/2" Bottom Outlet, Acid Resistant Top .....	1,931.10	109.27
For Flange With Seepage Holes, Add	37.50	
For Flange With Seepage Holes And Clamp Collar, Add	69.00	
For Trap Primer Connection, Add	39.50	
For Full Grate With 2" Square Center Opening, Add	36.00	
For Vandal Proof Secured Grate, Add	15.50	
For White Acid Resistant Bucket, Add	88.00	
For Stainless Steel Liner For Bucket, Add	97.00	
22 13 19 13-0129 EA 8" x 8" Floor Drain With 2" Bottom Outlet, Acid Resistant Top .....	1,957.44	122.49
For Flange With Seepage Holes, Add	37.50	
For Flange With Seepage Holes And Clamp Collar, Add	69.00	
For Trap Primer Connection, Add	39.50	
For Full Grate With 2" Square Center Opening, Add	36.00	
For Vandal Proof Secured Grate, Add	15.50	
For White Acid Resistant Bucket, Add	88.00	
For Stainless Steel Liner For Bucket, Add	97.00	
22 13 19 13-0130 EA 8" x 8" Floor Drain With 3" Bottom Outlet, Acid Resistant Top .....	1,983.42	135.50
For Flange With Seepage Holes, Add	37.50	
For Flange With Seepage Holes And Clamp Collar, Add	69.00	
For Trap Primer Connection, Add	39.50	
For Full Grate With 2" Square Center Opening, Add	36.00	
For Vandal Proof Secured Grate, Add	15.50	
For White Acid Resistant Bucket, Add	88.00	
For Stainless Steel Liner For Bucket, Add	97.00	
22 13 19 13-0131 EA 8" x 8" Floor Drain With 4" Bottom Outlet, Acid Resistant Top .....	2,011.47	149.53
For Flange With Seepage Holes, Add	37.50	
For Flange With Seepage Holes And Clamp Collar, Add	69.00	
For Trap Primer Connection, Add	39.50	
For Full Grate With 2" Square Center Opening, Add	36.00	
For Vandal Proof Secured Grate, Add	15.50	
For White Acid Resistant Bucket, Add	88.00	
For Stainless Steel Liner For Bucket, Add	97.00	
<b>22 13 19 13-0132 Floor Drain Accessories</b> (22 13 19 13)		
22 13 19 13-0133 EA 3" Trap Guard Floor Drain Insert (ProVent TG3H).....	109.27	12.71
Note: Prevents emission of sewer gases.		
22 13 19 13-0134 EA 2" Trap Guard Drain Insert For Cast Iron Or Polyvinyl Chloride (PVC) Pipe (ProVent TG22) .....	88.31	12.71
Note: Prevents emission of sewer gases.		
22 13 19 13-0135 EA 3" Trap Guard Drain Insert For Cast Iron Or Polyvinyl Chloride (PVC) Pipe (ProVent TG33) .....	96.69	12.71
Note: Prevents emission of sewer gases.		
22 13 19 13-0136 EA 3" Trap Guard Drain Insert For 4" Cast Iron Or Polyvinyl Chloride (PVC) Pipe (ProVent TG34IP).....	117.66	12.71
Note: Prevents emission of sewer gases.		
22 13 19 13-0137 EA 3" Trap Guard Drain Insert For 4" Hub (ProVent TG34TP).....	105.08	12.71
Note: Prevents emission of sewer gases.		
22 13 19 13-0138 EA 2" Quad Close Trap Seal, For Drain Body Or Strainer Throat (JRSmith 2692-02) .....	151.43	12.71
Note: Prevents emission of sewer gases.		
22 13 19 13-0139 EA 3" Quad Close Trap Seal, For Drain Body Or Strainer Throat (JRSmith 2692-03) .....	168.30	12.71
Note: Prevents emission of sewer gases.		
22 13 19 13-0140 EA 4" Quad Close Trap Seal, For Drain Body Or Strainer Throat (JRSmith 2692-04) .....	210.17	12.71
Note: Prevents emission of sewer gases.		
<b>22 13 19 26 Grease Removal Devices</b> (22 13 19)		
22 13 19 26-0001 Manual Cleaning Epoxy Coated Steel Grease Interceptor (22 13 19 26)		
Note: Includes internal air relief, visible double wall trap, removable baffle, gasketed non-skid cover bearing PDI seal of approval and flow control fitting.		
22 13 19 26-0002 Standard Manual Cleaning Epoxy Coated Steel Grease Interceptor (22 13 19 26-0001)		
Note: Josam 60100H/60210A, Smith 8100/8400, Wade 5100, or Zurn Z1173/Z1170 series.		
22 13 19 26-0003 EA 7 GPM, 14 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor .....	1,283.26	76.24
Note: Josam 60102H.		
For Steel Enclosure Cabinet With Non-Skid Cover, Add	1,310.88	

**22 Plumbing**  
**22 10 Plumbing Piping**  
**22 13 Facility Sanitary Sewerage**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 26-0004	EA		10 GPM, 20 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor ..... Note: Josam 60103H. <i>For Flange And Clamp Device, Add</i>	1,497.72  374.52	171.54
22 13 19 26-0005	EA		15 GPM, 30 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor ..... Note: Josam 60104H. <i>For Steel Enclosure Cabinet With Non-Skid Cover, Add</i>	2,133.01  1,384.97	190.59
22 13 19 26-0006	EA		20 GPM, 40 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor ..... Note: Josam 60105H. <i>For Flange And Clamp Device, Add</i>	2,579.26  387.22	209.65
22 13 19 26-0007	EA		25 GPM, 50 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor ..... Note: Josam 60106H. <i>For Steel Enclosure Cabinet With Non-Skid Cover, Add</i>	2,888.59  1,512.51	228.71
22 13 19 26-0008	EA		35 GPM, 70 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor ..... Note: Josam 60107H. <i>For Flange And Clamp Device, Add</i>	3,549.30  443.03	266.83
22 13 19 26-0009	EA		50 GPM, 100 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor ..... Note: Josam 60108H. <i>For Steel Enclosure Cabinet With Non-Skid Cover, Add</i>	4,635.89  1,872.59	304.94
22 13 19 26-0010	EA		75 GPM, 150 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor ..... Note: Josam 60109H. <i>For Flange And Clamp Device, Add</i>	9,149.26  772.71	343.06
22 13 19 26-0011	EA		100 GPM, 200 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor ..... Note: Josam 60110H. <i>For Steel Enclosure Cabinet With Non-Skid Cover, Add</i>	10,360.22  898.95	436.43
22 13 19 26-0012	EA		150 GPM, 300 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor ..... Note: Josam 60213A. <i>For Flange And Clamp Device, Add</i>	12,765.71  1,233.53	698.29
22 13 19 26-0013	EA		200 GPM, 400 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor ..... Note: Josam 60214A. <i>For Steel Enclosure Cabinet With Non-Skid Cover, Add</i>	18,332.37  1,479.19	872.85
22 13 19 26-0014	EA		250 GPM, 500 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor ..... Note: Josam 60215A. <i>For Flange And Clamp Device, Add</i>	21,382.00  1,908.52	1,047.42
22 13 19 26-0015	EA		350 GPM, 700 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor ..... Note: Josam 60216A. <i>For Steel Enclosure Cabinet With Non-Skid Cover, Add</i>	27,797.55  2,262.66	1,221.99
22 13 19 26-0016	EA		500 GPM, 1,000 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor ..... Note: Josam 60217A. <i>For Flange And Clamp Device, Add</i>	35,982.62  2,652.32	1,396.56
22 13 19 26-0017			<b>Low Profile Manual Cleaning Epoxy Coated Steel Grease Interceptor</b> <small>(22 13 19 26-0001)</small> Note: Josam 60110A, Smith 8100, Wade 5100LR, or Zurn Z1171 series.		
22 13 19 26-0018	EA		20 GPM, 40 LB Capacity Low Profile Manual Cleaning Epoxy Coated Steel Grease Interceptor..... Note: Josam 60115A.	3,726.58	209.65
22 13 19 26-0019	EA		35 GPM, 70 LB Capacity Low Profile Manual Cleaning Epoxy Coated Steel Grease Interceptor..... Note: Josam 60117A.	4,794.40	266.83
22 13 19 26-0020	EA		50 GPM, 100 LB Capacity Low Profile Manual Cleaning Epoxy Coated Steel Grease Interceptor..... Note: Smith 8150.	7,927.20	304.94
22 13 19 26-0021			<b>Semi Automatic Cleaning Epoxy Coated Steel Grease Interceptor</b> <small>(22 13 19 26)</small> Note: Includes internal air relief, visible double wall trap, removable baffle, gasketed non-skid cover bearing PDI seal of approval, grease recovery cone, flexible hose, grease draw off valve and flow control fitting.		
22 13 19 26-0022			<b>Standard Semi Automatic Cleaning Epoxy Coated Steel Grease Interceptor</b> <small>(22 13 19 26-0021)</small> Note: Josam 60100-SA, Smith 8300GTX, Wade 5100JXC, or Zurn Z1173-TD series.		
22 13 19 26-0023	EA		7 GPM, 14 LB Capacity Semi Automatic Epoxy Coated Steel Grease Interceptor ..... Note: Josam 60102-SA. <i>For Steel Enclosure Cabinet With Non-Skid Cover, Add</i>	3,279.49  1,310.88	76.24
22 13 19 26-0024	EA		10 GPM, 20 LB Capacity Semi Automatic Epoxy Coated Steel Grease Interceptor ..... Note: Josam 60103-SA. <i>For Steel Enclosure Cabinet With Non-Skid Cover, Add</i>	3,857.55  1,384.97	171.54
22 13 19 26-0025	EA		15 GPM, 30 LB Capacity Semi Automatic Epoxy Coated Steel Grease Interceptor ..... Note: Josam 60104-SA. <i>For Steel Enclosure Cabinet With Non-Skid Cover, Add</i>	4,120.54  1,512.51	190.59
22 13 19 26-0026	EA		20 GPM, 40 LB Capacity Semi Automatic Epoxy Coated Steel Grease Interceptor ..... Note: Josam 60105-SA. <i>For Steel Enclosure Cabinet With Non-Skid Cover, Add</i>	5,031.80  1,634.62	209.65
22 13 19 26-0027	EA		25 GPM, 50 LB Capacity Semi Automatic Epoxy Coated Steel Grease Interceptor ..... Note: Josam 60106-SA. <i>For Steel Enclosure Cabinet With Non-Skid Cover, Add</i>	6,069.08  1,701.99	228.71
22 13 19 26-0028	EA		35 GPM, 70 LB Capacity Semi Automatic Epoxy Coated Steel Grease Interceptor ..... Note: Josam 60107-SA. <i>For Steel Enclosure Cabinet With Non-Skid Cover, Add</i>	6,271.29  1,872.59	266.83
22 13 19 26-0029	EA		50 GPM, 100 LB Capacity Semi Automatic Epoxy Coated Steel Grease Interceptor ..... Note: Josam 60108-SA. <i>For Steel Enclosure Cabinet With Non-Skid Cover, Add</i>	7,158.70  1,996.14	304.94



<b>Plumbing</b>	<b>22</b>	<b>22</b>
<b>Plumbing Piping</b>	<b>22 10</b>	
<b>Facility Sanitary Sewerage</b>	<b>22 13</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>22 13 19 26-0030</b> <b>Low Profile Semi Automatic Cleaning Epoxy Coated Steel Grease Interceptor</b> <small>(22 13 19 26-0021)</small>		
Note: Josam 60115A-SA, Smith 8100GTX, or Zurn Z1171-TD series.		
22 13 19 26-0031    EA    35 GPM, 70 LB Capacity Low Profile Semi Automatic Epoxy Coated Steel Grease Interceptor .....	8,438.46	266.83
Note: Josam 60115A-SA.		
<b>22 13 19 26-0032</b> <b>Automatic Cleaning Stainless Steel Grease Interceptor</b> <small>(22 13 19 26)</small>		
22 13 19 26-0033    EA    20 GPM, 69 LB Capacity Automatic Cleaning Stainless Steel Grease Interceptor .....	7,169.36	209.65
Note: Includes stainless steel screen basket, plastic grease container with lid and control box with digital timer (Low Engineering 20 Greasestopper).		
22 13 19 26-0034    EA    25 GPM, 91 LB Capacity Automatic Cleaning Stainless Steel Grease Interceptor .....	8,344.22	228.71
Note: Includes stainless steel screen basket, plastic grease container with lid and control box with digital timer (Low Engineering 25 Greasestopper).		
22 13 19 26-0035    EA    35 GPM, 70 LB Capacity, 110 Volt, Automatic Cleaning Stainless Steel Grease Trap/Removal Device (Guardian GGX35) .....	7,140.25	266.83
<b>22 13 19 26-0036</b> <b>Precast Concrete Grease Interceptor</b> <small>(22 13 19 26)</small>		
Note: Includes two access manholes, cast iron non-skid surface, lift hole, frame and cover for heavy-traffic.		
22 13 19 26-0037    EA    1,000 Gallon Pre-Cast Grease Interceptor .....	5,836.05	394.87
22 13 19 26-0038    EA    1,250 Gallon Pre-Cast Grease Interceptor .....	6,682.61	394.87
22 13 19 26-0039    EA    1,500 Gallon Pre-Cast Grease Interceptor .....	7,584.35	451.44
22 13 19 26-0040    EA    2,000 Gallon Pre-Cast Grease Interceptor .....	8,619.08	637.54
22 13 19 26-0041    EA    2,500 Gallon Pre-Cast Grease Interceptor .....	9,691.28	857.77
22 13 19 26-0042    EA    4,000 Gallon Pre-Cast Grease Interceptor .....	14,550.81	1,128.54
22 13 19 26-0043    EA    5,000 Gallon Pre-Cast Grease Interceptor .....	18,642.87	1,850.63
<b>22 13 19 26-0044</b> <b>Coated Steel Manual Oil Interceptor</b> <small>(22 13 19 26)</small>		
Note: Includes internal air relief, and flow control fitting.		
22 13 19 26-0045    EA    10 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off .....	10,059.47	290.29
22 13 19 26-0046    EA    15 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off .....	13,693.82	344.94
22 13 19 26-0047    EA    20 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off .....	16,564.76	424.41
22 13 19 26-0048    EA    25 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off .....	17,989.07	459.73
22 13 19 26-0049    EA    35 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off .....	21,757.01	501.67
22 13 19 26-0050    EA    50 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off .....	29,016.18	551.90
22 13 19 26-0051    EA    75 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off .....	49,612.69	635.31
22 13 19 26-0052    EA    100 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off .....	53,977.09	781.68
22 13 19 26-0053    EA    150 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off .....	66,616.00	847.25
22 13 19 26-0054    EA    200 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off .....	93,757.45	1,016.48
22 13 19 26-0055    EA    250 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off .....	108,399.11	1,092.72
22 13 19 26-0056    EA    350 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off .....	136,830.47	1,303.14
22 13 19 26-0057    EA    400 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off .....	166,776.23	1,067.82
22 13 19 26-0058    EA    500 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off .....	197,547.06	1,270.61
<b>22 13 19 33</b> <b>Backwater Valves</b> <small>(22 13 19)</small>		
<b>22 13 19 33-0001</b> <b>Cast Iron Body Terminal Backwater Valves</b> <small>(22 13 19 33)</small>		
22 13 19 33-0002    EA    2" Cast Iron Body Terminal Backwater Valve .....	437.54	29.17
22 13 19 33-0003    EA    3" Cast Iron Body Terminal Backwater Valve .....	448.72	36.69
22 13 19 33-0004    EA    4" Cast Iron Body Terminal Backwater Valve .....	647.23	48.79
22 13 19 33-0005    EA    6" Cast Iron Body Terminal Backwater Valve .....	1,741.69	67.38
22 13 19 33-0006    EA    8" Cast Iron Body Terminal Backwater Valve .....	2,129.72	88.67
22 13 19 33-0007    EA    10" Cast Iron Body Terminal Backwater Valve .....	6,165.51	109.39
22 13 19 33-0008    EA    12" Cast Iron Body Terminal Backwater Valve .....	6,984.03	141.88
<b>22 13 19 33-0009</b> <b>Cast Iron Backwater Sewer Line Valve</b> <small>(22 13 19 33)</small>		
Note: Offset type with bronze swing check assembly, threaded bronze cover, and bell and spigot connections.		
22 13 19 33-0010    EA    2" Backwater Sewer Valve, Cast Iron, Offset Type With Bronze Swing Check Assembly .....	1,082.72	69.54
22 13 19 33-0011    EA    3" Backwater Sewer Valve, Cast Iron, Offset Type With Bronze Swing Check Assembly .....	1,649.58	84.37
22 13 19 33-0012    EA    4" Backwater Sewer Valve, Cast Iron, Offset Type With Bronze Swing Check Assembly .....	2,040.61	108.77
22 13 19 33-0013    EA    6" Backwater Sewer Valve, Cast Iron, Offset Type With Bronze Swing Check Assembly .....	2,862.75	122.41
22 13 19 33-0014    EA    8" Backwater Sewer Valve, Cast Iron, Offset Type With Bronze Swing Check Assembly .....	3,968.50	145.05
<b>22 13 19 33-0015</b> <b>Cast Iron, Straight Through Shear Gate, Swing Check Backwater Valve</b> <small>(22 13 19 33)</small>		
Note: Offset type with bronze, manually operated shear gate, non-rising stem, and bell and spigot connections.		
22 13 19 33-0016    EA    3" Cast Iron Body, Straight Through Shear Gate, Swing Check Backwater Valve .....	2,939.94	110.09
22 13 19 33-0017    EA    4" Cast Iron Body, Straight Through Shear Gate, Swing Check Backwater Valve .....	2,994.41	146.37
22 13 19 33-0018    EA    5" Cast Iron Body, Straight Through Shear Gate, Swing Check Backwater Valve .....	4,358.15	181.30
22 13 19 33-0019    EA    6" Cast Iron Body, Straight Through Shear Gate, Swing Check Backwater Valve .....	4,389.66	202.12
<b>22 13 19 33-0020</b> <b>Polyvinyl Chloride (PVC) Backwater Sewer Line Valve</b> <small>(22 13 19 33)</small>		
Note: Oatey.		
22 13 19 33-0021    EA    3" Polyvinyl Chloride (PVC) Backwater Sewer Valve (Oatey 43900) .....	137.01	36.69



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 33-0022 EA 4" Polyvinyl Chloride (PVC) Backwater Sewer Valve (Oatey 43904).....	163.59	48.79
22 13 19 33-0023 EA 6" Polyvinyl Chloride (PVC) Backwater Sewer Valve (Oatey 43908).....	486.48	67.38
<b>22 13 19 33-0024 Polyvinyl Chloride (PVC) Extendable Backwater Valves (22 13 19 33)</b>		
22 13 19 33-0025 EA 3" Polyvinyl Chloride (PVC) Extendable Backwater Sewer Valve (Rectorseal Clean Check)..... Note: Includes valve body, flapper assembly and collar.	324.39	73.39
22 13 19 33-0026 EA 4" Polyvinyl Chloride (PVC) Extendable Backwater Sewer Valve (Rectorseal Clean Check)..... Note: Includes valve body, flapper assembly and collar.	431.97	97.58
22 13 19 33-0027 EA 6" Polyvinyl Chloride (PVC) Extendable Backwater Sewer Valve (Rectorseal Clean Check)..... Note: Includes valve body, flapper assembly and collar.	748.87	134.74
<b>22 13 19 36 Air-Admittance Valves (22 13 19)</b>		
<b>22 13 19 36-0001 Acrylonitrile Butadiene Styrene (ABS) And Polyvinyl Chloride (PVC) Automatic Drain Vent (22 13 19 36)</b>		
22 13 19 36-0002 EA 1-1/4", 1-1/2" And 2" Acrylonitrile Butadiene Styrene (ABS) Or Polyvinyl Chloride (PVC) Automatic Drain Vent, Mini Vent.....	276.77	14.23
22 13 19 36-0003 EA 2", 3" And 4" Acrylonitrile Butadiene Styrene (ABS) Or Polyvinyl Chloride (PVC) Automatic Drain Vent, Maxi Vent.....	332.13	14.23
<b>22 13 23 Sanitary Waste Interceptors (22 13)</b>		
<b>22 13 23 00-0001 Sediment Bucket Solids Interceptors (22 13 23)</b>		
22 13 23 00-0002 EA 1-1/2" Or 2" Top Access, 15 GPM, Composite With Removable PVC Sediment Bucket Solids Interceptor (Zum 1180)..... Note: Replaces P-Trap. Recovers all types of solids from precious metal particles, plaster, clay or similar materials.	1,266.72	143.94
22 13 23 00-0003 EA 1-1/2" Or 2" Bottom Access, 15 GPM, Composite With Removable PVC Sediment Bucket Solids Interceptor (Zum 1184)..... Note: Replaces P-Trap. Recovers all types of solids from precious metal particles, plaster, clay or similar materials.	1,268.32	143.94
22 13 23 00-0004 EA 1-1/2" Or 2" Top Access, Acid Resistant Coated Steel (Inside And Outside), Aluminum Cover, Removable Stainless Steel Sediment Bucket Solids Interceptor (Jay R. Smith 8714 ARI0)..... Note: On floor mount. Replaces P-Trap. Recovers all types of solids from precious metal particles, plaster, clay or similar materials.	1,787.85	143.94
22 13 23 00-0005 EA 1-1/2" Or 2" Bottom Access, 15 GPM, Acid Resistant Coated Cast Iron, Aluminum Strainer, Removable Stainless Steel Screens, Sediment Bucket Solids Interceptor (Jay R. Smith 8730-ARI0)..... Note: Replaces P-Trap. Recovers all types of solids from precious metal particles, plaster, clay or similar materials.	1,787.85	143.94
22 13 23 00-0006 EA 1-1/2" Or 2" Top Access, Acid Resistant Coated Cast Aluminum (Inside And Outside) Removable Stainless Steel Screen, Sediment Bucket Solids Interceptor (Josam 61030)..... Note: Replaces P-Trap. Recovers all types of solids from precious metal particles, plaster, clay or similar materials.	1,905.47	143.94
<b>22 13 23 00-0007 Solid Interceptors, Cast Iron With Internal Deep Seal Trap (22 13 23)</b>		
22 13 23 00-0008 EA 1-1/2" Inlet Cast Iron Solid Interceptor, Painted Enamel..... <i>For Stainless Steel Bucket, Add</i>	321.00 175.00	49.23
22 13 23 00-0009 EA 2" Inlet Cast Iron Solid Interceptor, Painted Enamel..... <i>For Stainless Steel Bucket, Add</i>	327.29 175.00	52.43
<b>22 13 23 00-0010 Sediment Strainers (22 13 23)</b>		
22 13 23 00-0011 EA 2" Strainer, Pump Suction Side.....	160.53	67.07
<b>22 13 29 Sanitary Sewerage Pumps (22 13)</b>		
Note: Includes extra set of gaskets, bearings and seals.		
<b>22 13 29 13 Wet-Pit-Mounted, Vertical Sewerage Pumps (22 13 29)</b>		
<b>22 13 29 13-0001 Vertical Column, Flanged Discharge, Non-Clog Sump Or Drainage Pumps (Crane-DeMing Series 4500) (22 13 29 13)</b>		
Note: Mounted on steel support plate. Excludes float and float switch, and sump cover See CSI section 22 13 29 13-0030 for float and float switch, 22 13 29 13-0034 for sump cover.		
<b>22 13 29 13-0002 1-1/2" Solids 1,750 RPM Vertical Sump Or Drainage Pumps (22 13 29 13-0001)</b>		
22 13 29 13-0003 EA 1/2 HP, Up To 75 GPM Sump Or Drainage Pump, Vertical Non-Clog, 2-1/2" Discharge Pipe, 1,750 RPM .....	7,328.04	1,219.38
22 13 29 13-0004 EA 3/4 HP, Up To 125 GPM Sump Or Drainage Pump, Vertical Non-Clog, 2-1/2" Discharge Pipe, 1,750 RPM .....	7,628.56	1,219.38
22 13 29 13-0005 EA 1 HP, Up To 150 GPM Sump Or Drainage Pump, Vertical Non-Clog, 2-1/2" Discharge Pipe, 1,750 RPM .....	7,929.08	1,219.38
22 13 29 13-0006 EA 1-1/2 HP, Up To 150 GPM Sump Or Drainage Pump, Vertical Non-Clog, 2-1/2" Discharge Pipe, 1,750 RPM .....	8,215.73	1,219.38
<b>22 13 29 13-0007 2" Solids 1,750 RPM Vertical Sump Or Drainage Pumps (22 13 29 13-0001)</b>		
22 13 29 13-0008 EA 3/4 HP, Up To 75 GPM Sump Or Drainage Pump, Vertical Non-Clog, 3" Discharge Pipe, 1,750 RPM.....	8,160.25	1,219.38
22 13 29 13-0009 EA 1 HP, Up To 100 GPM Sump Or Drainage Pump, Vertical Non-Clog, 3" Discharge Pipe, 1,750 RPM.....	8,275.83	1,219.38
22 13 29 13-0010 EA 2 HP, Up To 200 GPM Sump Or Drainage Pump, Vertical Non-Clog, 3" Discharge Pipe, 1,750 RPM.....	8,356.74	1,219.38
22 13 29 13-0011 EA 3 HP, Up To 300 GPM Sump Or Drainage Pump, Vertical Non-Clog, 3" Discharge Pipe, 1,750 RPM.....	8,911.55	1,219.38
22 13 29 13-0012 EA 5 HP, Up To 400 GPM Sump Or Drainage Pump, Vertical Non-Clog, 3" Discharge Pipe, 1,750 RPM.....	9,454.80	1,219.38
22 13 29 13-0013 EA 7-1/2 HP, Up To 500 GPM Sump Or Drainage Pump, Vertical Non-Clog, 3" Discharge Pipe, 1,750 RPM .....	10,287.01	1,219.38
22 13 29 13-0014 EA 10 HP, Up To 600 GPM Sump Or Drainage Pump, Vertical Non-Clog, 3" Discharge Pipe, 1,750 RPM.....	11,119.22	1,219.38





<b>Plumbing</b>	<b>22</b>	<b>22</b>
<b>Plumbing Piping</b>	<b>22 10</b>	
<b>Facility Sanitary Sewerage</b>	<b>22 13</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 29 13-0015 EA 15 HP, Up To 600 GPM Sump Or Drainage Pump, Vertical Non-Clog, 3" Discharge Pipe, 1,750 RPM .....	12,758.14	1,622.72
<b>22 13 29 13-0016 3" Solids 1,750 RPM Vertical Sump Or Drainage Pumps</b> <small>(22 13 29 13-0001)</small>		
22 13 29 13-0017 EA 2 HP, Up To 300 GPM Sump Or Drainage Pump, Vertical Non-Clog, 4" Discharge Pipe, 1,750 RPM .....	8,739.40	1,219.38
22 13 29 13-0018 EA 3 HP, Up To 400 GPM Sump Or Drainage Pump, Vertical Non-Clog, 4" Discharge Pipe, 1,750 RPM .....	8,739.40	1,219.38
22 13 29 13-0019 EA 5 HP, Up To 500 GPM Sump Or Drainage Pump, Vertical Non-Clog, 4" Discharge Pipe, 1,750 RPM .....	8,939.66	1,219.38
22 13 29 13-0020 EA 7-1/2 HP, Up To 700 GPM Sump Or Drainage Pump, Vertical Non-Clog, 4" Discharge Pipe, 1,750 RPM .....	10,493.49	1,219.38
22 13 29 13-0021 EA 10 HP, Up To 800 GPM Sump Or Drainage Pump, Vertical Non-Clog, 4" Discharge Pipe, 1,750 RPM .....	10,766.06	1,219.38
22 13 29 13-0022 EA 15 HP, Up To 900 GPM Sump Or Drainage Pump, Vertical Non-Clog, 4" Discharge Pipe, 1,750 RPM .....	12,854.02	1,622.72
22 13 29 13-0023 EA 20 HP, Up To 900 GPM Sump Or Drainage Pump, Vertical Non-Clog, 4" Discharge Pipe, 1,750 RPM .....	13,547.53	1,622.72
<b>22 13 29 13-0024 Extra Column Assemblies Addition, 5' Or Less</b> <small>(22 13 29 13-0001)</small>		
22 13 29 13-0025 EA 2-1/2" Diameter x 5' Long Extra Column Assembly For vertical sewage pumps.....	544.22	
22 13 29 13-0026 EA 3" Diameter x 5' Long Extra Column Assembly For vertical sewage pumps.....	653.44	
22 13 29 13-0027 EA 4" Diameter x 5' Long Extra Column Assembly For vertical sewage pumps.....	730.37	
22 13 29 13-0028 EA 5" Diameter x 5' Long Extra Column Assembly For vertical sewage pumps.....	743.67	
22 13 29 13-0029 EA 6" Diameter x 5' Long Extra Column Assembly For vertical sewage pumps.....	834.84	
<b>22 13 29 13-0030 Float Switches</b> <small>(22 13 29 13-0001)</small>		
Note: Copper coated floats, brass rods and stops and switch brackets.		
22 13 29 13-0031 EA Float Switch Copper Coated Float, Add, General Purpose For vertical sewage pumps .....	489.13	
22 13 29 13-0032 EA Float Switch Copper Coated Float, Add, Weather Proof For vertical sewage pumps.....	513.82	
22 13 29 13-0033 EA Float Switch Copper Coated Float, Add, Explosion Proof For vertical sewage pumps.....	525.22	
<b>22 13 29 13-0034 Square Or Round Steel Sump Covers</b> <small>(22 13 29 13-0001)</small>		
22 13 29 13-0035 EA 24" Steel Sump Covers, Square Or Round.....	885.45	40.66
22 13 29 13-0036 EA 30" Steel Sump Covers, Square Or Round.....	980.09	45.74
22 13 29 13-0037 EA 36" Steel Sump Covers, Square Or Round.....	1,361.15	60.99
22 13 29 13-0038 EA 40" Steel Sump Covers, Square Or Round.....	1,983.49	71.16
22 13 29 13-0039 EA 42" Steel Sump Covers, Square Or Round.....	2,127.72	73.70
22 13 29 13-0040 EA 48" Steel Sump Covers, Square Or Round.....	2,276.22	76.24
22 13 29 13-0041 EA 54" Steel Sump Covers, Square Or Round.....	2,902.24	91.48
22 13 29 13-0042 EA 60" Steel Sump Covers, Square Or Round.....	3,942.14	101.65
22 13 29 13-0043 EA 72" Steel Sump Covers, Square Or Round.....	4,999.30	127.07
22 13 29 13-0044 EA 84" Steel Sump Covers, Square Or Round.....	6,365.26	139.76
<b>22 13 29 16 Submersible Sewerage Pumps</b> <small>(22 13 29)</small>		
<b>22 13 29 16-0001 Submersible Sewage Pumps With Vortex Impeller</b> <small>(22 13 29 16)</small>		
<b>22 13 29 16-0002 Submersible Single Seal Sewage Pumps With Cast Iron Vortex Impeller</b> <small>(22 13 29 16-0001)</small>		
Note: Includes 25' cord.		
22 13 29 16-0003 EA 1/2 HP Manual Submersible Single Seal Sewage Pump, 115 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller .....	1,524.75	73.95
22 13 29 16-0004 EA 1/2 HP Automatic Submersible Single Seal Sewage Pump, 115 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller .....	1,627.59	73.95
22 13 29 16-0005 EA 1/2 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller .....	1,595.95	73.95
22 13 29 16-0006 EA 1/2 HP Automatic Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller .....	1,747.57	73.95
22 13 29 16-0007 EA 1/2 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller .....	1,747.57	73.95
22 13 29 16-0008 EA 1 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller .....	1,842.33	92.44
22 13 29 16-0009 EA 1 HP Automatic Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller .....	1,976.81	92.44
22 13 29 16-0010 EA 1 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller .....	1,993.96	92.44
<b>22 13 29 16-0011 Submersible Single Seal Sewage Pumps With Bronze Vortex Impeller</b> <small>(22 13 29 16-0001)</small>		
Note: Includes 20' cord.		
22 13 29 16-0012 EA 1/2 HP Manual Submersible Single Seal Sewage Pump, 115 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller .....	1,553.75	73.95
22 13 29 16-0013 EA 1/2 HP Automatic Submersible Single Seal Sewage Pump, 115 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller .....	1,701.43	73.95
22 13 29 16-0014 EA 1/2 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller .....	1,631.55	73.95
22 13 29 16-0015 EA 1/2 HP Automatic Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller .....	1,773.94	73.95
22 13 29 16-0016 EA 1/2 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller .....	1,901.84	73.95
22 13 29 16-0017 EA 1 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller .....	1,760.58	92.44
22 13 29 16-0018 EA 1 HP Automatic Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller .....	1,913.53	92.44



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 29 16-0019	EA	1 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller .....	1,912.21	92.44
22 13 29 16-0020	EA	1-1/2 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller .....	2,172.71	149.01
22 13 29 16-0021	EA	1-1/2 HP Automatic Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller .....	2,301.92	149.01
22 13 29 16-0022	EA	1-1/2 HP Automatic Submersible Single Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller .....	2,324.34	149.01
22 13 29 16-0023	EA	2 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller .....	2,313.42	182.13
22 13 29 16-0024	EA	2 HP Automatic Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller .....	2,461.09	182.13
22 13 29 16-0025	EA	2 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller .....	2,465.04	182.13
<b>22 13 29 16-0026</b>		<b>Submersible Double Seal Sewage Pumps With Bronze Vortex Impeller</b> <small>(22 13 29 16-0001)</small>		
		Note: Includes 20' cord.		
22 13 29 16-0027	EA	1/2 HP Manual Submersible Double Seal Sewage Pump, 115 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller .....	1,849.10	73.95
22 13 29 16-0028	EA	1/2 HP Manual Submersible Double Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller .....	2,099.61	73.95
22 13 29 16-0029	EA	1 HP Manual Submersible Double Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron And Bronze Impeller .....	2,041.42	92.44
22 13 29 16-0030	EA	1 HP Manual Submersible Double Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron And Bronze Impeller .....	2,193.05	92.44
22 13 29 16-0031	EA	1-1/2 HP Manual Submersible Double Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller .....	2,474.65	149.01
22 13 29 16-0032	EA	1-1/2 HP Manual Submersible Double Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller .....	2,626.27	149.01
22 13 29 16-0033	EA	2 HP Manual Submersible Double Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller .....	2,616.67	182.13
22 13 29 16-0034	EA	2 HP Manual Submersible Double Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller .....	2,768.30	182.13
<b>22 13 29 16-0035</b>		<b>Submersible Sewage Pumps With Semi-Open Impeller</b> <small>(22 13 29 16)</small>		
		Note: Includes 25' of cord with pump.		
22 13 29 16-0036	EA	1 HP Manual Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller .....	4,545.72	92.44
22 13 29 16-0037	EA	1.5 HP Manual Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller .....	4,843.46	154.51
22 13 29 16-0038	EA	2 HP Manual Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller .....	5,177.73	188.84
22 13 29 16-0039	EA	3 HP Manual Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller .....	5,405.67	228.90
22 13 29 16-0040	EA	5 HP Manual Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller .....	6,062.51	268.96
22 13 29 16-0041	EA	7.5 HP Manual Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller .....	6,769.52	309.01
<b>22 13 29 16-0042</b>		<b>Submersible Sewage Pumps, Explosion Proof</b> <small>(22 13 29 16)</small>		
		Note: Includes 25' of cord with pump.		
22 13 29 16-0043	EA	1 HP Explosion Proof Manual Sewage Pump, 230 Volt, 1 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller .....	7,146.56	331.28
22 13 29 16-0044	EA	1 HP Explosion Proof Manual Sewage Pump, 230 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller .....	6,587.19	331.28
22 13 29 16-0045	EA	1 HP Explosion Proof Manual Sewage Pump, 460 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller .....	6,587.19	331.28
22 13 29 16-0046	EA	1.5 HP Explosion Proof Manual Sewage Pump, 230 Volt, 1 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller .....	7,474.63	441.70
22 13 29 16-0047	EA	1.5 HP Explosion Proof Manual Sewage Pump, 230 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller .....	6,915.26	441.70
22 13 29 16-0048	EA	1.5 HP Explosion Proof Manual Sewage Pump, 460 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller .....	6,915.26	441.70
22 13 29 16-0049	EA	2 HP Explosion Proof Manual Sewage Pump, 230 Volt, 1 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller .....	7,918.06	552.13
22 13 29 16-0050	EA	2 HP Explosion Proof Manual Sewage Pump, 230 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller .....	7,358.69	552.13
22 13 29 16-0051	EA	2 HP Explosion Proof Manual Sewage Pump, 460 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller .....	7,358.69	552.13
22 13 29 16-0052	EA	3 HP Explosion Proof Manual Sewage Pump, 230 Volt, 1 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller .....	8,253.12	662.55
22 13 29 16-0053	EA	3 HP Explosion Proof Manual Sewage Pump, 230 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller .....	7,693.75	662.55
22 13 29 16-0054	EA	3 HP Explosion Proof Manual Sewage Pump, 460 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller .....	7,693.75	662.55
22 13 29 16-0055	EA	5 HP Explosion Proof Manual Sewage Pump, 230 Volt, 1 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller .....	9,109.08	772.98
22 13 29 16-0056	EA	5 HP Explosion Proof Manual Sewage Pump, 230 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller .....	8,549.71	772.98



	<b>Plumbing</b>	<b>22</b>
	<b>Plumbing Piping</b>	<b>22 10</b>
	<b>Facility Sanitary Sewerage</b>	<b>22 13</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 29 16-0057 EA 5 HP Explosion Proof Manual Sewage Pump, 460 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller.....	8,549.71	772.98
22 13 29 16-0058 EA 7.5 HP Explosion Proof Manual Sewage Pump, 230 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller.....	9,418.51	883.41
22 13 29 16-0059 EA 7.5 HP Explosion Proof Manual Sewage Pump, 460 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller.....	9,418.51	883.41
<b>22 13 29 16-0060 Submersible Sewage Pump Accessories (22 13 29 16)</b>		
22 13 29 16-0061 EA Simplex Plug In Pump Control Panel with Alarm Float Only, 115 Volt, 1 Phase, 0-15 Amperes Range, Indoor/Outdoor, NEMA 4X Enclosure For Submersible Sewage Pump..... Note: Includes alarm horn, warning light and alarm float switch.	706.14	67.74
22 13 29 16-0062 EA Simplex Plug In Pump Control Panel with Alarm Float Only, 230 Volt, 1 Phase, 0-15 Amperes Range, Indoor/Outdoor, NEMA 4X Enclosure For Submersible Sewage Pump..... Note: Includes alarm horn, warning light, and alarm float switch.	731.34	67.74
22 13 29 16-0063 EA Simplex Control Panel With 3 Floats, 115/208/230 Volt, 1 Phase, 0-20 Amperes Range, Indoor/Outdoor, NEMA 4X Enclosure For Submersible Sewage Pump..... Note: Includes alarm horn, warning light, HOA switch and three 20' control float switches.	1,480.69	90.33
22 13 29 16-0064 EA Simplex Control Panel 208/230/460 Volt, 3 Phase, 1-23 Amperes Range, Indoor/Outdoor, NEMA 4X Enclosure For Submersible Sewage Pump..... Note: Includes alarm horn and warning light. Control float switches not included.	2,125.68	90.33
22 13 29 16-0065 EA Simplex Intrinsically Safe Control Panel, 230 Volt, 1 Phase, Indoor/Outdoor 4X Enclosure For Submersible Sewage Pumps With Explosion Proof Motors..... Note: Includes alarm horn and warning light. Control float switches not included.	4,457.10	90.33
22 13 29 16-0066 EA Simplex Intrinsically Safe Control Panel, 200/230/460 Volt, 3 Phase, Indoor/Outdoor 4X Enclosure For Submersible Sewage Pumps With Explosion Proof Motors..... Note: Includes alarm horn and warning light. Control float switches not included.	4,666.08	90.33
22 13 29 16-0067 EA Duplex Intrinsically Safe Control Panel, 230 Volt, 1 Phase, Indoor/Outdoor 4X Enclosure For Submersible Sewage Pumps With Explosion Proof Motors..... Note: Includes alarm horn and warning light. Control float switches not included.	7,479.57	112.90
22 13 29 16-0068 EA Duplex Intrinsically Safe Control Panel, 200/230/460 Volt, 3 Phase, Indoor/Outdoor 4X Enclosure For Submersible Sewage Pumps With Explosion Proof Motors..... Note: Includes alarm horn and warning light. Control float switches not included.	6,290.68	112.90
22 13 29 16-0069 EA Electrical Alternator Duplex Control Panel with 3 Floats, 115 Volt, 1 Phase, 7-20 Amperes Range, Indoor NEMA 1 Enclosure For Submersible Sewage Pumps..... Note: Includes alarm horn, warning light, and three 20' float switches.	1,630.42	112.90
22 13 29 16-0070 EA Electrical Alternator Duplex Control Panel With 3 Floats, 115 Volt, 1 Phase, 7-20 Amperes Range, Indoor NEMA 4X Enclosure For Submersible Sewage Pumps..... Note: Includes alarm horn, warning light, and three 20' float switches.	1,806.78	112.90
22 13 29 16-0071 EA Electrical Alternator Duplex Control Panel With 3 Floats, 115/200/230 Volt, 1 Phase, 0-20 Amperes, Indoor NEMA 1 Enclosure For Submersible Sewage Pumps..... Note: Includes alarm horn, warning light, and three 20' float switches.	1,729.94	112.90
22 13 29 16-0072 EA Electrical Alternator Duplex Control Panel With 3 Floats, 115/200/230 Volt, 1 Phase, 0-30 Amperes Range, Indoor NEMA 4X Enclosure For Submersible Sewage Pumps..... Note: Includes alarm horn, warning light, and three 20' float switches.	1,888.88	112.90
22 13 29 16-0073 EA Electrical Alternator Duplex Control Panel, 200/230/460 Volt, 3 Phase, 1-25 Amperes Range, Indoor/Outdoor NEMA 4X Enclosure For Submersible Sewage Pumps..... Note: Includes alarm horn and warning light. Float switches not included..	3,308.52	112.90
22 13 29 16-0074 EA Alarm System, 115 Volt, Indoor/Outdoor 4X Enclosure..... Note: Includes alarm horn, warning light and 15' tethered float.	595.49	45.16
22 13 29 16-0075 EA Variable Level (Clamp Type) Float Switch With 15' Cord..... Note: Not for use with Intrinsically Safe Control Systems.	100.59	22.58
22 13 29 16-0076 EA Variable Level (Clamp Type) Float Switch With 15' Cord For Intrinsically Safe Control Systems Only.....	115.45	22.58
22 13 29 16-0077 EA Variable Level (Adjustable Weight Type) Float Switch With 25' Cord..... Note: Not for use with Intrinsically Safe Control Systems.	134.45	22.58
22 13 29 16-0078 EA Variable Level (Adjustable Weight Type) Float Switch With 25' Cord For Intrinsically Safe Control Systems Only.....	131.40	22.58
22 13 29 16-0079 EA Float Switch Tree With (3) 15' Floats..... Note: Not for use with Intrinsically Safe Control Systems.	442.26	22.58
22 13 29 16-0080 EA Float Switch Tree And (3) Floats With 15' Cords For Intrinsically Safe Control Systems Only.....	451.74	22.58
22 13 29 16-0081 EA Float Switch Tree And (4) Floats With 15' Cords..... Note: Not for use with Intrinsically Safe Control Systems.	494.68	22.58
22 13 29 16-0082 EA Float Switch Tree And (4) Floats With 15' Cords For Intrinsically Safe Control Systems Only.....	516.60	22.58
22 13 29 16-0083 EA Float Switch Tree..... Note: Tree only.	226.22	22.58
22 13 29 16-0084 EA Adjustable Weight For Float Switch.....	55.79	11.29
22 13 29 16-0085 EA Rail And Disconnect System, Stainless Steel, For 2" Horizontal Discharge..... Note: Lifting equipment not included.	1,241.26	67.74
22 13 29 16-0086 EA Rail And Disconnect System, Stainless Steel, For 3" Horizontal Discharge..... Note: Lifting equipment not included.	1,960.40	90.33
22 13 29 16-0087 EA Rail And Disconnect System, Stainless Steel, For 4" Horizontal Discharge..... Note: Lifting equipment not included.	2,565.16	112.90
22 13 29 16-0088 EA Rail And Disconnect System, Stainless Steel Non-Sparking, For 3" Horizontal Discharge.....	2,540.19	67.74
22 13 29 16-0089 EA Rail And Disconnect System, Stainless Steel Non-Sparking, For 4" Horizontal Discharge.....	3,608.18	67.74
22 13 29 16-0090 EA Intermediate Guide Rail Bracket, Stainless Steel, For 2" Rail System.....	334.09	45.16
22 13 29 16-0091 EA Intermediate Guide Rail Bracket, Stainless Steel, For 3" Rail Systems.....	609.61	56.45
22 13 29 16-0092 EA Intermediate Guide Rail Bracket, Stainless Steel, For 4" Rail Systems.....	600.73	67.74
22 13 29 16-0093 EA 12' Stainless Steel Lifting Cable.....	164.42	22.58
22 13 29 16-0094 EA Disconnect Fitting For 2" Horizontal Discharge..... Note: Used for shallow systems where guide rails are not necessary.	345.29	22.58

**22 13 29 33 Sewerage Pump Basins and Pits (22 13 29)**

22 13 29 33-0001 Sewerage Sump Pump Basin (22 13 29 33)

<b>22</b>	<b>Plumbing</b>
<b>22 10</b>	<b>Plumbing Piping</b>
<b>22 13</b>	<b>Facility Sanitary Sewerage</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>22 13 29 33-0002</b>	<b>High Density Polyethylene (HDPE) Basin</b> <small>(22 13 29 33-0001)</small>		
22 13 29 33-0003	EA 18" Diameter x 24" High, High Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub.....	137.24	
22 13 29 33-0004	EA 18" Diameter x 30" High, High Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub.....	177.59	
22 13 29 33-0005	EA 24" Diameter x 30" High, High Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub.....	404.82	
22 13 29 33-0006	EA 24" Diameter x 36" High, High Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub.....	568.59	
22 13 29 33-0007	EA 30" Diameter x 36" High, High Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub.....	732.36	
22 13 29 33-0008	EA 36" Diameter x 36" High, High Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub.....	852.04	

<b>22 13 29 33-0009</b>	<b>Fiberglass Basin</b> <small>(22 13 29 33-0001)</small>		
22 13 29 33-0010	EA 18" Diameter x 30" High Fiberglass Basin And Lid With Inlet And Hub.....	376.26	
22 13 29 33-0011	EA 24" Diameter x 30" High Fiberglass Basin And Lid With Inlet And Hub.....	771.29	
22 13 29 33-0012	EA 30" Diameter x 36" High Fiberglass Basin And Lid With Inlet And Hub.....	1,389.61	
22 13 29 33-0013	EA 36" Diameter x 36" High Fiberglass Basin And Lid With Inlet And Hub.....	1,872.84	
22 13 29 33-0014	EA 36" Diameter x 48" High Fiberglass Basin And Lid With Inlet And Hub.....	2,158.78	
22 13 29 33-0015	EA 36" Diameter x 60" High Fiberglass Basin And Lid With Inlet And Hub.....	2,279.92	
22 13 29 33-0016	EA 36" Diameter x 72" High Fiberglass Basin And Lid With Inlet And Hub.....	2,679.60	
22 13 29 33-0017	EA 48" Diameter x 48" High Fiberglass Basin And Lid With Inlet And Hub.....	3,112.22	

**22 60 Gas and Vacuum Systems for Laboratory and Healthcare Facilities** (22)

**22 66 Chemical-Waste Systems for Laboratory and Healthcare Facilities** (22 60)

**22 66 53 Laboratory Chemical-Waste and Vent Piping** (22 66)

<b>22 66 53 00-0001</b>	<b>Polypropylene Acid Resistant Drain-Waste-Vent (DWV) Pipe And Fittings</b> <small>(22 66 53)</small>		
<b>22 66 53 00-0002</b>	<b>Schedule 40 Polypropylene Acid Resistant DWV Pipe And Fuseal Fittings</b> <small>(22 66 53 00-0001)</small>		
<b>22 66 53 00-0003</b>	<b>Schedule 40 Polypropylene Acid Resistant DWV Pipe</b> <small>(22 66 53 00-0002)</small>		
22 66 53 00-0004	LF 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Pipe.....	14.82	5.79
	<i>For Schedule 80, Add</i>	3.17	
	<i>For Fire Retardant Thermoplastic Pipe (Proxylene), Add</i>	2.71	
	<i>For Work In Restricted Working Space, Add</i>	2.62	
22 66 53 00-0005	LF 2" Schedule 40 Polypropylene Acid Resistant DWV Pipe.....	18.07	6.51
	<i>For Schedule 80, Add</i>	4.28	
	<i>For Fire Retardant Thermoplastic Pipe (Proxylene), Add</i>	3.67	
	<i>For Work In Restricted Working Space, Add</i>	2.95	
22 66 53 00-0006	LF 3" Schedule 40 Polypropylene Acid Resistant DWV Pipe.....	29.09	9.45
	<i>For Schedule 80, Add</i>	7.73	
	<i>For Fire Retardant Thermoplastic Pipe (Proxylene), Add</i>	6.62	
	<i>For Work In Restricted Working Space, Add</i>	4.27	
22 66 53 00-0007	LF 4" Schedule 40 Polypropylene Acid Resistant DWV Pipe.....	39.59	12.30
	<i>For Schedule 80, Add</i>	10.98	
	<i>For Fire Retardant Thermoplastic Pipe (Proxylene), Add</i>	9.39	
	<i>For Work In Restricted Working Space, Add</i>	5.54	
22 66 53 00-0008	LF 6" Schedule 40 Polypropylene Acid Resistant DWV Pipe.....	65.15	18.09
	<i>For Schedule 80, Add</i>	19.78	
	<i>For Fire Retardant Thermoplastic Pipe (Proxylene), Add</i>	16.93	
	<i>For Work In Restricted Working Space, Add</i>	8.13	
<b>22 66 53 00-0009</b>	<b>Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bends</b> <small>(22 66 53 00-0002)</small>		
22 66 53 00-0010	EA 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bend.....	57.35	21.86
	<i>For Work In Restricted Working Space, Add</i>	9.84	
22 66 53 00-0011	EA 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bend.....	73.75	28.87
	<i>For Work In Restricted Working Space, Add</i>	12.98	
22 66 53 00-0012	EA 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bend.....	101.36	33.03
	<i>For Work In Restricted Working Space, Add</i>	14.87	
22 66 53 00-0013	EA 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bend.....	148.01	43.71
	<i>For Work In Restricted Working Space, Add</i>	19.67	
22 66 53 00-0014	EA 6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bend.....	299.38	64.55
	<i>For Work In Restricted Working Space, Add</i>	29.04	
<b>22 66 53 00-0015</b>	<b>Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bends</b> <small>(22 66 53 00-0002)</small>		
22 66 53 00-0016	EA 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bend.....	56.93	21.86
	<i>For Work In Restricted Working Space, Add</i>	9.84	
22 66 53 00-0017	EA 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bend.....	72.64	28.87
	<i>For Work In Restricted Working Space, Add</i>	12.98	
22 66 53 00-0018	EA 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bend.....	103.48	33.03
	<i>For Work In Restricted Working Space, Add</i>	14.87	
22 66 53 00-0019	EA 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bend.....	126.70	43.71
	<i>For Work In Restricted Working Space, Add</i>	19.67	
22 66 53 00-0020	EA 6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bend.....	266.36	64.55
	<i>For Work In Restricted Working Space, Add</i>	29.04	



<b>Plumbing</b>	<b>22</b>	<b>22</b>
<b>Gas and Vacuum Systems for Laboratory and Healthcare Facilities</b>	<b>22 60</b>	
<b>Chemical-Waste Systems for Laboratory and Healthcare Facilities</b>	<b>22 66</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>22 66 53 00-0021 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tees</b> <small>(22 66 53 00-0002)</small>		
22 66 53 00-0022 EA 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tee.....	100.60	46.76
<i>For Work In Restricted Working Space, Add</i>	<i>21.03</i>	
22 66 53 00-0023 EA 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tee.....	124.93	58.95
<i>For Work In Restricted Working Space, Add</i>	<i>26.52</i>	
22 66 53 00-0024 EA 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tee.....	169.91	64.55
<i>For Work In Restricted Working Space, Add</i>	<i>29.04</i>	
22 66 53 00-0025 EA 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tee.....	236.54	84.77
<i>For Work In Restricted Working Space, Add</i>	<i>38.12</i>	
22 66 53 00-0026 EA 6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tee.....	421.02	135.60
<i>For Work In Restricted Working Space, Add</i>	<i>60.99</i>	
<b>22 66 53 00-0027 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tees</b> <small>(22 66 53 00-0002)</small>		
22 66 53 00-0028 EA 2" x 2" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee .....	124.88	58.95
<i>For Work In Restricted Working Space, Add</i>	<i>26.52</i>	
22 66 53 00-0029 EA 3" x 3" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee.....	164.80	64.55
<i>For Work In Restricted Working Space, Add</i>	<i>29.04</i>	
22 66 53 00-0030 EA 3" x 3" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee .....	160.27	64.55
<i>For Work In Restricted Working Space, Add</i>	<i>29.04</i>	
22 66 53 00-0031 EA 4" x 4" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee.....	224.91	84.77
<i>For Work In Restricted Working Space, Add</i>	<i>38.12</i>	
22 66 53 00-0032 EA 4" x 4" x 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee.....	229.30	84.77
<i>For Work In Restricted Working Space, Add</i>	<i>38.12</i>	
22 66 53 00-0033 EA 6" x 6" x 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee.....	388.62	135.60
<i>For Work In Restricted Working Space, Add</i>	<i>60.99</i>	
<b>22 66 53 00-0034 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tees With Plug</b> <small>(22 66 53 00-0002)</small>		
22 66 53 00-0035 EA 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tee With Plug .....	115.49	46.76
<i>For Work In Restricted Working Space, Add</i>	<i>21.03</i>	
22 66 53 00-0036 EA 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tee With Plug .....	128.53	58.95
<i>For Work In Restricted Working Space, Add</i>	<i>26.52</i>	
22 66 53 00-0037 EA 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tee With Plug .....	180.93	64.55
<i>For Work In Restricted Working Space, Add</i>	<i>29.04</i>	
22 66 53 00-0038 EA 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tee With Plug .....	241.62	84.77
<i>For Work In Restricted Working Space, Add</i>	<i>38.12</i>	
22 66 53 00-0039 EA 6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tee With Plug .....	358.19	135.60
<i>For Work In Restricted Working Space, Add</i>	<i>60.99</i>	
<b>22 66 53 00-0040 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wyes</b> <small>(22 66 53 00-0002)</small>		
22 66 53 00-0041 EA 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wye.....	108.96	46.76
<i>For Work In Restricted Working Space, Add</i>	<i>21.03</i>	
22 66 53 00-0042 EA 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wye.....	132.67	58.95
<i>For Work In Restricted Working Space, Add</i>	<i>26.52</i>	
22 66 53 00-0043 EA 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wye.....	174.52	64.55
<i>For Work In Restricted Working Space, Add</i>	<i>29.04</i>	
22 66 53 00-0044 EA 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wye.....	240.37	84.77
<i>For Work In Restricted Working Space, Add</i>	<i>38.12</i>	
22 66 53 00-0045 EA 6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wye.....	490.92	135.60
<i>For Work In Restricted Working Space, Add</i>	<i>60.99</i>	
<b>22 66 53 00-0046 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wyes</b> <small>(22 66 53 00-0002)</small>		
22 66 53 00-0047 EA 2" x 2" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye.....	142.91	58.95
<i>For Work In Restricted Working Space, Add</i>	<i>26.52</i>	
22 66 53 00-0048 EA 3" x 3" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye.....	169.27	64.55
<i>For Work In Restricted Working Space, Add</i>	<i>29.04</i>	
22 66 53 00-0049 EA 3" x 3" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye.....	169.27	64.55
<i>For Work In Restricted Working Space, Add</i>	<i>29.04</i>	
22 66 53 00-0050 EA 4" x 4" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye.....	235.83	84.77
<i>For Work In Restricted Working Space, Add</i>	<i>38.12</i>	
22 66 53 00-0051 EA 4" x 4" x 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye.....	235.83	84.77
<i>For Work In Restricted Working Space, Add</i>	<i>38.12</i>	
22 66 53 00-0052 EA 6" x 6" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye.....	430.71	135.60
<i>For Work In Restricted Working Space, Add</i>	<i>60.99</i>	
22 66 53 00-0053 EA 6" x 6" x 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye.....	434.23	135.60
<i>For Work In Restricted Working Space, Add</i>	<i>60.99</i>	
22 66 53 00-0054 EA 6" x 6" x 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye.....	390.10	135.60
<i>For Work In Restricted Working Space, Add</i>	<i>60.99</i>	
<b>22 66 53 00-0055 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Crosses</b> <small>(22 66 53 00-0002)</small>		
22 66 53 00-0056 EA 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Cross .....	135.44	58.45
<i>For Work In Restricted Working Space, Add</i>	<i>26.29</i>	

**22 Plumbing****22 60 Gas and Vacuum Systems for Laboratory and Healthcare Facilities****22 66 Chemical-Waste Systems for Laboratory and Healthcare Facilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0057 EA 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Cross..... <i>For Work In Restricted Working Space, Add</i>	167.77 33.15	73.70
22 66 53 00-0058 EA 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Cross..... <i>For Work In Restricted Working Space, Add</i>	235.61 36.30	80.71
22 66 53 00-0059 EA 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Cross..... <i>For Work In Restricted Working Space, Add</i>	330.44 47.65	105.91
22 66 53 00-0060 EA 6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Cross..... <i>For Work In Restricted Working Space, Add</i>	595.41 76.24	169.45
<b>22 66 53 00-0061 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bends (22 66 53 00-0002)</b>		
22 66 53 00-0062 EA 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend ..... <i>For Work In Restricted Working Space, Add</i>	97.87 21.03	46.76
22 66 53 00-0063 EA 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend ..... <i>For Work In Restricted Working Space, Add</i>	128.97 26.52	58.95
22 66 53 00-0064 EA 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend ..... <i>For Work In Restricted Working Space, Add</i>	148.73 29.04	64.55
22 66 53 00-0065 EA 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend ..... <i>For Work In Restricted Working Space, Add</i>	207.82 38.12	84.77
22 66 53 00-0066 EA 2" x 2" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend ..... <i>For Work In Restricted Working Space, Add</i>	116.89 26.52	58.95
22 66 53 00-0067 EA 3" x 3" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend ..... <i>For Work In Restricted Working Space, Add</i>	143.87 29.04	64.55
22 66 53 00-0068 EA 3" x 3" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend ..... <i>For Work In Restricted Working Space, Add</i>	145.82 29.04	64.55
22 66 53 00-0069 EA 4" x 4" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend ..... <i>For Work In Restricted Working Space, Add</i>	200.60 38.12	84.77
22 66 53 00-0070 EA 4" x 4" x 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend ..... <i>For Work In Restricted Working Space, Add</i>	201.83 38.12	84.77
<b>22 66 53 00-0071 Schedule 40 Polypropylene Acid Resistant DWV Fuseal P-Traps (22 66 53 00-0002)</b>		
22 66 53 00-0072 EA 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal P-Trap ..... <i>For Work In Restricted Working Space, Add</i>	116.15 24.39	54.28
22 66 53 00-0073 EA 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal P-Trap ..... <i>For Work In Restricted Working Space, Add</i>	154.93 32.10	71.36
22 66 53 00-0074 EA 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal P-Trap ..... <i>For Work In Restricted Working Space, Add</i>	239.51 43.57	96.87
22 66 53 00-0075 EA 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal P-Trap ..... <i>For Work In Restricted Working Space, Add</i>	343.26 55.45	123.30
<b>22 66 53 00-0076 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapters (22 66 53 00-0002)</b>		
22 66 53 00-0077 EA 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapter ..... <i>For Work In Restricted Working Space, Add</i>	56.19 9.84	21.86
22 66 53 00-0078 EA 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapter ..... <i>For Work In Restricted Working Space, Add</i>	67.64 12.98	28.87
22 66 53 00-0079 EA 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapter ..... <i>For Work In Restricted Working Space, Add</i>	79.76 14.87	33.03
22 66 53 00-0080 EA 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapter ..... <i>For Work In Restricted Working Space, Add</i>	109.07 19.67	43.71
22 66 53 00-0081 EA 6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapter ..... <i>For Work In Restricted Working Space, Add</i>	161.94 29.04	64.55
<b>22 66 53 00-0082 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Mechanical Joint Adapters (22 66 53 00-0002)</b>		
22 66 53 00-0083 EA 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Mechanical Joint Adapter ..... <i>For Work In Restricted Working Space, Add</i>	53.25 9.84	21.86
22 66 53 00-0084 EA 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Mechanical Joint Adapter ..... <i>For Work In Restricted Working Space, Add</i>	69.85 12.98	28.87
22 66 53 00-0085 EA 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Mechanical Joint Adapter ..... <i>For Work In Restricted Working Space, Add</i>	83.83 14.87	33.03
22 66 53 00-0086 EA 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Mechanical Joint Adapter ..... <i>For Work In Restricted Working Space, Add</i>	113.07 19.67	43.71
<b>22 66 53 00-0087 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Couplings (22 66 53 00-0002)</b>		
22 66 53 00-0088 EA 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Coupling ..... <i>For Work In Restricted Working Space, Add</i>	49.61 9.84	21.86
22 66 53 00-0089 EA 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Coupling ..... <i>For Work In Restricted Working Space, Add</i>	63.30 12.98	28.87
22 66 53 00-0090 EA 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Coupling ..... <i>For Work In Restricted Working Space, Add</i>	73.92 14.87	33.03
22 66 53 00-0091 EA 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Coupling ..... <i>For Work In Restricted Working Space, Add</i>	97.76 19.67	43.71
22 66 53 00-0092 EA 6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Coupling ..... <i>For Work In Restricted Working Space, Add</i>	143.57 29.04	64.55



	MINOR CSI UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0093		<b>Bell And Spigot High Silicon Iron Alloy Acid Resistant Drain-Waste-Vent (DWV) Pipe And Fittings</b> <small>(22 66 53)</small> Note: Acid resistant. ASTM A518.		
22 66 53 00-0094		<b>Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe</b> <small>(22 66 53 00-0093)</small>		
22 66 53 00-0095	LF	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe.....	169.20	9.05
22 66 53 00-0096	LF	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe.....	239.81	11.29
22 66 53 00-0097	LF	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe.....	329.07	13.01
22 66 53 00-0098	LF	6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe.....	543.92	18.31
22 66 53 00-0099	LF	8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe.....	968.82	24.51
22 66 53 00-0100	LF	10" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe.....	1,728.10	30.92
22 66 53 00-0101	LF	12" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe.....	3,097.30	41.64
22 66 53 00-0102	LF	15" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe.....	5,547.94	47.75
22 66 53 00-0103		<b>Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Fittings</b> <small>(22 66 53 00-0093)</small>		
22 66 53 00-0104		<b>Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweeps</b> <small>(22 66 53 00-0103)</small>		
22 66 53 00-0105	EA	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweep.....	627.79	77.05
22 66 53 00-0106	EA	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweep.....	839.54	84.77
22 66 53 00-0107	EA	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweep.....	1,406.36	101.45
22 66 53 00-0108	EA	6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweep.....	2,130.37	120.96
22 66 53 00-0109	EA	8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweep.....	4,990.05	197.00
22 66 53 00-0110		<b>Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bends</b> <small>(22 66 53 00-0103)</small>		
22 66 53 00-0111	EA	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	327.49	77.05
22 66 53 00-0112	EA	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	445.03	84.77
22 66 53 00-0113	EA	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	564.35	101.45
22 66 53 00-0114	EA	6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	1,665.20	120.96
22 66 53 00-0115	EA	8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	3,869.52	197.00
22 66 53 00-0116	EA	10" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	5,940.36	245.44
22 66 53 00-0117	EA	12" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	8,801.00	295.15
22 66 53 00-0118		<b>Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bends</b> <small>(22 66 53 00-0103)</small>		
22 66 53 00-0119	EA	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	327.49	77.05
22 66 53 00-0120	EA	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	445.03	84.77
22 66 53 00-0121	EA	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	564.35	101.45
22 66 53 00-0122	EA	6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	1,182.37	120.96
22 66 53 00-0123	EA	8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	3,245.37	197.00
22 66 53 00-0124	EA	10" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	4,793.03	245.44
22 66 53 00-0125	EA	12" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	6,858.77	295.15
22 66 53 00-0126		<b>Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/16 Bends</b> <small>(22 66 53 00-0103)</small>		
22 66 53 00-0127	EA	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend.....	327.49	77.05
22 66 53 00-0128	EA	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend.....	445.03	84.77
22 66 53 00-0129	EA	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend.....	564.11	101.35
22 66 53 00-0130		<b>Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Short Sweeps</b> <small>(22 66 53 00-0103)</small>		
22 66 53 00-0131	EA	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Short Sweep.....	480.58	77.05
22 66 53 00-0132	EA	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Short Sweep.....	910.20	84.77
22 66 53 00-0133	EA	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Short Sweep.....	1,011.85	101.45
22 66 53 00-0134		<b>Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tees</b> <small>(22 66 53 00-0103)</small>		
22 66 53 00-0135	EA	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee.....	455.50	115.27
22 66 53 00-0136	EA	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee.....	591.97	127.77
22 66 53 00-0137	EA	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee.....	852.93	152.57
22 66 53 00-0138	EA	6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee.....	1,509.06	181.78
22 66 53 00-0139	EA	8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee.....	4,924.36	295.75
22 66 53 00-0140	EA	10" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee.....	7,051.08	369.30
22 66 53 00-0141		<b>Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tees</b> <small>(22 66 53 00-0103)</small>		
22 66 53 00-0142	EA	2" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee.....	424.77	110.49
22 66 53 00-0143	EA	3" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee.....	507.63	118.62
22 66 53 00-0144	EA	3" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee.....	578.60	122.79
22 66 53 00-0145	EA	4" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee.....	668.47	135.60
22 66 53 00-0146	EA	4" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee.....	722.05	139.86
22 66 53 00-0147	EA	4" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee.....	804.69	144.04
22 66 53 00-0148	EA	6" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee.....	1,031.73	157.30
22 66 53 00-0149	EA	6" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee.....	1,160.49	161.35

**22 Plumbing****22 60 Gas and Vacuum Systems for Laboratory and Healthcare Facilities****22 66 Chemical-Waste Systems for Laboratory and Healthcare Facilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0150 EA 6" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee.....	1,312.92	168.77
<b>22 66 53 00-0151 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Tees</b> <small>(22 66 53 00-0103)</small>		
22 66 53 00-0152 EA 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Tee.....	537.89	115.27
22 66 53 00-0153 EA 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Tee.....	662.13	127.47
22 66 53 00-0154 EA 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Tee.....	929.44	152.57
<b>22 66 53 00-0155 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Tees</b> <small>(22 66 53 00-0103)</small>		
22 66 53 00-0156 EA 2" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Tee.....	507.18	110.49
22 66 53 00-0157 EA 3" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Tee.....	650.12	123.40
22 66 53 00-0158 EA 4" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Tee.....	793.30	140.28
22 66 53 00-0159 EA 4" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Tee.....	858.33	144.44
<b>22 66 53 00-0160 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wyes</b> <small>(22 66 53 00-0103)</small>		
22 66 53 00-0161 EA 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wye.....	449.83	115.48
22 66 53 00-0162 EA 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wye.....	656.74	127.77
22 66 53 00-0163 EA 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wye.....	852.74	152.47
22 66 53 00-0164 EA 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wye.....	1,519.79	181.11
22 66 53 00-0165 EA 8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wye.....	6,254.64	295.46
<b>22 66 53 00-0166 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wyes</b> <small>(22 66 53 00-0103)</small>		
22 66 53 00-0167 EA 2" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	471.85	110.49
22 66 53 00-0168 EA 3" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	507.58	118.62
22 66 53 00-0169 EA 3" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	538.45	123.50
22 66 53 00-0170 EA 4" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	603.70	135.60
22 66 53 00-0171 EA 4" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	628.08	140.08
22 66 53 00-0172 EA 4" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	781.78	144.44
22 66 53 00-0173 EA 6" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	1,095.82	157.49
22 66 53 00-0174 EA 6" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	1,331.25	161.35
22 66 53 00-0175 EA 6" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	1,389.47	168.77
22 66 53 00-0176 EA 8" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	3,601.80	238.35
22 66 53 00-0177 EA 8" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	3,902.11	246.23
22 66 53 00-0178 EA 8" x 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	4,821.82	258.83
<b>22 66 53 00-0179 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bends</b> <small>(22 66 53 00-0103)</small>		
22 66 53 00-0180 EA 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend.....	561.38	115.27
22 66 53 00-0181 EA 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend.....	679.79	127.47
22 66 53 00-0182 EA 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend.....	1,047.20	152.57
22 66 53 00-0183 EA 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend.....	1,673.22	181.30
<b>22 66 53 00-0184 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bends</b> <small>(22 66 53 00-0103)</small>		
22 66 53 00-0185 EA 2" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend.....	448.29	110.49
22 66 53 00-0186 EA 3" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend.....	531.13	118.62
22 66 53 00-0187 EA 3" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend.....	597.12	123.40
22 66 53 00-0188 EA 4" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend.....	644.92	135.60
22 66 53 00-0189 EA 4" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend.....	763.86	140.28
22 66 53 00-0190 EA 4" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend.....	881.83	144.34
22 66 53 00-0191 EA 6" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend.....	1,172.30	157.49
22 66 53 00-0192 EA 6" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend.....	1,502.08	161.45
22 66 53 00-0193 EA 6" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend.....	1,654.84	169.06
<b>22 66 53 00-0194 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducers</b> <small>(22 66 53 00-0103)</small>		
22 66 53 00-0195 EA 2" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer.....	273.66	72.58
22 66 53 00-0196 EA 3" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer.....	303.28	76.64
22 66 53 00-0197 EA 3" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer.....	344.72	80.71
22 66 53 00-0198 EA 4" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer.....	599.34	89.45
22 66 53 00-0199 EA 4" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer.....	629.01	93.62
22 66 53 00-0200 EA 6" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer.....	681.28	100.92
22 66 53 00-0201 EA 6" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer.....	910.69	108.63
22 66 53 00-0202 EA 8" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer.....	1,334.36	147.78
22 66 53 00-0203 EA 8" x 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer.....	1,417.91	160.28
<b>22 66 53 00-0204 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Increasers</b> <small>(22 66 53 00-0103)</small>		
22 66 53 00-0205 EA 2" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Increaser.....	760.51	169.45
22 66 53 00-0206 EA 2" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Increaser.....	1,066.69	169.45
22 66 53 00-0207 EA 3" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Increaser.....	1,094.17	169.45





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0208 EA 4" x 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Increaser .....	1,191.14	225.06
<b>22 66 53 00-0209 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV P-Traps</b> <small>(22 66 53 00-0103)</small>		
22 66 53 00-0210 EA 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV P-Trap .....	975.19	77.05
22 66 53 00-0211 EA 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV P-Trap .....	1,186.95	84.77
22 66 53 00-0212 EA 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV P-Trap .....	1,447.58	101.45
22 66 53 00-0213 EA 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV P-Trap .....	4,473.88	120.96
<b>22 66 53 00-0214 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hubs</b> <small>(22 66 53 00-0103)</small>		
22 66 53 00-0215 EA 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hub .....	439.36	77.05
22 66 53 00-0216 EA 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hub .....	568.69	84.77
22 66 53 00-0217 EA 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hub .....	799.87	101.45
22 66 53 00-0218 EA 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hub .....	1,040.07	120.96
22 66 53 00-0219 EA 8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hub .....	2,101.98	168.77
<b>22 66 53 00-0220 Joint Material For Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe And Fittings</b> <small>(22 66 53 00-0093)</small>		
Note: Labor costs for installation of lead and oakum are included in the installation costs for fittings.		
22 66 53 00-0221 LB Lead (1 LB/Diameter Inch) Joint Material For Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe And Fittings.....	7.19	
22 66 53 00-0222 LB Seal-Tite Packing (1/8 LB/Diameter Inch) Joint Material For Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe And Fittings .....	107.95	
<b>22 66 53 00-0223 Mechanical Joint High Silicon Iron Alloy Acid Resistant Drain-Waste-Vent (DWV) Pipe And Fittings</b> <small>(22 66 53)</small>		
Note: ASTM A518.		
<b>22 66 53 00-0224 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe</b> <small>(22 66 53 00-0223)</small>		
22 66 53 00-0225 LF 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe.....	134.71	6.81
22 66 53 00-0226 LF 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe .....	153.50	7.52
22 66 53 00-0227 LF 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe.....	212.77	9.45
22 66 53 00-0228 LF 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe.....	269.59	10.97
<b>22 66 53 00-0229 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Fittings</b> <small>(22 66 53 00-0223)</small>		
<b>22 66 53 00-0230 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Long Sweeps</b> <small>(22 66 53 00-0229)</small>		
22 66 53 00-0231 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Long Sweep .....	463.68	53.97
22 66 53 00-0232 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Long Sweep .....	497.77	60.99
22 66 53 00-0233 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Long Sweep .....	701.44	67.29
22 66 53 00-0234 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Long Sweep .....	846.23	81.31
<b>22 66 53 00-0235 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bends</b> <small>(22 66 53 00-0229)</small>		
22 66 53 00-0236 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend .....	234.04	53.97
22 66 53 00-0237 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	284.85	60.38
22 66 53 00-0238 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	377.94	67.50
22 66 53 00-0239 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	503.80	80.71
22 66 53 00-0240 EA 2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend .....	279.82	57.03
<b>22 66 53 00-0241 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/8 Bends</b> <small>(22 66 53 00-0229)</small>		
22 66 53 00-0242 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend .....	234.04	53.97
22 66 53 00-0243 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	284.85	60.38
22 66 53 00-0244 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	377.94	67.50
22 66 53 00-0245 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	503.80	80.71
<b>22 66 53 00-0246 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/6 Bends</b> <small>(22 66 53 00-0229)</small>		
22 66 53 00-0247 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/6 Bend .....	287.04	53.97
22 66 53 00-0248 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/6 Bend.....	367.29	60.38
22 66 53 00-0249 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/6 Bend.....	595.80	67.50
22 66 53 00-0250 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/6 Bend.....	662.79	80.71
<b>22 66 53 00-0251 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/16 Bends</b> <small>(22 66 53 00-0229)</small>		
22 66 53 00-0252 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend .....	275.26	53.97
22 66 53 00-0253 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend.....	331.96	60.38
22 66 53 00-0254 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend.....	542.81	67.50
22 66 53 00-0255 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend.....	609.79	80.71

**22 Plumbing****22 60 Gas and Vacuum Systems for Laboratory and Healthcare Facilities****22 66 Chemical-Waste Systems for Laboratory and Healthcare Facilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>22 66 53 00-0256</b> <b>Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Branch 1/4 Bends</b> <small>(22 66 53 00-0229)</small>		
22 66 53 00-0257 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Branch 1/4 Bend.....	416.19	81.21
<b>22 66 53 00-0258</b> <b>Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Straight Tees</b> <small>(22 66 53 00-0229)</small>		
22 66 53 00-0259 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Straight Tee .....	321.98	81.21
22 66 53 00-0260 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Straight Tee .....	408.01	91.48
22 66 53 00-0261 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Straight Tee .....	559.14	101.95
22 66 53 00-0262 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Straight Tee .....	883.66	122.08
<b>22 66 53 00-0263</b> <b>Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tees</b> <small>(22 66 53 00-0229)</small>		
22 66 53 00-0264 EA 2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tee .....	379.29	88.03
22 66 53 00-0265 EA 3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tee .....	477.91	94.94
22 66 53 00-0266 EA 3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tee .....	512.39	98.29
22 66 53 00-0267 EA 4" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tee .....	545.29	108.46
22 66 53 00-0268 EA 4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tee .....	608.83	111.51
22 66 53 00-0269 EA 4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tee .....	666.89	114.86
<b>22 66 53 00-0270</b> <b>Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Wyes</b> <small>(22 66 53 00-0229)</small>		
22 66 53 00-0271 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Wye.....	322.38	81.53
22 66 53 00-0272 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Wye.....	384.45	91.48
22 66 53 00-0273 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Wye.....	535.58	101.95
22 66 53 00-0274 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Wye.....	883.66	122.08
<b>22 66 53 00-0275</b> <b>Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wyes</b> <small>(22 66 53 00-0229)</small>		
22 66 53 00-0276 EA 2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	362.31	88.54
22 66 53 00-0277 EA 3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	460.22	94.84
22 66 53 00-0278 EA 3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	483.39	98.60
22 66 53 00-0279 EA 4" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	545.77	108.77
22 66 53 00-0280 EA 4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	609.76	112.12
22 66 53 00-0281 EA 4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	649.66	115.16
<b>22 66 53 00-0282</b> <b>Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wyes</b> <small>(22 66 53 00-0229)</small>		
22 66 53 00-0283 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye .....	498.39	108.56
22 66 53 00-0284 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye .....	654.18	122.18
22 66 53 00-0285 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye .....	862.13	135.19
22 66 53 00-0286 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye .....	1,138.70	162.54
22 66 53 00-0287 EA 2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye .....	555.14	114.96
22 66 53 00-0288 EA 3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye .....	630.06	121.78
22 66 53 00-0289 EA 3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye .....	769.76	128.49
22 66 53 00-0290 EA 4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye .....	849.23	142.31
22 66 53 00-0291 EA 4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye .....	1,048.46	149.53
<b>22 66 53 00-0292</b> <b>Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Crosses</b> <small>(22 66 53 00-0229)</small>		
22 66 53 00-0293 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross .....	568.99	108.56
22 66 53 00-0294 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross.....	677.48	121.98
22 66 53 00-0295 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross.....	1,016.37	135.90
22 66 53 00-0296 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross.....	1,451.03	162.74
22 66 53 00-0297 EA 2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross .....	613.97	114.96
22 66 53 00-0298 EA 3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross .....	836.11	121.78
22 66 53 00-0299 EA 3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross.....	881.55	128.49
22 66 53 00-0300 EA 4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross.....	937.50	142.20
22 66 53 00-0301 EA 4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross.....	1,230.21	148.91
<b>22 66 53 00-0302</b> <b>Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bends</b> <small>(22 66 53 00-0229)</small>		
22 66 53 00-0303 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend .....	368.67	80.91
22 66 53 00-0304 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend .....	431.56	91.48
22 66 53 00-0305 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend .....	535.58	101.95
22 66 53 00-0306 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend .....	948.43	122.08
<b>22 66 53 00-0307</b> <b>Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bends</b> <small>(22 66 53 00-0229)</small>		
22 66 53 00-0308 EA 2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend .....	408.83	88.13



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0309 EA 3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend.....	460.63	95.14
22 66 53 00-0310 EA 3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend.....	506.94	98.60
22 66 53 00-0311 EA 4" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend.....	716.53	108.77
22 66 53 00-0312 EA 4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend.....	733.41	112.12
22 66 53 00-0313 EA 4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend.....	832.19	115.16
<b>22 66 53 00-0314 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Combination Wye And 1/8 Bends (22 66 53 00-0229)</b>		
22 66 53 00-0315 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Combination Wye And 1/8 Bend.....	609.97	108.36
22 66 53 00-0316 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Combination Wye And 1/8 Bend.....	783.38	121.88
22 66 53 00-0317 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Combination Wye And 1/8 Bend.....	1,174.63	135.50
22 66 53 00-0318 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Combination Wye And 1/8 Bend.....	1,410.34	163.04
<b>22 66 53 00-0319 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bends (22 66 53 00-0229)</b>		
22 66 53 00-0320 EA 2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend.....	666.96	114.96
22 66 53 00-0321 EA 3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend.....	818.42	121.67
22 66 53 00-0322 EA 3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend.....	852.11	128.49
22 66 53 00-0323 EA 4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend.....	949.28	142.20
22 66 53 00-0324 EA 4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend.....	1,230.21	148.91
<b>22 66 53 00-0325 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducers-Increasers (22 66 53 00-0229)</b>		
22 66 53 00-0326 EA 2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser.....	280.67	57.63
22 66 53 00-0327 EA 3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser.....	321.08	60.99
22 66 53 00-0328 EA 3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser.....	377.54	71.16
22 66 53 00-0329 EA 4" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser.....	466.42	67.60
22 66 53 00-0330 EA 4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser.....	495.03	70.95
22 66 53 00-0331 EA 4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser.....	523.67	74.30
<b>22 66 53 00-0332 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Cleanout And Test Tees (22 66 53 00-0229)</b>		
22 66 53 00-0333 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Cleanout And Test Tee.....	265.46	47.47
22 66 53 00-0334 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Cleanout And Test Tee.....	310.12	53.67
22 66 53 00-0335 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Cleanout And Test Tee.....	367.82	60.79
22 66 53 00-0336 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Cleanout And Test Tee.....	711.58	74.00
<b>22 66 53 00-0337 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe Plugs (22 66 53 00-0229)</b>		
22 66 53 00-0338 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe Plug.....	111.14	27.04
22 66 53 00-0339 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe Plug.....	133.59	30.19
22 66 53 00-0340 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe Plug.....	144.81	33.75
22 66 53 00-0341 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe Plug.....	190.07	40.35
<b>22 66 53 00-0342 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV P-Traps (22 66 53 00-0229)</b>		
22 66 53 00-0343 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV P-Trap.....	522.10	53.67
22 66 53 00-0344 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV P-Trap.....	532.16	60.38
22 66 53 00-0345 EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV P-Trap.....	666.46	67.50
22 66 53 00-0346 EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV P-Trap.....	857.10	80.71
22 66 53 00-0347 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Running Acid Resistant DWV P-Trap.....	745.96	57.73
22 66 53 00-0348 EA 2" Mechanical Joint High Silicon Iron Alloy Running Acid Resistant DWV P-Trap.....	1,044.66	64.44
22 66 53 00-0349 EA 3" Mechanical Joint High Silicon Iron Alloy Running Acid Resistant DWV P-Trap.....	1,272.52	71.16
22 66 53 00-0350 EA 4" Mechanical Joint High Silicon Iron Alloy Running Acid Resistant DWV P-Trap.....	1,587.33	84.77
<b>22 66 53 00-0351 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Centrifugal Drum Traps (22 66 53 00-0229)</b>		
22 66 53 00-0352 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Centrifugal Drum P-Trap.....	1,016.30	61.29
22 66 53 00-0353 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Centrifugal Drum P-Trap.....	1,638.48	67.80
22 66 53 00-0354 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Centrifugal Drum S-Trap.....	1,063.04	60.99
22 66 53 00-0355 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Centrifugal Drum S-Trap.....	1,638.48	67.80
<b>22 66 53 00-0356 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Traps (22 66 53 00-0229)</b>		
22 66 53 00-0357 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Short P-Trap.....	939.38	60.99

**22 Plumbing****22 60 Gas and Vacuum Systems for Laboratory and Healthcare Facilities****22 66 Chemical-Waste Systems for Laboratory and Healthcare Facilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0358 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Short P-Trap .....	1,108.54	67.80
22 66 53 00-0359 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Long P-Trap .....	1,098.37	60.99
22 66 53 00-0360 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Long S-Trap .....	2,492.27	67.80
22 66 53 00-0361 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Long S-Trap .....	1,450.05	67.80
<b>22 66 53 00-0362 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Return Bends</b>		
(22 66 53 00-0229)		
22 66 53 00-0363 EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Return Bend .....	358.06	54.28
22 66 53 00-0364 EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Return Bend .....	480.10	60.99
<b>22 66 53 00-0365 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Threaded Adapters</b>		
(22 66 53 00-0229)		
22 66 53 00-0366 EA 1-1/2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Threaded Adapter .....	166.98	40.66
22 66 53 00-0367 EA 1-1/2" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Threaded Adapter .....	342.82	44.12
22 66 53 00-0368 EA 2" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Threaded Adapter .....	229.33	50.82
<b>22 66 53 00-0369 Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter</b>		
(22 66 53 00-0229)		
22 66 53 00-0370 EA 1-1/2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter .....	334.07	57.83
22 66 53 00-0371 EA 1-1/2" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter .....	368.19	60.99
22 66 53 00-0372 EA 1-1/2" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter .....	414.48	64.34
22 66 53 00-0373 EA 1-1/2" x 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter .....	442.04	70.95
22 66 53 00-0374 EA 2" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter .....	414.52	64.44
22 66 53 00-0375 EA 2" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter .....	437.23	67.80
22 66 53 00-0376 EA 2" x 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter .....	470.67	74.30
22 66 53 00-0377 EA 3" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter .....	548.35	71.16
22 66 53 00-0378 EA 4" x 4" Mechanical Joint High Silicon Iron Alloy Hub To Mechanical Joint Adapter .....	680.56	84.77
<b>22 66 53 00-0379 Mechanical Joint Couplings For Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe And Fittings</b>		
(22 66 53 00-0229)		
22 66 53 00-0380 EA 1-1/2" Mechanical Joint Couplings For Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe And Fitting .....	141.32	
22 66 53 00-0381 EA 2" Mechanical Joint Couplings For Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe And Fitting .....	164.87	
22 66 53 00-0382 EA 3" Mechanical Joint Couplings For Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe And Fitting .....	176.65	
22 66 53 00-0383 EA 4" Mechanical Joint Couplings For Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe And Fitting .....	194.31	
<b>22 66 53 00-0384 Mechanical Joint High Silicon Iron Alloy Acid Resistant Sink Fittings</b>		
(22 66 53 00-0229)		
22 66 53 00-0385 EA Mechanical Joint High Silicon Iron Alloy Acid Resistant Sink Outlet .....	1,012.22	27.14
22 66 53 00-0386 EA Mechanical Joint High Silicon Iron Alloy Acid Resistant Stopper .....	379.51	13.52
22 66 53 00-0387 EA Mechanical Joint High Silicon Iron Alloy Acid Resistant Sink Overflow .....	721.03	13.52
<b>22 66 53 00-0388 Mechanical Joint High Silicon Iron Alloy Acid Resistant Floor Drains With Stainless Steel Strainer Plates</b>		
(22 66 53 00-0229)		
22 66 53 00-0389 EA Mechanical Joint High Silicon Iron Alloy Acid Resistant Floor Drain With Stainless Steel Strainer .....	3,583.14	135.60
22 66 53 00-0390 EA Mechanical Joint High Silicon Iron Alloy Acid Resistant Sediment Basin Floor Drain With Stainless Steel Strainer .....	4,452.98	142.41
22 66 53 00-0391 EA Stainless Steel Funnel Attachment For Mechanical Joint High Silicon Iron Alloy Acid Resistant Floor Drain .....	3,093.97	13.52
<b>22 66 53 00-0392 Chlorinated Polyvinyl Chloride (CPVC) Drain-Waste-Vent (DWV) Pipe And Fittings (ASTM F2618)</b>		
(22 66 53)		
<b>22 66 53 00-0393 Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) DWV Pipe</b>		
(22 66 53 00-0392)		
Note: Excludes fittings or hangers.		
22 66 53 00-0394 LF 1-1/2" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) DWV Pipe .....	15.40	4.27
22 66 53 00-0395 LF 2" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) DWV Pipe .....	19.86	5.08
22 66 53 00-0396 LF 3" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) DWV Pipe .....	33.02	7.32
22 66 53 00-0397 LF 4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) DWV Pipe .....	43.19	7.93
22 66 53 00-0398 LF 6" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) DWV Pipe .....	71.01	9.63
22 66 53 00-0399 LF 8" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) DWV Pipe .....	163.11	12.82
<b>22 66 53 00-0400 Chlorinated Polyvinyl Chloride (CPVC) DWV Fittings</b>		
(22 66 53 00-0392)		
<b>22 66 53 00-0401 Chlorinated Polyvinyl Chloride (CPVC) DWV 1/4 Bends</b>		
(22 66 53 00-0400)		
22 66 53 00-0402 EA 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/4 Bends .....	60.08	16.97
Note: 0.125		
For Work In Restricted Working Space, Add	7.63	
22 66 53 00-0403 EA 2" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/4 Bends .....	75.58	21.65
Note: 0.16		
For Work In Restricted Working Space, Add	9.76	
22 66 53 00-0404 EA 3" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/4 Bends .....	116.83	29.07
Note: 0.215		
For Work In Restricted Working Space, Add	13.11	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0405 EA 4" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/4 Bends..... Note: 0.25 <i>For Work In Restricted Working Space, Add</i>	167.14 15.25	33.85
22 66 53 00-0406 EA 6" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/4 Bends..... Note: 0.325 <i>For Work In Restricted Working Space, Add</i>	367.10 19.82	44.02
22 66 53 00-0407 EA 8" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/4 Bends..... Note: 0.438 <i>For Work In Restricted Working Space, Add</i>	508.52 26.68	59.27
<b>22 66 53 00-0408 Chlorinated Polyvinyl Chloride (CPVC) DWV Long Sweep 1/4 Bends</b> <small>(22 66 53 00-0400)</small>		
22 66 53 00-0409 EA 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Long Sweep 1/4 Bends..... <i>For Work In Restricted Working Space, Add</i>	61.28 7.63	16.97
22 66 53 00-0410 EA 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Long Sweep 1/4 Bends..... <i>For Work In Restricted Working Space, Add</i>	81.41 9.76	21.65
22 66 53 00-0411 EA 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Long Sweep 1/4 Bends..... <i>For Work In Restricted Working Space, Add</i>	127.33 13.11	29.07
22 66 53 00-0412 EA 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Long Sweep 1/4 Bends..... <i>For Work In Restricted Working Space, Add</i>	171.00 15.25	33.85
<b>22 66 53 00-0413 Chlorinated Polyvinyl Chloride (CPVC) DWV 1/8 Bends</b> <small>(22 66 53 00-0400)</small>		
22 66 53 00-0414 EA 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	59.47 7.63	16.97
22 66 53 00-0415 EA 2" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	74.01 9.76	21.65
22 66 53 00-0416 EA 3" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	119.84 13.11	29.07
22 66 53 00-0417 EA 4" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	137.10 15.25	33.85
22 66 53 00-0418 EA 6" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	318.06 19.82	44.02
22 66 53 00-0419 EA 8" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	452.29 26.68	59.27
<b>22 66 53 00-0420 Chlorinated Polyvinyl Chloride (CPVC) DWV 1/16 Bends</b> <small>(22 66 53 00-0400)</small>		
22 66 53 00-0421 EA 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/16 Bends..... <i>For Work In Restricted Working Space, Add</i>	60.15 7.63	16.97
22 66 53 00-0422 EA 2" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/16 Bends..... <i>For Work In Restricted Working Space, Add</i>	73.96 9.76	21.65
22 66 53 00-0423 EA 3" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/16 Bends..... <i>For Work In Restricted Working Space, Add</i>	118.59 13.11	29.07
22 66 53 00-0424 EA 4" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/16 Bends..... <i>For Work In Restricted Working Space, Add</i>	146.89 15.25	33.85
22 66 53 00-0425 EA 6" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/16 Bends..... <i>For Work In Restricted Working Space, Add</i>	258.15 19.82	44.02
22 66 53 00-0426 EA 8" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/16 Bends..... <i>For Work In Restricted Working Space, Add</i>	287.00 26.68	59.27
<b>22 66 53 00-0427 Chlorinated Polyvinyl Chloride (CPVC) DWV Double 1/4 Bends</b> <small>(22 66 53 00-0400)</small>		
22 66 53 00-0428 EA 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Double 1/4 Bends..... <i>For Work In Restricted Working Space, Add</i>	349.70 19.67	43.71
22 66 53 00-0429 EA 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double 1/4 Bends..... <i>For Work In Restricted Working Space, Add</i>	271.04 14.64	32.53
22 66 53 00-0430 EA 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double 1/4 Bends..... <i>For Work In Restricted Working Space, Add</i>	165.28 11.44	25.42
<b>22 66 53 00-0431 Chlorinated Polyvinyl Chloride (CPVC) DWV Sanitary Tees</b> <small>(22 66 53 00-0400)</small>		
22 66 53 00-0432 EA 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	81.17 11.44	25.42
22 66 53 00-0433 EA 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	100.36 14.64	32.53
22 66 53 00-0434 EA 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	168.77 19.67	43.71
22 66 53 00-0435 EA 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	230.83 22.87	50.82
22 66 53 00-0436 EA 6" Chlorinated Polyvinyl Chloride (CPVC) DWV Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	614.39 29.73	65.97
22 66 53 00-0437 EA 8" Chlorinated Polyvinyl Chloride (CPVC) DWV Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	851.43 40.02	88.84
<b>22 66 53 00-0438 Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Sanitary Tees</b> <small>(22 66 53 00-0400)</small>		
22 66 53 00-0439 EA 2" x 1-1/2" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	93.15 12.50	27.75
22 66 53 00-0440 EA 2" x 1-1/2" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Sanitary Tees..... <i>For Work In Restricted Working Space, Add</i>	99.04 13.57	30.09

**22 Plumbing**

**22 60 Gas and Vacuum Systems for Laboratory and Healthcare Facilities**

**22 66 Chemical-Waste Systems for Laboratory and Healthcare Facilities**



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0441 EA 2" x 2" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Sanitary Tees ..... <i>For Work In Restricted Working Space, Add</i>	96.71 13.57	30.09
22 66 53 00-0442 EA 3" x 3" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Sanitary Tees ..... <i>For Work In Restricted Working Space, Add</i>	145.99 16.92	37.61
22 66 53 00-0443 EA 3" x 3" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Sanitary Tees ..... <i>For Work In Restricted Working Space, Add</i>	156.28 17.99	39.95
22 66 53 00-0444 EA 4" x 4" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Sanitary Tees ..... <i>For Work In Restricted Working Space, Add</i>	205.21 20.13	44.72
22 66 53 00-0445 EA 4" x 4" x 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Sanitary Tees ..... <i>For Work In Restricted Working Space, Add</i>	216.99 21.80	48.38
22 66 53 00-0446 EA 6" x 6" x 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Sanitary Tees ..... <i>For Work In Restricted Working Space, Add</i>	452.30 27.44	60.89
22 66 53 00-0447 EA 8" x 8" x 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Sanitary Tees ..... <i>For Work In Restricted Working Space, Add</i>	1,055.29 34.31	76.13
<b>22 66 53 00-0448 Chlorinated Polyvinyl Chloride (CPVC) DWV Double Sanitary Tees</b> <small>(22 66 53 00-0400)</small>		
22 66 53 00-0449 EA 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Sanitary Tees ..... <i>For Work In Restricted Working Space, Add</i>	115.68 15.25	33.85
22 66 53 00-0450 EA 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Sanitary Tees ..... <i>For Work In Restricted Working Space, Add</i>	141.55 19.52	43.30
22 66 53 00-0451 EA 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Sanitary Tees ..... <i>For Work In Restricted Working Space, Add</i>	189.71 26.23	58.25
22 66 53 00-0452 EA 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Sanitary Tees ..... <i>For Work In Restricted Working Space, Add</i>	238.17 30.50	67.70
<b>22 66 53 00-0453 Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Double Sanitary Tees</b> <small>(22 66 53 00-0400)</small>		
22 66 53 00-0454 EA 2" x 2" x 1-1/2" x 1-1/2 Chlorinated Polyvinyl Chloride (CPVC) DWV Double Sanitary Tee ..... <i>For Work In Restricted Working Space, Add</i>	143.37 17.38	38.63
22 66 53 00-0455 EA 3" x 3" x 1-1/2" x 1-1/2 Chlorinated Polyvinyl Chloride (CPVC) DWV Double Sanitary Tee ..... <i>For Work In Restricted Working Space, Add</i>	171.25 20.74	46.04
22 66 53 00-0456 EA 3" x 3" x 2" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Sanitary Tee ..... <i>For Work In Restricted Working Space, Add</i>	220.01 22.87	50.82
22 66 53 00-0457 EA 4" x 4" x 2" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Sanitary Tee ..... <i>For Work In Restricted Working Space, Add</i>	194.29 25.01	55.50
22 66 53 00-0458 EA 4" x 4" x 3" x 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Sanitary Tee ..... <i>For Work In Restricted Working Space, Add</i>	217.04 28.36	62.92
<b>22 66 53 00-0459 Chlorinated Polyvinyl Chloride (CPVC) DWV Reducers</b> <small>(22 66 53 00-0400)</small>		
22 66 53 00-0460 EA 2" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducers ..... <i>For Work In Restricted Working Space, Add</i>	81.95 8.69	19.31
22 66 53 00-0461 EA 3" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducers ..... <i>For Work In Restricted Working Space, Add</i>	90.50 10.37	22.98
22 66 53 00-0462 EA 3" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducers ..... <i>For Work In Restricted Working Space, Add</i>	149.99 11.44	25.42
22 66 53 00-0463 EA 4" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducers ..... <i>For Work In Restricted Working Space, Add</i>	164.61 12.50	27.75
22 66 53 00-0464 EA 4" x 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducers ..... <i>For Work In Restricted Working Space, Add</i>	181.40 14.18	31.51
22 66 53 00-0465 EA 6" x 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducers ..... <i>For Work In Restricted Working Space, Add</i>	247.24 16.47	36.59
22 66 53 00-0466 EA 6" x 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducers ..... <i>For Work In Restricted Working Space, Add</i>	285.28 17.54	38.93
<b>22 66 53 00-0467 Chlorinated Polyvinyl Chloride (CPVC) DWV Flush Bushings</b> <small>(22 66 53 00-0400)</small>		
22 66 53 00-0468 EA 2" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Flush Bushing ..... <i>For Work In Restricted Working Space, Add</i>	57.84 8.69	19.31
22 66 53 00-0469 EA 3" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Flush Bushing ..... <i>For Work In Restricted Working Space, Add</i>	65.07 10.37	22.98
22 66 53 00-0470 EA 3" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Flush Bushing ..... <i>For Work In Restricted Working Space, Add</i>	71.38 11.44	25.42
22 66 53 00-0471 EA 4" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Flush Bushing ..... <i>For Work In Restricted Working Space, Add</i>	115.51 12.50	27.75
22 66 53 00-0472 EA 4" x 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Flush Bushing ..... <i>For Work In Restricted Working Space, Add</i>	122.80 14.18	31.51
22 66 53 00-0473 EA 6" x 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Flush Bushing ..... <i>For Work In Restricted Working Space, Add</i>	193.46 16.47	36.59
22 66 53 00-0474 EA 6" x 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Flush Bushing ..... <i>For Work In Restricted Working Space, Add</i>	190.60 17.54	38.93
22 66 53 00-0475 EA 8" x 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Flush Bushing ..... <i>For Work In Restricted Working Space, Add</i>	550.27 20.98	46.56
22 66 53 00-0476 EA 8" x 6" Chlorinated Polyvinyl Chloride (CPVC) DWV Flush Bushing ..... <i>For Work In Restricted Working Space, Add</i>	578.67 23.27	51.64
<b>22 66 53 00-0477 Chlorinated Polyvinyl Chloride (CPVC) DWV P-Traps</b> <small>(22 66 53 00-0400)</small>		
22 66 53 00-0478 EA 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV P-Traps ..... <i>For Work In Restricted Working Space, Add</i>	105.71 11.44	25.42



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0479 EA 2" Chlorinated Polyvinyl Chloride (CPVC) DWV P-Traps ..... <i>For Work In Restricted Working Space, Add</i>	143.09 14.64	32.53
22 66 53 00-0480 EA 3" Chlorinated Polyvinyl Chloride (CPVC) DWV P-Traps ..... <i>For Work In Restricted Working Space, Add</i>	236.74 19.67	43.71
22 66 53 00-0481 EA 4" Chlorinated Polyvinyl Chloride (CPVC) DWV P-Traps ..... <i>For Work In Restricted Working Space, Add</i>	380.50 22.87	50.82
<b>22 66 53 00-0482 Chlorinated Polyvinyl Chloride (CPVC) DWV Wyes</b> <small>(22 66 53 00-0400)</small>		
22 66 53 00-0483 EA 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Wyes ..... <i>For Work In Restricted Working Space, Add</i>	82.01 11.44	25.42
22 66 53 00-0484 EA 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Wyes ..... <i>For Work In Restricted Working Space, Add</i>	110.35 14.64	32.53
22 66 53 00-0485 EA 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Wyes ..... <i>For Work In Restricted Working Space, Add</i>	175.29 19.67	43.71
22 66 53 00-0486 EA 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Wyes ..... <i>For Work In Restricted Working Space, Add</i>	236.18 22.87	50.82
22 66 53 00-0487 EA 6" Chlorinated Polyvinyl Chloride (CPVC) DWV Wyes ..... <i>For Work In Restricted Working Space, Add</i>	505.14 29.73	65.97
22 66 53 00-0488 EA 8" Chlorinated Polyvinyl Chloride (CPVC) DWV Wyes ..... <i>For Work In Restricted Working Space, Add</i>	575.36 40.02	88.84
<b>22 66 53 00-0489 Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Wyes</b> <small>(22 66 53 00-0400)</small>		
22 66 53 00-0490 EA 2" x 1-1/2" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Wyes ..... <i>For Work In Restricted Working Space, Add</i>	89.65 12.50	27.75
22 66 53 00-0491 EA 2" x 2" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Wyes ..... <i>For Work In Restricted Working Space, Add</i>	106.80 13.57	30.09
22 66 53 00-0492 EA 3" x 3" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Wyes ..... <i>For Work In Restricted Working Space, Add</i>	150.89 16.92	37.61
22 66 53 00-0493 EA 3" x 3" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Wyes ..... <i>For Work In Restricted Working Space, Add</i>	162.25 17.99	39.95
22 66 53 00-0494 EA 4" x 4" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Wyes ..... <i>For Work In Restricted Working Space, Add</i>	165.06 19.06	42.28
22 66 53 00-0495 EA 4" x 4" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Wyes ..... <i>For Work In Restricted Working Space, Add</i>	214.30 20.13	44.72
22 66 53 00-0496 EA 4" x 4" x 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Wyes ..... <i>For Work In Restricted Working Space, Add</i>	226.21 21.80	48.38
22 66 53 00-0497 EA 6" x 6" x 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Wyes ..... <i>For Work In Restricted Working Space, Add</i>	355.14 27.44	60.89
22 66 53 00-0498 EA 8" x 8" x 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Wyes ..... <i>For Work In Restricted Working Space, Add</i>	421.50 34.31	76.13
22 66 53 00-0499 EA 8" x 8" x 6" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Wyes ..... <i>For Work In Restricted Working Space, Add</i>	463.80 36.59	81.21
<b>22 66 53 00-0500 Chlorinated Polyvinyl Chloride (CPVC) DWV Double Wyes</b> <small>(22 66 53 00-0400)</small>		
22 66 53 00-0501 EA 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Wyes ..... <i>For Work In Restricted Working Space, Add</i>	133.17 15.25	33.85
22 66 53 00-0502 EA 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Wyes ..... <i>For Work In Restricted Working Space, Add</i>	152.11 19.52	43.30
22 66 53 00-0503 EA 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Wyes ..... <i>For Work In Restricted Working Space, Add</i>	244.79 26.23	58.25
22 66 53 00-0504 EA 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Wyes ..... <i>For Work In Restricted Working Space, Add</i>	460.66 30.50	67.70
22 66 53 00-0505 EA 6" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Wyes ..... <i>For Work In Restricted Working Space, Add</i>	756.46 39.64	88.03
<b>22 66 53 00-0506 Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Double Wyes</b> <small>(22 66 53 00-0400)</small>		
22 66 53 00-0507 EA 2" x 2" x 1-1/2" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Wyes ..... <i>For Work In Restricted Working Space, Add</i>	188.56 17.38	38.63
22 66 53 00-0508 EA 3" x 3" x 2" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Wyes ..... <i>For Work In Restricted Working Space, Add</i>	236.98 22.87	50.82
22 66 53 00-0509 EA 4" x 4" x 3" x 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Wyes ..... <i>For Work In Restricted Working Space, Add</i>	412.56 28.36	62.92
22 66 53 00-0510 EA 6" x 6" x 4" x 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Wyes ..... <i>For Work In Restricted Working Space, Add</i>	613.86 35.07	77.87
<b>22 66 53 00-0511 Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends</b> <small>(22 66 53 00-0400)</small>		
22 66 53 00-0512 EA 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends ..... <i>For Work In Restricted Working Space, Add</i>	95.42 11.44	25.42
22 66 53 00-0513 EA 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends ..... <i>For Work In Restricted Working Space, Add</i>	125.25 14.64	32.53
22 66 53 00-0514 EA 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends ..... <i>For Work In Restricted Working Space, Add</i>	187.62 19.67	43.71
22 66 53 00-0515 EA 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends ..... <i>For Work In Restricted Working Space, Add</i>	249.60 22.87	50.82
22 66 53 00-0516 EA 6" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends ..... <i>For Work In Restricted Working Space, Add</i>	567.68 29.73	65.97

**22 Plumbing****22 60 Gas and Vacuum Systems for Laboratory and Healthcare Facilities****22 66 Chemical-Waste Systems for Laboratory and Healthcare Facilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0517 EA 8" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	995.56 40.02	88.84
<b>22 66 53 00-0518 Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Combination Wye And 1/8 Bends (22 66 53 00-0400)</b>		
22 66 53 00-0519 EA 2" x 1-1/2" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends ..... <i>For Work In Restricted Working Space, Add</i>	89.35 12.50	27.75
22 66 53 00-0520 EA 2" x 2" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends ..... <i>For Work In Restricted Working Space, Add</i>	114.08 13.57	30.09
22 66 53 00-0521 EA 3" x 3" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends ..... <i>For Work In Restricted Working Space, Add</i>	157.94 16.92	37.61
22 66 53 00-0522 EA 3" x 3" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	169.95 17.99	39.95
22 66 53 00-0523 EA 4" x 4" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	219.38 20.13	44.72
22 66 53 00-0524 EA 4" x 4" x 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	232.46 21.80	48.38
22 66 53 00-0525 EA 6" x 6" x 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	442.60 26.38	58.55
22 66 53 00-0526 EA 6" x 6" x 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	459.81 27.44	60.89
<b>22 66 53 00-0527 Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends (22 66 53 00-0400)</b>		
22 66 53 00-0528 EA 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends ..... <i>For Work In Restricted Working Space, Add</i>	143.86 15.25	33.85
22 66 53 00-0529 EA 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends ..... <i>For Work In Restricted Working Space, Add</i>	216.20 19.52	43.30
22 66 53 00-0530 EA 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends ..... <i>For Work In Restricted Working Space, Add</i>	347.19 26.23	58.25
22 66 53 00-0531 EA 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends ..... <i>For Work In Restricted Working Space, Add</i>	593.90 30.50	67.70
22 66 53 00-0532 EA 6" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends ..... <i>For Work In Restricted Working Space, Add</i>	818.06 39.64	88.03
<b>22 66 53 00-0533 Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Double Combination Wye And 1/8 Bends (22 66 53 00-0400)</b>		
22 66 53 00-0534 EA 2" x 2" x 1-1/2" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends ..... <i>For Work In Restricted Working Space, Add</i>	188.57 17.38	38.63
22 66 53 00-0535 EA 3" x 3" x 2" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends ..... <i>For Work In Restricted Working Space, Add</i>	294.02 22.87	50.82
22 66 53 00-0536 EA 4" x 4" x 2" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends ..... <i>For Work In Restricted Working Space, Add</i>	356.06 25.01	55.50
22 66 53 00-0537 EA 4" x 4" x 3" x 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends ..... <i>For Work In Restricted Working Space, Add</i>	367.25 28.36	62.92
22 66 53 00-0538 EA 6" x 6" x 3" x 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends ..... <i>For Work In Restricted Working Space, Add</i>	465.96 32.93	73.08
22 66 53 00-0539 EA 6" x 6" x 4" x 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends ..... <i>For Work In Restricted Working Space, Add</i>	523.36 35.07	77.87
<b>22 66 53 00-0540 Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Tees With Plug (22 66 53 00-0400)</b>		
22 66 53 00-0541 EA 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Tees ..... <i>For Work In Restricted Working Space, Add</i>	89.40 11.44	25.42
22 66 53 00-0542 EA 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Tees ..... <i>For Work In Restricted Working Space, Add</i>	105.43 14.64	32.53
22 66 53 00-0543 EA 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Tees ..... <i>For Work In Restricted Working Space, Add</i>	184.32 19.67	43.71
22 66 53 00-0544 EA 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Tees ..... <i>For Work In Restricted Working Space, Add</i>	237.97 22.87	50.82
22 66 53 00-0545 EA 6" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Tees ..... <i>For Work In Restricted Working Space, Add</i>	535.90 29.73	65.97
22 66 53 00-0546 EA 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Plug..... <i>For Work In Restricted Working Space, Add</i>	20.46 3.81	8.43
22 66 53 00-0547 EA 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Plug..... <i>For Work In Restricted Working Space, Add</i>	24.74 4.88	10.77
22 66 53 00-0548 EA 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Plug..... <i>For Work In Restricted Working Space, Add</i>	36.67 6.56	14.53
22 66 53 00-0549 EA 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Plug..... <i>For Work In Restricted Working Space, Add</i>	42.03 7.63	16.87
22 66 53 00-0550 EA 6" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Plug..... <i>For Work In Restricted Working Space, Add</i>	71.77 9.91	21.96
<b>22 66 53 00-0551 Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Adapters With Plug (22 66 53 00-0400)</b>		
22 66 53 00-0552 EA 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Adapters With Plug ..... <i>For Work In Restricted Working Space, Add</i>	47.84 7.63	16.97





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0553 EA 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Adapters With Plug <i>For Work In Restricted Working Space, Add</i>	58.96 9.76	21.65
22 66 53 00-0554 EA 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Adapters With Plug <i>For Work In Restricted Working Space, Add</i>	92.48 13.11	29.07
22 66 53 00-0555 EA 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Adapters With Plug <i>For Work In Restricted Working Space, Add</i>	134.71 15.25	33.85
22 66 53 00-0556 EA 6" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Adapters With Plug <i>For Work In Restricted Working Space, Add</i>	211.19 19.82	44.02
22 66 53 00-0557 EA 8" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Adapters With Plug <i>For Work In Restricted Working Space, Add</i>	377.86 26.71	59.27
<b>22 66 53 00-0558 Chlorinated Polyvinyl Chloride (CPVC) Couplings</b> <small>(22 66 53 00-0400)</small>		
22 66 53 00-0559 EA 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) Couplings <i>For Work In Restricted Working Space, Add</i>	52.50 7.63	16.97
22 66 53 00-0560 EA 2" Chlorinated Polyvinyl Chloride (CPVC) Couplings <i>For Work In Restricted Working Space, Add</i>	66.32 9.76	21.65
22 66 53 00-0561 EA 3" Chlorinated Polyvinyl Chloride (CPVC) Couplings <i>For Work In Restricted Working Space, Add</i>	86.95 13.11	29.07
22 66 53 00-0562 EA 4" Chlorinated Polyvinyl Chloride (CPVC) Couplings <i>For Work In Restricted Working Space, Add</i>	112.35 15.25	33.85
22 66 53 00-0563 EA 6" Chlorinated Polyvinyl Chloride (CPVC) Couplings <i>For Work In Restricted Working Space, Add</i>	163.59 19.82	44.02
22 66 53 00-0564 EA 8" Chlorinated Polyvinyl Chloride (CPVC) Couplings <i>For Work In Restricted Working Space, Add</i>	352.03 26.71	59.27
<b>22 66 53 00-0565 Chlorinated Polyvinyl Chloride (CPVC) Female Adapters</b> <small>(22 66 53 00-0400)</small>		
22 66 53 00-0566 EA 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) Female Adapters	34.01	8.43
22 66 53 00-0567 EA 2" Chlorinated Polyvinyl Chloride (CPVC) Female Adapters	45.27	10.87
22 66 53 00-0568 EA 3" Chlorinated Polyvinyl Chloride (CPVC) Female Adapters	69.73	14.53
22 66 53 00-0569 EA 4" Chlorinated Polyvinyl Chloride (CPVC) Female Adapters	117.45	16.97
22 66 53 00-0570 EA 6" Chlorinated Polyvinyl Chloride (CPVC) Female Adapters	187.19	21.96
<b>22 66 53 00-0571 Chlorinated Polyvinyl Chloride (CPVC) Male Adapters</b> <small>(22 66 53 00-0400)</small>		
22 66 53 00-0572 EA 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) Male Adapters	38.21	8.43
22 66 53 00-0573 EA 2" Chlorinated Polyvinyl Chloride (CPVC) Male Adapters	54.54	10.87
22 66 53 00-0574 EA 3" Chlorinated Polyvinyl Chloride (CPVC) Male Adapters	63.78	14.53
22 66 53 00-0575 EA 4" Chlorinated Polyvinyl Chloride (CPVC) Male Adapters	112.81	16.97
22 66 53 00-0576 EA 6" Chlorinated Polyvinyl Chloride (CPVC) Male Adapters	150.99	21.96
<b>22 66 53 00-0577 Chlorinated Polyvinyl Chloride (CPVC) Caps</b> <small>(22 66 53 00-0400)</small>		
22 66 53 00-0578 EA 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Cap	33.76	8.43
22 66 53 00-0579 EA 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Cap	41.45	10.87
22 66 53 00-0580 EA 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Cap	65.40	14.53
22 66 53 00-0581 EA 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Cap	114.18	16.97
22 66 53 00-0582 EA 6" Chlorinated Polyvinyl Chloride (CPVC) DWV Cap	145.51	21.96
22 66 53 00-0583 EA 8" Chlorinated Polyvinyl Chloride (CPVC) DWV Cap	230.00	29.68

**END OF SECTION 22**

22	<b>22</b>	<b>Plumbing</b>
	22 60	Gas and Vacuum Systems for Laboratory and Healthcare Facilities
	22 66	Chemical-Waste Systems for Laboratory and Healthcare Facilities



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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## 23 Heating, Ventilating, and Air-Conditioning (HVAC)

Note: Where required, mechanical equipment excludes electrical connection unless title states otherwise. HVAC equipment shall conform to California Title 24.

### 23 05 Common Work Results for HVAC <sup>(23)</sup>

#### 23 05 23 General-Duty Valves For HVAC Piping <sup>(23 05)</sup>

Note: Flanged valves exclude bolt and gasket sets. See CSI section 22 05 23 00-0000 for additional valves.

23 05 23 00-0001	Gate Valves <sup>(23 05 23)</sup>		
23 05 23 00-0002	Class 125 Threaded, Bronze Gate Valves <sup>(23 05 23 00-0001)</sup>		
	Note: 125 psi steam, basic rating. 200 psi cold working pressure.		
23 05 23 00-0003	EA 1/4" Diameter, 125 LB, Threaded Bronze Gate Valve .....	64.12	11.04
	For 150 LB Rating, Add	3.20	
	For 200 LB Rating, Add	4.80	
	For 250 LB Rating, Add	8.00	
	For 300 LB Rating, Add	11.19	
	For Work In Restricted Working Space, Add	9.64	
23 05 23 00-0004	EA 3/8" Diameter, 125 LB, Threaded Bronze Gate Valve .....	65.81	11.04
	For 150 LB Rating, Add	3.20	
	For 200 LB Rating, Add	4.80	
	For 250 LB Rating, Add	8.00	
	For 300 LB Rating, Add	11.19	
	For Work In Restricted Working Space, Add	10.15	
23 05 23 00-0005	EA 1/2" Diameter, 125 LB, Threaded Bronze Gate Valve .....	67.59	11.04
	For 150 LB Rating, Add	3.20	
	For 200 LB Rating, Add	4.80	
	For 250 LB Rating, Add	8.00	
	For 300 LB Rating, Add	11.19	
	For Work In Restricted Working Space, Add	10.68	
23 05 23 00-0006	EA 3/4" Diameter, 125 LB, Threaded Bronze Gate Valve .....	86.15	12.14
	For 150 LB Rating, Add	3.82	
	For 200 LB Rating, Add	5.72	
	For 250 LB Rating, Add	9.54	
	For 300 LB Rating, Add	13.36	
	For Work In Restricted Working Space, Add	14.40	
23 05 23 00-0007	EA 1" Diameter, 125 LB, Threaded Bronze Gate Valve .....	115.75	13.80
	For 150 LB Rating, Add	5.77	
	For 200 LB Rating, Add	8.65	
	For 250 LB Rating, Add	14.41	
	For 300 LB Rating, Add	20.18	
	For Work In Restricted Working Space, Add	17.43	
23 05 23 00-0008	EA 1-1/4" Diameter, 125 LB, Threaded Bronze Gate Valve .....	151.32	14.69
	For 150 LB Rating, Add	7.77	
	For 200 LB Rating, Add	11.66	
	For 250 LB Rating, Add	19.43	
	For 300 LB Rating, Add	27.21	
	For Work In Restricted Working Space, Add	22.08	
23 05 23 00-0009	EA 1-1/2" Diameter, 125 LB, Threaded Bronze Gate Valve .....	182.86	17.00
	For 150 LB Rating, Add	9.80	
	For 200 LB Rating, Add	14.69	
	For 250 LB Rating, Add	24.49	
	For 300 LB Rating, Add	34.28	
	For Work In Restricted Working Space, Add	25.47	
23 05 23 00-0010	EA 2" Diameter, 125 LB, Threaded Bronze Gate Valve .....	234.17	20.08
	For 150 LB Rating, Add	13.38	
	For 200 LB Rating, Add	20.07	
	For 250 LB Rating, Add	33.46	
	For 300 LB Rating, Add	46.84	
	For Work In Restricted Working Space, Add	30.10	
23 05 23 00-0011	EA 2-1/2" Diameter, 125 LB, Threaded Bronze Gate Valve .....	517.21	27.14
	For Chain Operated Type, Add	171.76	
	For 150 LB Rating, Add	38.17	
	For 200 LB Rating, Add	57.25	
	For 250 LB Rating, Add	95.42	
	For 300 LB Rating, Add	133.59	
	For Work In Restricted Working Space, Add	40.66	
23 05 23 00-0012	EA 3" Diameter, 125 LB, Threaded Bronze Gate Valve .....	612.63	31.51
	For Chain Operated Type, Add	205.31	
	For 150 LB Rating, Add	45.63	
	For 200 LB Rating, Add	68.44	
	For 250 LB Rating, Add	114.06	
	For 300 LB Rating, Add	159.69	
	For Work In Restricted Working Space, Add	46.91	
23 05 23 00-0013	EA 4" Diameter, 125 LB, Threaded Bronze Gate Valve .....	1,264.80	35.57
	For Chain Operated Type, Add	489.11	
	For 150 LB Rating, Add	108.69	
	For 200 LB Rating, Add	163.04	
	For 250 LB Rating, Add	271.73	
	For 300 LB Rating, Add	380.42	
	For Work In Restricted Working Space, Add	53.37	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 05 Common Work Results for HVAC**

**23 05 23 General-Duty Valves For HVAC Piping**



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>23 05 23 00-0014 Class 125 Non-Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valves</b> <small>(23 05 23 00-0001)</small> Note: 125 psi steam, basic rating. 200 psi cold working pressure.		
23 05 23 00-0015 EA 1-1/2" Diameter, Class 125 Non-Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valve .....	273.82	17.00
For 150 LB Rating, Add	37.78	
For 250 LB Rating, Add	66.12	
For Chain Operated Type, Add	66.12	
For Work In Restricted Working Space, Add	25.47	
23 05 23 00-0016 EA 2" Diameter, Class 125 Non-Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valve .....	419.56	20.08
For 150 LB Rating, Add	63.84	
For 250 LB Rating, Add	111.73	
For Chain Operated Type, Add	111.73	
For Work In Restricted Working Space, Add	30.10	
23 05 23 00-0017 EA 2-1/2" Diameter, Class 125 Non-Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valve .....	615.63	27.14
For 150 LB Rating, Add	96.02	
For 250 LB Rating, Add	168.04	
For Chain Operated Type, Add	168.04	
For Work In Restricted Working Space, Add	40.66	
23 05 23 00-0018 EA 3" Diameter, Class 125 Non-Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valve .....	786.30	31.51
For 150 LB Rating, Add	125.98	
For 250 LB Rating, Add	220.47	
For Chain Operated Type, Add	220.47	
For Work In Restricted Working Space, Add	46.91	
23 05 23 00-0019 EA 4" Diameter, Class 125 Non-Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valve .....	1,873.57	35.57
For 150 LB Rating, Add	339.14	
For 250 LB Rating, Add	593.49	
For Chain Operated Type, Add	593.49	
For Work In Restricted Working Space, Add	53.37	
<b>23 05 23 00-0020 Class 125 Non-Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valves</b> <small>(23 05 23 00-0001)</small> Note: 125 psi steam, basic rating. 200 psi cold working pressure.		
23 05 23 00-0021 EA 1-1/2" Diameter, Class 125 Non-Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve .....	477.26	115.90
For 150 LB Rating, Add	96.29	
For 250 LB Rating, Add	166.02	
For 300 LB Rating, ASTM A182, Add	404.65	
For Chain Operated Type, Add	166.02	
For Work In Restricted Working Space, Add	43.57	
23 05 23 00-0022 EA 2" Diameter, Class 125 Non-Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve .....	531.22	147.14
For 150 LB Rating, Add	100.70	
For 250 LB Rating, Add	173.63	
For 300 LB Rating, ASTM A182, Add	439.24	
For Chain Operated Type, Add	173.63	
For Work In Restricted Working Space, Add	55.19	
23 05 23 00-0023 EA 2-1/2" Diameter, Class 125 Non-Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve .....	601.45	147.39
For 150 LB Rating, Add	120.82	
For 250 LB Rating, Add	208.32	
For 300 LB Rating, ASTM A182, Add	509.04	
For Chain Operated Type, Add	208.32	
For Work In Restricted Working Space, Add	55.45	
23 05 23 00-0024 EA 3" Diameter, Class 125 Non-Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve .....	737.03	172.81
For 150 LB Rating, Add	151.02	
For 250 LB Rating, Add	260.38	
For 300 LB Rating, ASTM A182, Add	628.90	
For Chain Operated Type, Add	260.38	
For Work In Restricted Working Space, Add	64.88	
23 05 23 00-0025 EA 4" Diameter, Class 125 Non-Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve .....	1,057.42	289.69
For 150 LB Rating, Add	201.37	
For 250 LB Rating, Add	347.20	
For 300 LB Rating, ASTM A182, Add	875.91	
For Chain Operated Type, Add	347.20	
For Work In Restricted Working Space, Add	108.91	
23 05 23 00-0026 EA 5" Diameter, Class 125 Non-Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve .....	1,292.38	312.28
For 150 LB Rating, Add	261.76	
For 250 LB Rating, Add	451.31	
For 300 LB Rating, ASTM A182, Add	1,097.50	
For Chain Operated Type, Add	451.31	
For Work In Restricted Working Space, Add	116.93	
23 05 23 00-0027 EA 6" Diameter, Class 125 Non-Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve .....	1,546.09	346.99
For 150 LB Rating, Add	322.13	
For 250 LB Rating, Add	555.40	
For 300 LB Rating, ASTM A182, Add	1,328.45	
For Chain Operated Type, Add	555.40	
For Work In Restricted Working Space, Add	130.59	
23 05 23 00-0028 EA 8" Diameter, Class 125 Non-Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve .....	2,390.82	443.37
For 150 LB Rating, Add	533.61	
For 250 LB Rating, Add	920.03	
For 300 LB Rating, ASTM A182, Add	2,115.44	
For Chain Operated Type, Add	920.03	
For Work In Restricted Working Space, Add	165.23	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0029 EA 10" Diameter, Class 125 Non-Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve .....	3,104.77	539.76
<i>For 150 LB Rating, Add</i>	704.72	
<i>For 250 LB Rating, Add</i>	1,215.04	
<i>For 300 LB Rating, ASTM A182, Add</i>	2,767.43	
<i>For Chain Operated Type, Add</i>	1,215.04	
<i>For Work In Restricted Working Space, Add</i>	202.41	
23 05 23 00-0030 EA 12" Diameter, Class 125 Non-Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve .....	4,289.53	655.41
<i>For 150 LB Rating, Add</i>	1,006.80	
<i>For 250 LB Rating, Add</i>	1,735.86	
<i>For 300 LB Rating, ASTM A182, Add</i>	3,880.63	
<i>For Chain Operated Type, Add</i>	1,735.86	
<i>For Work In Restricted Working Space, Add</i>	245.34	
<b>23 05 23 00-0031 Class 125 Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valves</b> <small>(23 05 23 00-0001)</small>		
Note: 125 psi steam, basic rating. 200 psi cold working pressure.		
23 05 23 00-0032 EA 1-1/2" Diameter, 125 LB Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valve .....	547.99	17.00
<i>For 175 LB Rating, Add</i>	231.54	
<i>For 250 LB Rating, Add</i>	347.31	
<i>For Work In Restricted Working Space, Add</i>	25.47	
23 05 23 00-0033 EA 2" Diameter, 125 LB Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valve .....	698.98	20.08
<i>For 175 LB Rating, Add</i>	299.32	
<i>For 250 LB Rating, Add</i>	448.98	
<i>For Work In Restricted Working Space, Add</i>	30.10	
23 05 23 00-0034 EA 2-1/2" Diameter, 125 LB Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valve .....	810.57	27.14
<i>For 175 LB Rating, Add</i>	337.52	
<i>For 250 LB Rating, Add</i>	506.28	
<i>For Work In Restricted Working Space, Add</i>	40.66	
23 05 23 00-0035 EA 3" Diameter, 125 LB Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valve .....	901.22	31.51
<i>For 175 LB Rating, Add</i>	372.42	
<i>For 250 LB Rating, Add</i>	558.63	
<i>For Work In Restricted Working Space, Add</i>	46.91	
23 05 23 00-0036 EA 4" Diameter, 125 LB Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valve .....	1,206.41	35.57
<i>For 175 LB Rating, Add</i>	514.26	
<i>For 250 LB Rating, Add</i>	771.39	
<i>For Work In Restricted Working Space, Add</i>	53.37	
<b>23 05 23 00-0037 Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valves</b> <small>(23 05 23 00-0001)</small>		
Note: 125 psi steam, basic rating. 200 psi cold working pressure for up to 12". 100 psi steam, basic rating. 150 psi cold working pressure for >12" to 24". 50 psi steam, basic rating. 150 psi cold working pressure for >24".		
23 05 23 00-0038 EA 1-1/2" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve .....	623.87	115.90
<i>For 150 LB Rating, Add</i>	71.80	
<i>For 175 LB Rating, Add</i>	148.38	
<i>For 250 LB Rating, Add</i>	311.12	
<i>For Chain Operated Type, Add</i>	239.32	
<i>For Work In Restricted Working Space, Add</i>	43.57	
23 05 23 00-0039 EA 2" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve .....	676.83	147.14
<i>For 150 LB Rating, Add</i>	73.93	
<i>For 175 LB Rating, Add</i>	152.79	
<i>For 250 LB Rating, Add</i>	320.36	
<i>For Chain Operated Type, Add</i>	246.43	
<i>For Work In Restricted Working Space, Add</i>	55.19	
23 05 23 00-0040 EA 2-1/2" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve .....	693.77	147.39
<i>For 150 LB Rating, Add</i>	76.34	
<i>For 175 LB Rating, Add</i>	157.77	
<i>For 250 LB Rating, Add</i>	330.82	
<i>For Chain Operated Type, Add</i>	254.48	
<i>For Work In Restricted Working Space, Add</i>	55.45	
23 05 23 00-0041 EA 3" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve .....	776.25	172.81
<i>For 150 LB Rating, Add</i>	84.00	
<i>For 175 LB Rating, Add</i>	173.59	
<i>For 250 LB Rating, Add</i>	363.99	
<i>For Chain Operated Type, Add</i>	279.99	
<i>For Work In Restricted Working Space, Add</i>	64.88	
23 05 23 00-0042 EA 4" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve .....	1,042.14	289.69
<i>For 150 LB Rating, Add</i>	101.87	
<i>For 175 LB Rating, Add</i>	210.52	
<i>For 250 LB Rating, Add</i>	441.42	
<i>For Chain Operated Type, Add</i>	339.56	
<i>For Work In Restricted Working Space, Add</i>	108.91	
23 05 23 00-0043 EA 5" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve .....	1,337.26	312.28
<i>For 150 LB Rating, Add</i>	142.13	
<i>For 175 LB Rating, Add</i>	293.73	
<i>For 250 LB Rating, Add</i>	615.88	
<i>For Chain Operated Type, Add</i>	473.75	
<i>For Work In Restricted Working Space, Add</i>	116.93	
23 05 23 00-0044 EA 6" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve .....	1,517.38	346.99
<i>For 150 LB Rating, Add</i>	162.31	
<i>For 175 LB Rating, Add</i>	335.45	
<i>For 250 LB Rating, Add</i>	703.36	
<i>For Chain Operated Type, Add</i>	541.05	
<i>For Work In Restricted Working Space, Add</i>	130.59	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 05 Common Work Results for HVAC**

**23 05 23 General-Duty Valves For HVAC Piping**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0045	EA		8" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve ..... <i>For 150 LB Rating, Add</i> <i>For 175 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For Chain Operated Type, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,380.87 274.52 567.33 1,189.57 915.05 165.23	443.37
23 05 23 00-0046	EA		10" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve ..... <i>For 150 LB Rating, Add</i> <i>For 175 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For Chain Operated Type, Add</i> <i>For Work In Restricted Working Space, Add</i>	3,491.21 422.48 873.12 1,830.74 1,408.26 202.41	539.76
23 05 23 00-0047	EA		12" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve ..... <i>For 150 LB Rating, Add</i> <i>For 175 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For Chain Operated Type, Add</i> <i>For Work In Restricted Working Space, Add</i>	4,387.52 535.46 1,106.61 2,320.31 1,784.86 245.34	655.41
<b>23 05 23 00-0048 Ball Valves (23 05 23)</b>					
<b>23 05 23 00-0049 Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valves (23 05 23 00-0048)</b>					
Note: 125 LB WSP.					
23 05 23 00-0050	EA		1/2" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve ..... <i>For Extension Stems And Sleeves On Insulated Pipe, Add</i> <i>For Full Port, Add</i> <i>For Work In Restricted Working Space, Add</i>	49.38 2.63 6.20 10.68	11.04
23 05 23 00-0051	EA		3/4" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve ..... <i>For Extension Stems And Sleeves On Insulated Pipe, Add</i> <i>For Full Port, Add</i> <i>For Work In Restricted Working Space, Add</i>	69.17 2.63 9.53 14.40	12.14
23 05 23 00-0052	EA		1" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve ..... <i>For Extension Stems And Sleeves On Insulated Pipe, Add</i> <i>For Full Port, Add</i> <i>For Work In Restricted Working Space, Add</i>	86.69 2.63 12.87 17.43	13.80
23 05 23 00-0053	EA		1-1/4" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve ..... <i>For Extension Stems And Sleeves On Insulated Pipe, Add</i> <i>For Full Port, Add</i> <i>For Work In Restricted Working Space, Add</i>	121.59 2.63 21.60 22.08	14.69
23 05 23 00-0054	EA		1-1/2" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve ..... <i>For Extension Stems And Sleeves On Insulated Pipe, Add</i> <i>For Full Port, Add</i> <i>For Work In Restricted Working Space, Add</i>	146.21 2.63 27.59 25.47	17.00
23 05 23 00-0055	EA		2" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve ..... <i>For Extension Stems And Sleeves On Insulated Pipe, Add</i> <i>For Full Port, Add</i> <i>For Work In Restricted Working Space, Add</i>	177.13 2.63 34.56 30.10	20.08
23 05 23 00-0056	EA		2-1/2" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve ..... <i>For Extension Stems And Sleeves On Insulated Pipe, Add</i> <i>For Full Port, Add</i> <i>For Work In Restricted Working Space, Add</i>	497.93 2.63 163.08 40.66	27.14
23 05 23 00-0057	EA		3" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve ..... <i>For Extension Stems And Sleeves On Insulated Pipe, Add</i> <i>For Full Port, Add</i> <i>For Work In Restricted Working Space, Add</i>	574.52 2.63 188.16 46.91	31.51
23 05 23 00-0058	EA		4" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve ..... <i>For Extension Stems And Sleeves On Insulated Pipe, Add</i> <i>For Full Port, Add</i> <i>For Work In Restricted Working Space, Add</i>	747.96 2.63 256.53 53.37	35.57
<b>23 05 23 00-0059 Screwed, 150 LB, Full Port, Carbon Steel Ball Valves (23 05 23 00-0048)</b>					
23 05 23 00-0060	EA		1/4" Screwed, 150 LB, Full Port, Carbon Steel Ball Valve ..... <i>For Work In Restricted Working Space, Add</i>	58.50 9.64	11.04
23 05 23 00-0061	EA		1/2" Screwed, 150 LB, Full Port, Carbon Steel Ball Valve ..... <i>For Work In Restricted Working Space, Add</i>	64.22 10.68	11.04
23 05 23 00-0062	EA		3/4" Screwed, 150 LB, Full Port, Carbon Steel Ball Valve ..... <i>For Work In Restricted Working Space, Add</i>	89.36 14.40	12.14
23 05 23 00-0063	EA		1" Screwed, 150 LB, Full Port, Carbon Steel Ball Valve ..... <i>For Work In Restricted Working Space, Add</i>	113.74 17.43	13.80
23 05 23 00-0064	EA		1-1/4" Screwed, 150 LB, Full Port, Carbon Steel Ball Valve ..... <i>For Work In Restricted Working Space, Add</i>	168.68 22.08	14.69
23 05 23 00-0065	EA		1-1/2" Screwed, 150 LB, Full Port, Carbon Steel Ball Valve ..... <i>For Work In Restricted Working Space, Add</i>	205.37 25.47	17.00
23 05 23 00-0066	EA		2" Screwed, 150 LB, Full Port, Carbon Steel Ball Valve ..... <i>For Work In Restricted Working Space, Add</i>	266.20 30.10	20.08
23 05 23 00-0067			<b>Flanged, 150 LB, Full Port, Carbon Steel Ball Valves (23 05 23 00-0048)</b>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0068 EA 1-1/2" Flanged, 150 LB, Full Port, Carbon Steel Ball Valve .....	394.52	115.90
For 150 LB Rating, Add	72.29	
For 250 LB Rating, Add	124.65	
For 300 LB Rating, ASTM A182, Add	321.91	
For Chain Operated Type, Add	124.65	
For Work In Restricted Working Space, Add	43.57	
For Work In Restricted Working Space, Add	43.57	
23 05 23 00-0069 EA 2" Flanged, 150 LB, Full Port, Carbon Steel Ball Valve .....	493.24	147.14
For 150 LB Rating, Add	89.69	
For 250 LB Rating, Add	154.64	
For 300 LB Rating, ASTM A182, Add	401.26	
For Chain Operated Type, Add	154.64	
For Work In Restricted Working Space, Add	55.19	
For Work In Restricted Working Space, Add	55.19	
23 05 23 00-0070 EA 2-1/2" Flanged, 150 LB, Full Port, Carbon Steel Ball Valve .....	749.78	147.39
For 150 LB Rating, Add	163.84	
For 250 LB Rating, Add	282.48	
For 300 LB Rating, ASTM A182, Add	657.37	
For Chain Operated Type, Add	282.48	
For Work In Restricted Working Space, Add	55.45	
For Work In Restricted Working Space, Add	55.45	
23 05 23 00-0071 EA 3" Flanged, 150 LB, Full Port, Carbon Steel Ball Valve .....	827.11	172.81
For 150 LB Rating, Add	177.14	
For 250 LB Rating, Add	305.42	
For 300 LB Rating, ASTM A182, Add	718.98	
For Chain Operated Type, Add	305.42	
For Work In Restricted Working Space, Add	64.88	
For Work In Restricted Working Space, Add	64.88	
23 05 23 00-0072 EA 4" Flanged, 150 LB, Full Port, Carbon Steel Ball Valve .....	1,221.01	289.69
For Work In Restricted Working Space, Add	108.91	
23 05 23 00-0073 EA 6" Flanged, 150 LB, Full Port, Carbon Steel Ball Valve .....	2,761.56	346.99
For Work In Restricted Working Space, Add	130.59	
23 05 23 00-0074 EA 8" Flanged, 150 LB, Full Port, Carbon Steel Ball Valve .....	4,678.24	443.37
For Work In Restricted Working Space, Add	165.23	
<b>23 05 23 00-0075 Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valves (23 05 23 00-0048)</b>		
23 05 23 00-0076 EA 1/2" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve .....	47.38	11.04
For True Union Socket Or Thread Type, Add	6.58	
For Work In Restricted Working Space, Add	10.68	
23 05 23 00-0077 EA 3/4" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve .....	61.54	12.14
For True Union Socket Or Thread Type, Add	7.94	
For Work In Restricted Working Space, Add	14.40	
23 05 23 00-0078 EA 1" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve .....	76.97	13.80
For True Union Socket Or Thread Type, Add	10.60	
For Work In Restricted Working Space, Add	17.43	
23 05 23 00-0079 EA 1-1/4" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve .....	98.38	14.69
For True Union Socket Or Thread Type, Add	13.78	
For Work In Restricted Working Space, Add	22.08	
23 05 23 00-0080 EA 1-1/2" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve .....	128.04	17.00
For True Union Socket Or Thread Type, Add	21.71	
For Work In Restricted Working Space, Add	25.47	
23 05 23 00-0081 EA 2" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve .....	155.30	20.08
For True Union Socket Or Thread Type, Add	27.25	
For Work In Restricted Working Space, Add	30.10	
23 05 23 00-0082 EA 2-1/2" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve .....	253.80	27.14
For True Union Socket Or Thread Type, Add	54.42	
For Work In Restricted Working Space, Add	40.66	
23 05 23 00-0083 EA 3" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve .....	357.48	31.51
For True Union Socket Or Thread Type, Add	88.65	
For Work In Restricted Working Space, Add	46.91	
23 05 23 00-0084 EA 4" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve .....	562.40	35.57
For True Union Socket Or Thread Type, Add	163.14	
For Work In Restricted Working Space, Add	53.37	
<b>23 05 23 00-0085 Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valves (23 05 23 00-0048)</b>		
23 05 23 00-0086 EA 1/4" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve .....	89.64	16.56
For Full Port, Add	18.64	
For Work In Restricted Working Space, Add	14.47	
23 05 23 00-0087 EA 3/8" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve .....	92.17	16.56
For Full Port, Add	18.64	
For Work In Restricted Working Space, Add	15.23	
23 05 23 00-0088 EA 1/2" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve .....	94.83	16.56
For Full Port, Add	18.64	
For Work In Restricted Working Space, Add	16.02	
23 05 23 00-0089 EA 3/4" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve .....	115.90	18.21
For Full Port, Add	19.76	
For Work In Restricted Working Space, Add	21.60	
23 05 23 00-0090 EA 1" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve .....	152.20	20.70
For Full Port, Add	29.27	
For Work In Restricted Working Space, Add	26.15	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 05 Common Work Results for HVAC**

**23 05 23 General-Duty Valves For HVAC Piping**



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0091 EA 1-1/4" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve .....199.41		22.02
For Full Port, Add	40.06	
For Work In Restricted Working Space, Add	33.11	
23 05 23 00-0092 EA 1-1/2" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve .....245.73		25.49
For Full Port, Add	53.27	
For Work In Restricted Working Space, Add	38.21	
23 05 23 00-0093 EA 2" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve.....343.16		30.14
For Full Port, Add	86.69	
For Work In Restricted Working Space, Add	45.15	
23 05 23 00-0094 EA 2-1/2" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve .....670.82		40.71
For Full Port, Add	210.38	
For Work In Restricted Working Space, Add	60.99	
23 05 23 00-0095 EA 3" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve.....976.96		47.26
For Full Port, Add	334.07	
For Work In Restricted Working Space, Add	70.37	
<b>23 05 23 00-0096 Wye Strainer, Union With Two Pressure Ports, Ball Valves (23 05 23 00-0048)</b>		
23 05 23 00-0097 EA 1/2" Diameter, Wye Strainer, Union With Two Pressure Ports, Ball Valve.....171.33		11.04
23 05 23 00-0098 EA 3/4" Diameter, Wye Strainer, Union With Two Pressure Ports, Ball Valve.....219.63		14.35
23 05 23 00-0099 EA 1" Diameter, Wye Strainer, Union With Two Pressure Ports, Ball Valve.....283.31		17.66
23 05 23 00-0100 EA 1-1/4" Diameter, Wye Strainer, Union With Two Pressure Ports, Ball Valve .....387.03		24.28
23 05 23 00-0101 EA 1-1/2" Diameter, Wye Strainer, Union With Two Pressure Ports, Ball Valve .....484.53		28.25
23 05 23 00-0102 EA 2" Diameter, Wye Strainer, Union With Two Pressure Ports, Ball Valve.....640.25		33.12
<b>23 05 23 00-0103 Plastic Ball Valves (23 05 23 00-0048)</b>		
Note: Threaded or socket.		
<b>23 05 23 00-0104 Ethylene Propylene Diene Monomer (EPDM) Liner And Seals, Polyvinyl Chloride (PVC) Ball Valves (23 05 23 00-0103)</b>		
23 05 23 00-0105 EA 3/8" Ethylene Propylene Diene Monomer (EPDM) Liner And Seals, Polyvinyl Chloride (PVC) Ball Valve (George Fisher Type 346) .....71.15		11.04
23 05 23 00-0106 EA 1/2" Ethylene Propylene Diene Monomer (EPDM) Liner And Seals, Polyvinyl Chloride (PVC) Ball Valve (George Fisher Type 346) .....74.30		11.04
23 05 23 00-0107 EA 3/4" Ethylene Propylene Diene Monomer (EPDM) Liner And Seals, Polyvinyl Chloride (PVC) Ball Valve (George Fisher Type 346) .....93.91		12.14
23 05 23 00-0108 EA 1" Ethylene Propylene Diene Monomer (EPDM) Liner And Seals, Polyvinyl Chloride (PVC) Ball Valve (George Fisher Type 346) .....122.35		13.80
23 05 23 00-0109 EA 1-1/4" Ethylene Propylene Diene Monomer (EPDM) Liner And Seals, Polyvinyl Chloride (PVC) Ball Valve (George Fisher Type 346) .....145.27		14.69
23 05 23 00-0110 EA 1-1/2" Ethylene Propylene Diene Monomer (EPDM) Liner And Seals, Polyvinyl Chloride (PVC) Ball Valve (George Fisher Type 346) .....176.24		17.00
23 05 23 00-0111 EA 2" Ethylene Propylene Diene Monomer (EPDM) Liner And Seals, Polyvinyl Chloride (PVC) Ball Valve (George Fisher Type 346) .....214.88		20.08
<b>23 05 23 00-0112 Viton Liner And Seals, Chlorinated Polyvinyl Chloride (CPVC) Ball Valves (23 05 23 00-0103)</b>		
23 05 23 00-0113 EA 3/8" Viton Liner And Seals, Chlorinated Polyvinyl Chloride (CPVC) Ball Valve (George Fisher Type 346) .....107.65		11.04
23 05 23 00-0114 EA 1/2" Viton Liner And Seals, Chlorinated Polyvinyl Chloride (CPVC) Ball Valve (George Fisher Type 346) .....109.14		11.04
23 05 23 00-0115 EA 3/4" Viton Liner And Seals, Chlorinated Polyvinyl Chloride (CPVC) Ball Valve (George Fisher Type 346) .....137.04		12.14
23 05 23 00-0116 EA 1" Viton Liner And Seals, Chlorinated Polyvinyl Chloride (CPVC) Ball Valve (George Fisher Type 346) .....169.24		13.80
23 05 23 00-0117 EA 1-1/4" Viton Liner And Seals, Chlorinated Polyvinyl Chloride (CPVC) Ball Valve (George Fisher Type 346) .....256.06		14.69
23 05 23 00-0118 EA 1-1/2" Viton Liner And Seals, Chlorinated Polyvinyl Chloride (CPVC) Ball Valve (George Fisher Type 346) .....283.97		17.00
23 05 23 00-0119 EA 2" Viton Liner And Seals, Chlorinated Polyvinyl Chloride (CPVC) Ball Valve (George Fisher Type 346) .....340.87		20.08
<b>23 05 23 00-0120 Viton Liner And Seals, Polypropylene (PP) Ball Valves (23 05 23 00-0103)</b>		
23 05 23 00-0121 EA 3/8" Viton Liner And Seals, Polypropylene (PP) Ball Valve (George Fisher Type 346) .....120.09		11.04
23 05 23 00-0122 EA 1/2" Viton Liner And Seals, Polypropylene (PP) Ball Valve (George Fisher Type 346) .....129.87		11.04
23 05 23 00-0123 EA 3/4" Viton Liner And Seals, Polypropylene (PP) Ball Valve (George Fisher Type 346) .....148.65		12.14
23 05 23 00-0124 EA 1" Viton Liner And Seals, Polypropylene (PP) Ball Valve (George Fisher Type 346) .....182.51		13.80
23 05 23 00-0125 EA 1-1/4" Viton Liner And Seals, Polypropylene (PP) Ball Valve (George Fisher Type 346) .....229.52		14.69
23 05 23 00-0126 EA 1-1/2" Viton Liner And Seals, Polypropylene (PP) Ball Valve (George Fisher Type 346) .....275.67		17.00
23 05 23 00-0127 EA 2" Viton Liner And Seals, Polypropylene (PP) Ball Valve (George Fisher Type 346) .....357.45		20.08
<b>23 05 23 00-0128 Viton Liner And Seals, Polyvinylidene Fluoride (PVDF) Ball Valves (23 05 23 00-0103)</b>		
23 05 23 00-0129 EA 3/8" Viton Liner And Seals, Polyvinylidene Fluoride (PVDF) Ball Valve (George Fisher Type 346).....242.84		11.04
23 05 23 00-0130 EA 1/2" Viton Liner And Seals, Polyvinylidene Fluoride (PVDF) Ball Valve (George Fisher Type 346).....259.26		11.04
23 05 23 00-0131 EA 3/4" Viton Liner And Seals, Polyvinylidene Fluoride (PVDF) Ball Valve (George Fisher Type 346).....307.89		12.14
23 05 23 00-0132 EA 1" Viton Liner And Seals, Polyvinylidene Fluoride (PVDF) Ball Valve (George Fisher Type 346) .....360.00		13.80
23 05 23 00-0133 EA 1-1/4" Viton Liner And Seals, Polyvinylidene Fluoride (PVDF) Ball Valve (George Fisher Type 346) .....438.53		14.69
23 05 23 00-0134 EA 1-1/2" Viton Liner And Seals, Polyvinylidene Fluoride (PVDF) Ball Valve (George Fisher Type 346) .....483.02		17.00
23 05 23 00-0135 EA 2" Viton Liner And Seals, Polyvinylidene Fluoride (PVDF) Ball Valve (George Fisher Type 346) .....556.51		20.08
<b>23 05 23 00-0136 Ethylene Propylene Diene Monomer (EPDM) Seals And Teflon Seats, Polyvinyl Chloride (PVC) Ball Valves (23 05 23 00-0103)</b>		
23 05 23 00-0137 EA 1/2" Ethylene Propylene Diene Monomer (EPDM) Seals And Teflon Seats, Polyvinyl Chloride (PVC) Ball Valve (Hayward QIC Compact) .....48.01		11.04





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0138 EA 3/4" Ethylene Propylene Diene Monomer (EPDM) Seals And Teflon Seats, Polyvinyl Chloride (PVC) Ball Valve (Hayward QIC Compact) .....	64.30	12.14
23 05 23 00-0139 EA 1" Ethylene Propylene Diene Monomer (EPDM) Seals And Teflon Seats, Polyvinyl Chloride (PVC) Ball Valve (Hayward QIC Compact) .....	78.01	13.80
23 05 23 00-0140 EA 1-1/4" Ethylene Propylene Diene Monomer (EPDM) Seals And Teflon Seats, Polyvinyl Chloride (PVC) Ball Valve (Hayward QIC Compact) .....	108.76	14.69
23 05 23 00-0141 EA 1-1/2" Ethylene Propylene Diene Monomer (EPDM) Seals And Teflon Seats, Polyvinyl Chloride (PVC) Ball Valve (Hayward QIC Compact) .....	120.08	17.00
23 05 23 00-0142 EA 2" Ethylene Propylene Diene Monomer (EPDM) Seals And Teflon Seats, Polyvinyl Chloride (PVC) Ball Valve (Hayward QIC Compact) .....	146.70	20.08
 <b>23 05 23 00-0143 Plastic, True Union, Ball Valves <small>(23 05 23 00-0048)</small></b>		
<b>23 05 23 00-0144 Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Vertical Ball Valves <small>(23 05 23 00-0143)</small></b>		
<i>Note: Socket or NPT connectors.</i>		
23 05 23 00-0145 EA 3/8" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Vertical Ball Valve (George Fisher Type 343) .....	116.77	11.04
23 05 23 00-0146 EA 1/2" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Vertical Ball Valve (George Fisher Type 343) .....	121.58	11.04
23 05 23 00-0147 EA 3/4" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Vertical Ball Valve (George Fisher Type 343) .....	146.99	12.14
23 05 23 00-0148 EA 1" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Vertical Ball Valve (George Fisher Type 343) .....	180.85	13.80
23 05 23 00-0149 EA 1-1/4" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Vertical Ball Valve (George Fisher Type 343) .....	217.91	14.69
23 05 23 00-0150 EA 1-1/2" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Vertical Ball Valve (George Fisher Type 343) .....	250.79	17.00
23 05 23 00-0151 EA 2" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Vertical Ball Valve (George Fisher Type 343) .....	307.69	20.08
 <b>23 05 23 00-0152 Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Horizontal Ball Valves <small>(23 05 23 00-0143)</small></b>		
<i>Note: Socket or NPT connectors.</i>		
23 05 23 00-0153 EA 3/8" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Horizontal Ball Valve (George Fisher Type 343) .....	118.43	11.04
23 05 23 00-0154 EA 1/2" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Horizontal Ball Valve (George Fisher Type 343) .....	138.17	11.04
23 05 23 00-0155 EA 3/4" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Horizontal Ball Valve (George Fisher Type 343) .....	148.65	12.14
23 05 23 00-0156 EA 1" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Horizontal Ball Valve (George Fisher Type 343) .....	180.85	13.80
23 05 23 00-0157 EA 1-1/4" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Horizontal Ball Valve (George Fisher Type 343) .....	214.59	14.69
23 05 23 00-0158 EA 1-1/2" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Horizontal Ball Valve (George Fisher Type 343) .....	249.13	17.00
23 05 23 00-0159 EA 2" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Horizontal Ball Valve (George Fisher Type 343) .....	307.69	20.08
 <b>23 05 23 00-0160 Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC), True Union, Ball Valves <small>(23 05 23 00-0143)</small></b>		
<i>Note: Socket or NPT connectors.</i>		
23 05 23 00-0161 EA 1/2" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC), True Union, Ball Valve (George Fisher Type 560) .....	63.52	11.04
23 05 23 00-0162 EA 3/4" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC), True Union, Ball Valve (George Fisher Type 560) .....	81.47	12.14
23 05 23 00-0163 EA 1" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC), True Union, Ball Valve (George Fisher Type 560) .....	97.91	13.80
23 05 23 00-0164 EA 1-1/4" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC), True Union, Ball Valve (George Fisher Type 560) .....	129.16	14.69
23 05 23 00-0165 EA 1-1/2" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC), True Union, Ball Valve (George Fisher Type 560) .....	151.26	17.00
23 05 23 00-0166 EA 2" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC), True Union, Ball Valve (George Fisher Type 560) .....	208.16	20.08
23 05 23 00-0167 EA 2-1/2" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC), True Union, Ball Valve (George Fisher Type 560) .....	291.46	27.14
23 05 23 00-0168 EA 3" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC), True Union, Ball Valve (George Fisher Type 560) .....	368.71	31.51
23 05 23 00-0169 EA 4" Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC), True Union, Ball Valve (George Fisher Type 560) .....	526.24	35.57
 <b>23 05 23 00-0170 Ethylene Propylene Diene Monomer (EPDM) Seals, Chlorinated Polyvinyl Chloride (CPVC), True Union, Ball Valves <small>(23 05 23 00-0143)</small></b>		
<i>Note: Socket or NPT connectors.</i>		

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 05 Common Work Results for HVAC****23 05 23 General-Duty Valves For HVAC Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0171 EA 1/2" Ethylene Propylene Diene Monomer (EPDM) Seals, Chlorinated Polyvinyl Chloride (CPVC), True Union, Ball Valve (George Fisher Type 560) .....	75.13	11.04
23 05 23 00-0172 EA 3/4" Ethylene Propylene Diene Monomer (EPDM) Seals, Chlorinated Polyvinyl Chloride (CPVC), True Union, Ball Valve (George Fisher Type 560) .....	98.05	12.14
23 05 23 00-0173 EA 1" Ethylene Propylene Diene Monomer (EPDM) Seals, Chlorinated Polyvinyl Chloride (CPVC), True Union, Ball Valve (George Fisher Type 560) .....	121.13	13.80
23 05 23 00-0174 EA 1-1/4" Ethylene Propylene Diene Monomer (EPDM) Seals, Chlorinated Polyvinyl Chloride (CPVC), True Union, Ball Valve (George Fisher Type 560).....	169.80	14.69
23 05 23 00-0175 EA 1-1/2" Ethylene Propylene Diene Monomer (EPDM) Seals, Chlorinated Polyvinyl Chloride (CPVC), True Union, Ball Valve (George Fisher Type 560).....	186.10	17.00
23 05 23 00-0176 EA 2" Ethylene Propylene Diene Monomer (EPDM) Seals, Chlorinated Polyvinyl Chloride (CPVC), True Union, Ball Valve (George Fisher Type 560) .....	239.68	20.08
23 05 23 00-0177 EA 2-1/2" Ethylene Propylene Diene Monomer (EPDM) Seals, Chlorinated Polyvinyl Chloride (CPVC), True Union, Ball Valve (George Fisher Type 560).....	417.53	27.14
23 05 23 00-0178 EA 3" Ethylene Propylene Diene Monomer (EPDM) Seals, Chlorinated Polyvinyl Chloride (CPVC), True Union, Ball Valve (George Fisher Type 560) .....	488.14	31.51
23 05 23 00-0179 EA 4" Ethylene Propylene Diene Monomer (EPDM) Seals, Chlorinated Polyvinyl Chloride (CPVC), True Union, Ball Valve (George Fisher Type 560) .....	758.47	35.57
<b>23 05 23 00-0180 Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valves (23 05 23 00-0143)</b>		
<b>23 05 23 00-0181 Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valves (23 05 23 00-0180)</b>		
23 05 23 00-0182 EA 1/4" Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve .....	61.58	11.04
23 05 23 00-0183 EA 3/8" Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve .....	63.27	11.04
23 05 23 00-0184 EA 1/2" Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve .....	64.76	11.04
23 05 23 00-0185 EA 3/4" Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve .....	82.46	12.14
23 05 23 00-0186 EA 1" Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve.....	100.97	13.80
23 05 23 00-0187 EA 1-1/4" Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve .....	123.31	14.69
23 05 23 00-0188 EA 1-1/2" Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve .....	148.48	17.00
23 05 23 00-0189 EA 2" Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve.....	189.92	20.08
23 05 23 00-0190 EA 2-1/2" Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve .....	356.98	27.14
23 05 23 00-0191 EA 3" Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve.....	396.91	31.51
23 05 23 00-0192 EA 4" Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve.....	551.95	35.57
<b>23 05 23 00-0193 Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valves (23 05 23 00-0180)</b>		
23 05 23 00-0194 EA 1/4" Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve .....	61.58	11.04
23 05 23 00-0195 EA 3/8" Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve .....	63.27	11.04
23 05 23 00-0196 EA 1/2" Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve .....	64.76	11.04
23 05 23 00-0197 EA 3/4" Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve .....	82.46	12.14
23 05 23 00-0198 EA 1" Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve .....	100.97	13.80
23 05 23 00-0199 EA 1-1/4" Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve .....	123.31	14.69
23 05 23 00-0200 EA 1-1/2" Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve .....	148.48	17.00
23 05 23 00-0201 EA 2" Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve .....	189.92	20.08
23 05 23 00-0202 EA 2-1/2" Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve .....	356.98	27.14
23 05 23 00-0203 EA 3" Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve.....	396.91	31.51
23 05 23 00-0204 EA 4" Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve .....	551.95	35.57
<b>23 05 23 00-0205 Three Piece Ball Valves (23 05 23 00-0048)</b>		
<b>23 05 23 00-0206 Threaded Or Sweated, Bronze Body, Three Piece Ball Valves (23 05 23 00-0205)</b>		
23 05 23 00-0207 EA 1/4" Threaded Or Sweated, Bronze Body, Three Piece Ball Valve.....	97.77	11.04
<i>For Work In Restricted Working Space, Add</i>	9.64	
23 05 23 00-0208 EA 3/8" Threaded Or Sweated, Bronze Body, Three Piece Ball Valve.....	99.46	11.04
<i>For Work In Restricted Working Space, Add</i>	10.15	
23 05 23 00-0209 EA 1/2" Threaded Or Sweated, Bronze Body, Three Piece Ball Valve.....	111.68	11.04
<i>For Work In Restricted Working Space, Add</i>	10.68	
23 05 23 00-0210 EA 3/4" Threaded Or Sweated, Bronze Body, Three Piece Ball Valve.....	141.34	12.14
<i>For Work In Restricted Working Space, Add</i>	14.40	
23 05 23 00-0211 EA 1" Threaded Or Sweated, Bronze Body, Three Piece Ball Valve.....	180.71	13.80
<i>For Work In Restricted Working Space, Add</i>	17.43	
23 05 23 00-0212 EA 1-1/4" Threaded Or Sweated, Bronze Body, Three Piece Ball Valve.....	249.83	14.69
<i>For Work In Restricted Working Space, Add</i>	22.08	
23 05 23 00-0213 EA 1-1/2" Threaded Or Sweated, Bronze Body, Three Piece Ball Valve.....	313.07	17.00
<i>For Work In Restricted Working Space, Add</i>	25.47	
23 05 23 00-0214 EA 2" Threaded Or Sweated, Bronze Body, Three Piece Ball Valve .....	513.75	20.08
<i>For Work In Restricted Working Space, Add</i>	30.10	
23 05 23 00-0215 EA 2-1/2" Threaded Or Sweated, Bronze Body, Three Piece Ball Valve.....	1,108.35	28.81
<i>For Work In Restricted Working Space, Add</i>	44.15	
<b>23 05 23 00-0216 Threaded, Carbon Steel Body, Three Piece Ball Valves (23 05 23 00-0205)</b>		
23 05 23 00-0217 EA 1/4" Threaded, Carbon Steel Body, Three Piece Ball Valve .....	113.61	11.04
<i>For Work In Restricted Working Space, Add</i>	9.64	
23 05 23 00-0218 EA 3/8" Threaded, Carbon Steel Body, Three Piece Ball Valve .....	124.47	11.04
<i>For Work In Restricted Working Space, Add</i>	10.15	
23 05 23 00-0219 EA 1/2" Threaded, Carbon Steel Body, Three Piece Ball Valve .....	132.11	11.04
<i>For Work In Restricted Working Space, Add</i>	10.68	
23 05 23 00-0220 EA 3/4" Threaded, Carbon Steel Body, Three Piece Ball Valve .....	211.15	12.14
<i>For Work In Restricted Working Space, Add</i>	14.40	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0221 EA 1" Threaded, Carbon Steel Body, Three Piece Ball Valve..... <i>For Work In Restricted Working Space, Add</i>	269.91 17.43	13.80
23 05 23 00-0222 EA 1-1/4" Threaded, Carbon Steel Body, Three Piece Ball Valve..... <i>For Work In Restricted Working Space, Add</i>	409.27 22.08	14.69
23 05 23 00-0223 EA 1-1/2" Threaded, Carbon Steel Body, Three Piece Ball Valve..... <i>For Work In Restricted Working Space, Add</i>	521.12 25.47	17.00
23 05 23 00-0224 EA 2" Threaded, Carbon Steel Body, Three Piece Ball Valve..... <i>For Work In Restricted Working Space, Add</i>	678.10 30.10	20.08
<b>23 05 23 00-0225 Threaded, Stainless Steel Body, Three Piece Ball Valves</b> (23 05 23 00-0205)		
23 05 23 00-0226 EA 1/4" Threaded, Stainless Steel Body, Three Piece Ball Valve..... <i>For Work In Restricted Working Space, Add</i>	295.56 9.64	11.04
23 05 23 00-0227 EA 3/8" Threaded, Stainless Steel Body, Three Piece Ball Valve..... <i>For Work In Restricted Working Space, Add</i>	316.87 10.15	11.04
23 05 23 00-0228 EA 1/2" Threaded, Stainless Steel Body, Three Piece Ball Valve..... <i>For Work In Restricted Working Space, Add</i>	334.00 10.68	11.04
23 05 23 00-0229 EA 3/4" Threaded, Stainless Steel Body, Three Piece Ball Valve..... <i>For Work In Restricted Working Space, Add</i>	484.76 14.40	12.14
23 05 23 00-0230 EA 1" Threaded, Stainless Steel Body, Three Piece Ball Valve..... <i>For Work In Restricted Working Space, Add</i>	591.02 17.43	13.80
23 05 23 00-0231 EA 1-1/4" Threaded, Stainless Steel Body, Three Piece Ball Valve..... <i>For Work In Restricted Working Space, Add</i>	689.93 22.08	14.69
23 05 23 00-0232 EA 1-1/2" Threaded, Stainless Steel Body, Three Piece Ball Valve..... <i>For Work In Restricted Working Space, Add</i>	924.64 25.47	17.00
23 05 23 00-0233 EA 2" Threaded, Stainless Steel Body, Three Piece Ball Valve..... <i>For Work In Restricted Working Space, Add</i>	1,203.96 30.10	20.08
23 05 23 00-0234 EA 3" Threaded, Stainless Steel Body, Three Piece Ball Valve..... <i>For Work In Restricted Working Space, Add</i>	3,170.82 50.95	34.22
<b>23 05 23 00-0235 Globe Valves</b> (23 05 23)		
<b>23 05 23 00-0236 Threaded Or Sweated, 125 LB, Bronze Body, Globe Valves</b> (23 05 23 00-0235)		
23 05 23 00-0237 EA 1/8" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve..... <i>For 150 LB Rating, Add</i> <i>For 200 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	72.02 11.29 13.84 16.38 20.03 10.68	11.04
23 05 23 00-0238 EA 1/4" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve..... <i>For 150 LB Rating, Add</i> <i>For 200 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	68.55 11.29 13.84 16.38 20.03 9.64	11.04
23 05 23 00-0239 EA 3/8" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve..... <i>For 150 LB Rating, Add</i> <i>For 200 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	88.18 16.85 20.65 24.46 29.89 10.15	11.04
23 05 23 00-0240 EA 1/2" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve..... <i>For 150 LB Rating, Add</i> <i>For 200 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For 300 LB Rating, Add</i> <i>For 600 LB Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add</i> <i>For Work In Restricted Working Space, Add</i>	89.96 16.85 20.65 24.46 29.89 74.03 10.68	11.04
23 05 23 00-0241 EA 3/4" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve..... <i>For 150 LB Rating, Add</i> <i>For 200 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For 300 LB Rating, Add</i> <i>For 600 LB Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add</i> <i>For Work In Restricted Working Space, Add</i>	106.90 18.26 22.39 26.51 32.40 84.00 14.40	11.59
23 05 23 00-0242 EA 1" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve..... <i>For 150 LB Rating, Add</i> <i>For 200 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For 300 LB Rating, Add</i> <i>For 600 LB Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add</i> <i>For Work In Restricted Working Space, Add</i>	137.72 24.68 30.26 35.83 43.79 110.82 17.43	11.59
23 05 23 00-0243 EA 1-1/4" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve..... <i>For 150 LB Rating, Add</i> <i>For 200 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For 300 LB Rating, Add</i> <i>For 600 LB Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add</i> <i>For Work In Restricted Working Space, Add</i>	211.10 42.63 52.25 61.88 75.63 180.70 22.08	14.69

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 05 Common Work Results for HVAC**

**23 05 23 General-Duty Valves For HVAC Piping**



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0244 EA 1-1/2" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve.....	281.44	17.00
For 150 LB Rating, Add	60.92	
For 200 LB Rating, Add	74.68	
For 250 LB Rating, Add	88.44	
For 300 LB Rating, Add	108.09	
For 600 LB Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add	250.15	
For Work In Restricted Working Space, Add	25.47	
23 05 23 00-0245 EA 2" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve.....	331.38	20.08
For 150 LB Rating, Add	71.62	
For 200 LB Rating, Add	87.80	
For 250 LB Rating, Add	103.97	
For 300 LB Rating, Add	127.07	
For 600 LB Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add	294.28	
For Work In Restricted Working Space, Add	30.10	
23 05 23 00-0246 EA 2-1/2" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve.....	368.46	27.14
For 150 LB Rating, Add	72.21	
For 200 LB Rating, Add	88.51	
For 250 LB Rating, Add	104.82	
For 300 LB Rating, Add	128.11	
For Work In Restricted Working Space, Add	40.66	
23 05 23 00-0247 EA 3" Globe Valve, Bronze, Threaded Or Soldered, 125 LB.....	678.25	31.51
For 150 LB Rating, Add	161.78	
For 200 LB Rating, Add	198.31	
For 250 LB Rating, Add	234.84	
For 300 LB Rating, Add	287.03	
For Work In Restricted Working Space, Add	46.91	
<b>23 05 23 00-0248 Threaded, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valves (23 05 23 00-0235)</b>		
23 05 23 00-0249 EA 2" Threaded, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve.....	506.26	20.08
For 150 LB Rating, Add	125.84	
For 200 LB Rating, Add	154.25	
For 250 LB Rating, Add	182.66	
For 300 LB Rating, Add	223.26	
For Chain Operated Type, Add	338.94	
For Work In Restricted Working Space, Add	30.10	
23 05 23 00-0250 EA 2-1/2" Threaded, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve.....	627.55	27.14
For 150 LB Rating, Add	152.53	
For 200 LB Rating, Add	186.97	
For 250 LB Rating, Add	221.41	
For 300 LB Rating, Add	270.61	
For Chain Operated Type, Add	410.84	
For Work In Restricted Working Space, Add	40.66	
23 05 23 00-0251 EA 3" Threaded, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve.....	746.80	31.51
For 150 LB Rating, Add	183.03	
For 200 LB Rating, Add	224.36	
For 250 LB Rating, Add	265.69	
For 300 LB Rating, Add	324.73	
For Chain Operated Type, Add	493.00	
For Work In Restricted Working Space, Add	46.91	
23 05 23 00-0252 EA 4" Threaded, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve.....	965.07	35.57
For 150 LB Rating, Add	244.04	
For 200 LB Rating, Add	299.15	
For 250 LB Rating, Add	354.25	
For 300 LB Rating, Add	432.98	
For Chain Operated Type, Add	657.34	
For Work In Restricted Working Space, Add	53.35	
<b>23 05 23 00-0253 Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valves (23 05 23 00-0235)</b>		
23 05 23 00-0254 EA 2" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve.....	468.42	147.14
For 150 LB Rating, Add	88.18	
For 250 LB Rating, Add	128.00	
For Chain Operated Type, Add	142.23	
For Work In Restricted Working Space, Add	55.19	
23 05 23 00-0255 EA 2-1/2" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve.....	531.58	147.39
For 150 LB Rating, Add	107.50	
For 250 LB Rating, Add	156.04	
For Chain Operated Type, Add	173.38	
For Work In Restricted Working Space, Add	55.45	
23 05 23 00-0256 EA 3" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve.....	632.39	172.81
For 150 LB Rating, Add	129.00	
For 250 LB Rating, Add	187.25	
For Chain Operated Type, Add	208.06	
For Work In Restricted Working Space, Add	64.88	
23 05 23 00-0257 EA 4" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve.....	917.85	289.69
For 150 LB Rating, Add	171.99	
For 250 LB Rating, Add	249.67	
For Chain Operated Type, Add	277.41	
For Work In Restricted Working Space, Add	108.91	
23 05 23 00-0258 EA 5" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve.....	1,161.31	312.28
For 150 LB Rating, Add	239.18	
For 250 LB Rating, Add	347.20	
For Chain Operated Type, Add	385.78	
For Work In Restricted Working Space, Add	116.93	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0259 EA 6" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve .....	1,410.56	346.99
<i>For 150 LB Rating, Add</i>	302.33	
<i>For 250 LB Rating, Add</i>	438.87	
<i>For Chain Operated Type, Add</i>	487.64	
<i>For Work In Restricted Working Space, Add</i>	130.59	
23 05 23 00-0260 EA 8" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve .....	2,050.52	443.37
<i>For 150 LB Rating, Add</i>	464.92	
<i>For 250 LB Rating, Add</i>	674.89	
<i>For Chain Operated Type, Add</i>	749.88	
<i>For Work In Restricted Working Space, Add</i>	165.23	
23 05 23 00-0261 EA 10" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve .....	2,958.99	539.76
<i>For 150 LB Rating, Add</i>	708.13	
<i>For 250 LB Rating, Add</i>	1,027.94	
<i>For Chain Operated Type, Add</i>	1,142.15	
<i>For Work In Restricted Working Space, Add</i>	202.41	
23 05 23 00-0262 EA 12" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve .....	5,140.33	655.41
<i>For 150 LB Rating, Add</i>	1,339.98	
<i>For 250 LB Rating, Add</i>	1,945.13	
<i>For Chain Operated Type, Add</i>	2,161.26	
<i>For Work In Restricted Working Space, Add</i>	245.34	
<b>23 05 23 00-0263 Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valves (23 05 23 00-0235)</b>		
23 05 23 00-0264 EA 1/8" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve .....	63.19	11.04
<i>For 150 LB Rating, Add</i>	8.55	
<i>For 200 LB Rating, Add</i>	10.48	
<i>For 300 LB Rating, Add</i>	15.17	
<i>For Work In Restricted Working Space, Add</i>	10.68	
23 05 23 00-0265 EA 1/4" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve .....	59.72	11.04
<i>For 150 LB Rating, Add</i>	8.55	
<i>For 200 LB Rating, Add</i>	10.48	
<i>For 300 LB Rating, Add</i>	15.17	
<i>For Work In Restricted Working Space, Add</i>	9.64	
23 05 23 00-0266 EA 3/8" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve .....	61.41	11.04
<i>For 150 LB Rating, Add</i>	8.55	
<i>For 200 LB Rating, Add</i>	10.48	
<i>For 300 LB Rating, Add</i>	15.17	
<i>For Work In Restricted Working Space, Add</i>	10.15	
23 05 23 00-0267 EA 1/2" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve .....	65.03	11.04
<i>For 150 LB Rating, Add</i>	9.12	
<i>For 200 LB Rating, Add</i>	11.18	
<i>For 300 LB Rating, Add</i>	16.18	
<i>For Work In Restricted Working Space, Add</i>	10.68	
23 05 23 00-0268 EA 3/4" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve .....	88.78	11.59
<i>For 150 LB Rating, Add</i>	12.64	
<i>For 200 LB Rating, Add</i>	15.50	
<i>For 300 LB Rating, Add</i>	22.43	
<i>For Work In Restricted Working Space, Add</i>	14.40	
23 05 23 00-0269 EA 1" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve .....	111.63	11.59
<i>For 150 LB Rating, Add</i>	16.59	
<i>For 200 LB Rating, Add</i>	20.34	
<i>For 300 LB Rating, Add</i>	29.44	
<i>For Work In Restricted Working Space, Add</i>	17.43	
23 05 23 00-0270 EA 1-1/4" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve .....	153.11	14.69
<i>For 150 LB Rating, Add</i>	24.65	
<i>For 200 LB Rating, Add</i>	30.22	
<i>For 300 LB Rating, Add</i>	43.74	
<i>For Work In Restricted Working Space, Add</i>	22.08	
23 05 23 00-0271 EA 1-1/2" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve .....	177.62	17.00
<i>For 150 LB Rating, Add</i>	28.74	
<i>For 200 LB Rating, Add</i>	35.23	
<i>For 300 LB Rating, Add</i>	50.99	
<i>For Work In Restricted Working Space, Add</i>	25.47	
23 05 23 00-0272 EA 2" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve .....	239.98	20.08
<i>For 150 LB Rating, Add</i>	43.29	
<i>For 200 LB Rating, Add</i>	53.06	
<i>For 300 LB Rating, Add</i>	76.80	
<i>For Work In Restricted Working Space, Add</i>	30.10	
23 05 23 00-0273 EA 2-1/2" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve .....	399.07	29.47
<i>For 150 LB Rating, Add</i>	78.09	
<i>For 200 LB Rating, Add</i>	95.72	
<i>For 300 LB Rating, Add</i>	138.54	
<i>For Work In Restricted Working Space, Add</i>	44.15	
23 05 23 00-0274 EA 3" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve .....	596.40	34.22
<i>For 150 LB Rating, Add</i>	132.24	
<i>For 200 LB Rating, Add</i>	162.10	
<i>For 300 LB Rating, Add</i>	234.62	
<i>For Work In Restricted Working Space, Add</i>	50.95	
<b>23 05 23 00-0275 Flanged, 125 LB, Iron Body, Angle Globe Valves (23 05 23 00-0235)</b>		
23 05 23 00-0276 EA 2" Flanged, 125 LB, Iron Body, Angle Globe Valve .....	915.82	147.14
<i>For 250 LB Rating, Add</i>	439.11	
<i>For Chain Operated Type, Add</i>	285.42	
<i>For Work In Restricted Working Space, Add</i>	55.19	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 05 Common Work Results for HVAC****23 05 23 General-Duty Valves For HVAC Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0277 EA 2-1/2" Flanged, 125 LB, Iron Body, Angle Globe Valve ..... <i>For 250 LB Rating, Add</i> <i>For Chain Operated Type, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,050.36 519.32 337.56 55.45	147.39
23 05 23 00-0278 EA 3" Flanged, 125 LB, Iron Body, Angle Globe Valve ..... <i>For 250 LB Rating, Add</i> <i>For Chain Operated Type, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,236.24 611.98 397.79 64.88	172.81
23 05 23 00-0279 EA 4" Flanged, 125 LB, Iron Body, Angle Globe Valve ..... <i>For 250 LB Rating, Add</i> <i>For Chain Operated Type, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,819.84 874.09 568.16 108.91	289.69
23 05 23 00-0280 EA 5" Flanged, 125 LB, Iron Body, Angle Globe Valve ..... <i>For 250 LB Rating, Add</i> <i>For Chain Operated Type, Add</i> <i>For Work In Restricted Working Space, Add</i>	3,000.65 1,566.53 1,018.25 116.93	312.28
23 05 23 00-0281 EA 6" Flanged, 125 LB, Iron Body, Angle Globe Valve ..... <i>For 250 LB Rating, Add</i> <i>For Chain Operated Type, Add</i> <i>For Work In Restricted Working Space, Add</i>	3,046.18 1,566.53 1,018.25 130.59	346.99
23 05 23 00-0282 EA 8" Flanged, 125 LB, Iron Body, Angle Globe Valve ..... <i>For 250 LB Rating, Add</i> <i>For Chain Operated Type, Add</i> <i>For Work In Restricted Working Space, Add</i>	5,660.79 3,066.01 1,992.91 165.23	443.37
<b>23 05 23 00-0283 Plug Valves (23 05 23)</b>		
<b>23 05 23 00-0284 Plug Valves, Lubricated, Semisteel Screwed, Wrench Operated (23 05 23 00-0283)</b> Note: Includes wrench.		
23 05 23 00-0285 EA 1/2" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench.....	293.65	11.04
23 05 23 00-0286 EA 3/4" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench.....	306.03	12.14
23 05 23 00-0287 EA 1" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench.....	387.23	13.80
23 05 23 00-0288 EA 1-1/4" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench.....	463.28	14.69
23 05 23 00-0289 EA 1-1/2" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench.....	508.83	17.00
23 05 23 00-0290 EA 2" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench.....	600.61	20.08
23 05 23 00-0291 EA 2-1/2" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench.....	901.74	27.14
23 05 23 00-0292 EA 3" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench.....	1,104.27	31.51
<b>23 05 23 00-0293 Plug Valves, Lubricated, Semisteel Flanged (23 05 23 00-0283)</b> Note: Wrench operated for 4", gear operated for 6" and 10".		
23 05 23 00-0294 EA 2" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench.....	487.73	147.14
23 05 23 00-0295 EA 2-1/2" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench.....	584.95	147.39
23 05 23 00-0296 EA 3" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench.....	719.05	172.81
23 05 23 00-0297 EA 4" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench.....	1,043.87	289.69
23 05 23 00-0298 EA 6" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench.....	2,251.57	346.99
23 05 23 00-0299 EA 8" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench.....	3,823.00	443.37
23 05 23 00-0300 EA 10" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench.....	6,127.71	539.76
23 05 23 00-0301 EA 12" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench.....	9,094.76	655.41
<b>23 05 23 00-0302 Plug Valves, Forged Steel, Screwed (23 05 23 00-0283)</b>		
23 05 23 00-0303 EA 1/2" Plug Valve, 1,500 LB, Forged Steel, Screwed.....	1,139.33	11.04
23 05 23 00-0304 EA 3/4" Plug Valve, 1,500 LB, Forged Steel, Screwed.....	1,345.63	12.14
23 05 23 00-0305 EA 1" Plug Valve, 1,500 LB, Forged Steel, Screwed.....	1,520.94	13.80
23 05 23 00-0306 EA 1-1/4" Plug Valve, 1,500 LB, Forged Steel, Screwed.....	1,824.53	14.69
23 05 23 00-0307 EA 1-1/2" Plug Valve, 1,500 LB, Forged Steel, Screwed.....	2,124.75	17.00
23 05 23 00-0308 EA 2" Plug Valve, 1,500 LB, Forged Steel, Screwed.....	2,796.18	20.08
<b>23 05 23 00-0309 Plug Valves, Eccentric, Cast Iron Flanged (23 05 23 00-0283)</b>		
23 05 23 00-0310 EA 4" Diameter Plug Valve, Eccentric, Cast Iron, Flanged, 175 PSI.....	1,145.91	289.69
23 05 23 00-0311 EA 6" Diameter Plug Valve, Eccentric, Cast Iron, Flanged, 175 PSI.....	1,777.73	346.99
23 05 23 00-0312 EA 8" Diameter Plug Valve, Eccentric, Cast Iron, Flanged, 175 PSI.....	2,421.98	443.37
23 05 23 00-0313 EA 10" Diameter Plug Valve, Eccentric, Cast Iron, Flanged, 175 PSI.....	3,444.29	539.76
23 05 23 00-0314 EA 12" Diameter Plug Valve, Eccentric, Cast Iron, Flanged, 175 PSI.....	4,452.40	655.41
<b>23 05 23 00-0315 Eccentric Valves With Taps (23 05 23)</b>		
<b>23 05 23 00-0316 Screwed Eccentric Valves With Taps (23 05 23 00-0315)</b>		
23 05 23 00-0317 EA 1/2" Diameter Eccentric Valves With Taps, Screwed.....	498.38	11.04
23 05 23 00-0318 EA 3/4" Diameter Eccentric Valves With Taps, Screwed.....	517.88	12.14
23 05 23 00-0319 EA 1" Diameter Eccentric Valves With Taps, Screwed.....	656.15	13.80
23 05 23 00-0320 EA 1-1/4" Diameter Eccentric Valves With Taps, Screwed.....	792.67	14.69
23 05 23 00-0321 EA 1-1/2" Diameter Eccentric Valves With Taps, Screwed.....	860.95	17.00
23 05 23 00-0322 EA 2" Diameter Eccentric Valves With Taps, Screwed.....	1,011.65	20.08
23 05 23 00-0323 EA 2-1/2" Diameter Eccentric Valves With Taps, Screwed.....	1,545.21	27.14
23 05 23 00-0324 EA 3" Diameter Eccentric Valves With Taps, Screwed.....	1,886.44	31.51



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>23 05 23 00-0325</b> <b>Flanged Eccentric Valves With Taps</b> <small>(23 05 23 00-0315)</small>		
23 05 23 00-0326    EA    2-1/2" Diameter Eccentric Valves With Taps, Flanged .....	1,857.93	147.39
23 05 23 00-0327    EA    3" Diameter Eccentric Valves With Taps, Flanged.....	2,209.76	172.81
23 05 23 00-0328    EA    4" Diameter Eccentric Valves With Taps, Flanged.....	2,890.49	289.69
23 05 23 00-0329    EA    5" Diameter Eccentric Valves With Taps, Flanged.....	3,949.56	312.28
23 05 23 00-0330    EA    6" Diameter Eccentric Valves With Taps, Flanged.....	5,063.03	346.99
23 05 23 00-0331    EA    8" Diameter Eccentric Valves With Taps, Flanged.....	8,916.30	443.37
23 05 23 00-0332    EA    10" Diameter Eccentric Valves With Taps, Flanged.....	12,600.02	539.76
23 05 23 00-0333    EA    12" Diameter Eccentric Valves With Taps, Flanged.....	21,998.62	655.41
<b>23 05 23 00-0334</b> <b>Check Valves</b> <small>(23 05 23)</small>		
<b>23 05 23 00-0335</b> <b>Iron Body Wafer Type Check Valve</b> <small>(23 05 23 00-0334)</small>		
<b>23 05 23 00-0336</b> <b>Single Disk Type</b> <small>(23 05 23 00-0335)</small>		
23 05 23 00-0337    EA    2" Check Valve, Single Disc Type, Iron Body Wafer Type, 125 LB .....	467.55	147.20
For 150 LB Rating, Add	59.54	
For 200 LB Rating, Add	70.88	
For 300 LB Rating, Add	85.05	
For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	164.39	
23 05 23 00-0338    EA    2-1/2" Check Valve, Single Disc Type, Iron Body Wafer Type, 125 LB .....	556.36	147.48
For 150 LB Rating, Add	78.00	
For 200 LB Rating, Add	92.86	
For 300 LB Rating, Add	111.43	
For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	204.13	
23 05 23 00-0339    EA    3" Check Valve, Single Disc Type, Iron Body Wafer Type, 125 LB .....	685.89	172.91
For 150 LB Rating, Add	98.60	
For 200 LB Rating, Add	117.38	
For 300 LB Rating, Add	140.85	
For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	254.55	
23 05 23 00-0340    EA    4" Check Valve, Single Disc Type, Iron Body Wafer Type, 125 LB .....	999.14	289.86
For 150 LB Rating, Add	133.54	
For 200 LB Rating, Add	158.98	
For 300 LB Rating, Add	190.77	
For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	358.80	
23 05 23 00-0341    EA    6" Check Valve, Single Disc Type, Iron Body Wafer Type, 125 LB .....	1,504.57	406.83
For 150 LB Rating, Add	209.17	
For 200 LB Rating, Add	249.01	
For 300 LB Rating, Add	298.81	
For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	549.92	
23 05 23 00-0342    EA    8" Check Valve, Single Disc Type, Iron Body Wafer Type, 125 LB .....	2,111.24	467.85
For 150 LB Rating, Add	320.99	
For 200 LB Rating, Add	382.14	
For 300 LB Rating, Add	458.56	
For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	804.38	
23 05 23 00-0343    EA    10" Check Valve, Single Disc Type, Iron Body Wafer Type, 125 LB .....	3,158.54	569.56
For 150 LB Rating, Add	512.69	
For 200 LB Rating, Add	610.35	
For 300 LB Rating, Add	732.41	
For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	1,242.05	
<b>23 05 23 00-0344</b> <b>Twin Disc Type</b> <small>(23 05 23 00-0335)</small>		
23 05 23 00-0345    EA    2" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB .....	640.94	147.20
For 150 LB Rating, Add	95.95	
For 200 LB Rating, Add	114.22	
For 300 LB Rating, Add	137.07	
For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	242.41	
23 05 23 00-0346    EA    2-1/2" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB.....	733.24	147.48
For 150 LB Rating, Add	115.15	
For 200 LB Rating, Add	137.08	
For 300 LB Rating, Add	164.50	
For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	283.73	
23 05 23 00-0347    EA    3" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB.....	856.15	172.91
For 150 LB Rating, Add	134.35	
For 200 LB Rating, Add	159.94	
For 300 LB Rating, Add	191.93	
For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	331.17	
23 05 23 00-0348    EA    4" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB.....	1,175.69	289.86
For 150 LB Rating, Add	170.61	
For 200 LB Rating, Add	203.11	
For 300 LB Rating, Add	243.74	
For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	438.25	
23 05 23 00-0349    EA    6" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB.....	1,818.63	406.83
For 150 LB Rating, Add	275.12	
For 200 LB Rating, Add	327.53	
For 300 LB Rating, Add	393.03	
For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	691.25	
23 05 23 00-0350    EA    8" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB.....	2,581.93	467.85
For 150 LB Rating, Add	420.16	
For 200 LB Rating, Add	500.19	
For 300 LB Rating, Add	600.23	
For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	1,016.57	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 05 Common Work Results for HVAC****23 05 23 General-Duty Valves For HVAC Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0351 EA 10" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB.....	3,880.81	559.39
For 150 LB Rating, Add	665.40	
For 200 LB Rating, Add	792.15	
For 300 LB Rating, Add	950.57	
For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	1,568.31	
23 05 23 00-0352 EA 12" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB.....	5,107.14	691.60
For 150 LB Rating, Add	891.49	
For 200 LB Rating, Add	1,061.30	
For 300 LB Rating, Add	1,273.56	
For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	2,082.73	
<b>23 05 23 00-0353 Lift Check Valves (23 05 23 00-0334)</b>		
<b>23 05 23 00-0354 Bronze Body, Threaded, Vertical Lift Check Valves (23 05 23 00-0353)</b>		
Note: Watts #600 series.		
23 05 23 00-0355 EA 3/8" Lift Check Valve, Bronze, Threaded.....	119.29	11.04
23 05 23 00-0356 EA 1/2" Lift Check Valve, Bronze, Threaded.....	126.24	11.04
23 05 23 00-0357 EA 3/4" Lift Check Valve, Bronze, Threaded.....	160.87	11.59
23 05 23 00-0358 EA 1" Lift Check Valve, Bronze, Threaded.....	212.15	11.59
23 05 23 00-0359 EA 1-1/4" Lift Check Valve, Bronze, Threaded.....	294.40	14.69
23 05 23 00-0360 EA 1-1/2" Lift Check Valve, Bronze, Threaded.....	358.32	17.00
23 05 23 00-0361 EA 2" Lift Check Valve, Bronze, Threaded.....	511.43	20.08
<b>23 05 23 00-0362 Bronze Body, Threaded, 300 LB, Lift Check Valves (23 05 23 00-0353)</b>		
Note: Crane 366E.		
23 05 23 00-0363 EA 1/2" Lift Check Valve, Bronze, Threaded, 300 LB.....	745.47	11.04
23 05 23 00-0364 EA 3/4" Lift Check Valve, Bronze, Threaded, 300 LB.....	905.34	11.59
23 05 23 00-0365 EA 1" Lift Check Valve, Bronze, Threaded, 300 LB.....	1,625.35	11.59
23 05 23 00-0366 EA 1-1/4" Lift Check Valve, Bronze, Threaded, 300 LB.....	2,166.32	14.69
23 05 23 00-0367 EA 1-1/2" Lift Check Valve, Bronze, Threaded, 300 LB.....	2,352.82	17.00
23 05 23 00-0368 EA 2" Lift Check Valve, Bronze, Threaded, 300 LB.....	3,022.75	20.08
<b>23 05 23 00-0369 Iron Body, Flanged, 125 LB Vertical Lift Check Valves (23 05 23 00-0353)</b>		
Note: Mueller 105MAP.		
23 05 23 00-0370 EA 2" Lift Check Valve, Iron Body, Flanged, 125 LB.....	1,083.83	147.14
23 05 23 00-0371 EA 2-1/2" Lift Check Valve, Iron Body, Flanged, 125 LB.....	1,235.96	147.39
23 05 23 00-0372 EA 3" Lift Check Valve, Iron Body, Flanged, 125 LB.....	1,349.64	172.81
23 05 23 00-0373 EA 4" Lift Check Valve, Iron Body, Flanged, 125 LB.....	1,886.11	289.69
23 05 23 00-0374 EA 5" Lift Check Valve, Iron Body, Flanged, 125 LB.....	2,349.02	312.28
23 05 23 00-0375 EA 6" Lift Check Valve, Iron Body, Flanged, 125 LB.....	2,889.73	346.99
23 05 23 00-0376 EA 8" Lift Check Valve, Iron Body, Flanged, 125 LB.....	5,043.13	443.37
23 05 23 00-0377 EA 10" Lift Check Valve, Iron Body, Flanged, 125 LB.....	6,330.81	539.76
23 05 23 00-0378 EA 12" Lift Check Valve, Iron Body, Flanged, 125 LB.....	10,227.99	655.41
<b>23 05 23 00-0379 Bronze Body Swing Check Valves (23 05 23 00-0334)</b>		
<b>23 05 23 00-0380 Bronze Body, Threaded, Brazed Or Soldered Installation, 125 LB, Swing Check Valves (23 05 23 00-0379)</b>		
23 05 23 00-0381 EA 1/8" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB.....	80.48	11.04
For 300 LB Rating, Add	17.50	
For Work In Restricted Working Space, Add	10.68	
23 05 23 00-0382 EA 1/4" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB.....	77.01	11.04
For 300 LB Rating, Add	17.50	
For Work In Restricted Working Space, Add	9.64	
23 05 23 00-0383 EA 3/8" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB.....	78.70	11.04
For 300 LB Rating, Add	17.50	
For Work In Restricted Working Space, Add	10.15	
23 05 23 00-0384 EA 1/2" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB.....	82.23	11.04
For 300 LB Rating, Add	18.18	
For Work In Restricted Working Space, Add	10.68	
23 05 23 00-0385 EA 3/4" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB.....	104.48	11.59
For 300 LB Rating, Add	22.03	
For Work In Restricted Working Space, Add	14.40	
23 05 23 00-0386 EA 1" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB.....	134.81	11.59
For 300 LB Rating, Add	29.92	
For Work In Restricted Working Space, Add	17.43	
23 05 23 00-0387 EA 1-1/4" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB.....	181.26	14.69
For 300 LB Rating, Add	41.99	
For Work In Restricted Working Space, Add	22.08	
23 05 23 00-0388 EA 1-1/2" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB.....	235.69	17.00
For 300 LB Rating, Add	58.80	
For Work In Restricted Working Space, Add	25.47	
23 05 23 00-0389 EA 2" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB.....	294.20	20.08
For 300 LB Rating, Add	75.61	
For Work In Restricted Working Space, Add	30.10	
23 05 23 00-0390 EA 2-1/2" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB.....	581.18	27.14
For 300 LB Rating, Add	173.80	
For Work In Restricted Working Space, Add	40.66	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0391 EA 3" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB ..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	790.20 247.19 46.91	31.51
23 05 23 00-0392 EA 4" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB ..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	895.13 279.72 53.37	35.57
<b>23 05 23 00-0393 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves</b> <small>(23 05 23 00-0334)</small>		
23 05 23 00-0394 EA 1" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves ..... <i>For 150 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	403.80 203.78 389.57 31.24	82.78
23 05 23 00-0395 EA 1-1/4" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves ..... <i>For 150 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	450.13 224.50 429.20 35.99	96.58
23 05 23 00-0396 EA 1-1/2" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves ..... <i>For 150 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	503.31 243.49 465.50 43.57	115.90
23 05 23 00-0397 EA 2" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves ..... <i>For 150 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	628.70 302.42 578.15 55.19	147.14
23 05 23 00-0398 EA 2-1/2" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves ..... <i>For 150 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	703.85 352.94 674.74 55.45	147.39
23 05 23 00-0399 EA 3" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves ..... <i>For 150 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	780.30 383.54 733.24 64.88	172.81
23 05 23 00-0400 EA 4" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves ..... <i>For 150 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,234.70 592.74 1,133.17 108.91	289.69
23 05 23 00-0401 EA 5" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves ..... <i>For 150 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,669.55 870.26 1,663.73 116.93	312.28
23 05 23 00-0402 EA 6" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves ..... <i>For 150 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,919.15 1,009.02 1,929.02 130.59	346.99
23 05 23 00-0403 EA 8" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves ..... <i>For 150 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	4,255.42 2,519.16 4,816.05 165.23	443.37
23 05 23 00-0404 EA 10" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves ..... <i>For 150 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	5,717.51 3,429.12 6,555.67 202.41	539.76
23 05 23 00-0405 EA 12" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves ..... <i>For 150 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	8,681.84 5,347.54 10,223.24 245.34	655.41
<b>23 05 23 00-0406 Plastic Check Valve</b> <small>(23 05 23 00-0334)</small>		
<b>23 05 23 00-0407 Polyvinyl Chloride (PVC) Check Valve</b> <small>(23 05 23 00-0406)</small>		
<b>23 05 23 00-0408 Polyvinyl Chloride (PVC) "Y" Check Valve</b> <small>(23 05 23 00-0407)</small>		
23 05 23 00-0409 EA 1/2" Polyvinyl Chloride (PVC) "Y" Type Check Valve, Threaded Or Socket .....	93.63	11.04
23 05 23 00-0410 EA 3/4" Polyvinyl Chloride (PVC) "Y" Type Check Valve, Threaded Or Socket .....	110.29	12.14
23 05 23 00-0411 EA 1" Polyvinyl Chloride (PVC) "Y" Type Check Valve, Threaded Or Socket .....	126.48	13.80
23 05 23 00-0412 EA 1-1/4" Polyvinyl Chloride (PVC) "Y" Type Check Valve, Threaded Or Socket .....	181.08	14.69
23 05 23 00-0413 EA 1-1/2" Polyvinyl Chloride (PVC) "Y" Type Check Valve, Threaded Or Socket .....	201.36	17.00
23 05 23 00-0414 EA 2" Polyvinyl Chloride (PVC) "Y" Type Check Valve, Threaded Or Socket .....	330.13	18.50
23 05 23 00-0415 EA 2-1/2" Polyvinyl Chloride (PVC) "Y" Type Check Valve, Threaded Or Socket .....	423.17	27.14
23 05 23 00-0416 EA 3" Polyvinyl Chloride (PVC) "Y" Type Check Valve, Threaded Or Socket .....	462.93	31.51
23 05 23 00-0417 EA 4" Polyvinyl Chloride (PVC) "Y" Type Check Valve, Threaded Or Socket .....	679.51	35.57
23 05 23 00-0418 EA 3" Polyvinyl Chloride (PVC) "Y" Type Check Valve, Flanged .....	646.23	172.81
<b>23 05 23 00-0419 Polyvinyl Chloride (PVC) True Union Ball Check Valve</b> <small>(23 05 23 00-0407)</small>		
<b>23 05 23 00-0420 Valves</b> <small>(23 05 23 00-0419)</small>		
23 05 23 00-0421 EA 1/2" Polyvinyl Chloride (PVC) True Union Ball Check Valve.....	70.44	11.04
23 05 23 00-0422 EA 3/4" Polyvinyl Chloride (PVC) True Union Ball Check Valve.....	87.80	12.14
23 05 23 00-0423 EA 1" Polyvinyl Chloride (PVC) True Union Ball Check Valve.....	107.86	13.80
23 05 23 00-0424 EA 1-1/4" Polyvinyl Chloride (PVC) True Union Ball Check Valve .....	139.94	14.69
23 05 23 00-0425 EA 1-1/2" Polyvinyl Chloride (PVC) True Union Ball Check Valve .....	164.53	17.00
23 05 23 00-0426 EA 2" Polyvinyl Chloride (PVC) True Union Ball Check Valve.....	244.66	20.08

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 05 Common Work Results for HVAC**

**23 05 23 General-Duty Valves For HVAC Piping**



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0427 EA 3" Polyvinyl Chloride (PVC) True Union Ball Check Valve.....	402.60	27.14
23 05 23 00-0428 EA 4" Polyvinyl Chloride (PVC) True Union Ball Check Valve.....	692.17	31.51
<b>23 05 23 00-0429 Foot Valve Screen (23 05 23 00-0419)</b>		
Note: For use with PVC true union ball check valves above.		
23 05 23 00-0430 EA 1/2" Foot Valve Screen Option.....	59.16	
23 05 23 00-0431 EA 3/4" Foot Valve Screen Option.....	70.74	
23 05 23 00-0432 EA 1" Foot Valve Screen Option.....	81.97	
23 05 23 00-0433 EA 1-1/4" Foot Valve Screen Option .....	123.75	
23 05 23 00-0434 EA 1-1/2" Foot Valve Screen Option .....	136.92	
23 05 23 00-0435 EA 2" Foot Valve Screen Option.....	148.15	
23 05 23 00-0436 EA 2-1/2" Foot Valve Screen Option .....	176.76	
23 05 23 00-0437 EA 3" Foot Valve Screen Option.....	205.38	
23 05 23 00-0438 EA 4" Foot Valve Screen Option.....	249.26	
<b>23 05 23 00-0439 Hayward "True Check" With VITON Seals (23 05 23 00-0419)</b>		
23 05 23 00-0440 EA 1/4" Polyvinyl Chloride (PVC) True Union Ball Check Valve, Socket Or Threaded.....	63.66	11.04
23 05 23 00-0441 EA 3/8" Polyvinyl Chloride (PVC) True Union Ball Check Valve, Socket Or Threaded.....	65.35	11.04
23 05 23 00-0442 EA 1/2" Polyvinyl Chloride (PVC) True Union Ball Check Valve, Socket Or Threaded.....	71.27	11.04
23 05 23 00-0443 EA 3/4" Polyvinyl Chloride (PVC) True Union Ball Check Valve, Socket Or Threaded.....	87.72	12.14
23 05 23 00-0444 EA 1" Polyvinyl Chloride (PVC) True Union Ball Check Valve, Socket Or Threaded.....	109.03	13.80
23 05 23 00-0445 EA 1-1/4" Polyvinyl Chloride (PVC) True Union Ball Check Valve, Socket Or Threaded .....	139.86	14.69
23 05 23 00-0446 EA 1-1/2" Polyvinyl Chloride (PVC) True Union Ball Check Valve, Socket Or Threaded .....	169.51	17.00
23 05 23 00-0447 EA 2" Polyvinyl Chloride (PVC) True Union Ball Check Valve, Socket Or Threaded.....	213.14	20.08
23 05 23 00-0448 EA 2-1/2" Polyvinyl Chloride (PVC) True Union Ball Check Valve, Socket Or Threaded.....	397.62	27.14
23 05 23 00-0449 EA 3" Polyvinyl Chloride (PVC) True Union Ball Check Valve, Socket Or Threaded.....	435.06	31.51
23 05 23 00-0450 EA 4" Polyvinyl Chloride (PVC) True Union Ball Check Valve, Socket Or Threaded.....	692.95	35.57
<b>23 05 23 00-0451 Hayward "True Check" With Ethylene Propylene Diene Monomer (EPDM) Seals (23 05 23 00-0419)</b>		
23 05 23 00-0452 EA 1/2" Polyvinyl Chloride (PVC) True Union Ball Check Valve, Socket Or Threaded.....	67.13	11.04
23 05 23 00-0453 EA 3/4" Polyvinyl Chloride (PVC) True Union Ball Check Valve, Socket Or Threaded.....	83.65	12.14
23 05 23 00-0454 EA 1" Polyvinyl Chloride (PVC) True Union Ball Check Valve, Socket Or Threaded.....	103.39	13.80
23 05 23 00-0455 EA 1-1/4" Polyvinyl Chloride (PVC) True Union Ball Check Valve, Socket Or Threaded.....	133.72	14.69
23 05 23 00-0456 EA 1-1/2" Polyvinyl Chloride (PVC) True Union Ball Check Valve, Socket Or Threaded .....	158.23	17.00
23 05 23 00-0457 EA 2" Polyvinyl Chloride (PVC) True Union Ball Check Valve, Socket Or Threaded.....	203.19	20.08
23 05 23 00-0458 EA 2-1/2" Polyvinyl Chloride (PVC) True Union Ball Check Valve, Socket Or Threaded .....	382.69	27.14
23 05 23 00-0459 EA 3" Polyvinyl Chloride (PVC) True Union Ball Check Valve, Socket Or Threaded.....	422.62	31.51
23 05 23 00-0460 EA 4" Polyvinyl Chloride (PVC) True Union Ball Check Valve, Socket Or Threaded.....	673.87	35.57
<b>23 05 23 00-0461 Polyvinyl Chloride (PVC) Check Valve, Ethylene Propylene Diene Monomer (EPDM) Housing, Flanged (23 05 23 00-0407)</b>		
23 05 23 00-0462 EA 1" Thermoplastic Check Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Housing .....	340.29	66.23
23 05 23 00-0463 EA 1-1/4" Thermoplastic Check Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Housing .....	370.37	77.26
23 05 23 00-0464 EA 1-1/2" Thermoplastic Check Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Housing .....	406.01	96.58
23 05 23 00-0465 EA 2" Thermoplastic Check Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Housing .....	494.40	121.42
23 05 23 00-0466 EA 2-1/2" Thermoplastic Check Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Housing .....	598.24	122.05
23 05 23 00-0467 EA 3" Thermoplastic Check Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Housing .....	819.40	142.39
23 05 23 00-0468 EA 4" Thermoplastic Check Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Housing .....	1,128.79	241.55
23 05 23 00-0469 EA 6" Thermoplastic Check Valve, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Housing .....	1,853.39	406.83
<b>23 05 23 00-0470 Swing Check Valves, 150 LB Polyvinyl Chloride (PVC) Socket Weld End Connections (23 05 23 00-0406)</b>		
23 05 23 00-0471 EA 1/2" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 LB.....	83.77	11.04
<i>For Work In Restricted Working Space, Add</i>		
	10.68	
23 05 23 00-0472 EA 3/4" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 LB.....	96.15	12.14
<i>For Work In Restricted Working Space, Add</i>		
	14.40	
23 05 23 00-0473 EA 1" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 LB.....	108.15	13.80
<i>For Work In Restricted Working Space, Add</i>		
	17.43	
23 05 23 00-0474 EA 1-1/4" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 LB.....	125.71	14.69
<i>For Work In Restricted Working Space, Add</i>		
	22.08	
23 05 23 00-0475 EA 1-1/2" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 LB.....	140.05	17.00
<i>For Work In Restricted Working Space, Add</i>		
	25.47	
23 05 23 00-0476 EA 2" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 LB.....	186.07	20.08
<i>For Work In Restricted Working Space, Add</i>		
	30.10	
23 05 23 00-0477 EA 2-1/2" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 LB.....	257.59	27.14
<i>For Work In Restricted Working Space, Add</i>		
	40.66	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0478 EA 3" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 LB..... <i>For Work In Restricted Working Space, Add</i>	314.76 46.91	31.51
<b>23 05 23 00-0479 Polyvinyl Chloride (PVC) Body, Swing Check Valves (23 05 23 00-0406)</b>		
<b>23 05 23 00-0480 Polyvinyl Chloride (PVC) Body, Swing Check Valves With Ethylene Propylene Diene Monomer (EPDM) Seals (23 05 23 00-0479)</b>		
23 05 23 00-0481 EA 3" Polyvinyl Chloride (PVC) Swing Check Valve, With Ethylene Propylene Diene Monomer (EPDM) Seals ..... <i>For Work In Restricted Working Space, Add</i>	644.32 54.45	142.31
23 05 23 00-0482 EA 4" Polyvinyl Chloride (PVC) Swing Check Valve, With Ethylene Propylene Diene Monomer (EPDM) Seals ..... <i>For Work In Restricted Working Space, Add</i>	816.52 89.69	241.41
23 05 23 00-0483 EA 6" Polyvinyl Chloride (PVC) Swing Check Valve, With Ethylene Propylene Diene Monomer (EPDM) Seals ..... <i>For Work In Restricted Working Space, Add</i>	1,307.56 119.06	289.15
23 05 23 00-0484 EA 8" Polyvinyl Chloride (PVC) Swing Check Valve, With Ethylene Propylene Diene Monomer (EPDM) Seals ..... <i>For Work In Restricted Working Space, Add</i>	1,751.62 134.94	366.26
<b>23 05 23 00-0485 Polyvinyl Chloride (PVC) Body, Swing Check Valves With Viton Seals (23 05 23 00-0479)</b>		
23 05 23 00-0486 EA 3" Polyvinyl Chloride (PVC) Swing Check Valve, With Viton Seals ..... <i>For Work In Restricted Working Space, Add</i>	763.75 54.45	142.31
23 05 23 00-0487 EA 4" Polyvinyl Chloride (PVC) Swing Check Valve, With Viton Seals ..... <i>For Work In Restricted Working Space, Add</i>	1,080.26 89.69	241.41
23 05 23 00-0488 EA 6" Polyvinyl Chloride (PVC) Swing Check Valve, With Viton Seals ..... <i>For Work In Restricted Working Space, Add</i>	1,557.38 119.06	289.15
23 05 23 00-0489 EA 8" Polyvinyl Chloride (PVC) Swing Check Valve, With Viton Seals ..... <i>For Work In Restricted Working Space, Add</i>	2,050.20 134.94	366.26
<b>23 05 23 00-0490 Polyvinyl Chloride (PVC) Body, Swing Check Valves With Ethylene Propylene Diene Monomer (EPDM) Seals And Counter Weights (23 05 23 00-0479)</b>		
23 05 23 00-0491 EA 3" Polyvinyl Chloride (PVC) Swing Check Valve, With Ethylene Propylene Diene Monomer (EPDM) Seals And Counter weights..... <i>For Work In Restricted Working Space, Add</i>	795.27 54.45	142.31
23 05 23 00-0492 EA 4" Polyvinyl Chloride (PVC) Swing Check Valve, With Ethylene Propylene Diene Monomer (EPDM) Seals And Counter weights..... <i>For Work In Restricted Working Space, Add</i>	1,082.75 89.69	241.41
23 05 23 00-0493 EA 6" Polyvinyl Chloride (PVC) Swing Check Valve, With Ethylene Propylene Diene Monomer (EPDM) Seals And Counter weights..... <i>For Work In Restricted Working Space, Add</i>	1,446.90 119.06	289.15
23 05 23 00-0494 EA 8" Polyvinyl Chloride (PVC) Swing Check Valve, With Ethylene Propylene Diene Monomer (EPDM) Seals And Counter weights..... <i>For Work In Restricted Working Space, Add</i>	1,866.41 134.94	366.26
<b>23 05 23 00-0495 Polyvinyl Chloride (PVC) Body, Swing Check Valves With Viton Seals And Counter Weights (23 05 23 00-0479)</b>		
23 05 23 00-0496 EA 3" Polyvinyl Chloride (PVC) Swing Check Valve, With Viton Seals And Counter Weights ..... <i>For Work In Restricted Working Space, Add</i>	894.79 54.45	142.31
23 05 23 00-0497 EA 4" Polyvinyl Chloride (PVC) Swing Check Valve, With Viton Seals And Counter Weights ..... <i>For Work In Restricted Working Space, Add</i>	1,227.90 89.69	241.41
23 05 23 00-0498 EA 6" Polyvinyl Chloride (PVC) Swing Check Valve, With Viton Seals And Counter Weights ..... <i>For Work In Restricted Working Space, Add</i>	1,654.25 119.06	289.15
23 05 23 00-0499 EA 8" Polyvinyl Chloride (PVC) Swing Check Valve, With Viton Seals And Counter Weights ..... <i>For Work In Restricted Working Space, Add</i>	2,115.23 134.94	366.26
<b>23 05 23 00-0500 Butterfly Valves (23 05 23)</b>		
<b>23 05 23 00-0501 Cast Iron Body, Iron Disc, 150 PSI, Wafer Type, Butterfly Valves (23 05 23 00-0500)</b> Note: With on-off handle		
23 05 23 00-0502 EA 2" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type..... <i>For 200 PSI, Add</i> <i>For Work In Restricted Working Space, Add</i>	356.92 83.02 55.19	147.14
23 05 23 00-0503 EA 2-1/2" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type ..... <i>For 200 PSI, Add</i> <i>For Work In Restricted Working Space, Add</i>	367.83 87.84 55.45	147.39
23 05 23 00-0504 EA 3" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type..... <i>For 200 PSI, Add</i> <i>For Work In Restricted Working Space, Add</i>	413.36 94.60 64.88	172.81
23 05 23 00-0505 EA 4" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type..... <i>For 200 PSI, Add</i> <i>For Work In Restricted Working Space, Add</i>	610.40 118.74 108.91	289.69
23 05 23 00-0506 EA 5" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type..... <i>For 200 PSI, Add</i> <i>For Work In Restricted Working Space, Add</i>	787.23 168.93 130.59	346.99
23 05 23 00-0507 EA 6" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type..... <i>For 200 PSI, Add</i> <i>For Work In Restricted Working Space, Add</i>	912.30 206.58 144.58	385.54
23 05 23 00-0508 EA 8" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type..... <i>For 200 PSI, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,198.35 310.84 165.23	443.37

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 05 Common Work Results for HVAC**

**23 05 23 General-Duty Valves For HVAC Piping**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0509	EA		10" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type..... <i>For 200 PSI, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,929.62 602.37 202.41	539.76
23 05 23 00-0510	EA		12" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type..... <i>For 200 PSI, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,416.64 767.44 245.34	655.41
<b>23 05 23 00-0511 Cast Iron Body, Bronze Disc, Gear Operated, 200 LB, Lug Type, Butterfly Valves</b> <small>(23 05 23 00-0500)</small>					
23 05 23 00-0512	EA		2" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI..... <i>For Work In Restricted Working Space, Add</i>	658.59 55.19	147.14
23 05 23 00-0513	EA		2-1/2" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI..... <i>For Work In Restricted Working Space, Add</i>	663.46 55.45	147.39
23 05 23 00-0514	EA		3" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI..... <i>For Work In Restricted Working Space, Add</i>	719.05 64.88	172.81
23 05 23 00-0515	EA		4" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI..... <i>For Work In Restricted Working Space, Add</i>	930.16 108.91	289.69
23 05 23 00-0516	EA		5" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI..... <i>For Work In Restricted Working Space, Add</i>	1,141.19 130.59	346.99
23 05 23 00-0517	EA		6" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI..... <i>For Work In Restricted Working Space, Add</i>	1,264.13 144.58	385.54
23 05 23 00-0518	EA		8" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI..... <i>For Work In Restricted Working Space, Add</i>	1,564.37 165.23	443.37
23 05 23 00-0519	EA		10" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI..... <i>For Work In Restricted Working Space, Add</i>	1,983.92 202.41	539.76
23 05 23 00-0520	EA		12" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI..... <i>For Work In Restricted Working Space, Add</i>	2,720.31 245.34	655.41

**END OF SECTION 23**



MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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## 26 Electrical

Note: Termination costs are included with all electrical equipment, panel boards, fixtures and devices. Terminations are not included with patch panels. Electrical equipment and lighting shall conform to California Title 24.

### 26 01 Operation and Maintenance of Electrical Systems <sup>(26)</sup>

#### 26 01 10 Operation and Maintenance of Medium-Voltage Electrical

##### Distribution <sup>(26 01)</sup>

#### 26 01 10 91 Medium-Voltage Electrical Distribution Restoration <sup>(26 01 10)</sup>

##### 26 01 10 91-0001 Retrofit Distribution Enclosures <sup>(26 01 10 91)</sup>

Note: Includes removal of equipment housing, punch or drill hole for window, touch-up area, and reinstallation of equipment housing.

26 01 10 91-0002	EA	2" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Flir IRW-2C) .....	524.15
		Note: 2mm thick, aluminum frame, hinged cover.	
		<i>For Up To 20, Add</i>	116.97
		<i>For &gt;20 To 50, Add</i>	93.58
		<i>For &gt;50 To 100, Add</i>	46.79
26 01 10 91-0003	EA	3" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Flir IRW-3C) .....	691.86
		Note: 2mm thick, aluminum frame, hinged cover.	
		<i>For Up To 20, Add</i>	158.90
		<i>For &gt;20 To 50, Add</i>	127.12
		<i>For &gt;50 To 100, Add</i>	63.56
26 01 10 91-0004	EA	4" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Flir IRW-4C) .....	1,060.81
		Note: 4mm thick, aluminum frame, hinged cover.	
		<i>For Up To 20, Add</i>	251.14
		<i>For &gt;20 To 50, Add</i>	200.91
		<i>For &gt;50 To 100, Add</i>	100.46
26 01 10 91-0005	EA	3" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 1 Rated (Fluke CLKTO) .....	519.37
		Note: 2mm thick, aluminum frame, twist cover.	
		<i>For Up To 20, Add</i>	115.78
		<i>For &gt;20 To 50, Add</i>	92.62
		<i>For &gt;50 To 100, Add</i>	46.31
26 01 10 91-0006	EA	2" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Fluke CLKT-2) .....	522.32
		Note: 2mm thick, aluminum frame, twist cover.	
		<i>For Up To 20, Add</i>	116.52
		<i>For &gt;20 To 50, Add</i>	93.21
		<i>For &gt;50 To 100, Add</i>	46.61
26 01 10 91-0007	EA	3" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Fluke CLKT-3) .....	678.20
		Note: 2mm thick, aluminum frame, twist cover.	
		<i>For Up To 20, Add</i>	155.49
		<i>For &gt;20 To 50, Add</i>	124.39
		<i>For &gt;50 To 100, Add</i>	62.19
26 01 10 91-0008	EA	4" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Fluke CLKT-4) .....	1,030.48
		Note: 4mm thick, aluminum frame, twist cover.	
		<i>For Up To 20, Add</i>	243.56
		<i>For &gt;20 To 50, Add</i>	194.84
		<i>For &gt;50 To 100, Add</i>	97.42
26 01 10 91-0009	EA	2" Infrared Window Pane Installed In Medium Voltage Equipment, NEMA Type 4 Rated (Schneider Electric VEFR) .....	403.41
		Note: 0.25mm thick, composite frame, metal grille reinforced polymer.	
		<i>For Up To 20, Add</i>	86.79
		<i>For &gt;20 To 50, Add</i>	69.43
		<i>For &gt;50 To 100, Add</i>	34.72
26 01 10 91-0010	EA	3" Infrared Window Pane Installed In Medium Voltage Equipment, NEMA Type 4 Rated (Schneider Electric VEFR) .....	584.53
		Note: 0.25mm thick, composite frame, metal grille reinforced polymer.	
		<i>For Up To 20, Add</i>	132.07
		<i>For &gt;20 To 50, Add</i>	105.65
		<i>For &gt;50 To 100, Add</i>	52.83
26 01 10 91-0011	EA	4" Infrared Window Pane Installed In Medium Voltage Equipment, NEMA Type 4 Rated (Schneider Electric VEFR) .....	848.66
		Note: 0.25mm thick, composite frame, metal grille reinforced polymer.	
		<i>For Up To 20, Add</i>	198.10
		<i>For &gt;20 To 50, Add</i>	158.48
		<i>For &gt;50 To 100, Add</i>	79.24
26 01 10 91-0012	EA	2" Infrared Window Installed In Medium Voltage Equipment, Longwave, NEMA Type 4 Rated (Schneider Electric IRHVIR) .....	770.29
		Note: 4mm thick, aluminum frame, magnetic cover.	
		<i>For Up To 20, Add</i>	178.51
		<i>For &gt;20 To 50, Add</i>	142.81
		<i>For &gt;50 To 100, Add</i>	71.40
26 01 10 91-0013	EA	3" Infrared Window Installed In Medium Voltage Equipment, Longwave, NEMA Type 4 Rated (Schneider Electric IRHVIR) .....	1,073.32
		Note: 4mm thick, aluminum frame, magnetic cover.	
		<i>For Up To 20, Add</i>	254.27
		<i>For &gt;20 To 50, Add</i>	203.41
		<i>For &gt;50 To 100, Add</i>	101.71

**26 Electrical**  
**26 01 Operation and Maintenance of Electrical Systems**  
**26 01 10 Operation and Maintenance of Medium-Voltage Electrical Distribution**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01	10 91-0014	EA	4" Infrared Window Installed In Medium Voltage Equipment, Longwave, NEMA Type 4 Rated (Schneider Electric IRHVIR).....	1,998.85	
			Note: 4mm thick, aluminum frame, magnetic cover.		
			For Up To 20, Add	485.65	
			For >20 To 50, Add	388.52	
			For >50 To 100, Add	194.26	
26 01	10 91-0015	EA	3" Infrared Window Installed In Medium Voltage Equipment, Shortwave, NEMA Type 4 Rated (Schneider Electric IRHVIR).....	890.73	
			Note: 4mm thick, aluminum frame, magnetic cover.		
			For Up To 20, Add	208.62	
			For >20 To 50, Add	166.89	
			For >50 To 100, Add	83.45	
26 01	10 91-0016	EA	4" Infrared Window Installed In Medium Voltage Equipment, Shortwave, NEMA Type 4 Rated (Schneider Electric IRHVIR).....	1,329.50	
			Note: 4mm thick, aluminum frame, magnetic cover.		
			For Up To 20, Add	318.31	
			For >20 To 50, Add	254.65	
			For >50 To 100, Add	127.32	

**26 01 20 Operation and Maintenance of Low-Voltage Electrical Distribution** (26 01)

**26 01 20 91 Low-Voltage Electrical Distribution Restoration** (26 01 20)

**26 01 20 91-0001 Lock Out/Tag Out Devices** (26 01 20 91)  
 Note: Includes following OSHA procedures and completing Owner's paperwork. Excludes circuit tracing.

26 01 20 91-0002	EA	Lock Out/Tag Out Local Disconnect.....	32.59
		Note: Excludes tag or padlock See CSI section 26 01 20 91-0004 for padlock, 26 01 20 91-0005 for tag(s).	
26 01 20 91-0003	EA	Lock Out/Tag Out Breaker Or Motor Starter.....	32.59
		Note: Excludes tag or padlock See CSI section 26 01 20 91-0004 for padlock, 26 01 20 91-0005 for tag(s).	
26 01 20 91-0004	EA	Lock Out Padlock Device.....	9.06
		Note: Includes the installation and removal of pad lock when required	
26 01 20 91-0005	EA	Lock Out Tags.....	4.43
		Note: Includes filling out tag information, installation and removal of identifying tags.	

26 01 20 91-0006 Existing Circuit Tracing (26 01 20 91)

26 01 20 91-0007	EA	Motors, Diconnects And Other Single Source Devices, Existing Circuit Tracing Per Device.....	18.82
26 01 20 91-0008	EA	Lighting, Existing Circuit Tracing Per Circuit.....	18.82

**26 01 30 Operation and Maintenance of Facility Electrical Power Generating and Storing Equipment** (26 01)

**26 01 30 91 Facility Electrical Power Generating and Storing Equipment Restoration** (26 01 30)

26 01 30 91-0001		Emergency Generator Permits <small>(26 01 30 91)</small>	
26 01 30 91-0002		Air Pollution Control Board <small>(26 01 30 91-0001)</small>	
26 01 30 91-0003	EA	APCD Permit To Construct And Operate Emergency Generator.....	4,871.26

**26 01 50 Operation and Maintenance of Lighting** (26 01)

**26 01 50 51 Luminaire Relamping** (26 01 50)

26 01 50 51-0001 Replace Lamps In Existing Fixtures (26 01 50 51)  
 Note: Includes removal of existing lamp from fixture and installation of new lamp. Excludes disposal of hazardous lamps.

26 01 50 51-0002 Halogen Lamps (26 01 50 51-0001)

26 01 50 51-0003	EA	300 Watt, T3, Tungsten Halogen Lamp.....	43.50
26 01 50 51-0004	EA	500 Watt, T3, Tungsten Halogen Lamp.....	56.45
26 01 50 51-0005	EA	1,000 Watt, T3, Tungsten Halogen Lamp.....	84.76
26 01 50 51-0006	EA	90 Watt, PAR38, Halogen Lamp.....	19.55
26 01 50 51-0007	EA	100 Watt, PAR38, Halogen Lamp.....	19.55
26 01 50 51-0008	EA	60 Watt, PAR38, Halogen IR Reflective Lamp.....	33.13
26 01 50 51-0009	EA	67 Watt, PAR38, Halogen IR Reflective Lamp.....	36.79
26 01 50 51-0010	EA	70 Watt, PAR38, Halogen IR Reflective Lamp.....	35.84
26 01 50 51-0011	EA	90 Watt, PAR38, Halogen IR Reflective Lamp.....	38.64
26 01 50 51-0012	EA	100 Watt, PAR38, Halogen IR Reflective Lamp.....	39.23
26 01 50 51-0013	EA	12 Watt, 10 Degree Beam, Base B01, Halogen Lamp (Soraa MR16-65-B01-12-830-10).....	18.59
26 01 50 51-0014	EA	12 Watt, 20 Degree Beam, Base B01, Halogen Lamp (Soraa MR16-75-B01-12-830-20).....	18.59
26 01 50 51-0015	EA	12 Watt, 25 Degree Beam, Base B01, Halogen Lamp (Soraa MR16-75-B01-12-830-25).....	20.50
26 01 50 51-0016	EA	12 Watt, 36 Degree Beam, Base B01, Halogen Lamp (Soraa MR16-75-B01-12-830-36).....	20.50

26 01 50 51-0017 Incandescent Lamps (26 01 50 51-0001)

26 01 50 51-0018	EA	100 Watt, Frosted, Interior Incandescent Lamp.....	5.25
		For Multiple Lamps In Fixture, Deduct	-1.50



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 51-0019 EA 150 Watt, Frosted, Interior Incandescent Lamp ..... <i>For Multiple Lamps In Fixture, Deduct</i>	6.70 -1.50	
26 01 50 51-0020 EA 200 Watt, Frosted, Interior Incandescent Lamp ..... <i>For Multiple Lamps In Fixture, Deduct</i>	8.35 -1.50	
26 01 50 51-0021 EA 300 Watt, PS25, Interior Incandescent Lamp ..... <i>For Multiple Lamps In Fixture, Deduct</i>	10.41 -1.50	
26 01 50 51-0022 EA 60 Watt, G25, Clear, Interior Incandescent Lamp ..... <i>For Multiple Lamps In Fixture, Deduct</i>	7.63 -1.50	
26 01 50 51-0023 EA 75 Watt, R20, Interior Incandescent Lamp ..... <i>For Multiple Lamps In Fixture, Deduct</i>	12.36 -1.80	
26 01 50 51-0024 EA 75 Watt, PAR38, Exterior Incandescent Lamp ..... <i>For Multiple Lamps In Fixture, Deduct</i>	15.25 -1.80	
26 01 50 51-0025 EA 100 Watt, PAR38, Exterior Incandescent Lamp ..... <i>For Multiple Lamps In Fixture, Deduct</i>	14.10 -1.80	
26 01 50 51-0026 EA 150 Watt, PAR38, Exterior Incandescent Lamp ..... <i>For Multiple Lamps In Fixture, Deduct</i>	25.06 -1.80	
26 01 50 51-0027 EA 250 Watt, PAR38, Exterior Incandescent Lamp ..... <i>For Multiple Lamps In Fixture, Deduct</i>	52.53 -2.10	
26 01 50 51-0028 EA 300 Watt, PAR56, Exterior Incandescent Lamp ..... <i>For Multiple Lamps In Fixture, Deduct</i>	60.58 -2.10	
<b>26 01 50 51-0029 Exit Light Lamps</b> <small>(26 01 50 51-0001)</small>		
26 01 50 51-0030 EA Convert Exit Light Lamps To Red LED Lamps ..... <i>For Green LED Lamps, Add</i>	88.84 25.00	
26 01 50 51-0031 EA Fluorescent Lamp For Exit Light ..... <i>For Multiple Lamps In Fixture, Deduct</i>	25.43 -6.00	
26 01 50 51-0032 EA Lamp Replacement For Emergency Lights On Exit Sign ..... <i>For Multiple Lamps In Fixture, Deduct</i>	35.34 -3.00	
<b>26 01 50 51-0033 Fluorescent Lamps</b> <small>(26 01 50 51-0001)</small>		
26 01 50 51-0034 EA 18", 15 Watt, T8 Fluorescent Lamp ..... <i>For Multiple Lamps In Fixture, Deduct</i>	10.31 -2.40	
26 01 50 51-0035 EA 2', 17 Watt, T8 Fluorescent Lamp ..... <i>For Multiple Lamps In Fixture, Deduct</i>	12.94 -2.40	
26 01 50 51-0036 EA 3', 25 Watt, T8 Fluorescent Lamp ..... <i>For Multiple Lamps In Fixture, Deduct</i>	14.93 -2.70	
26 01 50 51-0037 EA 4', 32 Watt, T8 Fluorescent Lamp ..... <i>For Multiple Lamps In Fixture, Deduct</i>	14.80 -2.70	
26 01 50 51-0038 EA 4', 30 Watt, T8 Fluorescent Lamp ..... <i>For Multiple Lamps In Fixture, Deduct</i>	19.47 -2.70	
26 01 50 51-0039 EA 4', 28 Watt, T8 Fluorescent Lamp ..... <i>For Multiple Lamps In Fixture, Deduct</i>	16.70 -2.70	
26 01 50 51-0040 EA 4', 25 Watt, T8 Fluorescent Lamp ..... <i>For Multiple Lamps In Fixture, Deduct</i>	16.59 -2.70	
26 01 50 51-0041 EA 4', 44 Watt, T8HO Fluorescent Lamp ..... <i>For Multiple Lamps In Fixture, Deduct</i>	28.50 -2.70	
26 01 50 51-0042 EA 8', 59 Watt, T8 Fluorescent Lamp ..... <i>For Multiple Lamps In Fixture, Deduct</i>	21.02 -2.70	
26 01 50 51-0043 EA 18", 15 Watt, T12 Fluorescent Lamp ..... <i>For Multiple Lamps In Fixture, Deduct</i>	16.94 -2.40	
26 01 50 51-0044 EA 2', 20 Watt, T12 Fluorescent Lamp ..... <i>For Multiple Lamps In Fixture, Deduct</i>	12.19 -2.40	
26 01 50 51-0045 EA 3', 30 Watt, T12 Fluorescent Lamp ..... <i>For Multiple Lamps In Fixture, Deduct</i>	13.68 -2.70	
26 01 50 51-0046 EA 4', 34 Watt, T12 Fluorescent Lamp ..... <i>For Multiple Lamps In Fixture, Deduct</i>	13.76 -2.70	
26 01 50 51-0047 EA 4', 40 Watt, T12 Fluorescent Lamp ..... <i>For Multiple Lamps In Fixture, Deduct</i>	13.42 -2.70	
26 01 50 51-0048 EA 8', 60 Watt, T12 Fluorescent Lamp ..... <i>For Multiple Lamps In Fixture, Deduct</i>	21.63 -2.70	
26 01 50 51-0049 EA 8', 75 Watt, T12 Fluorescent Lamp ..... <i>For Multiple Lamps In Fixture, Deduct</i>	17.80 -2.70	
26 01 50 51-0050 EA 8', 95 Watt, Instant Start T12 Fluorescent Lamp.....	32.40	
26 01 50 51-0051 EA 6" Diameter, 20 Watt, Circular T9 Fluorescent Lamp..... <i>For Multiple Lamps In Fixture, Deduct</i>	17.18 -2.40	
26 01 50 51-0052 EA 8" Diameter, 22 Watt, Circular T9 Fluorescent Lamp..... <i>For Multiple Lamps In Fixture, Deduct</i>	13.65 -2.40	
26 01 50 51-0053 EA 12" Diameter, 32 Watt, Circular T9 Fluorescent Lamp..... <i>For Multiple Lamps In Fixture, Deduct</i>	13.11 -2.40	
26 01 50 51-0054 EA 16" Diameter, 40 Watt, Circular T9 Fluorescent Lamp..... <i>For Multiple Lamps In Fixture, Deduct</i>	14.80 -2.40	
26 01 50 51-0055 EA 6", 4 Watt, T5 Fluorescent Lamp ..... <i>For Multiple Lamps In Fixture, Deduct</i>	11.73 -2.40	
26 01 50 51-0056 EA 9", 6 Watt, T5 Fluorescent Lamp ..... <i>For Multiple Lamps In Fixture, Deduct</i>	11.49 -2.40	
26 01 50 51-0057 EA 12", 8 Watt, T5 Fluorescent Lamp ..... <i>For Multiple Lamps In Fixture, Deduct</i>	11.95 -2.40	
26 01 50 51-0058 EA 21", 13 Watt, T5 Fluorescent Lamp ..... <i>For Multiple Lamps In Fixture, Deduct</i>	12.62 -2.40	
26 01 50 51-0059 EA 24", 14 Watt, T5 Fluorescent Lamp ..... <i>For Multiple Lamps In Fixture, Deduct</i>	14.95 -2.40	

**26 Electrical**  
**26 01 Operation and Maintenance of Electrical Systems**  
**26 01 50 Operation and Maintenance of Lighting**



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 51-0060 EA 34", 21 Watt, T5 Fluorescent Lamp ..... <i>For Multiple Lamps In Fixture, Deduct</i>	16.16 -2.70	
26 01 50 51-0061 EA 46", 28 Watt, T5 Fluorescent Lamp ..... <i>For Multiple Lamps In Fixture, Deduct</i>	15.56 -2.70	
26 01 50 51-0062 EA 46", 54 Watt, T5HO Fluorescent Lamp ..... <i>For Multiple Lamps In Fixture, Deduct</i>	17.31 -2.70	
26 01 50 51-0063 EA 46", 54 Watt T5 Fluorescent Lamp .....	13.90	
26 01 50 51-0064 EA 32 Watt, Rapid Start, U-Shaped T8 Fluorescent Lamp..... <i>For Multiple Lamps In Fixture, Deduct</i>	25.55 -3.00	
26 01 50 51-0065 EA 40 Watt, Rapid Start, U-Shaped T12 Fluorescent Lamp..... <i>For Multiple Lamps In Fixture, Deduct</i>	24.51 -3.00	
26 01 50 51-0066 EA 27-55 Watt, 4-Pin Compact Fluorescent Lamp ..... <i>For Multiple Lamps In Fixture, Deduct</i>	24.26 -1.50	
26 01 50 51-0067 EA 5-13 Watt, 2-Pin Compact Fluorescent Lamp ..... <i>For Multiple Lamps In Fixture, Deduct</i>	9.72 -1.50	
26 01 50 51-0068 EA 9-26 Watt, 4-Pin Compact Fluorescent Lamp ..... <i>For Multiple Lamps In Fixture, Deduct</i>	10.93 -1.50	
26 01 50 51-0069 EA Compact Fluorescent 13 Watt, 4-Pin Lamps CF13DD/E/827, Dulux .....	31.14	
26 01 50 51-0070 EA Compact Fluorescent 18 Watt, 4-Pin Lamps CF18DD/E/827, Dulux .....	31.14	
26 01 50 51-0071 EA 32 Watt 2D (DoubleD) Fluorescent Lamp .....	62.11	
26 01 50 51-0072 EA 26 Watt (1,600 Lumens) 4-pin Quad Tube PL Lamp .....	21.44	
26 01 50 51-0073 EA <9 Watt, Screw-In, Spiral Compact Fluorescent Lamps .....	10.14	
26 01 50 51-0074 EA 9 To 27 Watt, Screw-In, Spiral Compact Fluorescent Lamps .....	8.52	
26 01 50 51-0075 EA 29 To 32 Watt, Screw-In, Spiral Compact Fluorescent Lamps .....	9.02	
26 01 50 51-0076 EA 33 To 42 Watt, Screw-In, Spiral Compact Fluorescent Lamps .....	42.50	
26 01 50 51-0077 EA 43 To 65 Watt, Screw-In, Spiral Compact Fluorescent Lamps .....	46.52	
26 01 50 51-0078 EA 85 Watt, Screw-In, Spiral Compact Fluorescent Lamps.....	90.14	
26 01 50 51-0079 EA 105 Watt, Screw-In, Spiral Compact Fluorescent Lamps.....	108.31	
26 01 50 51-0080 EA 200 Watt, Screw-In, Spiral Compact Fluorescent Lamps.....	112.01	
26 01 50 51-0081 EA 11 Watt, Screw-In, Compact Fluorescent Reflector Lamps .....	39.19	
26 01 50 51-0082 EA 15 Watt, Screw-In, Compact Fluorescent Reflector Lamps .....	40.97	
26 01 50 51-0083 EA 20 To 28 Watt, Screw-In, Compact Fluorescent Reflector Lamps .....	47.63	
<b>26 01 50 51-0084 Metal Halide Lamps (26 01 50 51-0001)</b>		
26 01 50 51-0085 EA 50 Watt, Pulse Start Metal Halide Lamp .....	44.26	
26 01 50 51-0086 EA 70 Watt, Pulse Start Metal Halide Lamp .....	42.10	
26 01 50 51-0087 EA 100 Watt, Pulse Start Metal Halide Lamp .....	48.92	
26 01 50 51-0088 EA 150 Watt, Pulse Start Metal Halide Lamp .....	47.37	
26 01 50 51-0089 EA 175 Watt, Pulse Start Metal Halide Lamp .....	46.92	
26 01 50 51-0090 EA 250 Watt, Pulse Start Metal Halide Lamp .....	47.23	
26 01 50 51-0091 EA 400 Watt, Pulse Start Metal Halide Lamp .....	58.09	
26 01 50 51-0092 EA 1,000 Watt, Pulse Start Metal Halide Lamp .....	68.50	
26 01 50 51-0093 EA 1,500 Watt, Pulse Start Metal Halide Lamp .....	68.07	
<b>26 01 50 51-0094 High Pressure Sodium Lamps (26 01 50 51-0001)</b>		
26 01 50 51-0095 EA 35 Watt, High Pressure Sodium Lamp..... <i>For Enclosed And Gasket Light Fixtures, Add</i>	35.48 2.30	
26 01 50 51-0096 EA 50 Watt, High Pressure Sodium Lamp..... <i>For Enclosed And Gasket Light Fixtures, Add</i>	35.48 2.30	
26 01 50 51-0097 EA 70 Watt, High Pressure Sodium Lamp..... <i>For Enclosed And Gasket Light Fixtures, Add</i>	36.40 2.30	
26 01 50 51-0098 EA 100 Watt, High Pressure Sodium Lamp..... <i>For Enclosed And Gasket Light Fixtures, Add</i>	38.17 2.30	
26 01 50 51-0099 EA 150 Watt, High Pressure Sodium Lamp..... <i>For Enclosed And Gasket Light Fixtures, Add</i>	36.40 2.30	
26 01 50 51-0100 EA 250 Watt, High Pressure Sodium Lamp..... <i>For Enclosed And Gasket Light Fixtures, Add</i>	36.40 2.30	
26 01 50 51-0101 EA 400 Watt, High Pressure Sodium Lamp..... <i>For Enclosed And Gasket Light Fixtures, Add</i>	33.77 2.30	
26 01 50 51-0102 EA 1,000 Watt, High Pressure Sodium Lamp.....	85.12	
<b>26 01 50 51-0103 Low Pressure Sodium Lamps (26 01 50 51-0001)</b>		
26 01 50 51-0104 EA 35 Watt, Low Pressure Sodium Lamp.....	99.44	
26 01 50 51-0105 EA 55 Watt, Low Pressure Sodium Lamp.....	111.66	
26 01 50 51-0106 EA 70 Watt, Low Pressure Sodium Lamp.....	114.41	
26 01 50 51-0107 EA 90 Watt, Low Pressure Sodium Lamp.....	117.16	
26 01 50 51-0108 EA 135 Watt, Low Pressure Sodium Lamp.....	128.17	
26 01 50 51-0109 EA 180 Watt, Low Pressure Sodium Lamp.....	177.69	
<b>26 01 50 51-0110 LED Lamps (26 01 50 51-0001)</b>		
<b>26 01 50 51-0111 LED Lamps, Candelabra Base, CA10 (26 01 50 51-0110)</b>		
26 01 50 51-0112 EA 3 Watt (25 Watt Incandescent Equivalent), Candelabra Base, CA10, Dimmable LED Lamp (Energy Star) .....	14.25	
<b>26 01 50 51-0113 LED Lamps, Medium Base, A19 Or A21 (26 01 50 51-0110)</b>		
26 01 50 51-0114 EA 6 Watt (40 Watt Incandescent Equivalent), Medium Base, A19, Dimmable LED Lamp (Energy Star) .....	19.51	
26 01 50 51-0115 EA 11 Watt (60 Watt Incandescent Equivalent), Medium Base, A19, Dimmable LED Lamp (Energy Star) .....	19.51	





			DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 51-0116	EA		14 Watt (75 Watt Incandescent Equivalent), Medium Base, A19, Dimmable LED Lamp (Energy Star) .....	33.63	
26 01 50 51-0117	EA		17 Watt (75 Watt Incandescent Equivalent), Medium Base, A21, Dimmable LED Lamp (Energy Star) .....	23.08	
26 01 50 51-0118	EA		18 Watt (100 Watt Incandescent Equivalent), Medium Base, A21, Dimmable LED Lamp (Energy Star) .....	42.45	
<b>26 01 50 51-0119</b>			<b>LED Lamps, Medium Base, BR30 Or BR40</b> <small>(26 01 50 51-0110)</small>		
26 01 50 51-0120	EA		9.5 Watt (65 Watt Incandescent Equivalent), Medium Base, BR30, Dimmable LED Lamp (Energy Star).....	26.13	
26 01 50 51-0121	EA		14 Watt (85 Watt Incandescent Equivalent), Medium Base, BR30, Dimmable LED Lamp (Energy Star).....	23.15	
26 01 50 51-0122	EA		11 Watt (65 Watt Incandescent Equivalent), Medium Base, BR40, Dimmable LED Lamp (Energy Star).....	31.07	
26 01 50 51-0123	EA		14.5 Watt (75 Watt Incandescent Equivalent), Medium Base, BR40, Dimmable LED Lamp (Energy Star).....	25.80	
26 01 50 51-0124	EA		14 Watt (85 Watt Incandescent Equivalent), Medium Base, BR40, Dimmable LED Lamp (Energy Star).....	34.60	
26 01 50 51-0125	EA		18 Watt (90 Watt Incandescent Equivalent), Medium Base, BR40, Dimmable LED Lamp (Energy Star).....	25.80	
<b>26 01 50 51-0126</b>			<b>LED Lamps, Medium Base, PAR</b> <small>(26 01 50 51-0110)</small>		
26 01 50 51-0127	EA		7 Watt (45 Watt Halogen Equivalent), Medium Base, PAR20, Dimmable LED Lamp (Energy Star) .....	28.95	
26 01 50 51-0128	EA		12 Watt (60 Watt Halogen Equivalent), Medium Base, Short Neck Par30, Dimmable LED Lamp (Energy Star) .....	39.91	
26 01 50 51-0129	EA		16.3 Watt (65 Watt Halogen Equivalent), Medium Base, Short Neck PAR30, Dimmable LED Lamp (Energy Star).....	39.91	
26 01 50 51-0130	EA		15.6 Watt (70 Watt Halogen Equivalent), Medium Base, Short Neck PAR30, Dimmable LED Lamp (Energy Star).....	38.15	
26 01 50 51-0131	EA		12 Watt (50 Watt Halogen Equivalent), Medium Base, Short Neck PAR30, Dimmable LED Lamp (Energy Star).....	36.38	
26 01 50 51-0132	EA		15 Watt (75 Watt Halogen Equivalent), Medium Base, Long Neck PAR30, Dimmable LED Lamp (Energy Star).....	36.38	
26 01 50 51-0133	EA		18 Watt (90 Watt Halogen Equivalent), Medium Base, Long Neck PAR30, Dimmable LED Lamp (Energy Star).....	72.02	
26 01 50 51-0134	EA		15 Watt (75 Watt Halogen Equivalent), Medium Base, PAR38, Dimmable LED Lamp (Energy Star) .....	39.91	
26 01 50 51-0135	EA		18 Watt (90 Watt Halogen Equivalent), Medium Base, PAR38, Dimmable LED Lamp (Energy Star) .....	38.15	
26 01 50 51-0136	EA		19 Watt (120 Watt Halogen Equivalent), Medium Base, Par38, Dimmable LED Lamp (Energy Star) .....	39.91	
26 01 50 51-0137	EA		24 Watt (120 Watt Halogen Equivalent), Medium Base, PAR38, Dimmable LED Lamp (Energy Star) .....	39.91	
<b>26 01 50 51-0138</b>			<b>LED Lamps, GU Base, MR16</b> <small>(26 01 50 51-0110)</small>		
26 01 50 51-0139	EA		4 Watt (20 Watt Halogen Equivalent), GU5.3 Base, MR16, LED Lamp (Energy Star).....	19.62	
26 01 50 51-0140	EA		6 Watt (30 Watt Halogen Equivalent), GU10 Base, MR16, Dimmable LED Lamp (Energy Star) .....	26.13	
26 01 50 51-0141	EA		8 Watt (50 Watt Halogen Equivalent), GU5.3 Base, MR16, Dimmable LED Lamp (Energy Star) .....	28.95	
<b>26 01 50 51-0142</b>			<b>LED Lamps, PL Series</b> <small>(26 01 50 51-0110)</small>		
26 01 50 51-0143	EA		3.5 Watt, 2-Pin CFL G23 Base , Hybrid Lamp (GreenCreative PLS 3.5 HYB G23).....	13.77	
26 01 50 51-0144	EA		26 Watt, 2700K CCT, PL EDGE DiRect Series (Green Creative 9.5PLH/827/DIR).....	18.12	
26 01 50 51-0145	EA		26 Watt, 3000K CCT, PL EDGE DiRect Series (Green Creative 9.5PLH/830/DIR).....	15.27	
26 01 50 51-0146	EA		26 Watt, 3500K CCT, PL EDGE DiRect Series (Green Creative 9.5PLH/835/DIR).....	17.05	
26 01 50 51-0147	EA		26 Watt, 4000K CCT, PL EDGE DiRect Series (Green Creative 9.5PLH/840/DIR).....	17.05	
26 01 50 51-0148	EA		26 Watt, 3000K CCT, High CRI, PL EDGE DiRect Series (Green Creative 10.5PLH/930/DIR) .....	20.26	
26 01 50 51-0149	EA		13-18 Watt, 2700K CCT, PL EDGE DiRect Series (Green Creative 5.5PLH/827/DIR) .....	17.05	
26 01 50 51-0150	EA		13-18 Watt, 3000K CCT, PL EDGE DiRect Series (Green Creative 5.5PLH/830/DIR) .....	17.05	
26 01 50 51-0151	EA		13-18 Watt, 3500K CCT, PL EDGE DiRect Series (Green Creative 5.5PLH/835/DIR) .....	17.05	
26 01 50 51-0152	EA		13-18 Watt, 4000K CCT, PL EDGE DiRect Series (Green Creative 5.5PLH/840/DIR) .....	17.05	
26 01 50 51-0153	EA		26 Watt, 2700K CCT, PL EDGE DiRect Series (Green Creative 10PLV/827/DIR).....	19.19	
26 01 50 51-0154	EA		26 Watt, 3000K CCT, PL EDGE DiRect Series (Green Creative 10PLV/830/DIR).....	19.19	
26 01 50 51-0155	EA		26 Watt, 3500K CCT, PL EDGE DiRect Series (Green Creative 10PLV/835/DIR).....	19.19	
26 01 50 51-0156	EA		26 Watt, 4000K CCT, PL EDGE DiRect Series (Green Creative 10PLV/840/DIR).....	19.19	
26 01 50 51-0157	EA		26 Watt, 3000K CCT, High CRI, PL EDGE DiRect Series (Green Creative 11PLV/930/DIR) .....	18.12	
26 01 50 51-0158	EA		13-18 Watt, 2700K CCT, PL EDGE DiRect Series (Green Creative 6.5PLV/827/DIR) .....	18.12	
26 01 50 51-0159	EA		13-18 Watt, 3000K CCT, PL EDGE DiRect Series (Green Creative 6.5PLV/830/DIR) .....	18.12	
26 01 50 51-0160	EA		13-18 Watt, 3500K CCT, PL EDGE DiRect Series (Green Creative 6.5PLV/835/DIR) .....	18.84	
26 01 50 51-0161	EA		13-18 Watt, 4000K CCT, PL EDGE DiRect Series (Green Creative 6.5PLV/840/DIR) .....	18.84	
26 01 50 51-0162	EA		26 Watt, 2700K CCT, PL EDGE BYPass Series (Green Creative 10.5PLH/827/BYP).....	18.99	
26 01 50 51-0163	EA		26 Watt, 3000K CCT, PL EDGE BYPass Series (Green Creative 10.5PLH/830/BYP).....	18.99	
26 01 50 51-0164	EA		26 Watt, 3500K CCT, PL EDGE BYPass Series (Green Creative 10.5PLH/835/BYP).....	18.99	
26 01 50 51-0165	EA		26 Watt, 4000K CCT, PL EDGE BYPass Series (Green Creative 10.5PLH/840/BYP).....	18.99	
26 01 50 51-0166	EA		13-18 Watt, 3500K CCT, PL EDGE BYPass Series (Green Creative 6PLH/835/BYP).....	19.55	
26 01 50 51-0167	EA		13-18 Watt, 4000K CCT, PL EDGE BYPass Series (Green Creative 6PLH/840/BYP).....	19.55	
26 01 50 51-0168	EA		13 Watt, 3000K CCT, PL EDGE BYPass Series (Green Creative 6PLH/830/BYP/E26) .....	19.55	
26 01 50 51-0169	EA		13 Watt, 3500K CCT, PL EDGE BYPass Series (Green Creative 6PLH/835/BYP/E26) .....	19.55	
26 01 50 51-0170	EA		13 Watt, 4000K CCT, PL EDGE BYPass Series (Green Creative 6PLH/840/BYP/E26) .....	19.55	
26 01 50 51-0171	EA		13 Watt, 3000K CCT, PL EDGE BYPass Series (Green Creative 6PLH/830/BYP/GU24) .....	19.55	
26 01 50 51-0172	EA		13 Watt, 3500K CCT, PL EDGE BYPass Series (Green Creative 6PLH/835/BYP/GU24) .....	19.55	
26 01 50 51-0173	EA		13 Watt, 4000K CCT, PL EDGE BYPass Series (Green Creative 6PLH/840/BYP/GU24) .....	19.55	
26 01 50 51-0174	EA		26 Watt, 2700K CCT, PL EDGE BYPass Series (Green Creative 11.5PLV/827/BYP).....	25.13	
26 01 50 51-0175	EA		26 Watt, 3000K CCT, PL EDGE BYPass Series (Green Creative 11.5PLV/830/BYP).....	25.13	
26 01 50 51-0176	EA		26 Watt, 3500K CCT, PL EDGE BYPass Series (Green Creative 11.5PLV/835/BYP).....	25.13	
26 01 50 51-0177	EA		26 Watt, 4000K CCT, PL EDGE BYPass Series (Green Creative 11.5PLV/840/BYP).....	23.84	
26 01 50 51-0178	EA		13-18 Watt, 3500K CCT, PL EDGE BYPass Series (Green Creative 7PLV/835/BYP).....	23.84	
26 01 50 51-0179	EA		13-18 Watt, 4000K CCT, PL EDGE BYPass Series (Green Creative 7PLV/840/BYP).....	23.84	
26 01 50 51-0180	EA		4 Pin, 6 Watt, 560 Lumens 4000K CCT, Horizontal Mount LED PL Lamp (Green Creative 57898).....	24.32	
<b>26 01 50 51-0181</b>			<b>HID LED Lamps, Medium Base E26</b> <small>(26 01 50 51-0110)</small>		
26 01 50 51-0182	EA		27 Watt, 4000K CCT, Medium Base E26, LED Lamp (Green Creative 27HID/840/277V/E26) .....	48.47	
26 01 50 51-0183	EA		27 Watt, 5000K CCT, Medium Base E26, LED Lamp (Green Creative 27HID/850/277V/E26) .....	48.47	
26 01 50 51-0184	EA		45 Watt, 4000K CCT, Medium Base E26, LED Lamp (Green Creative 45HID/840/277V/E26) .....	61.68	
26 01 50 51-0185	EA		45 Watt, 5000K CCT, Medium Base E26, LED Lamp (Green Creative 45HID/850/277V/E26) .....	61.68	

**26 Electrical**  
**26 01 Operation and Maintenance of Electrical Systems**  
**26 01 50 Operation and Maintenance of Lighting**



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 01 50 51-0186	EA	10 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED10-3026)	41.61	
26 01 50 51-0187	EA	10 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED10-4026)	41.61	
26 01 50 51-0188	EA	10 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED10-5026)	41.61	
26 01 50 51-0189	EA	10 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED10-6026)	41.61	
26 01 50 51-0190	EA	15 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED15-3026)	43.04	
26 01 50 51-0191	EA	15 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED15-4026)	43.04	
26 01 50 51-0192	EA	15 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED15-5026)	43.04	
26 01 50 51-0193	EA	15 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED15-6026)	43.04	
26 01 50 51-0194	EA	20 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED20-3026)	48.75	
26 01 50 51-0195	EA	20 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED20-4026)	48.75	
26 01 50 51-0196	EA	20 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED20-5026)	48.75	
26 01 50 51-0197	EA	20 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED20-6026)	48.75	
26 01 50 51-0198	EA	25 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED25-3026)	55.89	
26 01 50 51-0199	EA	25 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED25-4026)	55.89	
26 01 50 51-0200	EA	25 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED25-5026)	55.89	
26 01 50 51-0201	EA	25 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED25-6026)	55.89	
26 01 50 51-0202	EA	30 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED30-3026)	71.60	
26 01 50 51-0203	EA	30 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED30-4026)	71.60	
26 01 50 51-0204	EA	30 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED30-5026)	71.60	
26 01 50 51-0205	EA	30 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED30-6026)	71.60	
26 01 50 51-0206	EA	40 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED40-3026)	85.17	
26 01 50 51-0207	EA	40 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED40-4026)	85.17	
26 01 50 51-0208	EA	40 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED40-5026)	85.17	
26 01 50 51-0209	EA	40 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED40-6026)	85.17	
26 01 50 51-0210	EA	60 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED60-3026)	94.45	
26 01 50 51-0211	EA	60 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED60-4026)	94.45	
26 01 50 51-0212	EA	60 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED60-5026)	94.45	
26 01 50 51-0213	EA	60 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED60-6026)	94.45	
26 01 50 51-0214	EA	80 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED80-3026)	128.01	
26 01 50 51-0215	EA	80 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED80-4026)	128.01	
26 01 50 51-0216	EA	80 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED80-5026)	128.01	
26 01 50 51-0217	EA	80 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED80-6026)	128.01	
26 01 50 51-0218	EA	100 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED100-3026)	132.29	
26 01 50 51-0219	EA	100 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED100-4026)	132.29	
26 01 50 51-0220	EA	100 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED100-5026)	132.29	
26 01 50 51-0221	EA	100 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED100-6026)	132.29	
26 01 50 51-0222	EA	120 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED120-3026)	157.28	
26 01 50 51-0223	EA	120 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED120-4026)	157.28	
26 01 50 51-0224	EA	120 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED120-5026)	157.28	
26 01 50 51-0225	EA	120 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED120-6026)	157.28	
26 01 50 51-0226	EA	150 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED150-3026)	187.27	
26 01 50 51-0227	EA	150 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED150-4026)	187.27	
26 01 50 51-0228	EA	150 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED150-5026)	187.27	
26 01 50 51-0229	EA	150 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED150-6026)	187.27	
26 01 50 51-0230	EA	20 Watt, 4000K CCT, Medium Base E26, LED Post Top Lamp (EiKO industries LED20WPT40KMED-G6)	60.23	
26 01 50 51-0231	EA	20 Watt, 5000K CCT, Medium Base E26, LED Post Top Lamp (EiKO industries LED20WPT50KMED-G6)	65.22	
26 01 50 51-0232	EA	27 Watt, 4000K CCT, Medium Base E26, LED Post Top Lamp (EiKO industries LED27WPT40KMED-G5)	65.22	
26 01 50 51-0233	EA	27 Watt, 5000K CCT, Medium Base E26, LED Post Top Lamp (EiKO industries LED27WPT50KMED-G5)	60.23	
26 01 50 51-0234	EA	36 Watt, 4000K CCT, Medium Base E26, LED Post Top Lamp (EiKO industries LED36WPT40KMED-G5)	75.93	
26 01 50 51-0235	EA	36 Watt, 5000K CCT, Medium Base E26, LED Post Top Lamp (EiKO industries LED36WPT50KMED-G5)	69.51	
26 01 50 51-0236	EA	45 Watt, 4000K CCT, Medium Base E26, LED Post Top Lamp (EiKO industries LED45WPT40KMED-G5)	83.79	
26 01 50 51-0237	EA	45 Watt, 5000K CCT, Medium Base E26, LED Post Top Lamp (EiKO industries LED45WPT50KMED-G5)	82.95	
26 01 50 51-0238	EA	54 Watt, 4000K CCT, Medium Base E26, LED Post Top Lamp (EiKO industries LED54WPT40KMED-G5)	84.86	
26 01 50 51-0239	EA	54 Watt, 5000K CCT, Medium Base E26, LED Post Top Lamp (EiKO industries LED54WPT50KMED-G5)	84.86	
26 01 50 51-0240	EA	27 Watt, 4000K CCT, Medium Base E26, LED Lamp (EiKO industries LED27WPT40KMED-G7)	50.97	
26 01 50 51-0241	EA	27 Watt, 5000K CCT, Medium Base E26, LED Lamp (EiKO industries LED27WPT50KMED-G7)	50.97	
26 01 50 51-0242	EA	36 Watt, 4000K CCT, Medium Base E26, LED Lamp (EiKO industries LED36WPT40KMED-G7)	57.57	
26 01 50 51-0243	EA	36 Watt, 5000K CCT, Medium Base E26, LED Lamp (EiKO industries LED36WPT50KMED-G7)	57.57	
26 01 50 51-0244	EA	45 Watt, 4000K CCT, Medium Base E26, LED Lamp (EiKO industries LED45WPT40KMED-G7)	61.96	
26 01 50 51-0245	EA	45 Watt, 5000K CCT, Medium Base E26, LED Lamp (EiKO industries LED45WPT50KMED-G7)	61.96	
26 01 50 51-0246	EA	54 Watt, 4000K CCT, Medium Base E26, LED Lamp (EiKO industries LED54WPT40KMED-G7)	68.56	
26 01 50 51-0247	EA	54 Watt, 5000K CCT, Medium Base E26, LED Lamp (EiKO industries LED54WPT50KMED-G7)	68.56	
26 01 50 51-0248	EA	20 Watt, 5500K CCT, Medium Base E26, LED Lamp (Olympic CL-20W8-55K-E26)	68.90	
26 01 50 51-0249	EA	30 Watt, 5500K CCT, Medium Base E26, LED Lamp (Olympic CL-30W8-55K-E26)	74.76	
26 01 50 51-0250	EA	40 Watt, 5500K CCT, Medium Base E26, LED Lamp (Olympic CL-40W8-55K-E26)	93.25	
26 01 50 51-0251	EA	50 Watt, 5500K CCT, Medium Base E26, LED Lamp (Olympic CL-50W8-55K-E26)	102.82	
26 01 50 51-0252	EA	10 Watt, 5500K CCT, Medium Base E26, Compact LED Lamp (Olympic CCL-10W12-55K-E26)	39.77	
26 01 50 51-0253	EA	15 Watt, 5500K CCT, Medium Base E26, Compact LED Lamp (Olympic CCL-15W12-55K-E26)	44.91	
26 01 50 51-0254	EA	20 Watt, 5500K CCT, Medium Base E26, Compact LED Lamp (Olympic CCL-20W12-55K-E26)	47.48	
26 01 50 51-0255	EA	25 Watt, 5500K CCT, Medium Base E26, Compact LED Lamp (Olympic CCL-25W12-55K-E26)	52.27	
26 01 50 51-0256	EA	15 Watt, Medium Base E26, LED Self-Ballasted Retrofit Lamp (Nepton LED-N148015-UNV)	63.06	
26 01 50 51-0257	EA	20 Watt, Medium Base E26, LED Self-Ballasted Retrofit Lamp (Nepton LED-N148020-UNV)	74.05	
26 01 50 51-0258	EA	25 Watt, Medium Base E26, LED Self-Ballasted Retrofit Lamp (Nepton LED-N148025-UNV)	101.51	
26 01 50 51-0259	EA	30 Watt, Medium Base E26, LED Self-Ballasted Retrofit Lamp (Nepton LED-N148030-UNV)	107.00	
26 01 50 51-0260	EA	35 Watt, Medium Base E26, LED Self-Ballasted Retrofit Lamp (Nepton LED-N148035-UNV)	115.79	
26 01 50 51-0261	EA	40 Watt, Medium Base E26, LED Self-Ballasted Retrofit Lamp (Nepton LED-N148040-UNV)	121.28	
26 01 50 51-0262	EA	60 Watt, Medium Base E26, LED Self-Ballasted Retrofit Lamp (Nepton LED-N148060-UNV)	175.11	
26 01 50 51-0263	EA	20 Watt, 5000K CCT, 120-277 Volt, E26 (Medium) Base, LED Retrofit Omni-Directional Lamp (HYLITE HL-10D-20W-E26-50K)	59.00	



				MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>26 01 50 51-0264    HID LED Lamps, Mogul Base E39 Or EX39 <small>(26 01 50 51-0110)</small></b>						
26 01 50 51-0265	EA			120 Watt, 2700K CCT, Mogul Base EX39, HID LED Lamp (Green Creative 120HID/827/277V/EX39).....	167.06	
26 01 50 51-0266	EA			120 Watt, 5000K CCT, Mogul Base EX39, HID LED Lamp (Green Creative 120HID/850/277V/EX39).....	167.06	
26 01 50 51-0267	EA			120 Watt, 5700 CCT, Mogul Base EX39, HID LED Lamp (Green Creative 120HID/857/277V/EX39).....	167.06	
26 01 50 51-0268	EA			27 Watt, 3000K CCT, Mogul Base E39, LED Lamp (Green Creative 27HID/830/277V/EX39).....	48.47	
26 01 50 51-0269	EA			27 Watt, 4000K CCT, Mogul Base E39, LED Lamp (Green Creative 27HID/840/277V/EX39/R).....	48.47	
26 01 50 51-0270	EA			27 Watt, 5000K CCT, Mogul Base E39, LED Lamp (Green Creative 27HID/850/277V/EX39).....	48.47	
26 01 50 51-0271	EA			45 Watt, 3000K CCT, Mogul Base E39, LED Lamp (Green Creative 45HID/830/277V/EX39).....	61.68	
26 01 50 51-0272	EA			45 Watt, 4000K CCT, Mogul Base E39, LED Lamp (Green Creative 45HID/840/277V/EX39/R).....	61.68	
26 01 50 51-0273	EA			45 Watt, 5000K CCT, Mogul Base E39, LED Lamp (Green Creative 45HID/850/277V/EX39).....	61.68	
26 01 50 51-0274	EA			80 Watt, 5000K CCT, Mogul Base E39, LED Lamp (Green Creative 80HID/850/277V/EX39).....	115.23	
26 01 50 51-0275	EA			80 Watt, 3000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED80-3039).....	128.01	
26 01 50 51-0276	EA			80 Watt, 4000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED80-4039).....	128.01	
26 01 50 51-0277	EA			80 Watt, 5000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED80-5039).....	128.01	
26 01 50 51-0278	EA			80 Watt, 6000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED80-6039).....	128.01	
26 01 50 51-0279	EA			100 Watt, 3000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED100-3039).....	132.29	
26 01 50 51-0280	EA			100 Watt, 4000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED100-4039).....	132.29	
26 01 50 51-0281	EA			100 Watt, 5000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED100-5039).....	132.29	
26 01 50 51-0282	EA			100 Watt, 6000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED100-6039).....	132.29	
26 01 50 51-0283	EA			120 Watt, 3000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED120-3039).....	157.28	
26 01 50 51-0284	EA			120 Watt, 4000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED120-4039).....	157.28	
26 01 50 51-0285	EA			120 Watt, 5000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED120-5039).....	157.28	
26 01 50 51-0286	EA			120 Watt, 6000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED120-6039).....	157.28	
26 01 50 51-0287	EA			150 Watt, 3000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED150-3039).....	187.27	
26 01 50 51-0288	EA			150 Watt, 4000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED150-4039).....	187.27	
26 01 50 51-0289	EA			150 Watt, 5000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED150-5039).....	187.27	
26 01 50 51-0290	EA			150 Watt, 6000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED150-6039).....	187.27	
26 01 50 51-0291	EA			27 Watt, 4000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED27WPT40KMOG-G5).....	65.22	
26 01 50 51-0292	EA			27 Watt, 5000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED27WPT50KMOG-G5).....	65.22	
26 01 50 51-0293	EA			36 Watt, 4000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED36WPT40KMOG-G5).....	75.93	
26 01 50 51-0294	EA			36 Watt, 5000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED36WPT50KMOG-G5).....	74.95	
26 01 50 51-0295	EA			45 Watt, 4000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED45WPT40KMOG-G5).....	83.79	
26 01 50 51-0296	EA			45 Watt, 5000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED45WPT50KMOG-G5).....	82.95	
26 01 50 51-0297	EA			54 Watt, 4000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED54WPT40KMOG-G5).....	84.86	
26 01 50 51-0298	EA			54 Watt, 5000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED54WPT50KMOG-G5).....	82.37	
26 01 50 51-0299	EA			100 Watt, 4000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED100WPT40KMOG-G5).....	179.46	
26 01 50 51-0300	EA			20 Watt, 4000K CCT, Mogul Base E39, Horizontal LED Lamp (EiKO industries LED20WPT180/40KMOG-G7).....	65.20	
26 01 50 51-0301	EA			20 Watt, 5000K CCT, Mogul Base E39, Horizontal LED Lamp (EiKO industries LED20WPT180/50KMOG-G7).....	65.20	
26 01 50 51-0302	EA			30 Watt, 4000K CCT, Mogul Base E39, Horizontal LED Lamp (EiKO industries LED30WPT180/40KMOG-G7).....	74.08	
26 01 50 51-0303	EA			30 Watt, 5000K CCT, Mogul Base E39, Horizontal LED Lamp (EiKO industries LED30WPT180/50KMOG-G7).....	74.08	
26 01 50 51-0304	EA			40 Watt, 4000K CCT, Mogul Base E39, Horizontal LED Lamp (EiKO industries LED40WPT180/40KMOG-G7).....	79.43	
26 01 50 51-0305	EA			40 Watt, 5000K CCT, Mogul Base E39, Horizontal LED Lamp (EiKO industries LED40WPT180/50KMOG-G7).....	79.43	
26 01 50 51-0306	EA			27 Watt, 4000K CCT, Mogul Base E39, LED Lamp (EiKO industries LED27WPT40KMOG-G7).....	50.88	
26 01 50 51-0307	EA			27 Watt, 5000K CCT, Mogul Base E39, LED Lamp (EiKO industries LED27WPT50KMOG-G7).....	50.88	
26 01 50 51-0308	EA			36 Watt, 4000K CCT, Mogul Base E39, LED Lamp (EiKO industries LED36WPT40KMOG-G7).....	57.57	
26 01 50 51-0309	EA			36 Watt, 5000K CCT, Mogul Base E39, LED Lamp (EiKO industries LED36WPT50KMOG-G7).....	57.57	
26 01 50 51-0310	EA			45 Watt, 4000K CCT, Mogul Base E39, LED Lamp (EiKO industries LED45WPT40KMOG-G7).....	61.96	
26 01 50 51-0311	EA			45 Watt, 5000K CCT, Mogul Base E39, LED Lamp (EiKO industries LED45WPT50KMOG-G7).....	61.96	
26 01 50 51-0312	EA			54 Watt, 4000K CCT, Mogul Base E39, LED Lamp (EiKO industries LED54WPT40KMOG-G7).....	68.56	
26 01 50 51-0313	EA			54 Watt, 5000K CCT, Mogul Base E39, LED Lamp (EiKO industries LED54WPT50KMOG-G7).....	68.56	
26 01 50 51-0314	EA			65 Watt, 5500K CCT, Mogul Base E39, LED Lamp (Olympic CL-65W8-55K-E39).....	124.16	
26 01 50 51-0315	EA			80 Watt, 5500K CCT, Mogul Base E39, LED Lamp (Olympic CL-80W8-55K-E39).....	143.73	
26 01 50 51-0316	EA			100 Watt, 5500K CCT, Mogul Base E39, LED Lamp (Olympic CL-100W8-55K-E39).....	171.57	
26 01 50 51-0317	EA			120 Watt, 5500K CCT, Mogul Base E39, LED Lamp (Olympic CL-120W8-55K-E39).....	335.55	
26 01 50 51-0318	EA			150 Watt, 5500K CCT, Mogul Base E39, LED Lamp (Olympic CL-150W8-55K-E39).....	316.82	
26 01 50 51-0319	EA			200 Watt, 5500K CCT, Mogul Base E39, LED Lamp (Olympic CL-200W8-55K-E39).....	335.55	
26 01 50 51-0320	EA			250 Watt, 5500K CCT, Mogul Base E39, LED Lamp (Olympic CL-250W8-55K-E39).....	337.01	
26 01 50 51-0321	EA			24 Watt, 3000K CCT, Mogul Base E39, LED Lamp (Light Efficient Design LED-8029M30-A).....	50.55	
26 01 50 51-0322	EA			24 Watt, 4000K CCT, Mogul Base E39, LED Lamp (Light Efficient Design LED-8029M40-A).....	50.55	
26 01 50 51-0323	EA			24 Watt, 5700K CCT, Mogul Base E39, LED Lamp (Light Efficient Design LED-8029M57-A).....	50.55	
26 01 50 51-0324	EA			100 Watt, Mogul Base E39, LED Area Lamp (MaxLite AR100LED50).....	150.07	
26 01 50 51-0325	EA			115 Watt, 4000K CCT, Mogul Base EX39, HID LED Lamp (Keystone KT-LED115HID-V-EX39-840-D).....	403.74	
26 01 50 51-0326	EA			40 Watt, 120-277 Volt, 5000K CCT, E39 Base, LED Arc-Cob Lamp (HYLITE HL-AC-40W-E39-50K).....	162.91	
26 01 50 51-0327	EA			100 Watt, 480 Volt, 5000K CCT, E39 Base, LED Omni-Cob Lamp (HYLITE HL-OC-100W-E39-50K).....	192.61	
26 01 50 51-0328	EA			45 Watt, 120-277 Volt, 5000K CCT, E39 Base, LED Omni-Cob Lamp (HYLITE HL-OC-45W-E39-50K).....	82.75	
26 01 50 51-0329	EA			40 Watt, 5680 Lumens, Mogul Base E39, LED Directional Flood Lamp (HYLITE HL-IDL-40W-E39-50K).....	279.08	
<b>26 01 50 51-0330    LED Lamps, 2G11 Base <small>(26 01 50 51-0110)</small></b>						
26 01 50 51-0331	EA			19 Watt, 1550 Lumens, 3500K CCT, 2G11 Base, Dimmable LED Lamp (Green Creative 14.5PLL/835/DIR).....	45.93	
<b>26 01 50 51-0332    LED Lamps, GX23 Or G23 Base <small>(26 01 50 51-0110)</small></b>						
26 01 50 51-0333	EA			5 Watt, 580 Lumens, 2 Pin GX23 Base, Dimmable LED Lamp (Lunera HN-H-GX23-U-5W-840-G4).....	21.64	
<b>26 01 50 51-0334    LED Lamps, G24 Base <small>(26 01 50 51-0110)</small></b>						
26 01 50 51-0335	EA			5.5 Watt, 500 Lumens, G24 Base, LED Lamp (Green Creative 5.5PLH/835/DIR/R).....	28.68	

**26 Electrical****26 01 Operation and Maintenance of Electrical Systems****26 01 50 Operation and Maintenance of Lighting**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50	51-0336		<b>LED Tubes (Fluorescent Lamp Replacement)</b> (26 01 50 51-0110)		
	26 01 50 51-0337	EA	2', 1,250 Lumens, 4000K CCT, LED Tube (T8 Fluorescent Lamp Replacement) (Remphos RPT-TOTALTUBEG2-T8-24IN-4000K).....	39.41	
			<i>For Multiple Lamps In Fixture, Deduct</i>	-2.40	
	26 01 50 51-0338	EA	2', 1,900 Lumens, 4000K CCT, LED Tube (T8 Fluorescent Lamp Replacement) (Remphos RPT-TOTALTUBEG2-T8-24INU-4000K).....	52.07	
			<i>For Multiple Lamps In Fixture, Deduct</i>	-2.40	
	26 01 50 51-0339	EA	3', 1,900 Lumens, 4000K CCT, LED Tube (T8 Fluorescent Lamp Replacement) (Remphos RPT-TOTALTUBEG2-T8-36IN-4000K).....	42.51	
			<i>For Multiple Lamps In Fixture, Deduct</i>	-2.55	
	26 01 50 51-0340	EA	4', 1,900 Lumens, 4000K CCT, LED Tube (T8 Fluorescent Lamp Replacement) (Remphos RPT-TOTALTUBEG2-T8-48IN-4000K).....	46.65	
			<i>For Multiple Lamps In Fixture, Deduct</i>	-2.70	
	26 01 50 51-0341	EA	4', 2,200 Lumens, 4000K CCT, LED Tube (T8 Fluorescent Lamp Replacement) (Remphos RPT-TOTALTUBEG2HO-T8-48IN-4000K).....	51.39	
			<i>For Multiple Lamps In Fixture, Deduct</i>	-2.70	
	26 01 50 51-0342	EA	4', 2,539 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Carson Technology CT-D02018TBN).....	31.22	
			<i>For Multiple Lamps In Fixture, Deduct</i>	-2.70	
	26 01 50 51-0343	EA	2', 1,348 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Carson Technology CT-D02010TBN).....	30.31	
			<i>For Multiple Lamps In Fixture, Deduct</i>	-2.40	
	26 01 50 51-0344	EA	2', 1,100 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Sylvania LED9T8/L24/FG/835/BF).....	27.37	
			<i>For Multiple Lamps In Fixture, Deduct</i>	-2.40	
	26 01 50 51-0345	EA	3', 1,650 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Sylvania LED12T8/L36/FG/835/BF).....	27.73	
			<i>For Multiple Lamps In Fixture, Deduct</i>	-2.55	
	26 01 50 51-0346	EA	4', 1,700 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Sylvania LED14T8/L48/FG/835/BF).....	27.57	
			<i>For Multiple Lamps In Fixture, Deduct</i>	-2.70	
	26 01 50 51-0347	EA	4', 2,100 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Sylvania LED17T8/L48/FG/835/BF).....	28.69	
			<i>For Multiple Lamps In Fixture, Deduct</i>	-2.70	
26 01 50	51-0348		<b>Filament LED Lamps</b> (26 01 50 51-0110)		
	26 01 50 51-0349	EA	7.5 Watt, 2700K CCT, Clear A19 Filament LED Lamp (Green Creative 7.5FA19DIM/827).....	15.44	
	26 01 50 51-0350	EA	4.5 Watt, 2700K CCT, Clear A19 Filament LED Lamp (Green Creative 4.5A19DIM/827/R).....	15.44	
	26 01 50 51-0351	EA	4.5 Watt, 2700K CCT, Clear A19 Filament LED Lamp (Green Creative 4.5FA19DIM/827).....	14.72	
	26 01 50 51-0352	EA	4.5 Watt, 2400 CCT, Amber A19 Filament LED Lamp (Green Creative 4.5FA19DIM/824/A).....	14.72	
	26 01 50 51-0353	EA	4.5 Watt, 2700K CCT, Clear G25 Globe Filament LED Lamp (Green Creative 4.5FG25DIM/827).....	15.87	
	26 01 50 51-0354	EA	4.5 Watt, 2400 CCT, Amber G25 Globe Filament LED Lamp (Green Creative 4.5FG25DIM/824/A).....	15.87	
	26 01 50 51-0355	EA	3.5 Watt, 2700K CCT, Clear B10 Candle Filament LED Lamp (Green Creative 3.5FB10DIM/827).....	13.30	
	26 01 50 51-0356	EA	3.5 Watt, 2700K CCT, Clear B11 Candle Filament LED Lamp (Green Creative 3.5FB11DIM/827/E26).....	13.30	
	26 01 50 51-0357	EA	3.5 Watt, 2400 CCT, Amber B10 Candle Filament LED Lamp (Green Creative 3.5FBA10DIM/824/FT/A).....	13.73	
	26 01 50 51-0358	EA	3.5 Watt, 2400 CCT, Amber ST19 Filament LED Lamp (Green Creative 5FST19DIM/824/A).....	16.87	
	26 01 50 51-0359	EA	4.5 Watt, 120 Volt 450 Lumens ULTRA LED Filament Lamp (Sylvania 79521).....	20.92	
26 01 50	51-0360		<b>Other Lamps</b> (26 01 50 51-0110)		
	26 01 50 51-0361	EA	8 Watt, Medium Base, A19, A-Shape Dimmable LED Lamp (Philips 8A19/END/2700 DIM 6/1).....	14.61	
	26 01 50 51-0362	EA	8 Watt, Medium Base, A19, A-Shape Dimmable LED Lamp (Philips 7A19/2700 DIM).....	14.61	
	26 01 50 51-0363	EA	11 Watt, Medium Base, A19, A-Shape Dimmable LED Lamp (Philips 11A19/2700 DIM).....	14.61	
	26 01 50 51-0364	EA	12 Watt, Medium Base, Dimmable BR40 LED Lamp (Philips 12BR40/F90 2700 DIM AF 6/1).....	15.32	
	26 01 50 51-0365	EA	13 Watt, Medium Base, Dimmable PAR38 LED Single Optic Lamp (Philips 13PAR38/S15 4000 DIM AF SO 6/1).....	15.32	
	26 01 50 51-0366	EA	8 Watt, Medium Base, Dimmable PAR20 LED Lamp (Philips 8PAR20/END/F36 3000 DIM 6/1).....	15.32	
26 01 50	51-0367		<b>LED Lamps, Light Engines, Round, LER Series</b> (26 01 50 51-0110)		
	26 01 50 51-0368	EA	5.5" Diameter, 17 Watt, 3000K CCT, Round LED Light Engine (Maxlite LER5.5A1730).....	49.98	
	26 01 50 51-0369	EA	9 Watt, 120 Volt, 800 Lumens, 2700K, Omnidirectional Ultra LED A-line Lamp (Sylvania LED9A19/DIM/O/827/U).....	26.56	
26 01 50	51-0370		<b>Recycle Hazardous Lamps</b> (26 01 50 51)		
			Note: Includes containers, shipping costs and recycling fees. Excludes lamp removal. See CSI section 26 01 50 51-0001 for removal of lamps from fixtures.		
	26 01 50 51-0371	EA	Recycle 2' Length Linear Fluorescent Lamps.....	1.72	
	26 01 50 51-0372	EA	Recycle 3' Length Linear Fluorescent Lamps.....	2.20	
	26 01 50 51-0373	EA	Recycle 4' Length Linear Fluorescent Lamps.....	2.69	
	26 01 50 51-0374	EA	Recycle 6' Length Linear Fluorescent Lamps.....	3.80	
	26 01 50 51-0375	EA	Recycle 8' Length Linear Fluorescent Lamps.....	4.77	
	26 01 50 51-0376	EA	Recycle Compact Fluorescent Lamps.....	4.39	
	26 01 50 51-0377	EA	Recycle U-Shaped Or Circular Fluorescent Lamps.....	4.39	
	26 01 50 51-0378	EA	Recycle High Intensity Discharge (HID) Lamps.....	6.94	
26 01 50	52		<b>Ballasts Replacement</b> (26 01 50)		
	26 01 50 52-0001		<b>High Intensity Discharge (HID) Ballasts</b> (26 01 50 52)		
	26 01 50 52-0002		<b>Magnetic High Intensity Discharge (HID) Ballasts</b> (26 01 50 52-0001)		
	26 01 50 52-0003		<b>Core And Coil High Intensity Discharge (HID) Ballasts</b> (26 01 50 52-0002)		
	26 01 50 52-0004		<b>Metal Halide, Core And Coil High Intensity Discharge (HID) Ballasts</b> (26 01 50 52-0003)		
	26 01 50 52-0005	EA	1 Lamp, 100 Watt Metal Halide, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast.....	156.12	22.70
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.54	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0006 EA 1 Lamp, 250 Watt Metal Halide, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	160.14 9.54	22.70
26 01 50 52-0007 EA 1 Lamp, 250 Watt Metal Halide, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	160.14 9.54	22.70
26 01 50 52-0008 EA 1 Lamp, 400 Watt Metal Halide, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	148.69 9.54	22.70
26 01 50 52-0009 EA 1 Lamp, 400 Watt Metal Halide, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	148.69 9.54	22.70
26 01 50 52-0010 EA 1 Lamp, 1,000 Watt Metal Halide, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	225.40 9.54	22.70
26 01 50 52-0011 EA 1 Lamp, 1,000 Watt Metal Halide, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	225.40 9.54	22.70
26 01 50 52-0012 EA 1 Lamp, 1,500 Watt Metal Halide, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	292.97 9.54	22.70
26 01 50 52-0013 EA 1 Lamp, 1,500 Watt Metal Halide, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	327.43 9.54	22.70
<b>26 01 50 52-0014 High Pressure Sodium, Core And Coil High Intensity Discharge (HID) Ballasts</b> <small>(26 01 50 52-0003)</small>		
26 01 50 52-0015 EA 1 Lamp, 50 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	140.23 9.54	22.70
26 01 50 52-0016 EA 1 Lamp, 70 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	149.22 9.54	22.70
26 01 50 52-0017 EA 1 Lamp, 100 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	145.34 9.54	22.70
26 01 50 52-0018 EA 1 Lamp, 150 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	172.36 9.54	22.70
26 01 50 52-0019 EA 1 Lamp, 150 Watt High Pressure Sodium, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	168.50 9.54	22.70
26 01 50 52-0020 EA 1 Lamp, 250 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	193.57 9.54	22.70
26 01 50 52-0021 EA 1 Lamp, 250 Watt High Pressure Sodium, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	193.57 9.54	22.70
26 01 50 52-0022 EA 1 Lamp, 400 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	235.27 9.54	22.70
26 01 50 52-0023 EA 1 Lamp, 400 Watt High Pressure Sodium, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	235.27 9.54	22.70
26 01 50 52-0024 EA 1 Lamp, 1,000 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	381.60 9.54	22.70
26 01 50 52-0025 EA 1 Lamp, 1,000 Watt High Pressure Sodium, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	381.60 9.54	22.70
<b>26 01 50 52-0026 Mounting Brackets For Core And Coil High Intensity Discharge (HID) Ballasts</b> <small>(26 01 50 52-0003)</small>		
26 01 50 52-0027 EA Single Mounting Bracket For Core And Coil Type ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.12 2.73	
26 01 50 52-0028 EA Double Mounting Bracket For Core And Coil Type ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.75 4.09	
<b>26 01 50 52-0029 F-Can High Intensity Discharge (HID) Ballasts</b> <small>(26 01 50 52-0002)</small>		
<b>26 01 50 52-0030 Metal Halide, F-Can High Intensity Discharge (HID) Ballasts</b> <small>(26 01 50 52-0029)</small>		
26 01 50 52-0031 EA 1 Lamp, 70 Watt Metal Halide, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast..... <i>For Pulse Start Ballast, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	200.40 16.86 9.54	22.70
26 01 50 52-0032 EA 1 Lamp, 100 Watt Metal Halide, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast..... <i>For Pulse Start Ballast, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	211.55 17.98 9.54	22.70
26 01 50 52-0033 EA 1 Lamp, 175 Watt Metal Halide, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast..... <i>For Pulse Start Ballast, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	191.95 16.02 9.54	22.70
26 01 50 52-0034 EA 1 Lamp, 250 Watt Metal Halide, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast..... <i>For Pulse Start Ballast, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	224.16 19.24 9.54	22.70
26 01 50 52-0035 EA 1 Lamp, 400 Watt Metal Halide, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast..... <i>For Pulse Start Ballast, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	314.41 28.26 9.54	22.70
<b>26 01 50 52-0036 High Pressure Sodium, F-Can High Intensity Discharge (HID) Ballasts</b> <small>(26 01 50 52-0029)</small>		
26 01 50 52-0037 EA 1 Lamp, 70 Watt High Pressure Sodium, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	242.66 9.54	22.70
26 01 50 52-0038 EA 1 Lamp, 100 Watt High Pressure Sodium, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	260.05 9.54	22.70
26 01 50 52-0039 Postline High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0002)</small>		
26 01 50 52-0040 Metal Halide, Postline High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0039)</small>		

**26 Electrical**  
**26 01 Operation and Maintenance of Electrical Systems**  
**26 01 50 Operation and Maintenance of Lighting**



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0041	EA	1 Lamp, 50 Watt Metal Halide, 120 Volt, Postline High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	409.32 9.54	22.70
<b>26 01 50 52-0042</b>		<b>High Pressure Sodium, Postline High Intensity Discharge (HID) Ballasts</b> <small>(26 01 50 52-0039)</small>		
26 01 50 52-0043	EA	1 Lamp, 70 Watt High Pressure Sodium, 120 Volt, Postline High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	635.01 9.50	22.63
26 01 50 52-0044	EA	1 Lamp, 100 Watt High Pressure Sodium, 120 Volt, Postline High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	709.12 9.50	22.63
26 01 50 52-0045	EA	1 Lamp, 150 Watt High Pressure Sodium, 120 Volt, Postline High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	683.48 9.50	22.63
<b>26 01 50 52-0046</b>		<b>Indoor Enclosed High Intensity Discharge (HID) Ballasts</b> <small>(26 01 50 52-0002)</small>		
<b>26 01 50 52-0047</b>		<b>Metal Halide, Indoor Enclosed High Intensity Discharge (HID) Ballasts</b> <small>(26 01 50 52-0046)</small>		
26 01 50 52-0048	EA	1 Lamp, 175 Watt Metal Halide, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	505.86 9.54	22.70
26 01 50 52-0049	EA	1 Lamp, 250 Watt Metal Halide, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	575.25 9.54	22.70
26 01 50 52-0050	EA	1 Lamp, 400 Watt Metal Halide, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	762.41 9.54	22.70
26 01 50 52-0051	EA	1 Lamp, 400 Watt Metal Halide, 480 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	758.38 9.54	22.70
26 01 50 52-0052	EA	2 Lamp, 400 Watt Metal Halide, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,065.36 10.08	24.53
26 01 50 52-0053	EA	2 Lamp, 400 Watt Metal Halide, 480 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,065.36 10.08	24.53
26 01 50 52-0054	EA	1 Lamp, 1,000 Watt Metal Halide, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	730.84 9.54	22.70
26 01 50 52-0055	EA	1 Lamp, 1,000 Watt Metal Halide, 480 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	861.28 9.54	22.70
<b>26 01 50 52-0056</b>		<b>High Pressure Sodium, Indoor Enclosed High Intensity Discharge (HID) Ballasts</b> <small>(26 01 50 52-0046)</small>		
26 01 50 52-0057	EA	1 Lamp, 400 Watt High Pressure Sodium, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	950.97 9.54	22.70
26 01 50 52-0058	EA	1 Lamp, 400 Watt High Pressure Sodium, 480 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	905.00 9.54	22.70
26 01 50 52-0059	EA	1 Lamp, 1,000 Watt High Pressure Sodium, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,165.63 9.54	22.70
26 01 50 52-0060	EA	1 Lamp, 1,000 Watt High Pressure Sodium, 480 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,165.63 9.54	22.70
<b>26 01 50 52-0061</b>		<b>Outdoor Weatherproof High Intensity Discharge (HID) Ballasts</b> <small>(26 01 50 52-0002)</small>		
<b>26 01 50 52-0062</b>		<b>Metal Halide, Outdoor Weatherproof High Intensity Discharge (HID) Ballasts</b> <small>(26 01 50 52-0061)</small>		
26 01 50 52-0063	EA	1 Lamp, 175 Watt Metal Halide, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	569.45 9.54	22.70
26 01 50 52-0064	EA	1 Lamp, 250 Watt Metal Halide, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	615.77 9.54	22.70
26 01 50 52-0065	EA	1 Lamp, 400 Watt Metal Halide, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	611.21 9.54	22.70
26 01 50 52-0066	EA	1 Lamp, 400 Watt Metal Halide, 480 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	642.24 9.54	22.70
26 01 50 52-0067	EA	2 Lamp, 400 Watt Metal Halide, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,024.89 10.08	24.53
26 01 50 52-0068	EA	2 Lamp, 400 Watt Metal Halide, 480 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,261.85 10.08	24.53
26 01 50 52-0069	EA	1 Lamp, 1,000 Watt Metal Halide, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	956.36 9.54	22.70
26 01 50 52-0070	EA	1 Lamp, 1,000 Watt Metal Halide, 480 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	869.96 9.54	22.70
<b>26 01 50 52-0071</b>		<b>High Pressure Sodium, Outdoor Weatherproof High Intensity Discharge (HID) Ballasts</b> <small>(26 01 50 52-0061)</small>		
26 01 50 52-0072	EA	1 Lamp, 400 Watt High Pressure Sodium, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	737.52 9.54	22.70
26 01 50 52-0073	EA	1 Lamp, 400 Watt High Pressure Sodium, 480 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	795.94 9.54	22.70
26 01 50 52-0074	EA	1 Lamp, 1,000 Watt High Pressure Sodium, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,192.59 9.54	22.70
26 01 50 52-0075	EA	1 Lamp, 1,000 Watt High Pressure Sodium, 480 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,025.00 9.54	22.70



	MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 01 50 52-0076	Electronic High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0001)</small>		
26 01 50 52-0077	Electronic Low Frequency High Intensity Discharge (HID) Ballasts <small>(26 01 50 52-0076)</small>		
26 01 50 52-0078	EA 1 Lamp, 70 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	222.61 9.54	22.70
26 01 50 52-0079	EA 1 Lamp, 100 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	222.61 9.54	22.70
26 01 50 52-0080	EA 1 Lamp, 150 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	251.89 9.54	22.70
26 01 50 52-0081	EA 1 Lamp, 250 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	662.21 9.54	22.70
26 01 50 52-0082	EA 1 Lamp, 300 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	662.21 9.54	22.70
26 01 50 52-0083	EA 1 Lamp, 320 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	662.21 9.54	22.70
26 01 50 52-0084	EA 1 Lamp, 350 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	662.21 9.54	22.70
26 01 50 52-0085	EA 1 Lamp, 400 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	662.21 9.54	22.70

26 01 50 52-0086	Owner Supplied Ballasts <small>(26 01 50 52)</small>		
26 01 50 52-0087	EA Install Owner Supplied, 1 Lamp Fluorescent Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.17 5.45	
26 01 50 52-0088	EA Install Owner Supplied, 2 Lamp Fluorescent Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.70 6.81	
26 01 50 52-0089	EA Install Owner Supplied, 3 Lamp Fluorescent Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26.35 7.91	
26 01 50 52-0090	EA Install Owner Supplied, 4 Lamp Fluorescent Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28.16 8.45	
26 01 50 52-0091	EA Install Owner Supplied, 1 Lamp High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31.79 9.54	
26 01 50 52-0092	EA Install Owner Supplied, 2 Lamp High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	33.61 10.08	

**26 01 50 53 Lens and Accessory Replacement** (26 01 50)

26 01 50 53-0001	Lens and Accessory Replacement <small>(26 01 50 53)</small>		
26 01 50 53-0002	EA Removal And Replacement Of Parabolic Aluminum Louver.....	76.52	
26 01 50 53-0003	EA Removal And Replacement Of Visor For Fixtures .....	156.53	
26 01 50 53-0004	EA Removal And Replacement Of Globe On Pole .....	187.42	
26 01 50 53-0005	EA Removal And Replacement Of Lenses For Flat Top Pole Fixtures.....	73.82	
26 01 50 53-0006	EA Removal And Replacement Of 1' x 4' Diffuser With 0.125" Thick Prismatic Acrylic Diffuser.....	24.56	
26 01 50 53-0007	EA Removal And Replacement Of 2' x 2' Diffuser With 0.125" Thick Prismatic Acrylic Diffuser.....	25.60	
26 01 50 53-0008	EA Removal And Replacement Of 2' x 4' Diffuser With 0.125" Thick Prismatic Acrylic Diffuser.....	30.10	
26 01 50 53-0009	EA Removal And Replacement Of Slide-On Lampholder..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.69 2.72	
26 01 50 53-0010	EA Removal And Replacement Of Screw Mount Lampholder..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.85 2.72	
26 01 50 53-0011	EA Removal And Replacement Of Medium Bi-Pin Lampholder .....	12.22	
26 01 50 53-0012	EA Removal And Replacement Of Fixed High Output Lampholder, Recessed, Double Contact Double Pedestal Type..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.33 2.72	
26 01 50 53-0013	EA Removal And Replacement Of Plunger High Output Lampholder, Recessed, Double Contact Double Pedestal Type .....	15.71	
26 01 50 53-0014	EA Removal And Replacement Of Compact Twin-Tube Lampholder, Snap-in .....	12.01	
26 01 50 53-0015	EA Removal And Replacement Of Exterior Light Globes .....	53.64	

**26 05 Common Work Results for Electrical** (26)

**26 05 13 Medium-Voltage Cables** (26 05)

**26 05 13 16 Medium-Voltage, Single-and Multi-Conductor Cables** (26 05 13)

26 05 13 16-0001	Wire And Cable <small>(26 05 13 16)</small>		
	Note: Pulled in conduit except as noted. Includes pull wires, pulling branch circuit conductors, testing, and splicing (#8 and lighter). All conductors are copper except as otherwise noted. No special set-up is required. Excludes terminations.		
26 05 13 16-0002	5 KV Cable <small>(26 05 13 16-0001)</small>		
26 05 13 16-0003	Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor, 133 Percent Insulation, Installed In Duct <small>(26 05 13 16-0002)</small>		
26 05 13 16-0004	MLF #6 AWG, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	3,000.17	753.57
26 05 13 16-0005	MLF #4 AWG, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	3,566.20	822.84
26 05 13 16-0006	MLF #2 AWG, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	4,267.48	929.67
26 05 13 16-0007	MLF 1/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	5,550.94	1,145.39



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 13 16-0008 MLF 2/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	6,325.55	1,289.82
26 05 13 16-0009 MLF 3/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	7,796.61	1,431.66
26 05 13 16-0010 MLF 4/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	8,776.50	1,608.61
26 05 13 16-0011 MLF 250 MCM, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	10,444.53	1,789.66
26 05 13 16-0012 MLF 350 MCM, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	12,164.38	2,136.81
26 05 13 16-0013 MLF 500 MCM, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	15,375.67	2,511.77
26 05 13 16-0014 MLF 750 MCM, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	23,079.31	2,960.39
26 05 13 16-0015 MLF 1,000 MCM, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	30,787.67	3,408.80
<b>26 05 13 16-0016 Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor, 133 Percent Insulation, Direct Burial (26 05 13 16-0002)</b>		
Note: Excludes excavation.		
26 05 13 16-0017 MLF #6 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	2,905.98	
26 05 13 16-0018 MLF #4 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	3,298.78	
26 05 13 16-0019 MLF #2 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	3,732.93	
26 05 13 16-0020 MLF 1/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	4,654.16	
26 05 13 16-0021 MLF 2/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	5,067.63	
26 05 13 16-0022 MLF 3/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	6,360.63	
26 05 13 16-0023 MLF 4/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	6,898.14	
26 05 13 16-0024 MLF 250 MCM, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	8,294.66	
26 05 13 16-0025 MLF 350 MCM, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	9,240.63	
26 05 13 16-0026 MLF 500 MCM, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	11,599.26	
<b>26 05 13 16-0027 Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor, 133 Percent Insulation, Installed On Poles (Aerial) (26 05 13 16-0002)</b>		
26 05 13 16-0028 MLF #6 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	2,361.43	465.79
26 05 13 16-0029 MLF #4 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	2,844.36	499.43
26 05 13 16-0030 MLF #2 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	3,631.53	631.57
26 05 13 16-0031 MLF 1/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	4,737.04	766.71
26 05 13 16-0032 MLF 2/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	5,506.94	900.05
26 05 13 16-0033 MLF 3/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	6,968.90	1,029.30
26 05 13 16-0034 MLF 4/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	7,947.36	1,194.27
26 05 13 16-0035 MLF 250 MCM, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	9,986.83	1,502.47
26 05 13 16-0036 MLF 350 MCM, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	11,904.13	1,901.09
26 05 13 16-0037 MLF 500 MCM, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	15,481.26	2,388.55
<b>26 05 13 16-0038 5 KV Non-Shielded Single Copper Conductor (26 05 13 16-0002)</b>		
26 05 13 16-0039 MLF 1/0 AWG, 5 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct.....	6,544.63	1,501.78
26 05 13 16-0040 MLF 2/0 AWG, 5 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct.....	7,575.22	1,523.36
26 05 13 16-0041 MLF 3/0 AWG, 5 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct.....	8,605.80	1,544.94
26 05 13 16-0042 MLF 4/0 AWG, 5 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct.....	9,870.03	1,579.09
26 05 13 16-0043 MLF 350 MCM, 5 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct.....	10,775.18	1,639.33
26 05 13 16-0044 MLF 500 MCM, 5 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct.....	15,455.82	1,718.04
26 05 13 16-0045 MLF 750 MCM, 5 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct.....	23,970.09	2,147.55
26 05 13 16-0046 MLF 1,000 MCM, 5 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct.....	27,619.83	2,863.43
<b>26 05 13 16-0047 Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133 Percent Insulation, Installed In Duct (26 05 13 16-0002)</b>		
26 05 13 16-0048 MLF #6 AWG, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	3,201.12	753.57
26 05 13 16-0049 MLF #4 AWG, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	3,837.85	822.84
26 05 13 16-0050 MLF #2 AWG, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	4,617.27	929.67
26 05 13 16-0051 MLF #1 AWG, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	5,325.85	1,037.48
26 05 13 16-0052 MLF 1/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	6,034.70	1,145.39
26 05 13 16-0053 MLF 2/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	6,883.73	1,289.82
26 05 13 16-0054 MLF 3/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	8,555.74	1,431.66
26 05 13 16-0055 MLF 4/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	9,632.38	1,608.61
26 05 13 16-0056 MLF 250 MCM, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	11,519.21	1,789.66
26 05 13 16-0057 MLF 350 MCM, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	13,392.38	2,136.81
26 05 13 16-0058 MLF 500 MCM, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	17,013.01	2,511.77
26 05 13 16-0059 MLF 750 MCM, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	25,901.89	2,960.39
26 05 13 16-0060 MLF 1,000 MCM, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	34,795.49	3,408.80
<b>26 05 13 16-0061 Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133 Percent Insulation, Direct Burial (26 05 13 16-0002)</b>		
Note: Excludes excavation.		
26 05 13 16-0062 MLF #6 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	3,106.93	
26 05 13 16-0063 MLF #4 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	3,570.43	
26 05 13 16-0064 MLF #2 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	4,082.72	
26 05 13 16-0065 MLF #1 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	4,610.73	
26 05 13 16-0066 MLF 1/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	5,137.92	
26 05 13 16-0067 MLF 2/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	5,625.81	
26 05 13 16-0068 MLF 3/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	7,119.76	
26 05 13 16-0069 MLF 4/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	7,754.02	
26 05 13 16-0070 MLF 250 MCM, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	9,369.33	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 13 16-0071 MLF 350 MCM, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	10,468.63	
26 05 13 16-0072 MLF 500 MCM, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	13,236.59	
 <b>26 05 13 16-0073 Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133 Percent Insulation, Installed On Poles (Aerial)</b> <small>(26 05 13 16-0002)</small>		
26 05 13 16-0074 MLF #6 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	2,562.38	465.79
26 05 13 16-0075 MLF #4 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	3,116.01	499.43
26 05 13 16-0076 MLF #2 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	3,981.32	631.57
26 05 13 16-0077 MLF #1 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	4,599.79	698.64
26 05 13 16-0078 MLF 1/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	5,220.80	766.71
26 05 13 16-0079 MLF 2/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	6,065.12	900.05
26 05 13 16-0080 MLF 3/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	7,728.03	1,029.30
26 05 13 16-0081 MLF 4/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	8,803.24	1,194.27
26 05 13 16-0082 MLF 250 MCM, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	11,061.52	1,502.47
26 05 13 16-0083 MLF 350 MCM, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	13,132.13	1,901.09
26 05 13 16-0084 MLF 500 MCM, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	17,118.60	2,388.55
 <b>26 05 13 16-0085 15 KV Cable</b> <small>(26 05 13 16-0001)</small>		
<b>26 05 13 16-0086 Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable</b> <small>(26 05 13 16-0085)</small>		
<b>26 05 13 16-0087 Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct</b> <small>(26 05 13 16-0086)</small>		
26 05 13 16-0088 MLF #4 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct	6,581.27	1,501.78
26 05 13 16-0089 MLF #2 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct	7,156.33	1,501.78
26 05 13 16-0090 MLF #1 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct	7,375.68	1,501.78
26 05 13 16-0091 MLF 1/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct	8,090.24	1,501.78
26 05 13 16-0092 MLF 2/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct	8,768.46	1,501.78
26 05 13 16-0093 MLF 3/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct	10,071.33	1,567.60
26 05 13 16-0094 MLF 4/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct	10,337.78	1,567.60
26 05 13 16-0095 MLF 250 MCM, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct	11,970.61	1,639.33
26 05 13 16-0096 MLF 350 MCM, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct	13,628.99	1,677.77
26 05 13 16-0097 MLF 500 MCM, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct	16,859.95	1,889.84
 <b>26 05 13 16-0098 Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial</b> <small>(26 05 13 16-0086)</small>		
<small>Note: Excludes excavation.</small>		
26 05 13 16-0099 MLF #1 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	5,760.22	
26 05 13 16-0100 MLF 1/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	6,474.77	
26 05 13 16-0101 MLF 2/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	7,153.00	
26 05 13 16-0102 MLF 3/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	8,476.64	
26 05 13 16-0103 MLF 4/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	8,743.07	
26 05 13 16-0104 MLF 250 MCM, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	10,464.62	
26 05 13 16-0105 MLF 350 MCM, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	12,125.72	
26 05 13 16-0106 MLF 500 MCM, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	15,141.93	
 <b>26 05 13 16-0107 Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)</b> <small>(26 05 13 16-0085)</small>		
26 05 13 16-0108 MLF #1 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	5,399.90	665.40
26 05 13 16-0109 MLF 1/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	6,385.28	766.71
26 05 13 16-0110 MLF 2/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	7,419.94	900.05
26 05 13 16-0111 MLF 3/0 AWG, XLP, 15 KV, Installed On Poles (Aerial), Shielded, Single Copper Conductor, 133% Insulation Cable	8,903.99	1,029.30
26 05 13 16-0112 MLF 4/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	9,611.37	1,194.27
26 05 13 16-0113 MLF 250 MCM, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	11,588.87	1,390.30
26 05 13 16-0114 MLF 350 MCM, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	13,765.23	1,620.05
26 05 13 16-0115 MLF 500 MCM, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	17,165.94	1,881.83
 <b>26 05 13 16-0116 Ethylene-Propylene Rubber (EPR) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable</b> <small>(26 05 13 16-0085)</small>		
<b>26 05 13 16-0117 Ethylene-Propylene Rubber (EPR), 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct</b> <small>(26 05 13 16-0116)</small>		
26 05 13 16-0118 MLF #4 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct	7,090.10	1,501.78
26 05 13 16-0119 MLF #2 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct	7,768.67	1,501.78
26 05 13 16-0120 MLF #1 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct	8,027.50	1,501.78
26 05 13 16-0121 MLF 1/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct	8,870.68	1,501.78
26 05 13 16-0122 MLF 2/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct	9,670.98	1,501.78
26 05 13 16-0123 MLF 3/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct	11,178.78	1,567.60
26 05 13 16-0124 MLF 4/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct	11,493.18	1,567.60
26 05 13 16-0125 MLF 250 MCM, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct	13,387.61	1,639.33
26 05 13 16-0126 MLF 350 MCM, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct	15,327.21	1,677.77
26 05 13 16-0127 MLF 500 MCM, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct	19,044.32	1,889.84



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

26 05 13 16-0128	<b>Ethylene-Propylene Rubber (EPR), 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial</b> (26 05 13 16-0116)		
	Note: Excludes excavation.		
26 05 13 16-0129	MLF #1 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial .....	6,412.04	
26 05 13 16-0130	MLF 1/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial .....	7,255.22	
26 05 13 16-0131	MLF 2/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial .....	8,055.52	
26 05 13 16-0132	MLF 3/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial .....	9,584.08	
26 05 13 16-0133	MLF 4/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial .....	9,898.47	
26 05 13 16-0134	MLF 250 MCM, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial .....	11,877.50	
26 05 13 16-0135	MLF 350 MCM, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial .....	13,817.22	
26 05 13 16-0136	MLF 500 MCM, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial .....	17,326.30	
26 05 13 16-0137	<b>Ethylene-Propylene Rubber (EPR), 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)</b> (26 05 13 16-0116)		
26 05 13 16-0138	MLF #1 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial) .....	6,051.72	665.40
26 05 13 16-0139	MLF 1/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial) .....	7,165.73	766.71
26 05 13 16-0140	MLF 2/0 AWG, EPEPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial) .....	8,322.46	900.05
26 05 13 16-0141	MLF 3/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial) .....	10,011.43	1,029.30
26 05 13 16-0142	MLF 4/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial) .....	10,766.77	1,194.27
26 05 13 16-0143	MLF 250 MCM, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial) .....	13,005.87	1,390.30
26 05 13 16-0144	MLF 350 MCM, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial) .....	15,463.46	1,620.05
26 05 13 16-0145	MLF 500 MCM, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial) .....	19,350.31	1,881.83
26 05 13 16-0146	<b>15 KV Non-Shielded Single Copper Conductor</b> (26 05 13 16-0085)		
26 05 13 16-0147	MLF 1/0 AWG, 15 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct .....	9,652.11	1,507.04
26 05 13 16-0148	MLF 2/0 AWG, 15 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct .....	8,271.02	1,543.07
26 05 13 16-0149	MLF 3/0 AWG, 15 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct .....	12,665.45	1,579.09
26 05 13 16-0150	MLF 350 MCM, 15 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct .....	17,564.28	1,684.32
26 05 13 16-0151	<b>Shielded, Armored Copper, 15 KV, 3 Conductor Cable</b> (26 05 13 16-0085)		
	Note: Laid in cable tray or hung in vertical cable shaft.		
26 05 13 16-0152	<b>Galvanized Steel Interlocked Armor Cable</b> (26 05 13 16-0151)		
26 05 13 16-0153	LF 3 Conductors, #2 AWG, TC, 15 KV, Galvanized Armored Shielded Cable, Laid In Cable Tray Or Hung Vertically .....	44.46	11.49
26 05 13 16-0154	LF 3 Conductors, 1/0 AWG, TC, 15 KV, Galvanized Armored Shielded Cable, Laid In Cable Tray Or Hung Vertically .....	53.61	12.24
26 05 13 16-0155	<b>Aluminum Interlocked Armor Cable</b> (26 05 13 16-0151)		
26 05 13 16-0156	LF 3 Conductors, #2 AWG, TC, 15 KV, Aluminum Armored Shielded Cable, Laid In Cable Tray Or Hung Vertically .....	44.46	11.49
26 05 13 16-0157	LF 3 Conductor, 1/0 AWG, TC, 15 KV, Aluminum Armored Shielded Cable, Laid In Cable Tray Or Hung Vertically .....	53.61	12.24
26 05 13 16-0158	<b>Type URD, 15 KV Primary Concentric UD Cable</b> (26 05 13 16-0085)		
	Note: 0.175" XLPE insulation, copper conductor.		
26 05 13 16-0159	MLF #4 AWG, Type URD (XLPE), 15 KV, Shielded, Single Conductor Cable, Installed In Conduit .....	3,254.88	753.57
26 05 13 16-0160	MLF #2 AWG, Type URD (XLPE), 15 KV, Shielded, Single Conductor Cable, Installed In Conduit .....	3,910.53	822.84
26 05 13 16-0161	MLF #1 AWG, Type URD (XLPE), 15 KV, Shielded, Single Conductor Cable, Installed In Conduit .....	4,710.86	929.67
26 05 13 16-0162	MLF 1/0 AWG, Type URD (XLPE), 15 KV, Shielded, Single Conductor Cable, Installed In Conduit .....	6,156.51	1,142.28
26 05 13 16-0163	MLF 2/0 AWG, Type URD (XLPE), 15 KV, Shielded, Single Conductor Cable, Installed In Conduit .....	7,023.42	1,285.95
26 05 13 16-0164	MLF 3/0 AWG, Type URD (XLPE), 15 KV, Shielded, Single Conductor Cable, Installed In Conduit .....	8,758.84	1,431.66
26 05 13 16-0165	MLF 4/0 AWG, Type URD (XLPE), 15 KV, Shielded, Single Conductor Cable, Installed In Conduit .....	9,846.37	1,602.60
26 05 13 16-0166	<b>15 KV, URD Copper Cable, Direct Burial</b> (26 05 13 16-0085)		
26 05 13 16-0167	MLF 3 Conductors, #6 AWG, 15 KV, URD Copper Cable, Direct Burial .....	16,631.96	
26 05 13 16-0168	<b>Wire Connections</b> (26 05 13 16-0001)		
26 05 13 16-0169	<b>Medium Voltage Up To 5 KV</b> (26 05 13 16-0168)		
26 05 13 16-0170	<b>Shielded One Conductor Cable Splice</b> (26 05 13 16-0169)		
26 05 13 16-0171	EA #6 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV .....	337.28	90.33
26 05 13 16-0172	EA #2 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV .....	494.33	90.33
26 05 13 16-0173	EA 1/0 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV .....	494.33	90.33
26 05 13 16-0174	EA 2/0 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV .....	521.21	108.39
26 05 13 16-0175	EA 3/0 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV .....	521.21	108.39
26 05 13 16-0176	EA 4/0 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV .....	521.21	108.39
26 05 13 16-0177	EA 250 MCM Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV .....	557.05	126.46
26 05 13 16-0178	EA 350 MCM Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV .....	557.05	126.46
26 05 13 16-0179	EA 500 MCM Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV .....	557.05	126.46
26 05 13 16-0180	<b>Cable Termination Without Stress Cone</b> (26 05 13 16-0169)		
26 05 13 16-0181	EA #6 To 4/0 AWG Cable Termination Without Stress Cone, Medium Voltage To 5 KV .....	548.40	108.39



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 13 16-0182 EA 250 To 500 MCM Cable Termination Without Stress Cone, Medium Voltage To 5 KV .....	631.06	126.46
<b>26 05 13 16-0183 Cable Termination With Stress Cone</b> <small>(26 05 13 16-0169)</small>		
26 05 13 16-0184 EA #6 To 4/0 AWG Cable Termination With Stress Cone, Medium Voltage To 5 KV .....	1,779.75	216.77
26 05 13 16-0185 EA 250 To 500 MCM Cable Termination With Stress Cone, Medium Voltage To 5 KV .....	2,439.03	298.06
<b>26 05 13 16-0186 Connect To Pothead, Pothead Included</b> <small>(26 05 13 16-0169)</small>		
26 05 13 16-0187 EA #6 To 4/0 AWG Connection To Pothead (Included) Medium Voltage To 5 KV .....	1,874.60	216.77
26 05 13 16-0188 EA 250 To 500 MCM Connection To Pothead (Included) Medium Voltage To 5 KV .....	2,433.56	248.39
<b>26 05 13 16-0189 Two Conductor Pothead</b> <small>(26 05 13 16-0169)</small>		
Note: Includes 5 KV pothead.		
26 05 13 16-0190 EA #6 To 4/0 AWG, Two Conductors, 5 KV Pothead (Included) Medium Voltage To 5 KV .....	1,173.56	298.06
26 05 13 16-0191 EA 250 To 350 MCM, Two Conductors, 5 KV Pothead (Included) Medium Voltage To 5 KV .....	1,609.79	379.36
26 05 13 16-0192 EA 400 To 700 MCM, Two Conductors, 5 KV Pothead (Included) Medium Voltage To 5 KV .....	2,657.73	430.13
26 05 13 16-0193 EA 750 MCM, Two Conductors, 5 KV Pothead (Included) Medium Voltage To 5 KV .....	4,598.61	501.84
26 05 13 16-0194 EA 1,000 MCM, Two Conductors, 5 KV Pothead (Included) Medium Voltage To 5 KV .....	8,695.43	752.67
<b>26 05 13 16-0195 Three Conductor Pothead</b> <small>(26 05 13 16-0169)</small>		
Note: Includes 5 KV pothead.		
26 05 13 16-0196 EA #6 To 4/0 AWG, Three Conductors, 5 KV Pothead (Included) Medium Voltage To 5 KV .....	5,866.38	433.56
26 05 13 16-0197 EA 250 To 500 MCM, Three Conductors, 5 KV Pothead (Included) Medium Voltage To 5 KV .....	6,380.57	505.81
<b>26 05 13 16-0198 Copper Cable Splice, Crimp Compression Connection</b> <small>(26 05 13 16-0169)</small>		
Note: For bare wire.		
26 05 13 16-0199 EA #6 AWG Crimp Compression Connection For Bare Copper Wire .....	65.52	
26 05 13 16-0200 EA #4 AWG Crimp Compression Connection For Bare Copper Wire .....	72.94	
26 05 13 16-0201 EA #3 AWG Crimp Compression Connection For Bare Copper Wire .....	85.00	
26 05 13 16-0202 EA #2 AWG Crimp Compression Connection For Bare Copper Wire .....	95.74	
26 05 13 16-0203 EA #1 AWG Crimp Compression Connection For Bare Copper Wire .....	108.35	
26 05 13 16-0204 EA 1/0 AWG Crimp Compression Connection For Bare Copper Wire .....	120.23	
26 05 13 16-0205 EA 2/0 AWG Crimp Compression Connection For Bare Copper Wire .....	131.78	
26 05 13 16-0206 EA 3/0 AWG Crimp Compression Connection For Bare Copper Wire .....	144.61	
26 05 13 16-0207 EA 4/0 AWG Crimp Compression Connection For Bare Copper Wire .....	156.68	
26 05 13 16-0208 EA 250 MCM Crimp Compression Connection For Bare Copper Wire .....	169.32	
26 05 13 16-0209 EA 300 MCM Crimp Compression Connection For Bare Copper Wire .....	182.69	
26 05 13 16-0210 EA 350 MCM Crimp Compression Connection For Bare Copper Wire .....	194.31	
26 05 13 16-0211 EA 400 MCM Crimp Compression Connection For Bare Copper Wire .....	220.58	
26 05 13 16-0212 EA 500 MCM Crimp Compression Connection For Bare Copper Wire .....	248.61	
<b>26 05 13 16-0213 Aluminum Cable Splice, Crimp Compression Connection</b> <small>(26 05 13 16-0169)</small>		
Note: For bare wire.		
26 05 13 16-0214 EA #6 AWG Crimp Compression Connection For Bare Aluminum Wire .....	68.90	
26 05 13 16-0215 EA #4 AWG Crimp Compression Connection For Bare Aluminum Wire .....	74.81	
26 05 13 16-0216 EA #2 AWG Crimp Compression Connection For Bare Aluminum Wire .....	101.91	
26 05 13 16-0217 EA #1 AWG Crimp Compression Connection For Bare Aluminum Wire .....	124.05	
26 05 13 16-0218 EA 1/0 AWG Crimp Compression Connection For Bare Aluminum Wire .....	135.04	
26 05 13 16-0219 EA 2/0 AWG Crimp Compression Connection For Bare Aluminum Wire .....	145.93	
26 05 13 16-0220 EA 3/0 AWG Crimp Compression Connection For Bare Aluminum Wire .....	161.04	
26 05 13 16-0221 EA 4/0 AWG Crimp Compression Connection For Bare Aluminum Wire .....	174.06	
26 05 13 16-0222 EA 250 MCM Crimp Compression Connection For Bare Aluminum Wire .....	186.28	
26 05 13 16-0223 EA 300 MCM Crimp Compression Connection For Bare Aluminum Wire .....	199.27	
26 05 13 16-0224 EA 350 MCM Crimp Compression Connection For Bare Aluminum Wire .....	211.72	
26 05 13 16-0225 EA 400 MCM Crimp Compression Connection For Bare Aluminum Wire .....	245.52	
26 05 13 16-0226 EA 500 MCM Crimp Compression Connection For Bare Aluminum Wire .....	279.73	
<b>26 05 13 16-0227 15 KV</b> <small>(26 05 13 16-0168)</small>		
<b>26 05 13 16-0228 Single Conductor Pothead On Racks</b> <small>(26 05 13 16-0227)</small>		
Note: Includes pothead.		
26 05 13 16-0229 EA #2 To 4/0 AWG, Single Conductor, 15 KV Pothead (Included), On Racks .....	1,411.63	379.36
26 05 13 16-0230 EA 250 To 500 MCM, Single Conductor, 15 KV Pothead (Included), On Racks .....	1,814.30	469.68
<b>26 05 13 16-0231 Two Conductor Pothead On Rack</b> <small>(26 05 13 16-0227)</small>		
Note: Includes pothead.		
26 05 13 16-0232 EA #2 To 4/0 AWG, Two Conductors, 15 KV Pothead (Included), On Racks .....	2,046.71	578.07
26 05 13 16-0233 EA 250 To 500 MCM, Two Conductors, 15 KV Pothead (Included), On Racks .....	2,477.48	686.46
<b>26 05 13 16-0234 Three Conductor Pothead On Rack</b> <small>(26 05 13 16-0227)</small>		
Note: Includes pothead.		
26 05 13 16-0235 EA #2 To 4/0 AWG, Three Conductors, 15 KV Pothead (Included), On Racks .....	2,595.12	749.68
26 05 13 16-0236 EA 250 To 500 MCM, Three Conductors, 15 KV Pothead (Included), On Racks .....	3,228.62	939.37

<b>26</b>	<b>Electrical</b>
<b>26 05</b>	<b>Common Work Results for Electrical</b>
<b>26 05 13</b>	<b>Medium-Voltage Cables</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>26 05 13 16-0237</b> <b>Stress Relief Cone On Rack</b> <small>(26 05 13 16-0227)</small>		
26 05 13 16-0238 EA #2 To 4/0 AWG Stress Relief Cone, On Rack .....	1,297.03	379.36
26 05 13 16-0239 EA 250 To 500 MCM Stress Relief Cone, On Rack .....	1,685.46	469.68
<b>26 05 13 16-0240</b> <b>Grounded, Shielded Cable Splice</b> <small>(26 05 13 16-0227)</small>		
26 05 13 16-0241 EA #2 To 4/0 AWG Cable Splice, Grounded, Shielded, 15 KV .....	866.16	280.00
26 05 13 16-0242 EA 250 To 500 MCM Cable Splice, Grounded, Shielded, 15 KV .....	1,106.34	361.29
26 05 13 16-0243 EA 3/0 To 500 MCM 15 KV Splice Kit, Cable Splice, Grounded, Shielded, Universal Mechanical Type CE - CE 2-Way .....	6,316.94	993.56
26 05 13 16-0244 EA 3/0 To 500 MCM 15 KV Splice Kit, Cable Splice, Grounded, Shielded, Universal Mechanical Type CE - CE - CE 3-Way .....	8,369.70	1,083.89
<b>26 05 13 16-0245</b> <b>Cable Termination</b> <small>(26 05 13 16-0227)</small>		
26 05 13 16-0246 EA #2 To 3/0 AWG Cable Termination 15 KV .....	611.94	158.07
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	94.84	
26 05 13 16-0247 EA 4/0 To 250 MCM Cable Termination 15 KV .....	768.37	203.23
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	121.94	
26 05 13 16-0248 EA 350 To 500 MCM Cable Termination 15 KV .....	957.38	248.39
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	149.03	
26 05 13 16-0249 EA #2 To 3/0 AWG Cable Elbow Termination 15 KV .....	403.78	90.33
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	54.20	
<b>26 05 13 16-0250</b> <b>Stress Cones, 5-15 KV, 4 Skirted</b> <small>(26 05 13 16-0227)</small>		
26 05 13 16-0251 EA #4 To 1/0 AWG Stress Cones, 5-15 KV, 4 Skirted .....	894.70	117.42
26 05 13 16-0252 EA 2/0 To 3/0 AWG Stress Cones, 5-15 KV, 4 Skirted .....	1,024.71	129.77
26 05 13 16-0253 EA 4/0 To 350 MCM Stress Cones, 5-15 KV, 4 Skirted .....	1,233.26	142.02
26 05 13 16-0254 EA 400 To 500 MCM Stress Cones, 5-15 KV, 4 Skirted .....	1,611.85	163.64
<b>26 05 13 16-0255</b> <b>Stress Cones, 5-15 KV, 6 Skirted</b> <small>(26 05 13 16-0227)</small>		
26 05 13 16-0256 EA #4 To 1/0 AWG Stress Cones, 5-15 KV, 6 Skirted .....	1,789.43	235.24
26 05 13 16-0257 EA 2/0 To 3/0 AWG Stress Cones, 5-15 KV, 6 Skirted .....	2,049.70	259.55
26 05 13 16-0258 EA 4/0 To 350 MCM Stress Cones, 5-15 KV, 6 Skirted .....	2,455.98	278.78
26 05 13 16-0259 EA 400 To 500 MCM Stress Cones, 5-15 KV, 6 Skirted .....	3,223.70	327.26
<b>26 05 13 16-0260</b> <b>35 KV</b> <small>(26 05 13 16-0168)</small>		
<b>26 05 13 16-0261</b> <b>35 KV One Conductor Splice</b> <small>(26 05 13 16-0260)</small>		
26 05 13 16-0262 EA #1 Stranded To 4/0 Stranded, 35 KV, Cable Splicing .....	2,173.67	
<b>26 05 13 16-0263</b> <b>Cable Termination</b> <small>(26 05 13 16-0260)</small>		
26 05 13 16-0264 EA #2 To 3/0 AWG Cable Termination, 35 KV .....	573.88	108.48
26 05 13 16-0265 EA 3/0 AWG To 250 MCM, 35 KV, Cable Termination .....	764.02	163.67
26 05 13 16-0266 EA 350 To 500 MCM Cable Termination 35 KV .....	905.94	175.05
26 05 13 16-0267 EA #2 To 3/0 AWG Cable Elbow Termination 35 KV .....	449.92	90.33
<b>26 05 13 16-0268</b> <b>70 KV</b> <small>(26 05 13 16-0168)</small>		
<b>26 05 13 16-0269</b> <b>Cable Splice</b> <small>(26 05 13 16-0268)</small>		
26 05 13 16-0270 EA 350 MCM, 70 KV, Cable Splicing .....	15,125.84	
26 05 13 16-0271 EA #2 To 4/0, 70 KV, Cable Splicing .....	2,289.60	
<b>26 05 19 Low-Voltage Electrical Power Conductors and Cables</b> <small>(26 05)</small>		
<b>26 05 19 16 Low-Voltage, Single-and Multi-Conductor Cables</b> <small>(26 05 19)</small>		
<b>26 05 19 16-0001</b> <b>Cable Installation Methods</b> <small>(26 05 19 16)</small>		
<b>26 05 19 16-0002</b> <b>Pull Cord</b> <small>(26 05 19 16-0001)</small>		
Note: Left in conduit for others to pull cable. Not to be used when contractor has priced new wire in a conduit. Priced when owner wants a pull cord left in a conduit for owner to pull wire at a later time.		
26 05 19 16-0003 LF Pull String Installed To Remain In Place, In Existing Conduit .....	0.29	
26 05 19 16-0004 LF Pull String Installed To Remain In Place, In New Conduits .....	0.16	
26 05 19 16-0005 LF 1/4" Nylon Pull Cord Installed To Remain In Place, In Existing Conduit .....	0.54	
26 05 19 16-0006 LF 1/4" Nylon Pull Cord Installed To Remain In Place, In New Conduits .....	0.36	
<b>26 05 19 16-0007</b> <b>Bore Conduit Into Dirt Or Sand</b> <small>(26 05 19 16-0001)</small>		
Note: For installation under roads, driveways or other structures up to 20'.		
26 05 19 16-0008 LF Bore 1" To 4" Conduit Into Dirt Or Sand .....	3.21	
26 05 19 16-0009 LF Bore 5" To 8" Conduit Into Dirt Or Sand .....	4.09	



MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
26 05 19 16-0010	EA	Boring Minimum Set-Up Charge.....	449.95		
Note: For projects where the total boring charge is less than the minimum set-up charge. Use this item exclusively. This item should not be used in conjunction with any other items in this section.					
26 05 19 16-0011		<b>Wire and Cable</b> <small>(26 05 19 16)</small>			
Note: Pulled in conduit except as noted. Includes pull wires, pulling branch circuit conductors, splicing (#8 and lighter), identifying, tagging and testing. All conductors are copper except as otherwise noted. No special set-up is required. For tasks installed in conduit, tasks exclude conduit. Excludes terminations. See CSI section 26 05 33 13-0058 for various conduit types.					
26 05 19 16-0012		<b>600 Volt Wire</b> <small>(26 05 19 16-0011)</small>			
26 05 19 16-0013		<b>Single Solid Conductor, Copper</b> <small>(26 05 19 16-0012)</small>			
26 05 19 16-0014	MLF	#14 AWG, Type THHN-THWN, 600 Volt, Copper, Single Solid Cable, Installed In Conduit.....	524.69		200.23
26 05 19 16-0015	MLF	#12 AWG, Type THHN-THWN, 600 Volt, Copper, Single Solid Cable, Installed In Conduit.....	663.49		235.55
26 05 19 16-0016	MLF	#10 AWG, Type THHN-THWN, 600 Volt, Copper, Single Solid Cable, Installed In Conduit.....	831.91		288.02
26 05 19 16-0017	MLF	#14 AWG, Type XHHW, 600 Volt, Copper, Single Solid Cable, Installed In Conduit.....	685.67		200.23
26 05 19 16-0018	MLF	#12 AWG, Type XHHW, 600 Volt, Copper, Single Solid Cable, Installed In Conduit.....	835.53		235.55
26 05 19 16-0019	MLF	#10 AWG, Type XHHW, 600 Volt, Copper, Single Solid Cable, Installed In Conduit.....	1,013.10		288.02
26 05 19 16-0020		<b>Power Cable, Stranded Conductor, Copper</b> <small>(26 05 19 16-0012)</small>			
26 05 19 16-0021		<b>Power Cable, Stranded, Single Conductor, XHHW-2</b> <small>(26 05 19 16-0020)</small>			
26 05 19 16-0022	MLF	#16 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....	549.89		165.01
26 05 19 16-0023	MLF	#14 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....	646.92		198.00
26 05 19 16-0024	MLF	#12 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....	805.25		231.01
26 05 19 16-0025	MLF	#10 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....	1,004.97		264.01
26 05 19 16-0026	MLF	#8 AWG, XLP (XHHW-2), 600 Volt, Copper, Single Stranded, Power Cable, Installed In Conduit.....	1,354.85		330.01
26 05 19 16-0027	MLF	#6 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....	1,866.00		396.02
26 05 19 16-0028	MLF	#4 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....	2,588.36		495.03
26 05 19 16-0029	MLF	#3 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....	3,080.13		561.02
26 05 19 16-0030	MLF	#2 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....	3,673.79		627.03
26 05 19 16-0031	MLF	#1 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....	4,614.70		693.03
26 05 19 16-0032	MLF	1/0 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....	5,564.90		792.04
26 05 19 16-0033	MLF	2/0 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....	6,707.66		891.04
26 05 19 16-0034	MLF	3/0 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....	8,083.65		990.04
26 05 19 16-0035	MLF	4/0 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....	9,756.79		1,089.05
26 05 19 16-0036	MLF	250 MCM, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....	10,315.57		1,188.06
26 05 19 16-0037	MLF	300 MCM, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....	12,318.89		1,287.06
26 05 19 16-0038	MLF	350 MCM, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....	13,132.07		1,386.06
26 05 19 16-0039	MLF	400 MCM, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....	14,735.95		1,485.07
26 05 19 16-0040	MLF	500 MCM, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....	17,160.69		1,584.08
26 05 19 16-0041	MLF	600 MCM, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....	19,840.69		1,716.08
26 05 19 16-0042	MLF	750 MCM, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....	30,657.50		1,914.09
26 05 19 16-0043	MLF	1,000 MCM, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....	43,569.43		2,244.11
26 05 19 16-0044		<b>Power Cable, Stranded, Multi Conductor, XHHW-2</b> <small>(26 05 19 16-0020)</small>			
26 05 19 16-0045	MLF	2 Conductors, #14 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	1,293.82		395.94
26 05 19 16-0046	MLF	3 Conductors, #14 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	1,610.73		462.11
26 05 19 16-0047	MLF	4 Conductors, #14 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	2,010.22		561.02
26 05 19 16-0048	MLF	6 Conductors, #14 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	2,437.01		610.28
26 05 19 16-0049	MLF	7 Conductors, #14 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	2,671.87		643.44
26 05 19 16-0050	MLF	9 Conductors, #14 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	3,140.37		709.37
26 05 19 16-0051	MLF	10 Conductors, #14 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	2,000.29		739.40
26 05 19 16-0052	MLF	12 Conductors, #14 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	3,844.06		808.54
26 05 19 16-0053	MLF	14 Conductors, #14 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	4,271.92		858.21
26 05 19 16-0054	MLF	24 Conductors, #14 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	6,368.20		1,089.13
26 05 19 16-0055	MLF	37 Conductors, #14 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	9,662.68		1,617.07
26 05 19 16-0056	MLF	2 Conductors, #12 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	1,610.70		462.11
26 05 19 16-0057	MLF	3 Conductors, #12 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	2,085.83		561.02
26 05 19 16-0058	MLF	4 Conductors, #12 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	2,560.96		660.03
26 05 19 16-0059	MLF	2 Conductors, #10 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	2,174.32		593.78
26 05 19 16-0060	MLF	3 Conductors, #10 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	2,848.36		725.37
26 05 19 16-0061	MLF	4 Conductors, #10 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	3,690.29		924.21
26 05 19 16-0062	MLF	6 Conductors, #10 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	5,040.83		1,188.47
26 05 19 16-0063	MLF	9 Conductors, #10 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	6,899.84		1,518.15
26 05 19 16-0064	MLF	2 Conductors, #8 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	2,750.94		676.54
26 05 19 16-0065	MLF	3 Conductors, #8 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	3,569.51		792.04
26 05 19 16-0066	MLF	4 Conductors, #8 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	4,635.60		1,006.55
26 05 19 16-0067	MLF	2 Conductors, #6 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	3,649.60		759.04
26 05 19 16-0068	MLF	3 Conductors, #6 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	4,979.25		940.55
26 05 19 16-0069	MLF	4 Conductors, #6 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	6,403.87		1,160.00
26 05 19 16-0070	MLF	2 Conductors, #4 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	5,003.82		920.91
26 05 19 16-0071	MLF	3 Conductors, #4 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	6,685.76		1,053.33
26 05 19 16-0072	MLF	4 Conductors, #4 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	8,689.26		1,314.45
26 05 19 16-0073	MLF	2 Conductors, #2 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	7,016.74		1,121.72
26 05 19 16-0074	MLF	3 Conductors, #2 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	9,454.63		1,254.39
26 05 19 16-0075	MLF	4 Conductors, #2 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	12,550.08		1,650.07
26 05 19 16-0076	MLF	3 Conductors, #1 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	12,605.88		1,583.83

**26 Electrical**  
**26 05 Common Work Results for Electrical**  
**26 05 19 Low-Voltage Electrical Power Conductors and Cables**



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0077 MLF 4 Conductors, #1 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	16,476.61	1,979.27
26 05 19 16-0078 MLF 3 Conductors, 1/0 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	15,045.37	1,716.41
26 05 19 16-0079 MLF 3 Conductors, 2/0 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	18,388.28	1,979.27
26 05 19 16-0080 MLF 3 Conductors, 3/0 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	22,598.37	2,309.12
26 05 19 16-0081 MLF 4 Conductors, 3/0 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	29,856.26	2,968.90
26 05 19 16-0082 MLF 3 Conductors, 4/0 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	27,708.47	2,642.36
26 05 19 16-0083 MLF 3 Conductors, 250 MCM, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	29,458.41	2,968.90
26 05 19 16-0084 MLF 3 Conductors, 350 MCM, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	37,251.08	3,300.16
26 05 19 16-0085 MLF 3 Conductors, 500 MCM, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	48,669.13	3,627.03

**26 05 19 16-0086 Underground Feeder And Branch Circuit Suitable, Single Stranded Copper**

(26 05 19 16-0012)

Note: Direct bury.

26 05 19 16-0087 MLF #14 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	845.88	
26 05 19 16-0088 MLF #12 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	998.10	
26 05 19 16-0089 MLF #10 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	1,283.80	
26 05 19 16-0090 MLF #8 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	1,711.22	
26 05 19 16-0091 MLF #6 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	2,479.05	
26 05 19 16-0092 MLF #4 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	3,299.47	
26 05 19 16-0093 MLF #2 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	4,881.22	
26 05 19 16-0094 MLF #1 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	6,180.77	
26 05 19 16-0095 MLF 1/0 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	7,653.83	
26 05 19 16-0096 MLF 2/0 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	9,359.60	
26 05 19 16-0097 MLF 3/0 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	11,387.45	
26 05 19 16-0098 MLF 4/0 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	12,900.42	
26 05 19 16-0099 MLF 250 MCM, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	13,959.23	
26 05 19 16-0100 MLF 300 MCM, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	16,880.28	
26 05 19 16-0101 MLF 350 MCM, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	18,938.68	
26 05 19 16-0102 MLF 400 MCM, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	21,367.22	
26 05 19 16-0103 MLF 500 MCM, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	25,524.06	
26 05 19 16-0104 MLF 600 MCM, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	30,297.04	
26 05 19 16-0105 MLF 750 MCM, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	49,228.89	
26 05 19 16-0106 MLF #14 AWG, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	640.77	
26 05 19 16-0107 MLF #12 AWG, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	772.60	
26 05 19 16-0108 MLF #10 AWG, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	933.69	
26 05 19 16-0109 MLF #8 AWG, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	1,141.03	
26 05 19 16-0110 MLF #6 AWG, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	1,487.09	
26 05 19 16-0111 MLF #4 AWG, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	1,999.23	
26 05 19 16-0112 MLF #2 AWG, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	2,745.34	
26 05 19 16-0113 MLF #1 AWG, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	3,281.80	
26 05 19 16-0114 MLF 1/0 AWG, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	3,709.67	
26 05 19 16-0115 MLF 2/0 AWG, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	4,182.14	
26 05 19 16-0116 MLF 3/0 AWG, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	4,891.11	
26 05 19 16-0117 MLF 4/0 AWG, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	5,762.45	
26 05 19 16-0118 MLF 250 MCM, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	6,568.72	
26 05 19 16-0119 MLF 300 MCM, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	7,422.89	
26 05 19 16-0120 MLF 350 MCM, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	8,355.79	
26 05 19 16-0121 MLF 400 MCM, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	9,322.98	
26 05 19 16-0122 MLF 500 MCM, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	10,958.46	
26 05 19 16-0123 MLF 750 MCM, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	18,831.23	
26 05 19 16-0124 MLF #14 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	540.37	
26 05 19 16-0125 MLF #12 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	677.94	
26 05 19 16-0126 MLF #10 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	852.30	
26 05 19 16-0127 MLF #8 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	1,220.83	
26 05 19 16-0128 MLF #6 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	1,698.35	
26 05 19 16-0129 MLF #4 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	2,291.33	
26 05 19 16-0130 MLF #2 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	3,320.57	
26 05 19 16-0131 MLF #1 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	3,993.15	
26 05 19 16-0132 MLF 1/0 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	4,648.58	
26 05 19 16-0133 MLF 2/0 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	5,305.20	
26 05 19 16-0134 MLF 3/0 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	6,369.09	
26 05 19 16-0135 MLF 4/0 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	7,649.09	
26 05 19 16-0136 MLF 250 MCM, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	9,041.30	
26 05 19 16-0137 MLF 300 MCM, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	10,495.66	
26 05 19 16-0138 MLF 350 MCM, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	12,065.70	
26 05 19 16-0139 MLF 400 MCM, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	13,577.39	
26 05 19 16-0140 MLF 500 MCM, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	16,263.61	
26 05 19 16-0141 MLF 600 MCM, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	19,669.27	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0142 MLF 750 MCM, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	31,790.09	
26 05 19 16-0143 MLF #2 AWG, Type EPR, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	4,921.94	
26 05 19 16-0144 MLF 1/0 AWG, Type EPR, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	7,135.14	
26 05 19 16-0145 MLF 2/0 AWG, Type EPR, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	7,914.59	
26 05 19 16-0146 MLF 3/0 AWG, Type EPR, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	9,003.72	
26 05 19 16-0147 MLF 4/0 AWG, Type EPR, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	10,013.77	
26 05 19 16-0148 MLF 250 MCM, Type EPR, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	10,782.37	
26 05 19 16-0149 MLF 350 MCM, Type EPR, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	15,662.15	
26 05 19 16-0150 MLF 400 MCM, Type EPR, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	17,040.71	
26 05 19 16-0151 MLF 500 MCM, Type EPR, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	19,504.48	
<b>26 05 19 16-0152 600 Volt, Armored Cable, Copper Conductors (26 05 19 16-0012)</b>		
<b>26 05 19 16-0153 ACTHH, Solid (26 05 19 16-0152)</b>		
26 05 19 16-0154 MLF 1 Conductor, #8 AWG, Type ACT, Solid, Armored Cable.....	2,251.94	541.94
26 05 19 16-0155 MLF 1 Conductor, #6 AWG, Type ACT, Solid, Armored Cable.....	2,612.00	614.20
26 05 19 16-0156 MLF 1 Conductor, #4 AWG, Type ACT, Solid, Armored Cable.....	3,060.29	650.33
26 05 19 16-0157 MLF 2 Conductors, #14 AWG, Type ACTHH, Solid, Armored Cable.....	3,081.85	903.24
26 05 19 16-0158 MLF 2 Conductors, #12 AWG, Type ACTHH, Solid, Armored Cable.....	3,242.41	1,011.44
26 05 19 16-0159 MLF 2 Conductors, #10 AWG, Type ACTHH, Solid, Armored Cable.....	4,322.90	1,120.64
26 05 19 16-0160 MLF 2 Conductors, #8 AWG, Type ACTHH, Solid, Armored Cable.....	5,971.40	1,228.86
26 05 19 16-0161 MLF 3 Conductors, #14 AWG, Type ACTHH, Solid, Armored Cable.....	3,836.55	1,011.44
26 05 19 16-0162 MLF 3 Conductors, #12 AWG, Type ACTHH, Solid, Armored Cable.....	3,936.18	1,120.64
26 05 19 16-0163 MLF 3 Conductors, #10 AWG, Type ACTHH, Solid, Armored Cable.....	5,262.09	1,265.07
26 05 19 16-0164 MLF 3 Conductors, #8 AWG, Type ACTHH, Solid, Armored Cable.....	7,204.01	1,372.74
26 05 19 16-0165 MLF 4 Conductors, #14 AWG, Type ACTHH, Solid, Armored Cable.....	4,691.14	1,120.64
26 05 19 16-0166 MLF 4 Conductors, #12 AWG, Type ACTHH, Solid, Armored Cable.....	5,090.03	1,265.07
26 05 19 16-0167 MLF 4 Conductors, #10 AWG, Type ACTHH, Solid, Armored Cable.....	6,750.07	1,409.14
26 05 19 16-0168 MLF 4 Conductors, #8 AWG, Type ACTHH, Solid, Armored Cable.....	9,178.12	1,518.07
<b>26 05 19 16-0169 ACTHH, Stranded (26 05 19 16-0152)</b>		
26 05 19 16-0170 MLF 2 Conductors, #8 AWG, Type ACTHH, Stranded, Armored Cable.....	6,152.90	1,301.47
26 05 19 16-0171 MLF 2 Conductors, #6 AWG, Type ACTHH, Stranded, Armored Cable.....	7,650.73	1,480.67
26 05 19 16-0172 MLF 3 Conductors, #8 AWG, Type ACTHH, Stranded, Armored Cable.....	7,385.21	1,445.18
26 05 19 16-0173 MLF 3 Conductors, #6 AWG, Type ACTHH, Stranded, Armored Cable.....	9,523.50	1,624.56
26 05 19 16-0174 MLF 3 Conductors, #4 AWG, Type ACTHH, Stranded, Armored Cable.....	12,399.11	1,806.48
26 05 19 16-0175 MLF 3 Conductors, #3 AWG, Type ACTHH, Stranded, Armored Cable.....	14,383.12	1,985.14
26 05 19 16-0176 MLF 3 Conductors, #2 AWG, Type ACTHH, Stranded, Armored Cable.....	16,633.16	2,166.05
26 05 19 16-0177 MLF 4 Conductors, #8 AWG, Type ACTHH, Stranded, Armored Cable.....	9,717.16	1,733.67
26 05 19 16-0178 MLF 4 Conductors, #6 AWG, Type ACTHH, Stranded, Armored Cable.....	12,023.39	1,913.60
26 05 19 16-0179 MLF 4 Conductors, #4 AWG, Type ACTHH, Stranded, Armored Cable.....	15,978.84	2,095.69
26 05 19 16-0180 MLF 4 Conductors, #3 AWG, Type ACTHH, Stranded, Armored Cable.....	17,541.53	2,275.17
26 05 19 16-0181 MLF 4 Conductors, #2 AWG, Type ACTHH, Stranded, Armored Cable.....	21,155.23	2,454.46
<b>26 05 19 16-0182 HCFC, Solid (26 05 19 16-0152)</b>		
26 05 19 16-0183 MLF 2 Conductors, #14 AWG, Type HCF, Solid, Armored Cable.....	3,599.27	903.24
26 05 19 16-0184 MLF 2 Conductors, #12 AWG, Type HCF, Solid, Armored Cable.....	3,904.73	1,014.88
26 05 19 16-0185 MLF 2 Conductors, #10 AWG, Type HCF, Solid, Armored Cable.....	4,391.40	1,115.14
26 05 19 16-0186 MLF 3 Conductors, #14 AWG, Type HCF, Solid, Armored Cable.....	4,474.93	1,014.88
26 05 19 16-0187 MLF 3 Conductors, #12 AWG, Type HCF, Solid, Armored Cable.....	4,764.51	1,115.14
26 05 19 16-0188 MLF 3 Conductors, #10 AWG, Type HCF, Solid, Armored Cable.....	6,491.44	1,272.21
26 05 19 16-0189 MLF 4 Conductors, #14 AWG, Type HCF, Solid, Armored Cable.....	5,682.36	1,115.14
26 05 19 16-0190 MLF 4 Conductors, #12 AWG, Type HCF, Solid, Armored Cable.....	6,133.50	1,272.21
26 05 19 16-0191 MLF 4 Conductors, #10 AWG, Type HCF, Solid, Armored Cable.....	8,842.46	1,411.31
<b>26 05 19 16-0192 MC, Solid Or Stranded, Galvanized Steel Armor (26 05 19 16-0152)</b>		
26 05 19 16-0193 MLF 2 Conductors, #14 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable.....	2,910.23	903.24
26 05 19 16-0194 MLF 2 Conductors, #12 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable.....	3,246.46	1,014.88
26 05 19 16-0195 MLF 2 Conductors, #10 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable.....	3,973.77	1,115.14
26 05 19 16-0196 MLF 2 Conductors, #8 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable.....	5,241.47	1,191.64
26 05 19 16-0197 MLF 2 Conductors, #6 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable.....	6,676.19	1,263.27
26 05 19 16-0198 MLF 3 Conductors, #14 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable.....	3,380.61	1,014.88
26 05 19 16-0199 MLF 3 Conductors, #12 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable.....	3,834.65	1,115.14
26 05 19 16-0200 MLF 3 Conductors, #10 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable.....	4,971.59	1,272.21
26 05 19 16-0201 MLF 3 Conductors, #8 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable.....	6,652.40	1,372.74
26 05 19 16-0202 MLF 3 Conductors, #6 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable.....	7,864.98	1,480.67
26 05 19 16-0203 MLF 3 Conductors, #4 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable.....	9,898.58	1,590.24
26 05 19 16-0204 MLF 3 Conductors, #2 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable.....	14,036.66	1,697.82
26 05 19 16-0205 MLF 4 Conductors, #14 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable.....	3,961.60	1,115.14
26 05 19 16-0206 MLF 4 Conductors, #12 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable.....	4,542.05	1,272.21
26 05 19 16-0207 MLF 4 Conductors, #10 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable.....	7,215.52	1,411.31
26 05 19 16-0208 MLF 4 Conductors, #8 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable.....	10,035.20	1,554.65
26 05 19 16-0209 MLF 4 Conductors, #6 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable.....	12,428.79	1,663.40
26 05 19 16-0210 MLF 4 Conductors, #4 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable.....	16,695.10	1,771.06
26 05 19 16-0211 MLF 4 Conductors, #2 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable.....	21,853.64	1,877.83

**26 Electrical**  
**26 05 Common Work Results for Electrical**  
**26 05 19 Low-Voltage Electrical Power Conductors and Cables**



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0212		<b>FPLP Solid TFN Red Armored Cable</b> (26 05 19 16-0152) Note: Color coded red.		
26 05 19 16-0213	MLF	#18/2 With Bare #18 Ground Type TFN FPLP Red Armored Cable.....	3,405.01	686.46
26 05 19 16-0214	MLF	#18/4 With Bare #18 Ground Type TFN FPLP Red Armored Cable.....	3,847.09	794.85
26 05 19 16-0215	MLF	#18/6 With Bare #18 Ground Type TFN FPLP Red Armored Cable.....	4,874.42	903.24
26 05 19 16-0216	MLF	#18/8 With Bare #18 Ground Type TFN FPLP Red Armored Cable.....	5,622.27	1,011.62
26 05 19 16-0217	MLF	#16/2 With Bare #16 Ground Type TFN FPLP Red Armored Cable.....	3,858.23	794.85
26 05 19 16-0218	MLF	#16/4 With Bare #16 Ground Type TFN FPLP Red Armored Cable.....	4,607.11	903.24
26 05 19 16-0219	MLF	#16/6 With Bare #16 Ground Type TFN FPLP Red Armored Cable.....	5,943.23	1,011.62
26 05 19 16-0220	MLF	#16/8 With Bare #16 Ground Type TFN FPLP Red Armored Cable.....	6,800.45	1,120.01
26 05 19 16-0221		<b>FPLP Solid THHN Red Armored Cable</b> (26 05 19 16-0152) Note: Color coded red.		
26 05 19 16-0222	MLF	#14/2 With #14 Ground Type THHN FPLP Red Armored Cable.....	4,259.82	903.24
26 05 19 16-0223	MLF	#14/4 With #14 Ground Type THHN FPLP Red Armored Cable.....	5,430.90	1,011.62
26 05 19 16-0224	MLF	#14/6 With #14 Ground Type THHN FPLP Red Armored Cable.....	7,516.29	1,120.01
26 05 19 16-0225	MLF	#14/8 With #14 Ground Type THHN FPLP Red Armored Cable.....	8,804.83	1,228.40
26 05 19 16-0226	MLF	#12/2 With #12 Ground Type THHN FPLP Red Armored Cable.....	5,538.23	1,011.62
26 05 19 16-0227	MLF	#12/4 With #12 Ground Type THHN FPLP Red Armored Cable.....	6,928.03	1,120.01
26 05 19 16-0228		<b>FPLP Twisted Shielded Pair Red Armored Cable</b> (26 05 19 16-0152) Note: Color coded red.		
26 05 19 16-0229	MLF	#18/2 With #18 Tinned Ground FPLP Twisted Shielded Pair Red Armored Cable.....	3,769.51	686.46
26 05 19 16-0230	MLF	#18/2 With #18 Tinned Ground And #14/2 With #14 Tinned Ground FPLP Twisted Shielded Pair Red Armored Cable.....	6,153.83	1,011.62
26 05 19 16-0231	MLF	#16/2 With #16 Tinned Ground FPLP Twisted Shielded Pair Red Armored Cable.....	4,699.62	794.85
26 05 19 16-0232	MLF	#16/4 With Two #16 Tinned Grounds FPLP Twisted Shielded Pair Red Armored Cable.....	5,597.34	903.24
26 05 19 16-0233	MLF	#16/2 With #16 Tinned Ground And #12/2 With #12 Ground FPLP Twisted Shielded Pair Red Armored Cable.....	7,958.76	1,120.01
26 05 19 16-0234	MLF	#14/2 With One #16 Tinned Ground And One #14 Ground FPLP Twisted Shielded Pair Red Armored Cable.....	5,494.28	939.37
26 05 19 16-0235	MLF	#14/4 With Two #16 Tinned Ground And One #14 Ground FPLP Twisted Shielded Pair Red Armored Cable.....	6,886.30	1,083.89
26 05 19 16-0236		<b>Armored Cable Connectors</b> (26 05 19 16-0152)		
26 05 19 16-0237	EA	3/4" Armored Cable Connector.....	5.70	1.98
		<i>For Work In Restricted Working Space, Add</i>	1.49	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	0.50	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	0.99	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	1.24	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	1.73	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	1.98	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	2.48	
		<i>For Elevated Installation &gt;40', Add</i>	2.72	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.49	
26 05 19 16-0238	EA	1" Armored Cable Connector.....	7.62	2.64
		<i>For Work In Restricted Working Space, Add</i>	1.98	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	0.66	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	1.32	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	1.65	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	2.31	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	2.64	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	3.30	
		<i>For Elevated Installation &gt;40', Add</i>	3.63	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.98	
26 05 19 16-0239	EA	1-1/4" Armored Cable Connector.....	9.59	3.30
		<i>For Work In Restricted Working Space, Add</i>	2.48	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	0.83	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	1.65	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	2.06	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	2.89	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	3.30	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	4.13	
		<i>For Elevated Installation &gt;40', Add</i>	4.54	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.48	
26 05 19 16-0240		<b>600 Volt, Feeder Wire, Single Stranded Copper</b> (26 05 19 16-0012)		
26 05 19 16-0241	MLF	#14 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	741.33	132.25
		<i>For EPR Insulation, Add</i>	36.95	
		<i>For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add</i>	86.21	
26 05 19 16-0242	MLF	#12 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	828.60	146.45
		<i>For EPR Insulation, Add</i>	37.66	
		<i>For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add</i>	87.87	
26 05 19 16-0243	MLF	#10 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	1,026.59	183.07
		<i>For EPR Insulation, Add</i>	54.98	
		<i>For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add</i>	128.30	
26 05 19 16-0244	MLF	#8 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	1,427.67	291.24
		<i>For EPR Insulation, Add</i>	90.39	
		<i>For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add</i>	210.92	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0245 MLF #6 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	2,002.69	349.49
<i>For EPR Insulation, Add</i>	151.90	
<i>For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add</i>	354.43	
26 05 19 16-0246 MLF #4 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	2,769.57	405.75
<i>For EPR Insulation, Add</i>	229.80	
<i>For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add</i>	536.20	
26 05 19 16-0247 MLF #3 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	3,163.23	464.41
<i>For EPR Insulation, Add</i>	264.10	
<i>For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add</i>	616.23	
26 05 19 16-0248 MLF #2 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	4,055.77	523.07
<i>For EPR Insulation, Add</i>	373.23	
<i>For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add</i>	870.87	
26 05 19 16-0249 MLF #1 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	5,094.54	582.56
<i>For EPR Insulation, Add</i>	504.29	
<i>For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add</i>	1,176.69	
26 05 19 16-0250 MLF 1/0 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	6,178.96	657.23
<i>For EPR Insulation, Add</i>	629.83	
<i>For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add</i>	1,469.60	
26 05 19 16-0251 MLF 2/0 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	7,505.67	728.84
<i>For EPR Insulation, Add</i>	791.71	
<i>For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add</i>	1,847.32	
26 05 19 16-0252 MLF 3/0 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	9,070.71	813.65
<i>For EPR Insulation, Add</i>	989.34	
<i>For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add</i>	2,308.46	
26 05 19 16-0253 MLF 4/0 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	10,254.76	904.65
<i>For EPR Insulation, Add</i>	1,129.82	
<i>For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add</i>	2,636.25	
26 05 19 16-0254 MLF 250 MCM, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	10,896.84	992.19
<i>For EPR Insulation, Add</i>	1,189.01	
<i>For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add</i>	2,774.35	
26 05 19 16-0255 MLF 300 MCM, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	12,954.30	1,090.70
<i>For EPR Insulation, Add</i>	1,460.50	
<i>For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add</i>	3,407.83	
26 05 19 16-0256 MLF 350 MCM, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	14,492.35	1,156.29
<i>For EPR Insulation, Add</i>	1,654.08	
<i>For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add</i>	3,859.52	
26 05 19 16-0257 MLF 400 MCM, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	16,294.14	1,292.35
<i>For EPR Insulation, Add</i>	1,887.22	
<i>For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add</i>	4,403.51	
26 05 19 16-0258 MLF 500 MCM, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	18,713.17	1,437.30
<i>For EPR Insulation, Add</i>	2,212.95	
<i>For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add</i>	5,163.54	
26 05 19 16-0259 MLF 600 MCM, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	22,026.09	1,495.39
<i>For EPR Insulation, Add</i>	2,660.38	
<i>For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add</i>	6,207.56	
26 05 19 16-0260 MLF 750 MCM, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	36,457.82	1,553.38
<i>For EPR Insulation, Add</i>	4,750.89	
<i>For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add</i>	11,085.41	
26 05 19 16-0261 MLF 1,000 MCM, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	46,209.31	1,659.82
<i>For EPR Insulation, Add</i>	6,164.11	
<i>For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add</i>	14,382.92	
26 05 19 16-0262 MLF #16 AWG, Type SFF-2, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	1,315.83	296.85
26 05 19 16-0263 MLF #14 AWG, Type SFF-2, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	1,676.62	330.01
26 05 19 16-0264 MLF #12 AWG, Type SFF-2, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	2,118.00	396.35
26 05 19 16-0265 MLF #10 AWG, Type SFF-2, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	2,516.66	461.85
26 05 19 16-0266 MLF #8 AWG, Type SFF-2, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	3,895.00	494.53
26 05 19 16-0267 MLF #18 AWG, Type TFFN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	415.00	165.01
26 05 19 16-0268 MLF #16 AWG, Type TFFN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	517.13	181.51
26 05 19 16-0269 MLF #14 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	534.28	132.34
26 05 19 16-0270 MLF #12 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	669.23	157.75
26 05 19 16-0271 MLF #10 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	839.25	198.43
26 05 19 16-0272 MLF #8 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	1,198.05	261.54
26 05 19 16-0273 MLF #6 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	1,660.69	315.83
26 05 19 16-0274 MLF #4 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	2,233.29	373.25
26 05 19 16-0275 MLF #3 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	2,682.51	422.50
26 05 19 16-0276 MLF #2 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	3,229.24	473.16
26 05 19 16-0277 MLF #1 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	3,877.65	533.97
26 05 19 16-0278 MLF 1/0 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	4,513.66	584.70
26 05 19 16-0279 MLF 2/0 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	5,146.86	646.17
26 05 19 16-0280 MLF 3/0 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	6,167.95	683.46
26 05 19 16-0281 MLF 4/0 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	7,398.80	768.94
26 05 19 16-0282 MLF 250 MCM, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	8,736.49	818.03
26 05 19 16-0283 MLF 300 MCM, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	10,133.37	926.44
26 05 19 16-0284 MLF 350 MCM, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	11,640.45	1,025.27
26 05 19 16-0285 MLF 400 MCM, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	13,091.94	1,053.33
26 05 19 16-0286 MLF 500 MCM, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	15,662.02	1,114.38
26 05 19 16-0287 MLF 600 MCM, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	19,586.77	1,311.40
26 05 19 16-0288 MLF 750 MCM, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	30,488.41	1,553.38
26 05 19 16-0289 MLF 1,000 MCM, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	36,594.51	1,875.48
26 05 19 16-0290 MLF #16 AWG, Type TGGT High Temperature, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	2,517.38	396.35
26 05 19 16-0291 MLF #14 AWG, Type TGGT High Temperature, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	2,773.80	461.85
26 05 19 16-0292 MLF #12 AWG, Type TGGT High Temperature, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	3,222.25	528.44
26 05 19 16-0293 MLF #10 AWG, Type TGGT High Temperature, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	4,288.86	593.78
26 05 19 16-0294 MLF #8 AWG, Type TGGT High Temperature, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	4,874.46	660.03

**26 Electrical****26 05 Common Work Results for Electrical****26 05 19 Low-Voltage Electrical Power Conductors and Cables**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0295 MLF #6 AWG, Type TGGT High Temperature, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit .....	6,344.09	725.37
<b>26 05 19 16-0296 Non-Metallic Sheathed Cable (26 05 19 16-0012)</b>		
<b>26 05 19 16-0297 Indoor Installation (26 05 19 16-0296)</b> Note: For NM, NM-B, NMC-B and NMS-B.		
26 05 19 16-0298 MLF #14 AWG, 2 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable .....	2,359.93	626.95
For Installation In Wood Stud Wall (Includes Drilling), Add	235.10	
26 05 19 16-0299 MLF #14 AWG, 3 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable .....	2,984.30	759.04
For Installation In Wood Stud Wall (Includes Drilling), Add	284.65	
26 05 19 16-0300 MLF #14 AWG, 4 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable .....	4,633.94	839.89
For Installation In Wood Stud Wall (Includes Drilling), Add	314.96	
26 05 19 16-0301 MLF #12 AWG, 2 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable .....	3,059.49	712.83
For Installation In Wood Stud Wall (Includes Drilling), Add	253.70	
26 05 19 16-0302 MLF #12 AWG, 3 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable .....	4,565.25	791.87
For Installation In Wood Stud Wall (Includes Drilling), Add	296.96	
26 05 19 16-0303 MLF #12 AWG, 4 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable .....	6,209.74	884.44
For Installation In Wood Stud Wall (Includes Drilling), Add	331.67	
26 05 19 16-0304 MLF #10 AWG, 2 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable .....	3,868.41	792.28
For Installation In Wood Stud Wall (Includes Drilling), Add	297.12	
26 05 19 16-0305 MLF #10 AWG, 3 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable .....	6,429.29	924.21
For Installation In Wood Stud Wall (Includes Drilling), Add	346.58	
26 05 19 16-0306 MLF #10 AWG, 4 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable .....	7,705.81	1,056.05
For Installation In Wood Stud Wall (Includes Drilling), Add	396.02	
26 05 19 16-0307 MLF #8 AWG, 2 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable .....	7,805.66	948.79
For Installation In Wood Stud Wall (Includes Drilling), Add	337.85	
26 05 19 16-0308 MLF #8 AWG, 3 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable .....	10,024.89	1,146.81
For Installation In Wood Stud Wall (Includes Drilling), Add	408.39	
26 05 19 16-0309 MLF #6 AWG, 2 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable .....	10,373.41	1,080.80
For Installation In Wood Stud Wall (Includes Drilling), Add	383.64	
26 05 19 16-0310 MLF #6 AWG, 3 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable .....	13,966.72	1,303.56
For Installation In Wood Stud Wall (Includes Drilling), Add	464.08	
26 05 19 16-0311 MLF #4 AWG, 3 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable .....	33,643.65	1,435.56
For Installation In Wood Stud Wall (Includes Drilling), Add	510.49	
26 05 19 16-0312 MLF #2 AWG, 3 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable .....	39,342.89	1,559.33
For Installation In Wood Stud Wall (Includes Drilling), Add	556.90	
<b>26 05 19 16-0313 Direct Burial Cable (26 05 19 16-0296)</b> Note: Excludes trench and backfill. For NM, NM-B, NMC-B and NMS-B. Copper.		
26 05 19 16-0314 MLF #14 AWG, 2 Conductors, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench .....	1,934.87	
26 05 19 16-0315 MLF #14 AWG, 3 Conductors, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench .....	2,550.71	
26 05 19 16-0316 MLF #12 AWG, 2 Conductors, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench .....	2,472.61	
26 05 19 16-0317 MLF #12 AWG, 3 Conductors, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench .....	3,263.29	
26 05 19 16-0318 MLF #10 AWG, 2 Conductors, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench .....	2,735.81	
26 05 19 16-0319 MLF #10 AWG, 3 Conductors, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench .....	4,045.94	
26 05 19 16-0320 MLF #8 AWG, 2 Conductors, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench.....	4,481.47	
26 05 19 16-0321 MLF #8 AWG, 3 Conductors, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench.....	5,786.90	
26 05 19 16-0322 MLF #6 AWG, 2 Conductors, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench.....	5,715.02	
26 05 19 16-0323 MLF #6 AWG, 3 Conductors, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench.....	7,638.66	
<b>26 05 19 16-0324 SEU Cable Copper, 3 Conductor (26 05 19 16-0296)</b>		
26 05 19 16-0325 MLF 12-12-12 Cable SEU Copper .....	2,672.62	795.12
26 05 19 16-0326 MLF 10-10-10 Cable SEU Copper .....	3,482.40	903.24
26 05 19 16-0327 MLF 8-8-8 Cable SEU Copper .....	4,485.60	1,011.44
26 05 19 16-0328 MLF 6-6-8 Cable SEU Copper .....	5,603.55	1,084.34
26 05 19 16-0329 MLF 6-6-6 Cable SEU Copper .....	6,090.15	1,120.64
26 05 19 16-0330 MLF 4-4-6 Cable SEU Copper .....	7,611.01	1,228.86
26 05 19 16-0331 MLF 4-4-4 Cable SEU Copper .....	8,281.60	1,265.07
26 05 19 16-0332 MLF 3-3-5 Cable SEU Copper .....	9,779.57	1,372.74
26 05 19 16-0333 MLF 3-3-3 Cable SEU Copper .....	10,405.19	1,445.18
26 05 19 16-0334 MLF 2-2-4 Cable SEU Copper .....	11,150.90	1,518.07
26 05 19 16-0335 MLF 2-2-2 Cable SEU Copper .....	11,966.84	1,590.24
26 05 19 16-0336 MLF 1-1-1 Cable SEU Copper .....	14,840.40	1,806.48
26 05 19 16-0337 MLF 1/0-1/0-1/0 Cable SEU Copper .....	17,832.71	2,025.24
26 05 19 16-0338 MLF 2/0-2/0-2/0 Cable SEU Copper .....	21,691.39	2,280.95
26 05 19 16-0339 MLF 3/0-3/0-3/0 Cable SEU Copper .....	26,382.64	2,537.20
26 05 19 16-0340 MLF 4/0-4/0-4/0 Cable SEU Copper .....	29,489.52	2,831.47
<b>26 05 19 16-0341 SER Cable Copper, 4 Conductor (26 05 19 16-0296)</b>		
26 05 19 16-0342 MLF 6-6-6-6 Cable SER Copper .....	9,354.63	1,301.47
26 05 19 16-0343 MLF 4-4-4-6 Cable SER Copper .....	10,275.12	1,409.14
26 05 19 16-0344 MLF 3-3-3-5 Cable SER Copper .....	12,882.13	1,590.24
26 05 19 16-0345 MLF 2-2-2-4 Cable SER Copper .....	14,830.59	1,733.67



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0346 MLF 1-1-1-3 Cable SER Copper.....	17,319.46	1,985.14
26 05 19 16-0347 MLF 1/0-1/0-1/0-2 Cable SER Copper.....	21,230.37	2,275.17
26 05 19 16-0348 MLF 2/0-2/0-2/0-1 Cable SER Copper.....	26,977.53	2,454.46
26 05 19 16-0349 MLF 3/0-3/0-3/0-1/0 Cable SER Copper.....	31,245.93	2,745.39
<b>26 05 19 16-0350 Control Tray Cable, Low Voltage</b> <small>(26 05 19 16-0011)</small>		
Note: Type "TC" multi-conductor (individually numbered conductors) control cables installed in conduit.		
26 05 19 16-0351 MLF 2 Conductor #18 AWG, Stranded, Type TC Control Cable.....	865.75	400.22
<i>For Work In Restricted Working Space, Add</i>	<i>200.11</i>	
26 05 19 16-0352 MLF 3 Conductor #18 AWG, Stranded, Type TC Control Cable.....	1,001.64	447.70
<i>For Work In Restricted Working Space, Add</i>	<i>223.85</i>	
26 05 19 16-0353 MLF 4 Conductor #18 AWG, Stranded, Type TC Control Cable.....	1,053.69	447.67
<i>For Work In Restricted Working Space, Add</i>	<i>223.85</i>	
26 05 19 16-0354 MLF 5 Conductor #18 AWG, Stranded, Type TC Control Cable.....	1,319.07	561.50
<i>For Work In Restricted Working Space, Add</i>	<i>280.75</i>	
26 05 19 16-0355 MLF 7 Conductor #18 AWG, Stranded, Type TC Control Cable.....	1,665.57	684.24
<i>For Work In Restricted Working Space, Add</i>	<i>342.12</i>	
26 05 19 16-0356 MLF 9 Conductor #18 AWG, Stranded, Type TC Control Cable.....	1,906.96	752.43
<i>For Work In Restricted Working Space, Add</i>	<i>376.22</i>	
26 05 19 16-0357 MLF 12 Conductor #18 AWG, Stranded, Type TC Control Cable.....	2,276.55	854.95
<i>For Work In Restricted Working Space, Add</i>	<i>427.48</i>	
26 05 19 16-0358 MLF 15 Conductor #18 AWG, Stranded, Type TC Control Cable.....	2,886.61	1,044.99
<i>For Work In Restricted Working Space, Add</i>	<i>522.50</i>	
26 05 19 16-0359 MLF 19 Conductor #18 AWG, Stranded, Type TC Control Cable.....	3,309.97	1,140.04
<i>For Work In Restricted Working Space, Add</i>	<i>570.02</i>	
26 05 19 16-0360 MLF 25 Conductor #18 AWG, Stranded, Type TC Control Cable.....	3,956.04	1,175.68
<i>For Work In Restricted Working Space, Add</i>	<i>587.84</i>	
26 05 19 16-0361 MLF 30 Conductor #18 AWG, Stranded, Type TC Control Cable.....	4,846.61	1,468.74
<i>For Work In Restricted Working Space, Add</i>	<i>734.37</i>	
26 05 19 16-0362 MLF 37 Conductor #18 AWG, Stranded, Type TC Control Cable.....	5,822.55	1,716.49
<i>For Work In Restricted Working Space, Add</i>	<i>858.25</i>	
26 05 19 16-0363 MLF 2 Conductor #16 AWG, Stranded, Type TC Control Cable.....	950.49	421.60
<i>For Work In Restricted Working Space, Add</i>	<i>210.63</i>	
26 05 19 16-0364 MLF 3 Conductor #16 AWG, Stranded, Type TC Control Cable.....	1,104.80	471.27
<i>For Work In Restricted Working Space, Add</i>	<i>235.63</i>	
26 05 19 16-0365 MLF 4 Conductor #16 AWG, Stranded, Type TC Control Cable.....	1,288.65	542.55
<i>For Work In Restricted Working Space, Add</i>	<i>271.27</i>	
26 05 19 16-0366 MLF 5 Conductor #16 AWG, Stranded, Type TC Control Cable.....	1,464.13	591.05
<i>For Work In Restricted Working Space, Add</i>	<i>295.53</i>	
26 05 19 16-0367 MLF 7 Conductor #16 AWG, Stranded, Type TC Control Cable.....	1,856.88	720.26
<i>For Work In Restricted Working Space, Add</i>	<i>360.13</i>	
26 05 19 16-0368 MLF 9 Conductor #16 AWG, Stranded, Type TC Control Cable.....	2,136.19	792.04
<i>For Work In Restricted Working Space, Add</i>	<i>396.02</i>	
26 05 19 16-0369 MLF 12 Conductor #16 AWG, Stranded, Type TC Control Cable.....	2,564.44	899.95
<i>For Work In Restricted Working Space, Add</i>	<i>449.98</i>	
26 05 19 16-0370 MLF 15 Conductor #16 AWG, Stranded, Type TC Control Cable.....	3,264.43	1,099.94
<i>For Work In Restricted Working Space, Add</i>	<i>549.97</i>	
26 05 19 16-0371 MLF 19 Conductor #16 AWG, Stranded, Type TC Control Cable.....	3,762.27	1,199.94
<i>For Work In Restricted Working Space, Add</i>	<i>599.97</i>	
26 05 19 16-0372 MLF 25 Conductor #16 AWG, Stranded, Type TC Control Cable.....	4,558.31	1,237.56
<i>For Work In Restricted Working Space, Add</i>	<i>618.78</i>	
26 05 19 16-0373 MLF 30 Conductor #16 AWG, Stranded, Type TC Control Cable.....	5,574.99	1,545.96
<i>For Work In Restricted Working Space, Add</i>	<i>772.98</i>	
26 05 19 16-0374 MLF 37 Conductor #16 AWG, Stranded, Type TC Control Cable.....	6,713.55	1,806.84
<i>For Work In Restricted Working Space, Add</i>	<i>903.42</i>	
26 05 19 16-0375 MLF 2 Conductor #14 AWG, Stranded, Type TC Control Cable.....	1,035.07	440.08
<i>For Work In Restricted Working Space, Add</i>	<i>220.04</i>	
26 05 19 16-0376 MLF 3 Conductor #14 AWG, Stranded, Type TC Control Cable.....	1,244.93	495.03
<i>For Work In Restricted Working Space, Add</i>	<i>247.51</i>	
26 05 19 16-0377 MLF 4 Conductor #14 AWG, Stranded, Type TC Control Cable.....	1,463.44	565.81
<i>For Work In Restricted Working Space, Add</i>	<i>282.90</i>	
26 05 19 16-0378 MLF 5 Conductor #14 AWG, Stranded, Type TC Control Cable.....	1,654.33	609.38
<i>For Work In Restricted Working Space, Add</i>	<i>304.69</i>	
26 05 19 16-0379 MLF 7 Conductor #14 AWG, Stranded, Type TC Control Cable.....	2,220.79	746.99
<i>For Work In Restricted Working Space, Add</i>	<i>373.49</i>	
26 05 19 16-0380 MLF 9 Conductor #14 AWG, Stranded, Type TC Control Cable.....	2,569.97	825.04
<i>For Work In Restricted Working Space, Add</i>	<i>412.60</i>	
26 05 19 16-0381 MLF 12 Conductor #14 AWG, Stranded, Type TC Control Cable.....	3,178.66	920.74
<i>For Work In Restricted Working Space, Add</i>	<i>460.37</i>	
26 05 19 16-0382 MLF 15 Conductor #14 AWG, Stranded, Type TC Control Cable.....	3,796.69	1,099.78
<i>For Work In Restricted Working Space, Add</i>	<i>549.97</i>	
26 05 19 16-0383 MLF 19 Conductor #14 AWG, Stranded, Type TC Control Cable.....	6,576.76	1,277.99
<i>For Work In Restricted Working Space, Add</i>	<i>638.83</i>	
26 05 19 16-0384 MLF 25 Conductor #14 AWG, Stranded, Type TC Control Cable.....	5,731.66	1,494.14
<i>For Work In Restricted Working Space, Add</i>	<i>747.24</i>	
26 05 19 16-0385 MLF 30 Conductor #14 AWG, Stranded, Type TC Control Cable.....	6,680.78	1,669.71
<i>For Work In Restricted Working Space, Add</i>	<i>834.86</i>	
26 05 19 16-0386 MLF 37 Conductor #14 AWG, Stranded, Type TC Control Cable.....	8,065.12	1,951.38
<i>For Work In Restricted Working Space, Add</i>	<i>975.69</i>	
26 05 19 16-0387 MLF 2 Conductor #12 AWG, Stranded, Type TC Control Cable.....	1,217.16	471.27
<i>For Work In Restricted Working Space, Add</i>	<i>235.63</i>	
26 05 19 16-0388 MLF 3 Conductor #12 AWG, Stranded, Type TC Control Cable.....	1,466.07	521.43
<i>For Work In Restricted Working Space, Add</i>	<i>260.63</i>	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 19 Low-Voltage Electrical Power Conductors and Cables**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0389 MLF 4 Conductor #12 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	1,792.43 299.99	599.97
26 05 19 16-0390 MLF 5 Conductor #12 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	2,040.11 319.29	638.58
26 05 19 16-0391 MLF 7 Conductor #12 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	2,711.93 380.67	761.35
26 05 19 16-0392 MLF 9 Conductor #12 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	3,356.92 449.98	899.95
26 05 19 16-0393 MLF 12 Conductor #12 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	4,105.07 507.65	1,015.29
26 05 19 16-0394 MLF 15 Conductor #12 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	4,898.32 582.40	1,164.79
26 05 19 16-0395 MLF 19 Conductor #12 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	5,807.92 660.11	1,320.23
26 05 19 16-0396 MLF 25 Conductor #12 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	7,480.27 771.50	1,542.99
26 05 19 16-0397 MLF 30 Conductor #12 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	8,657.59 901.68	1,803.37
26 05 19 16-0398 MLF 37 Conductor #12 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	10,491.59 1,053.90	2,107.80
26 05 19 16-0399 MLF 2 Conductor #10 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	1,469.67 247.51	495.03
26 05 19 16-0400 MLF 3 Conductor #10 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	1,856.39 271.27	542.88
26 05 19 16-0401 MLF 4 Conductor #10 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	2,273.24 309.39	618.78
26 05 19 16-0402 MLF 5 Conductor #10 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	2,656.39 335.63	671.25
26 05 19 16-0403 MLF 7 Conductor #10 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	3,616.06 421.27	842.53
26 05 19 16-0404 MLF 9 Conductor #10 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	4,303.97 471.51	943.01
26 05 19 16-0405 MLF 12 Conductor #10 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	5,014.97 549.97	1,099.94
26 05 19 16-0406 MLF 15 Conductor #10 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	5,940.53 628.93	1,257.86
26 05 19 16-0407 MLF 19 Conductor #10 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	7,065.91 712.83	1,425.67
26 05 19 16-0408 MLF 25 Conductor #10 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	9,158.29 833.12	1,666.25
26 05 19 16-0409 MLF 30 Conductor #10 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	10,593.27 973.71	1,947.42
26 05 19 16-0410 MLF 37 Conductor #10 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	12,866.50 1,138.31	2,276.61
<b>26 05 19 16-0411 ACSR (Aluminum Conductor Steel Reinforced)</b> <small>(26 05 19 16-0011)</small> Note: Concentric lay stranded Class A galvanizing installed on poles, aerially.		
<b>26 05 19 16-0412 ACSR Cable</b> <small>(26 05 19 16-0411)</small>		
26 05 19 16-0413 MLF #4 AWG, ACSR Cable Swan 6/1, Aluminum Cable, Installed On Poles (Aerial).....	1,809.27	431.96
26 05 19 16-0414 MLF #4 AWG, ACSR Cable Swanate 7/1, Aluminum Cable, Installed On Poles (Aerial).....	1,985.88	448.53
26 05 19 16-0415 MLF #2 AWG, ACSR Cable Sparrow 6/1, Aluminum Cable, Installed On Poles (Aerial).....	2,261.31	465.79
26 05 19 16-0416 MLF #2 AWG, ACSR Cable Sparate 7/1, Aluminum Cable, Installed On Poles (Aerial).....	2,437.60	482.66
26 05 19 16-0417 MLF 1/0 AWG, ACSR Cable Raven 6/1, Aluminum Cable, Installed On Poles (Aerial).....	2,953.43	499.03
26 05 19 16-0418 MLF 2/0 AWG, ACSR Cable Quail 6/1, Aluminum Cable, Installed On Poles (Aerial).....	3,538.15	565.70
26 05 19 16-0419 MLF 3/0 AWG, ACSR Cable Pigeon 6/1, Aluminum Cable, Installed On Poles (Aerial).....	4,236.75	630.87
26 05 19 16-0420 MLF 4/0 AWG, ACSR Cable Penguin 6/1, Aluminum Cable, Installed On Poles (Aerial).....	5,049.34	696.94
26 05 19 16-0421 MLF 336 AWG ACSR Cable Merlin 18/1, Aluminum Cable, Installed On Poles (Aerial).....	5,426.16	895.65
26 05 19 16-0422 MLF 477 AWG, ACSR Cable Hawk 26/1, Aluminum Cable, Installed On Poles (Aerial).....	6,119.21	1,027.40
<b>26 05 19 16-0423 All Aluminum Conductors</b> <small>(26 05 19 16-0411)</small>		
26 05 19 16-0424 MLF 795.0 ACSR Conductor Aluminum.....	37,719.81	8,590.19
<b>26 05 19 16-0425 Single Conductor Installed On Poles</b> <small>(26 05 19 16-0011)</small>		
<b>26 05 19 16-0426 Bare Stranded Conductor</b> <small>(26 05 19 16-0425)</small>		
26 05 19 16-0427 MLF #12 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles.....	1,113.55	365.99
26 05 19 16-0428 MLF #10 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles.....	1,305.48	398.92
26 05 19 16-0429 MLF #8 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles.....	1,498.49	432.26
26 05 19 16-0430 MLF #6 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles.....	1,837.47	465.79
26 05 19 16-0431 MLF #4 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles.....	2,235.92	499.43
26 05 19 16-0432 MLF #2 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles.....	3,205.35	599.03
26 05 19 16-0433 MLF #1 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles.....	3,684.05	665.40
26 05 19 16-0434 MLF 1/0 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles.....	4,204.86	730.58
26 05 19 16-0435 MLF 2/0 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles.....	5,642.15	866.51
26 05 19 16-0436 MLF 3/0 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles.....	6,848.15	996.26
26 05 19 16-0437 MLF 4/0 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles.....	7,348.75	1,129.10
26 05 19 16-0438 MLF 250 MCM, Single Conductor, Bare Stranded Copper Cable, Installed On Poles.....	9,304.65	1,330.71
26 05 19 16-0439 MLF 300 MCM, Single Conductor, Bare Stranded Copper Cable, Installed On Poles.....	9,517.00	1,400.77
26 05 19 16-0440 MLF 350 MCM, Single Conductor, Bare Stranded Copper Cable, Installed On Poles.....	11,889.41	1,466.95



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0441 MLF 400 MCM, Single Conductor, Bare Stranded Copper Cable, Installed On Poles.....	13,141.40	1,527.12
26 05 19 16-0442 MLF 500 MCM, Single Conductor, Bare Stranded Copper Cable, Installed On Poles.....	15,325.16	1,592.30
<b>26 05 19 16-0443 Insulated Stranded Conductor</b> <small>(26 05 19 16-0425)</small>		
26 05 19 16-0444 MLF #12 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles.....	1,204.73	365.99
26 05 19 16-0445 MLF #10 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles.....	1,423.13	398.92
26 05 19 16-0446 MLF #8 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles.....	1,730.74	432.26
26 05 19 16-0447 MLF #6 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles.....	1,881.43	465.79
26 05 19 16-0448 MLF #4 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles.....	2,302.99	499.43
26 05 19 16-0449 MLF #2 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles.....	3,108.49	599.03
26 05 19 16-0450 MLF #1 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles.....	3,674.38	665.40
26 05 19 16-0451 MLF 1/0 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles.....	4,339.73	730.58
26 05 19 16-0452 MLF 2/0 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles.....	5,227.99	866.51
26 05 19 16-0453 MLF 3/0 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles.....	6,270.86	996.26
26 05 19 16-0454 MLF 4/0 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles.....	7,393.79	1,129.10
26 05 19 16-0455 MLF 250 MCM, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles.....	9,029.10	1,330.71
26 05 19 16-0456 MLF 300 MCM, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles.....	10,246.38	1,400.77
26 05 19 16-0457 MLF 350 MCM, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles.....	11,238.78	1,466.95
26 05 19 16-0458 MLF 400 MCM, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles.....	12,601.94	1,527.12
26 05 19 16-0459 MLF 500 MCM, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles.....	14,177.74	1,592.30
<b>26 05 19 16-0460 Bare Solid Conductor</b> <small>(26 05 19 16-0425)</small>		
26 05 19 16-0461 MLF #12 AWG, Single Conductor, Bare Solid Copper Cable, Installed On Poles.....	1,113.55	365.99
26 05 19 16-0462 MLF #8 AWG, Single Conductor, Bare Solid Copper Cable, Installed On Poles.....	1,498.49	432.26
26 05 19 16-0463 MLF #6 AWG, Single Conductor, Bare Solid Copper Cable, Installed On Poles.....	1,837.47	465.79
26 05 19 16-0464 MLF #4 AWG, Single Conductor, Bare Solid Copper Cable, Installed On Poles.....	2,208.21	499.43
<b>26 05 19 16-0465 Multi-Conductor Cords, Cables And Associated Equipment</b> <small>(26 05 19 16-0011)</small>		
<b>26 05 19 16-0466 Multi-Conductor Cords</b> <small>(26 05 19 16-0465)</small>		
Note: Includes installation in cable tray, surface mounting or installation between junction boxes. Excludes strain relief devices, plugs and connector bodies.		
<b>26 05 19 16-0467 Multi-Conductor Type SOOW And SJOOW Cord</b> <small>(26 05 19 16-0466)</small>		
Note: Includes ethylene propylene diene monomer (EPDM) rubber insulation.		
<b>26 05 19 16-0468 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord</b> <small>(26 05 19 16-0467)</small>		
<b>26 05 19 16-0469 #18, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord</b> <small>(26 05 19 16-0468)</small>		
26 05 19 16-0470 LF 2 Conductors, #18 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	0.90	0.36
26 05 19 16-0471 LF 3 Conductors, #18 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	0.94	0.36
26 05 19 16-0472 LF 4 Conductors, #18 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	1.05	0.36
<b>26 05 19 16-0473 #16, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord</b> <small>(26 05 19 16-0468)</small>		
26 05 19 16-0474 LF 2 Conductors, #16 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	1.05	0.36
26 05 19 16-0475 LF 3 Conductors, #16 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	1.12	0.36
26 05 19 16-0476 LF 4 Conductors, #16 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	1.22	0.36
<b>26 05 19 16-0477 #14, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord</b> <small>(26 05 19 16-0468)</small>		
26 05 19 16-0478 LF 2 Conductors, #14 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	1.18	0.36
26 05 19 16-0479 LF 3 Conductors, #14 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	1.29	0.36
26 05 19 16-0480 LF 4 Conductors, #14 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	1.50	0.36
<b>26 05 19 16-0481 #12, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord</b> <small>(26 05 19 16-0468)</small>		
26 05 19 16-0482 LF 2 Conductors, #12 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	1.36	0.36
26 05 19 16-0483 LF 3 Conductors, #12 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	1.49	0.36
26 05 19 16-0484 LF 4 Conductors, #12 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	1.68	0.36
<b>26 05 19 16-0485 #10, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord</b> <small>(26 05 19 16-0468)</small>		
26 05 19 16-0486 LF 2 Conductors, #10 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	1.77	0.45
26 05 19 16-0487 LF 3 Conductors, #10 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	1.86	0.45
26 05 19 16-0488 LF 4 Conductors, #10 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	2.00	0.45
<b>26 05 19 16-0489 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord</b> <small>(26 05 19 16-0467)</small>		
<b>26 05 19 16-0490 #18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord</b> <small>(26 05 19 16-0489)</small>		
26 05 19 16-0491 LF 2 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	0.94	0.36
26 05 19 16-0492 LF 3 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	1.02	0.36
26 05 19 16-0493 LF 4 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	1.12	0.36
26 05 19 16-0494 LF 5 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	1.95	0.49
26 05 19 16-0495 LF 6 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	2.13	0.50

**26 Electrical****26 05 Common Work Results for Electrical****26 05 19 Low-Voltage Electrical Power Conductors and Cables**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0496 LF 7 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	2.27	0.51
26 05 19 16-0497 LF 8 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	2.49	0.53
26 05 19 16-0498 LF 10 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	2.86	0.55
26 05 19 16-0499 LF 12 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	3.26	0.57
26 05 19 16-0500 LF 14 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	4.31	0.58
26 05 19 16-0501 LF 16 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	4.38	0.59
26 05 19 16-0502 LF 18 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	4.50	0.61
26 05 19 16-0503 LF 20 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	5.02	0.62
26 05 19 16-0504 LF 24 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	6.32	0.63
26 05 19 16-0505 LF 30 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	6.59	0.68
<b>26 05 19 16-0506 #16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (26 05 19 16-0489)</b>		
26 05 19 16-0507 LF 2 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	1.12	0.36
26 05 19 16-0508 LF 3 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	1.19	0.36
26 05 19 16-0509 LF 4 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	1.32	0.36
26 05 19 16-0510 LF 5 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	2.04	0.49
26 05 19 16-0511 LF 6 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	2.25	0.50
26 05 19 16-0512 LF 7 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	2.46	0.51
26 05 19 16-0513 LF 8 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	2.72	0.53
26 05 19 16-0514 LF 9 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	2.83	0.54
26 05 19 16-0515 LF 10 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	3.14	0.55
26 05 19 16-0516 LF 12 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	3.68	0.57
26 05 19 16-0517 LF 14 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	3.95	0.58
26 05 19 16-0518 LF 16 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	4.46	0.59
26 05 19 16-0519 LF 18 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	5.14	0.61
26 05 19 16-0520 LF 20 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	5.78	0.62
26 05 19 16-0521 LF 24 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	6.98	0.63
26 05 19 16-0522 LF 26 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	7.67	0.65
26 05 19 16-0523 LF 30 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	8.94	0.68
<b>26 05 19 16-0524 #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (26 05 19 16-0489)</b>		
26 05 19 16-0525 LF 2 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	1.31	0.36
26 05 19 16-0526 LF 3 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	1.39	0.36
26 05 19 16-0527 LF 4 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	1.58	0.36
26 05 19 16-0528 LF 5 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	2.65	0.49
26 05 19 16-0529 LF 6 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	3.17	0.50
26 05 19 16-0530 LF 7 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	3.36	0.51
26 05 19 16-0531 LF 8 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	3.78	0.53
26 05 19 16-0532 LF 9 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	4.06	0.54
26 05 19 16-0533 LF 10 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	4.53	0.55
26 05 19 16-0534 LF 12 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	4.99	0.57
26 05 19 16-0535 LF 14 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	5.51	0.58
26 05 19 16-0536 LF 16 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	6.62	0.59
26 05 19 16-0537 LF 20 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	7.44	0.62
26 05 19 16-0538 LF 24 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	8.77	0.63
26 05 19 16-0539 LF 30 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	10.37	0.68
<b>26 05 19 16-0540 #12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (26 05 19 16-0489)</b>		
26 05 19 16-0541 LF 2 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	1.50	0.36
26 05 19 16-0542 LF 3 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	1.65	0.36
26 05 19 16-0543 LF 4 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	1.80	0.36
26 05 19 16-0544 LF 5 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	3.03	0.49
26 05 19 16-0545 LF 6 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	3.52	0.50
26 05 19 16-0546 LF 7 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	4.02	0.51



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0547 LF 8 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	4.56	0.53
26 05 19 16-0548 LF 9 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	4.93	0.54
26 05 19 16-0549 LF 10 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	5.59	0.55
26 05 19 16-0550 LF 12 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	6.37	0.57
26 05 19 16-0551 LF 14 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	7.09	0.58
26 05 19 16-0552 LF 16 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	7.81	0.59
26 05 19 16-0553 LF 18 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	8.15	0.61
26 05 19 16-0554 LF 20 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	9.40	0.62
26 05 19 16-0555 LF 24 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	10.68	0.63
26 05 19 16-0556 LF 26 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	11.96	0.65
26 05 19 16-0557 LF 28 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	12.36	0.66
26 05 19 16-0558 LF 30 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	12.82	0.68
<b>26 05 19 16-0559 #10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord</b> <small>(26 05 19 16-0489)</small>		
26 05 19 16-0560 LF 2 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	1.73	0.45
26 05 19 16-0561 LF 3 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	1.86	0.45
26 05 19 16-0562 LF 4 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	1.99	0.45
26 05 19 16-0563 LF 5 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	2.63	0.49
26 05 19 16-0564 LF 6 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	4.30	0.50
26 05 19 16-0565 LF 7 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	5.07	0.51
26 05 19 16-0566 LF 10 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	6.52	0.55
26 05 19 16-0567 LF 12 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	7.48	0.57
26 05 19 16-0568 LF 16 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	9.54	0.59
26 05 19 16-0569 LF 20 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	13.89	0.62
<b>26 05 19 16-0570 #8, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord</b> <small>(26 05 19 16-0489)</small>		
26 05 19 16-0571 LF 3 Conductors, #8 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	3.46	0.54
26 05 19 16-0572 LF 4 Conductors, #8 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	3.77	0.63
26 05 19 16-0573 LF 5 Conductors, #8 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	5.15	0.63
<b>26 05 19 16-0574 #6, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord</b> <small>(26 05 19 16-0489)</small>		
26 05 19 16-0575 LF 3 Conductors, #6 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	4.98	0.63
26 05 19 16-0576 LF 4 Conductors, #6 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	6.00	0.72
26 05 19 16-0577 LF 5 Conductors, #6 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	7.21	0.90
<b>26 05 19 16-0578 #4, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord</b> <small>(26 05 19 16-0489)</small>		
26 05 19 16-0579 LF 3 Conductors, #4 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	7.94	0.90
26 05 19 16-0580 LF 4 Conductors, #4 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	8.72	0.99
26 05 19 16-0581 LF 5 Conductors, #4 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	10.52	1.08
<b>26 05 19 16-0582 #2, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord</b> <small>(26 05 19 16-0489)</small>		
26 05 19 16-0583 LF 3 Conductors, #2 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	11.93	1.81
26 05 19 16-0584 LF 4 Conductors, #2 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	15.18	2.26
26 05 19 16-0585 LF 5 Conductors, #2 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	18.38	2.98
<b>26 05 19 16-0586 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord</b> <small>(26 05 19 16-0467)</small>		
<b>26 05 19 16-0587 #18, 300 Volt, Multi-Conductor Type SJOOW Cord</b> <small>(26 05 19 16-0586)</small>		
26 05 19 16-0588 LF 2 Conductors, #18 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III).....	1.22	0.36
26 05 19 16-0589 LF 3 Conductors, #18 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III).....	1.34	0.36
26 05 19 16-0590 LF 4 Conductors, #18 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III).....	1.59	0.36
<b>26 05 19 16-0591 #16, 300 Volt, Multi-Conductor Type SJOOW Cord</b> <small>(26 05 19 16-0586)</small>		
26 05 19 16-0592 LF 2 Conductors, #16 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III).....	1.30	0.36

**26 Electrical****26 05 Common Work Results for Electrical****26 05 19 Low-Voltage Electrical Power Conductors and Cables**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0593	LF	3 Conductors, #16 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III)	1.49	0.36
26 05 19 16-0594	LF	4 Conductors, #16 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III)	1.58	0.36
<b>26 05 19 16-0595</b>		<b>#14, 300 Volt, Multi-Conductor Type SJOOW Cord</b> <small>(26 05 19 16-0596)</small>		
26 05 19 16-0596	LF	2 Conductors, #14 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III)	1.78	0.36
26 05 19 16-0597	LF	3 Conductors, #14 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III)	2.58	0.36
26 05 19 16-0598	LF	4 Conductors, #14 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III)	3.30	0.45
<b>26 05 19 16-0599</b>		<b>600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord</b> <small>(26 05 19 16-0467)</small>		
<b>26 05 19 16-0600</b>		<b>#18 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord</b> <small>(26 05 19 16-0599)</small>		
26 05 19 16-0601	LF	2 Conductors, #18 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	1.72	0.36
26 05 19 16-0602	LF	3 Conductors, #18 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	2.06	0.36
26 05 19 16-0603	LF	4 Conductors, #18 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	2.41	0.36
<b>26 05 19 16-0604</b>		<b>#16 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord</b> <small>(26 05 19 16-0599)</small>		
26 05 19 16-0605	LF	2/c #16, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	1.84	0.36
26 05 19 16-0606	LF	3/c #16, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	2.18	0.36
26 05 19 16-0607	LF	4/c #16, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	2.72	0.36
26 05 19 16-0608	LF	5/c #16, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	2.95	0.45
<b>26 05 19 16-0609</b>		<b>#14 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord</b> <small>(26 05 19 16-0599)</small>		
26 05 19 16-0610	LF	3 Conductors, #14 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	2.26	0.36
26 05 19 16-0611	LF	4 Conductors, #14 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	2.70	0.36
26 05 19 16-0612	LF	5 Conductors, #14 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	3.02	0.45
<b>26 05 19 16-0613</b>		<b>#12 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord</b> <small>(26 05 19 16-0599)</small>		
26 05 19 16-0614	LF	3 Conductors, #12 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	2.68	0.36
26 05 19 16-0615	LF	4 Conductors, #12 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	3.06	0.36
26 05 19 16-0616	LF	5 Conductors, #12 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	3.42	0.45
<b>26 05 19 16-0617</b>		<b>#10, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord</b> <small>(26 05 19 16-0599)</small>		
26 05 19 16-0618	LF	3/c #10, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	3.07	0.45
26 05 19 16-0619	LF	4/c #10, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	3.42	0.45
26 05 19 16-0620	LF	5/c #10, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	3.76	0.45
<b>26 05 19 16-0621</b>		<b>Multi-Conductor Type SEOW Cord</b> <small>(26 05 19 16-0466)</small>		
		Note: Includes thermoplastic elastomeric (TPE) insulation.		
<b>26 05 19 16-0622</b>		<b>600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord</b> <small>(26 05 19 16-0621)</small>		
<b>26 05 19 16-0623</b>		<b>#16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord</b> <small>(26 05 19 16-0622)</small>		
26 05 19 16-0624	LF	3 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	1.31	0.36
26 05 19 16-0625	LF	4 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	1.44	0.36
26 05 19 16-0626	LF	5 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	2.19	0.45
<b>26 05 19 16-0627</b>		<b>#14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord</b> <small>(26 05 19 16-0622)</small>		
26 05 19 16-0628	LF	3/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	1.72	0.36
26 05 19 16-0629	LF	4/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	1.97	0.36
26 05 19 16-0630	LF	5/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	2.82	0.45
<b>26 05 19 16-0631</b>		<b>#12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord</b> <small>(26 05 19 16-0622)</small>		





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0632 LF 3 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord.....	2.13	0.36
26 05 19 16-0633 LF 4 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord.....	2.46	0.36
26 05 19 16-0634 LF 5 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord.....	3.10	0.45
<b>26 05 19 16-0635 #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord</b> <small>(26 05 19 16-0622)</small>		
26 05 19 16-0636 LF 3/c #10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord.....	2.70	0.45
26 05 19 16-0637 LF 4/c #10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord.....	3.09	0.45
26 05 19 16-0638 LF 5/c #10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord.....	3.32	0.45
<b>26 05 19 16-0639 Multi-Conductor Type W Cord</b> <small>(26 05 19 16-0466)</small> Note: Includes ethylene propylene diene monomer (EPDM) rubber insulation.		
<b>26 05 19 16-0640 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord</b> <small>(26 05 19 16-0639)</small>		
<b>26 05 19 16-0641 #8 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord</b> <small>(26 05 19 16-0640)</small>		
26 05 19 16-0642 LF 3/c #8, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron).....	3.80	0.54
26 05 19 16-0643 LF 4/c #8, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron).....	4.08	0.63
26 05 19 16-0644 LF 5/c #8, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron).....	4.83	0.63
<b>26 05 19 16-0645 #6 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord</b> <small>(26 05 19 16-0640)</small>		
26 05 19 16-0646 LF 3 Conductors, #6 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron).....	4.08	0.63
26 05 19 16-0647 LF 4 Conductors, #6 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron).....	4.86	0.72
26 05 19 16-0648 LF 5/c #6, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron).....	6.06	0.90
<b>26 05 19 16-0649 #4 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord</b> <small>(26 05 19 16-0640)</small>		
26 05 19 16-0650 LF 3 Conductors, #4 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron).....	5.55	0.63
26 05 19 16-0651 LF 4 Conductors, #4 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron).....	6.55	0.72
26 05 19 16-0652 LF 5 Conductors, #4 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron).....	8.42	0.90
<b>26 05 19 16-0653 Cord Grips, Cable Reels, Extension Cords, And Accessories</b> <small>(26 05 19 16-0465)</small>		
<b>26 05 19 16-0654 Cord Grips</b> <small>(26 05 19 16-0653)</small>		
26 05 19 16-0655 EA Cord Grip With Watertight Connector For 1/2" NPT Zinc Plated Steel.....	58.38	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.42	
26 05 19 16-0656 EA Cord Grip With Watertight Connector For 3/4" NPT Zinc Plated Steel.....	58.79	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.42	
<b>26 05 19 16-0657 Cable Reels</b> <small>(26 05 19 16-0653)</small> Note: Includes handling, mounting, electrical connections and installing cord. See CSI section 26 05 19 16-0465 for cords.		
26 05 19 16-0658 EA 30', 16-3, SJO, Extension Cord Reel (Cox Reels PC10-3016-A).....	563.42	45.16
26 05 19 16-0659 EA 50', 10-4, SEOW, Extension Cord Reel (Reelcraft L 7050 104 X 1).....	1,579.88	45.16
26 05 19 16-0660 EA 50', 16-3, SOOW, Extension Cord Reel (KH Industries RTFD3L-WW-B16K).....	1,178.08	45.16
<b>26 05 19 16-0661 Extension Cords For Cable Reel</b> <small>(26 05 19 16-0653)</small>		
26 05 19 16-0662 EA 100 LF, 120 Volt, 12 Gauge, 3 Wire, Extension Cord.....	196.21	
26 05 19 16-0663 EA 100 LF, 240 Volt, 10 Gauge, 3 Wire, Extension Cord.....	283.07	
<b>26 05 19 16-0664 Plugs And Connector Bodies</b> <small>(26 05 19 16-0653)</small> Note: Up to 277 volt		
<b>26 05 19 16-0665 NEMA Twist-Lock Plugs</b> <small>(26 05 19 16-0664)</small>		
26 05 19 16-0666 EA 15 Amperes, 2 Pole 2 Wire, NEMA Twist-Lock Plug (Hubbell HBL7545C).....	62.44	
26 05 19 16-0667 EA 15 Amperes, 2 Pole 3 Wire, NEMA Twist-Lock Plug (Hubbell HBL4770CBK).....	63.77	
26 05 19 16-0668 EA 20 Amperes, 2 Pole 2 Wire, NEMA Twist-Lock Plug (Hubbell HBL7102C).....	58.18	
26 05 19 16-0669 EA 20 Amperes, 2 Pole 3 Wire, NEMA Twist-Lock Plug (Hubbell HBL2331).....	62.28	
26 05 19 16-0670 EA 20 Amperes, 3 Pole 4 Wire, NEMA Twist-Lock Plug (Hubbell HBL2411).....	81.50	
26 05 19 16-0671 EA 20 Amperes, 4 Pole 4 Wire, NEMA Twist-Lock Plug (Hubbell HBL2441).....	86.70	
26 05 19 16-0672 EA 20 Amperes, 4 Pole 5 Wire, NEMA Twist-Lock Plug (Hubbell HBL2511BK).....	91.80	
26 05 19 16-0673 EA 30 Amperes, 2 Pole 3 Wire, NEMA Twist-Lock Plug (Hubbell HBL2611BK).....	82.27	
26 05 19 16-0674 EA 30 Amperes, 3 Pole 4 Wire, NEMA Twist-Lock Plug (Hubbell HBL2711BK).....	94.79	
26 05 19 16-0675 EA 30 Amperes, 4 Pole 4 Wire, NEMA Twist-Lock Plug (Hubbell HBL2761).....	97.23	
26 05 19 16-0676 EA 30 Amperes, 4 Pole 5 Wire, NEMA Twist-Lock Plug (Hubbell HBL2811BK).....	100.33	
<b>26 05 19 16-0677 NEMA Twist-Lock Connector Bodies</b> <small>(26 05 19 16-0664)</small>		
26 05 19 16-0678 EA 15 Amperes, 2 Pole 2 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL7506C).....	66.21	
26 05 19 16-0679 EA 15 Amperes, 2 Pole 3 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL4779C).....	70.92	
26 05 19 16-0680 EA 20 Amperes, 2 Pole 2 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL7101C).....	61.00	
26 05 19 16-0681 EA 20 Amperes, 2 Pole 3 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2323BK).....	82.27	
26 05 19 16-0682 EA 20 Amperes, 3 Pole 4 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2413BK).....	96.01	

**26 Electrical**  
**26 05 Common Work Results for Electrical**  
**26 05 19 Low-Voltage Electrical Power Conductors and Cables**



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0683 EA 20 Amperes, 4 Pole 4 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2443).....	102.65	
26 05 19 16-0684 EA 20 Amperes, 4 Pole 5 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2513BK).....	125.03	
26 05 19 16-0685 EA 30 Amperes, 2 Pole 3 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2623BK).....	119.38	
26 05 19 16-0686 EA 30 Amperes, 3 Pole 4 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2713BK).....	147.41	
26 05 19 16-0687 EA 30 Amperes, 4 Pole 4 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2753).....	154.83	
26 05 19 16-0688 EA 30 Amperes, 4 Pole 5 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2813BK).....	146.75	
<b>26 05 19 16-0689 Watertight Pin And Sleeve Plug <small>(26 05 19 16-0664)</small></b>		
26 05 19 16-0690 EA 20 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Plug (Hubbell 320P4W).....	257.94	27.10
26 05 19 16-0691 EA 20 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 320P6W).....	260.89	27.10
26 05 19 16-0692 EA 20 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 320P7W).....	283.83	27.10
26 05 19 16-0693 EA 20 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Plug (Hubbell 420P12W).....	282.35	29.81
26 05 19 16-0694 EA 20 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 420P9W).....	277.90	29.81
26 05 19 16-0695 EA 20 Amperes, Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 420P7W).....	279.22	29.81
26 05 19 16-0696 EA 30 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Plug (Hubbell 330P4W).....	399.35	33.33
26 05 19 16-0697 EA 30 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 330P6W).....	388.27	33.33
26 05 19 16-0698 EA 30 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 330P7W).....	435.88	33.33
26 05 19 16-0699 EA 30 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Plug (Hubbell 430P12W).....	425.43	36.58
26 05 19 16-0700 EA 30 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 430P9W).....	406.18	36.58
26 05 19 16-0701 EA 30 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 430P7W).....	419.43	36.58
26 05 19 16-0702 EA 60 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Plug (Hubbell 360P4W).....	544.03	43.36
26 05 19 16-0703 EA 60 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 360P6W).....	554.58	43.36
26 05 19 16-0704 EA 60 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 360P7W).....	529.55	43.36
26 05 19 16-0705 EA 60 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Plug (Hubbell 460P12W).....	603.92	48.23
26 05 19 16-0706 EA 60 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 460P9W).....	587.49	48.23
26 05 19 16-0707 EA 60 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 460P7W).....	594.60	48.23
26 05 19 16-0708 EA 100 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 3100P6W).....	750.49	54.19
26 05 19 16-0709 EA 100 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 3100P7W).....	791.26	54.19
26 05 19 16-0710 EA 100 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Plug (Hubbell 4100P12W).....	766.45	59.62
26 05 19 16-0711 EA 100 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 4100P9W).....	752.53	59.62
26 05 19 16-0712 EA 100 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 4100P7W).....	760.05	59.62
<b>26 05 19 16-0713 Watertight Pin And Sleeve Connector <small>(26 05 19 16-0664)</small></b>		
26 05 19 16-0714 EA 20 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Connector (Hubbell 320C4W).....	274.93	27.10
26 05 19 16-0715 EA 20 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 320C6W).....	276.98	27.10
26 05 19 16-0716 EA 20 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 320C7W).....	329.82	27.10
26 05 19 16-0717 EA 20 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Connector (Hubbell 420C12W).....	325.17	29.81
26 05 19 16-0718 EA 20 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 420C9W).....	319.81	29.81
26 05 19 16-0719 EA 20 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 420C7W).....	324.66	29.81
26 05 19 16-0720 EA 30 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Connector (Hubbell 330C4W).....	409.51	33.33
26 05 19 16-0721 EA 30 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 330C6W).....	409.39	33.33
26 05 19 16-0722 EA 30 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 330C7W).....	427.62	33.33
26 05 19 16-0723 EA 30 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Connector (Hubbell 430C12W).....	420.49	36.58
26 05 19 16-0724 EA 30 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 430C9W).....	424.24	36.58
26 05 19 16-0725 EA 30 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 430C7W).....	420.28	36.58
26 05 19 16-0726 EA 60 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Connector (Hubbell 360C4W).....	648.17	43.36
26 05 19 16-0727 EA 60 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 360C6W).....	625.86	43.36
26 05 19 16-0728 EA 60 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 360C7W).....	612.56	43.36
26 05 19 16-0729 EA 60 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Connector (Hubbell 460C12W).....	665.91	48.23
26 05 19 16-0730 EA 60 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 460C9W).....	685.31	48.23
26 05 19 16-0731 EA 60 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 460C7W).....	686.73	48.23
26 05 19 16-0732 EA 100 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 3100C6W).....	864.73	54.19
26 05 19 16-0733 EA 100 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 3100C7W).....	890.33	54.19
26 05 19 16-0734 EA 100 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Connector (Hubbell 4100C12W).....	961.29	59.62
26 05 19 16-0735 EA 100 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 4100C9W).....	926.13	59.62
26 05 19 16-0736 EA 100 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 4100C7W).....	938.12	59.62
<b>26 05 19 16-0737 Accessories <small>(26 05 19 16-0653)</small></b>		
26 05 19 16-0738 EA 1/2" Straight Steel Cord Connector.....	56.06	9.04
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.42	
26 05 19 16-0739 EA 1/2" Straight Nylon Cord Connector.....	32.55	6.77
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.07	
26 05 19 16-0740 EA 1/2" 90 Degree Steel Cord Connector.....	63.42	11.29
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.77	
26 05 19 16-0741 EA 1/2" 90 Degree Nylon Cord Connector.....	38.48	9.04
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.42	
26 05 19 16-0742 EA 1/2" Straight Steel Cord Connector With Strain Relief Mesh.....	62.48	11.29
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.77	
26 05 19 16-0743 EA 1/2" 90 Degree Steel Cord Connector With Strain Relief Mesh.....	112.87	13.55
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.13	
26 05 19 16-0744 EA 1/2" Straight Nylon Cord Connector With Strain Relief Mesh.....	37.75	9.04
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.42	
26 05 19 16-0745 EA 1/2" 90 Degree Nylon Cord Connector With Strain Relief Mesh.....	66.89	11.29
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.78	
26 05 19 16-0746 EA 3/4" Straight Steel Cord Connector.....	58.74	9.04
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.42	
26 05 19 16-0747 EA 3/4" Straight Nylon Cord Connector.....	33.89	6.77
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.07	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0748 EA 3/4" 90 Degree Steel Cord Connector ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	71.78 6.77	11.29
26 05 19 16-0749 EA 3/4" 90 Degree Nylon Cord Connector ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	42.66 5.42	9.04
26 05 19 16-0750 EA 3/4" Straight Steel Cord Connector With Strain Relief Mesh ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	69.80 8.13	13.55
26 05 19 16-0751 EA 3/4" 90 Degree Steel Cord Connector With Strain Relief Mesh ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	83.27 9.48	15.81
26 05 19 16-0752 EA 3/4" Straight Nylon Cord Connector With Strain Relief Mesh ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	45.09 6.78	11.29
26 05 19 16-0753 EA 3/4" 90 Degree Nylon Cord Connector With Strain Relief Mesh ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	54.53 8.13	13.55
26 05 19 16-0754 EA 1" Straight Steel Cord Connector ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	75.89 5.42	9.04
26 05 19 16-0755 EA 1" Straight Nylon Cord Connector ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	42.47 4.07	6.77
26 05 19 16-0756 EA 1" 90 Degree Steel Cord Connector ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	83.11 6.77	11.29
26 05 19 16-0757 EA 1" 90 Degree Nylon Cord Connector ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	48.33 5.42	9.04
26 05 19 16-0758 EA 1" Straight Steel Cord Connector With Strain Relief Mesh ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	87.82 8.13	13.55
26 05 19 16-0759 EA 1" 90 Degree Steel Cord Connector With Strain Relief Mesh ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	95.17 9.48	15.81
26 05 19 16-0760 EA 1" Straight Nylon Cord Connector With Strain Relief Mesh ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	54.24 6.78	11.29
26 05 19 16-0761 EA 1" 90 Degree Nylon Cord Connector With Strain Relief Mesh ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	62.26 8.13	13.55

**26 05 23 Control-Voltage Electrical Power Cables** (26 05)

26 05 23 00-0001 Cable For HVAC System Controls (26 05 23)  
 26 05 23 00-0002 Low Voltage Thermostat Cable To 300 Volt (26 05 23 00-0001)  
 Note: For surface or conduit installation.

26 05 23 00-0003 MLF #20/2 Conductor, Low Volt Thermostat Cable .....	394.03	105.19
26 05 23 00-0004 MLF #20/3 Conductor, Low Volt Thermostat Cable .....	458.69	110.80
26 05 23 00-0005 MLF #20/4 Conductor, Low Volt Thermostat Cable .....	499.99	117.16
26 05 23 00-0006 MLF #20/5 Conductor, Low Volt Thermostat Cable .....	617.71	122.11
26 05 23 00-0007 MLF #20/6 Conductor, Low Volt Thermostat Cable .....	649.39	127.89
26 05 23 00-0008 MLF #20/7 Conductor, Low Volt Thermostat Cable .....	720.24	133.20
26 05 23 00-0009 MLF #20/8 Conductor, Low Volt Thermostat Cable .....	780.89	138.52
26 05 23 00-0010 MLF #20/9 Conductor, Low Volt Thermostat Cable .....	853.91	144.05
26 05 23 00-0011 MLF #20/10 Conductor, Low Volt Thermostat Cable .....	925.03	148.38
26 05 23 00-0012 MLF #18/2 Conductor, Low Volt Thermostat Cable .....	436.63	105.19
26 05 23 00-0013 MLF #18/3 Conductor, Low Volt Thermostat Cable .....	534.69	110.80
26 05 23 00-0014 MLF #18/4 Conductor, Low Volt Thermostat Cable .....	620.57	117.16
26 05 23 00-0015 MLF #18/5 Conductor, Low Volt Thermostat Cable .....	667.49	122.11
26 05 23 00-0016 MLF #18/6 Conductor, Low Volt Thermostat Cable .....	749.39	127.89
26 05 23 00-0017 MLF #18/7 Conductor, Low Volt Thermostat Cable .....	766.15	133.20
26 05 23 00-0018 MLF #18/8 Conductor, Low Volt Thermostat Cable .....	850.95	138.52
26 05 23 00-0019 MLF #18/9 Conductor, Low Volt Thermostat Cable .....	1,022.03	144.05
26 05 23 00-0020 MLF #18/10 Conductor, Low Volt Thermostat Cable .....	1,132.39	148.38

**26 05 26 Grounding and Bonding for Electrical Systems** (26 05)

26 05 26 00-0001 Conductors, Straps And Conduit Jumpers (26 05 26)  
 26 05 26 00-0002 Single Conductor (26 05 26 00-0001)  
 26 05 26 00-0003 Copper Bare Stranded Conductors (26 05 26 00-0002)

26 05 26 00-0004 MLF 12 AWG Copper Bare Single Stranded Conductor .....	500.32	180.76
26 05 26 00-0005 MLF 10 AWG Copper Bare Single Stranded Conductor .....	667.81	180.76
26 05 26 00-0006 MLF 8 AWG Copper Bare Single Stranded Conductor .....	836.03	217.74
26 05 26 00-0007 MLF 6 AWG Copper Bare Single Stranded Conductor .....	1,163.23	217.74
26 05 26 00-0008 MLF 4 AWG Copper Bare Single Stranded Conductor .....	1,573.52	262.92
26 05 26 00-0009 MLF 2 AWG Copper Bare Single Stranded Conductor .....	2,495.83	262.92
26 05 26 00-0010 MLF 1 AWG Copper Bare Single Stranded Conductor .....	2,894.09	316.33
26 05 26 00-0011 MLF 1/0 AWG Copper Bare Single Stranded Conductor .....	3,396.68	316.33
26 05 26 00-0012 MLF 2/0 AWG Copper Bare Single Stranded Conductor .....	4,779.00	398.49
26 05 26 00-0013 MLF 3/0 AWG Copper Bare Single Stranded Conductor .....	5,901.38	398.49
26 05 26 00-0014 MLF 4/0 AWG Copper Bare Single Stranded Conductor .....	6,248.53	529.96
26 05 26 00-0015 MLF 250 MCM Copper Bare Single Stranded Conductor .....	8,044.88	529.96
26 05 26 00-0016 MLF 300 MCM Copper Bare Single Stranded Conductor .....	8,062.56	612.12
26 05 26 00-0017 MLF 350 MCM Copper Bare Single Stranded Conductor .....	10,898.51	612.12
26 05 26 00-0018 MLF 500 MCM Copper Bare Single Stranded Conductor .....	14,898.57	755.91

26 05 26 00-0019 Copper Insulated Single Stranded Conductors (26 05 26 00-0002)

26 05 26 00-0020 MLF 12 AWG Copper Insulated Single Stranded Conductor .....	962.15	246.49
26 05 26 00-0021 MLF 10 AWG Copper Insulated Single Stranded Conductor .....	1,017.47	246.49

**26 Electrical****26 05 Common Work Results for Electrical****26 05 26 Grounding and Bonding for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 26 00-0022 MLF 8 AWG Copper Insulated Single Stranded Conductor .....	1,311.57	246.49
26 05 26 00-0023 MLF 6 AWG Copper Insulated Single Stranded Conductor .....	1,481.56	427.25
26 05 26 00-0024 MLF 4 AWG Copper Insulated Single Stranded Conductor .....	2,017.97	427.25
26 05 26 00-0025 MLF 2 AWG Copper Insulated Single Stranded Conductor .....	2,869.57	427.25
26 05 26 00-0026 MLF 1 AWG Copper Insulated Single Stranded Conductor .....	3,479.09	747.69
26 05 26 00-0027 MLF 1/0 AWG Copper Insulated Single Stranded Conductor .....	4,255.34	747.69
26 05 26 00-0028 MLF 2/0 AWG Copper Insulated Single Stranded Conductor .....	5,004.18	747.69
26 05 26 00-0029 MLF 3/0 AWG Copper Insulated Single Stranded Conductor .....	5,980.66	747.69
26 05 26 00-0030 MLF 4/0 AWG Copper Insulated Single Stranded Conductor .....	7,070.95	977.75
26 05 26 00-0031 MLF 250 MCM Copper Insulated Single Stranded Conductor .....	8,575.54	977.75
26 05 26 00-0032 MLF 300 MCM Copper Insulated Single Stranded Conductor .....	10,006.76	977.75
26 05 26 00-0033 MLF 350 MCM Copper Insulated Single Stranded Conductor .....	11,673.74	1,520.03
26 05 26 00-0034 MLF 500 MCM Copper Insulated Single Stranded Conductor .....	15,293.17	1,520.03
<b>26 05 26 00-0035 Copper Bare Single Solid Conductors (26 05 26 00-0002)</b>		
26 05 26 00-0036 MLF 12 AWG Copper Bare Single Solid Conductor .....	500.32	180.76
26 05 26 00-0037 MLF 10 AWG Copper Bare Single Solid Conductor .....	667.81	180.76
26 05 26 00-0038 MLF 8 AWG Copper Bare Single Solid Conductor .....	836.03	217.74
26 05 26 00-0039 MLF 6 AWG Copper Bare Single Solid Conductor .....	1,163.23	217.74
26 05 26 00-0040 MLF 4 AWG Copper Bare Single Solid Conductor .....	1,573.52	262.92
26 05 26 00-0041 MLF 2 AWG Copper Bare Single Solid Conductor .....	2,495.83	262.92
26 05 26 00-0042 MLF 1/0 AWG Copper Bare Single Solid Conductor .....	3,396.68	316.33
26 05 26 00-0043 MLF 4/0 AWG Copper Bare Single Solid Conductor .....	6,248.53	419.03
<b>26 05 26 00-0044 Aluminum Bare Single Stranded Conductors (26 05 26 00-0002)</b>		
26 05 26 00-0045 MLF 8 AWG Aluminum Bare Single Stranded Conductor .....	670.62	217.74
26 05 26 00-0046 MLF 6 AWG Aluminum Bare Single Stranded Conductor .....	752.54	217.74
26 05 26 00-0047 MLF 4 AWG Aluminum Bare Single Stranded Conductor .....	880.63	262.92
26 05 26 00-0048 MLF 2 AWG Aluminum Bare Single Stranded Conductor .....	1,147.73	262.92
26 05 26 00-0049 MLF 1 AWG Aluminum Bare Single Stranded Conductor .....	1,373.76	316.33
26 05 26 00-0050 MLF 1/0 AWG Aluminum Bare Single Stranded Conductor .....	1,574.31	316.33
26 05 26 00-0051 MLF 2/0 AWG Aluminum Bare Single Stranded Conductor .....	1,810.74	398.49
26 05 26 00-0052 MLF 3/0 AWG Aluminum Bare Single Stranded Conductor .....	2,112.57	398.49
26 05 26 00-0053 MLF 4/0 AWG Aluminum Bare Single Stranded Conductor .....	2,502.91	529.96
26 05 26 00-0054 MLF 250 MCM Aluminum Bare Single Stranded Conductor .....	2,842.96	529.96
26 05 26 00-0055 MLF 300 MCM Aluminum Bare Single Stranded Conductor .....	3,495.83	612.12
26 05 26 00-0056 MLF 350 MCM Aluminum Bare Single Stranded Conductor .....	4,042.67	612.12
26 05 26 00-0057 MLF 500 MCM Aluminum Bare Single Stranded Conductor .....	4,731.49	755.91
<b>26 05 26 00-0058 Aluminum Bare Single Solid Conductors (26 05 26 00-0002)</b>		
26 05 26 00-0059 MLF 8 AWG Aluminum Bare Single Solid Conductor .....	670.62	217.74
26 05 26 00-0060 MLF 6 AWG Aluminum Bare Single Solid Conductor .....	752.54	217.74
26 05 26 00-0061 MLF 4 AWG Aluminum Bare Single Solid Conductor .....	880.63	262.92
26 05 26 00-0062 MLF 2 AWG Aluminum Bare Single Solid Conductor .....	1,147.73	262.92
26 05 26 00-0063 MLF 1 AWG Aluminum Bare Single Solid Conductor .....	1,340.59	419.03
26 05 26 00-0064 MLF 1/0 AWG Aluminum Bare Single Solid Conductor .....	1,574.31	419.03
26 05 26 00-0065 MLF 2/0 AWG Aluminum Bare Single Solid Conductor .....	1,728.60	398.49
26 05 26 00-0066 MLF 3/0 AWG Aluminum Bare Single Solid Conductor .....	1,947.17	398.49
26 05 26 00-0067 MLF 4/0 AWG Aluminum Bare Single Solid Conductor .....	2,502.91	529.96
26 05 26 00-0068 MLF 250 MCM Aluminum Bare Single Solid Conductor .....	2,842.96	529.96
26 05 26 00-0069 MLF 300 MCM Aluminum Bare Single Solid Conductor .....	3,495.83	612.12
26 05 26 00-0070 MLF 350 MCM Aluminum Bare Single Solid Conductor .....	4,042.67	612.12
26 05 26 00-0071 MLF 500 MCM Aluminum Bare Single Solid Conductor .....	4,731.49	755.91
<b>26 05 26 00-0072 Aluminum Smooth Woven Conductors (26 05 26 00-0002)</b>		
26 05 26 00-0073 LF 10 Strand x 14 AWG Smooth Weave Aluminum Conductor .....	2.37	0.62
26 05 26 00-0074 LF 16 Strand x 14 AWG Smooth Weave Aluminum Conductor .....	2.62	0.68
26 05 26 00-0075 LF 24 Strand x 14 AWG Smooth Weave Aluminum Conductor .....	3.15	0.78
26 05 26 00-0076 LF 26 Strand x 14 AWG Smooth Weave Aluminum Conductor .....	3.16	0.80
26 05 26 00-0077 LF 28 Strand x 14 AWG Smooth Weave Aluminum Conductor .....	3.32	0.84
<b>26 05 26 00-0078 Copper Flexible Braid Connector Jumper Strap (26 05 26 00-0001)</b>		
Note: Manufactured from flat extra flexible tinned braid. Ferrules are tin plated pure electrolytic copper with 2 holes, on each end.		
26 05 26 00-0079 EA 100 Amperes, Copper Flexible Braid Jumper Strap, 12" Length .....	129.87	22.58
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.55	
26 05 26 00-0080 EA 225 Amperes, Copper Flexible Braid Jumper Strap, 12" Length .....	234.20	27.10
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.26	
26 05 26 00-0081 EA 225 Amperes, Copper Flexible Braid Jumper Strap, 18" Length .....	306.26	27.10
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.26	
26 05 26 00-0082 EA 225 Amperes, Copper Flexible Braid Jumper Strap, 24" Length .....	377.35	27.10
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.26	
26 05 26 00-0083 EA 400 Amperes, Copper Flexible Braid Jumper Strap, 12" Length .....	317.52	29.36
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.32	
26 05 26 00-0084 EA 400 Amperes, Copper Flexible Braid Jumper Strap, 18" Length .....	421.20	29.36
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.32	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 26 00-0085 EA 400 Amperes, Copper Flexible Braid Jumper Strap, 24" Length ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	511.28 20.32	29.36
26 05 26 00-0086 EA 600 Amperes, Copper Flexible Braid Jumper Strap, 12" Length ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	419.13 22.36	37.26
26 05 26 00-0087 EA 800 Amperes, Copper Flexible Braid Jumper Strap, 12" Length ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	503.74 27.10	45.16
<b>26 05 26 00-0088 Bonding Jumper For Metallic Conduit</b> <small>(26 05 26 00-0001)</small>		
26 05 26 00-0089 EA 1/2" To 1" Conductor, Bonding Jumper, Metallic Conduit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	158.73 28.23	49.68
26 05 26 00-0090 EA 1-1/4" To 2" Conductor, Bonding Jumper, Metallic Conduit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	195.61 34.74	49.68
26 05 26 00-0091 EA 2-1/2" To 4" Conductor, Bonding Jumper, Metallic Conduit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	300.76 41.06	76.78
26 05 26 00-0092 EA 5" To 6" Conductor, Bonding Jumper, Metallic Conduit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	459.75 50.18	76.78
<b>26 05 26 00-0093 Ground Rods</b> <small>(26 05 26)</small>		
<b>26 05 26 00-0094 Copper-Clad Ground Rods</b> <small>(26 05 26 00-0093)</small>		
26 05 26 00-0095 EA 1/2" Diameter x 8' Long Copper-Clad Ground Rods .....	83.02	67.74
26 05 26 00-0096 EA 5/8" Diameter x 8' Long Copper-Clad Ground Rods .....	87.36	67.74
26 05 26 00-0097 EA 3/4" Diameter x 8' Long Copper-Clad Ground Rods .....	104.89	67.74
26 05 26 00-0098 EA 1/2" Diameter x 10' Long Copper-Clad Ground Rods .....	98.14	67.74
26 05 26 00-0099 EA 5/8" Diameter x 10' Long Copper-Clad Ground Rods .....	103.56	67.74
26 05 26 00-0100 EA 3/4" Diameter x 10' Long Copper-Clad Ground Rods .....	125.47	67.74
<b>26 05 26 00-0101 Copper Grounding Shaft</b> <small>(26 05 26 00-0093)</small>		
26 05 26 00-0102 EA 2-1/8" Diameter x 10' Long Copper Grounding Shaft.....	287.71	67.74
26 05 26 00-0103 EA 2-1/8" Diameter "L" Shaped; 3' Riser x 10' Horizontal Copper Grounding Shaft.....	359.57	67.74
26 05 26 00-0104 EA 2-1/8" Diameter "L" Shaped; 3' Riser x 20' Horizontal Copper Grounding Shaft.....	565.97	67.74
<b>26 05 26 00-0105 Ground Access Wells</b> <small>(26 05 26 00-0093)</small>		
<b>26 05 26 00-0106 Precast Ground Access Wells</b> <small>(26 05 26 00-0105)</small>		
26 05 26 00-0107 EA 8" Diameter x 24" Deep Precast Ground Access Well ..... Note: With cast iron grate.	277.79	
26 05 26 00-0108 EA 10" Diameter x 24" Deep Precast Ground Access Well..... Note: With cast iron grate.	287.48	
26 05 26 00-0109 EA 12" Diameter x 24" Deep Precast Ground Access Well..... Note: With cast iron grate.	851.54	
26 05 26 00-0110 EA 18" Diameter x 24" Deep Precast Ground Access Well..... Note: With cast iron grate.	861.24	
<b>26 05 26 00-0111 Polyvinyl Chloride (PVC) Ground Access Well</b> <small>(26 05 26 00-0105)</small>		
26 05 26 00-0112 EA 10" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well ..... Note: Schedule 40 with cast iron grated cover.	556.06	
26 05 26 00-0113 EA 12" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well ..... Note: Schedule 40 with cast iron grated cover.	678.24	
26 05 26 00-0114 EA 18" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well ..... Note: Schedule 40 with cast iron grated cover.	1,498.48	
26 05 26 00-0115 EA 10" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well ..... Note: Schedule 40 with flat steel cover.	420.33	
26 05 26 00-0116 EA 12" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well ..... Note: Schedule 40 with flat steel cover.	509.44	
26 05 26 00-0117 EA 18" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well ..... Note: Schedule 40 with flat steel cover.	1,339.94	
26 05 26 00-0118 EA 8" Diameter x 24" Deep Polyvinyl Chloride (PVC) Ground Access Well..... Note: Schedule 40 with flat steel cover.	239.83	
26 05 26 00-0119 EA 10" Diameter x 24" Deep Polyvinyl Chloride (PVC) Ground Access Well ..... Note: Schedule 40 with flat steel cover.	331.37	
26 05 26 00-0120 EA 12" Diameter x 24" Deep Polyvinyl Chloride (PVC) Ground Access Well ..... Note: Schedule 40 with flat steel cover.	395.38	
26 05 26 00-0121 EA 8" Diameter x 24" Deep Schedule 40 Polyvinyl Chloride (PVC) Ground Access Well, Plastic Cover .....	194.21	
26 05 26 00-0122 EA 10" Diameter x 24" Deep Schedule 40 Polyvinyl Chloride (PVC) Ground Access Well, Plastic Cover .....	305.13	
26 05 26 00-0123 EA 8" Diameter x 42" Deep Polyvinyl Chloride (PVC) Slotted Ground Access Well..... Note: Schedule 40 with flat steel cover.	458.55	
26 05 26 00-0124 EA 10" Diameter x 42" Deep Polyvinyl Chloride (PVC) Slotted Ground Access Well..... Note: Schedule 40 with flat steel cover.	634.49	
26 05 26 00-0125 EA 8" Diameter x 42" Deep Polyvinyl Chloride (PVC) Slotted Ground Access Well..... Note: Schedule 40 with plastic cover.	439.16	
26 05 26 00-0126 EA 10" Diameter x 42" Deep Polyvinyl Chloride (PVC) Slotted Ground Access Well..... Note: Schedule 40 with plastic cover.	472.52	
26 05 26 00-0127 EA 10" Diameter x 36" Deep Polyvinyl Chloride (PVC) Schedule 80 Ground Access Well ..... Note: With cast iron cover, heavy duty.	852.62	
26 05 26 00-0128 EA 10" Diameter x 42" Deep Polyvinyl Chloride (PVC) Schedule 80 Ground Access Well ..... Note: With cast iron cover, heavy duty.	1,077.03	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 26 Grounding and Bonding for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 26 00-0129 EA 12" Diameter x 12" Deep Polyvinyl Chloride (PVC) Schedule 80 Ground Access Well ..... Note: With cast iron cover, heavy duty.	471.66	
26 05 26 00-0130 EA 12" Diameter x 24" Deep Polyvinyl Chloride (PVC) Schedule 80 Ground Access Well ..... Note: With cast iron cover, heavy duty.	645.17	
26 05 26 00-0131 EA 12" Diameter x 30" Deep Polyvinyl Chloride (PVC) Schedule 80 Ground Access Well ..... Note: With cast iron cover, heavy duty.	637.33	
<b>26 05 26 00-0132 Polymer Concrete Ground Access Well (26 05 26 00-0105)</b>		
26 05 26 00-0133 EA 12" x 12" x 12" Polymer Concrete Ground Access Well .....	535.97	
26 05 26 00-0134 EA 12" x 12" x 12" Heavy Duty Polymer Concrete Ground Access Well .....	588.54	
26 05 26 00-0135 EA 12" x 12" x 18" Polymer Concrete Ground Access Well .....	590.97	
26 05 26 00-0136 EA 12" x 12" x 18" Heavy Duty Polymer Concrete Ground Access Well .....	648.83	
26 05 26 00-0137 EA 12" x 12" x 24" Polymer Concrete Ground Access Well .....	648.09	
26 05 26 00-0138 EA 12" x 12" x 24" Heavy Duty Polymer Concrete Ground Access Well .....	711.74	
26 05 26 00-0139 EA 13" x 24" x 18" Polymer Concrete Ground Access Well .....	866.81	
26 05 26 00-0140 EA 13" x 24" x 18" Heavy Duty Polymer Concrete Ground Access Well .....	953.70	
<b>26 05 26 00-0141 High Density Polyethylene (HDPE) Ground Access Well (26 05 26 00-0105)</b>		
26 05 26 00-0142 EA 9" Diameter x 10" Deep High Density Polyethylene (HDPE) Ground Access Well ..... Note: With cover.	192.16	
26 05 26 00-0143 EA 14" Diameter x 18" Deep High Density Polyethylene (HDPE) Ground Access Well ..... Note: With cover.	268.68	
<b>26 05 26 00-0144 Clay Tile Ground Access Wells (26 05 26 00-0105)</b>		
26 05 26 00-0145 EA 8" Diameter x 24" Deep Clay Tile Ground Access Well With Concrete Cover .....	304.29	
26 05 26 00-0146 EA 8" Diameter x 24" Deep Clay Tile Ground Access Well With Cast Iron Grated Cover .....	320.45	
26 05 26 00-0147 EA Concrete Cover For 8" Diameter x 24" Deep Clay Tile Ground Access Well .....	98.46	
<b>26 05 26 00-0148 Ground Rod Clamps And Fittings (26 05 26)</b>		
<b>26 05 26 00-0149 Bronze Ground Rod Clamp (26 05 26 00-0148)</b>		
26 05 26 00-0150 EA 1/2" Bronze Ground Rod Clamp .....	19.70	10.21
26 05 26 00-0151 EA 5/8" Bronze Ground Rod Clamp .....	20.80	10.21
26 05 26 00-0152 EA 3/4" Bronze Ground Rod Clamp .....	22.35	10.21
<b>26 05 26 00-0153 Bronze Pipe Clamps (26 05 26 00-0148)</b>		
26 05 26 00-0154 EA 1/2" To 1" Bronze Pipe Ground Clamps .....	25.62	16.98
26 05 26 00-0155 EA 1-1/4" To 2" Bronze Ground Clamps For Pipe .....	33.84	20.32
26 05 26 00-0156 EA 2-1/2" To 3" Bronze Ground Clamps For Pipe .....	56.94	23.75
26 05 26 00-0157 EA 2-1/2" To 4" Bronze Ground Clamps For Pipe .....	68.15	30.53
26 05 26 00-0158 EA 4" To 6" Bronze Ground Clamps For Pipe .....	106.96	44.08
<b>26 05 26 00-0159 Grounding Fittings (26 05 26 00-0148)</b>		
<b>26 05 26 00-0160 Embedded Fittings (26 05 26 00-0159)</b>		
26 05 26 00-0161 EA Ground Insert With Two 3/8 x 16 Holes #2 To 250 MCM Cable Range, Embedded .....	132.91	
26 05 26 00-0162 EA Ground Insert With Four 3/8 x 16 Holes #2 To 250 MCM Cable Range, Embedded .....	142.83	
26 05 26 00-0163 EA Ground Insert With Four 3/8 x 16 Holes 250 To 500 MCM Cable Range, Embedded .....	160.43	
26 05 26 00-0164 EA #8 To 1 AWG, Copper To Aluminum, Grounding Wire Splice.....	121.53	
26 05 26 00-0165 EA 1/0 To 3/0 AWG, Copper To Aluminum, Grounding Wire Splice.....	145.54	
26 05 26 00-0166 EA 4/0 To 300 MCM, Copper To Aluminum, Grounding Wire Splice.....	171.00	
26 05 26 00-0167 EA 350 To 500 MCM, Copper To Aluminum, Grounding Wire Splice.....	193.37	
<b>26 05 26 00-0168 Ground Rod Receptacle (26 05 26 00-0159)</b>		
26 05 26 00-0169 EA 1/2" Ground Rod Receptacle .....	288.90	93.94
26 05 26 00-0170 EA 5/8" Ground Rod Receptacle .....	303.03	96.59
26 05 26 00-0171 EA 3/4" Ground Rod Receptacle .....	317.46	99.21
<b>26 05 26 00-0172 Ground Kits For Circuit Breaker Panels (26 05 26 00-0159)</b>		
26 05 26 00-0173 EA 14-8 AWG Copper Ground Kit .....	63.85	22.58
26 05 26 00-0174 EA 12-8 AWG Aluminum Ground Kit .....	70.36	22.58
26 05 26 00-0175 EA 14-4 AWG Copper Ground Kit .....	72.19	22.58
26 05 26 00-0176 EA 12-4 AWG Aluminum Ground Kit .....	87.99	22.58
<b>26 05 26 00-0177 Insulated Grounding Bars (26 05 26 00-0148)</b>		
26 05 26 00-0178 EA 1/2" x 4" x 10" Insulated Ground Bar .....	282.23	22.67
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	40.64	
26 05 26 00-0179 EA Insulated Ground Bar SK 9560 1/2" x 4" x 20" .....	298.34	22.67
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	40.64	



	MINOR CSI UOM	DESCRIPTION	TOTAL DIRECT UNIT COST		DEMOLITION UNIT COST
26 05 26 00-0180		Ground Conductor Bonding <small>(26 05 26)</small>			
26 05 26 00-0181		Ground Conductor Bonding <small>(26 05 26 00-0180)</small>			
26 05 26 00-0182		Splice, Lug, Ground Rod, Rebar Or Structural Steel Cadweld <small>(26 05 26 00-0181)</small>			
26 05 26 00-0183	EA	Up To #6 AWG Cadweld Connection For Splice, Lug, Ground Rod, Rebar Or Structural Steel..... Note: Includes molds, materials and all necessary tools to make connections.	110.06		
26 05 26 00-0184	EA	#4 To #1 AWG Cadweld Connection For Splice, Lug, Ground Rod, Rebar Or Structural Steel..... Note: Includes molds, materials and all necessary tools to make connections.	119.08		
26 05 26 00-0185	EA	1/0 To 4/0 AWG Cadweld Connection For Splice, Lug, Ground Rod, Rebar Or Structural Steel..... Note: Includes molds, materials and all necessary tools to make connections.	128.12		
26 05 26 00-0186	EA	250 To 1,000 MCM AWG Cadweld Connection For Splice, Lug, Ground Rod, Rebar Or Structural Steel..... Note: Includes molds, materials and all necessary tools to make connections.	182.31		
26 05 26 00-0187		Tee, Wye Or Cross Cadweld <small>(26 05 26 00-0181)</small>			
26 05 26 00-0188	EA	Up To #6 AWG Cadweld Connection For Tee, Wye Or Cross..... Note: Includes molds, materials and all necessary tools to make connections.	123.60		
26 05 26 00-0189	EA	#4 To #1 AWG Cadweld Connection For Tee, Wye Or Cross..... Note: Includes molds, materials and all necessary tools to make connections.	141.66		
26 05 26 00-0190	EA	1/0 To 4/0 AWG Cadweld Connection For Tee, Wye Or Cross..... Note: Includes molds, materials and all necessary tools to make connections.	173.28		
26 05 26 00-0191	EA	250 To 1,000 MCM AWG Cadweld Connection For Tee, Wye Or Cross..... Note: Includes molds, materials and all necessary tools to make connections.	209.40		
26 05 26 00-0192		Grounding Equipment <small>(26 05 26)</small>			
26 05 26 00-0193		Special Grounding Equipment <small>(26 05 26 00-0192)</small>			
26 05 26 00-0194		Ground Reels And Ground Bus <small>(26 05 26 00-0193)</small>			
26 05 26 00-0195	EA	Ground Reel With 50' Of Galvanized Steel Cable.....	710.57		
26 05 26 00-0196		Copper Bars <small>(26 05 26 00-0193)</small>			
26 05 26 00-0197	LF	1/4" x 2" Copper Bar.....	40.21		
26 05 26 00-0198		Phenolic Insulators <small>(26 05 26 00-0193)</small>			
26 05 26 00-0199	EA	2" x 2" x 1" Long Phenolic Insulators..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.54 5.42		
26 05 26 00-0200		Grounding Studs <small>(26 05 26 00-0193)</small>			
26 05 26 00-0201	EA	Ball Grounding Stud..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	36.74 8.09		
26 05 26 00-0202		Equipment Ground Bar Kits <small>(26 05 26 00-0193)</small>			
26 05 26 00-0203	EA	Switch Rating 30 Ground Bar Kit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29.27 5.42		
26 05 26 00-0204	EA	Switch Rating 60 Ground Bar Kit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	38.33 5.96		
26 05 26 00-0205	EA	Switch Rating 100 Ground Bar Kit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	44.83 6.77		
26 05 26 00-0206	EA	Switch Rating 200 Ground Bar Kit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	81.27 8.13		
26 05 26 00-0207		Panelboard Ground Bar Kits <small>(26 05 26 00-0193)</small>			
26 05 26 00-0208	EA	Panelboard Ground Bar Kit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	122.64 6.77		6.77
26 05 26 00-0209		Circuit Breaker Ground Bar Kits <small>(26 05 26 00-0193)</small>			
26 05 26 00-0210	EA	3 Circuit, Ground Bar Kit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.76 4.07		4.06
26 05 26 00-0211	EA	4 Circuit, Ground Bar Kit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.25 4.07		4.06
26 05 26 00-0212	EA	7 Circuit, Ground Bar Kit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.11 4.07		4.06
26 05 26 00-0213	EA	12 Circuit, Ground Bar Kit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28.47 4.61		4.60
26 05 26 00-0214	EA	20 Circuit, Ground Bar Kit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32.51 5.15		5.15
26 05 26 00-0215	EA	24 Circuit, Ground Bar Kit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	35.88 5.69		5.69
26 05 26 00-0216	EA	30 Circuit, Ground Bar Kit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	39.96 6.50		6.50
26 05 26 00-0217	EA	54 Circuit, Ground Bar Kit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	46.17 7.59		7.58

**26 Electrical****26 05 Common Work Results for Electrical****26 05 26 Grounding and Bonding for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 26 00-0218 EA 24 Circuit, Ground Bar Kit With #1 To 4/0 Aluminum/Copper Lug ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	53.30 5.69	5.69
26 05 26 00-0219 EA 30 Circuit, Ground Bar Kit With #1 To 4/0 Aluminum/Copper Lug ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	58.76 6.50	6.50
26 05 26 00-0220 EA 54 Circuit, Ground Bar Kit With #1 To 4/0 Aluminum/Copper Lug ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	65.15 7.59	7.58

**26 05 29 Hangers and Supports for Electrical Systems** (26 05)

26 05 29 00-0001 Metal Framing Channel And Fittings (26 05 29) See CSI section 05 43 00 00-0001 for additional unistrut fittings.		
26 05 29 00-0002 Metal Framing Channel (26 05 29 00-0001) Note: Excludes fasteners and accessories.		
26 05 29 00-0003 14 Gauge Metal Framing Channels (26 05 29 00-0002)		
26 05 29 00-0004 14 Gauge, Steel Unistrut Channel (26 05 29 00-0003)		
26 05 29 00-0005 EA Up To 1' Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, Steel Unistrut Channel .....	19.16	4.95
26 05 29 00-0006 EA >1' To 2' Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, Steel Unistrut Channel .....	24.29	4.95
26 05 29 00-0007 LF >2' Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, Steel Unistrut Channel .....	11.33	1.87
26 05 29 00-0008 14 Gauge, 304 Stainless Steel Unistrut Channel (26 05 29 00-0003)		
26 05 29 00-0009 EA Up To 1' Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 304 Stainless Steel Unistrut Channel .....	41.89	4.95
26 05 29 00-0010 EA Up To 1' Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, 304 Stainless Steel Unistrut Channel .....	47.46	4.95
26 05 29 00-0011 EA >1' To 2' Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 304 Stainless Steel Unistrut Channel .....	69.74	4.95
26 05 29 00-0012 EA >1' To 2' Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, 304 Stainless Steel Unistrut Channel .....	80.88	4.95
26 05 29 00-0013 LF >2' Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 304 Stainless Steel Unistrut Channel .....	34.06	1.87
26 05 29 00-0014 LF >2' Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, 304 Stainless Steel Unistrut Channel .....	39.63	1.87
26 05 29 00-0015 14 Gauge, 316 Stainless Steel Unistrut Channel (26 05 29 00-0003)		
26 05 29 00-0016 EA Up To 1' Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 316 Stainless Steel Unistrut Channel .....	65.93	4.95
26 05 29 00-0017 EA >1' To 2' Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 316 Stainless Steel Unistrut Channel .....	117.84	4.95
26 05 29 00-0018 LF >2' Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 316 Stainless Steel Unistrut Channel .....	58.10	1.87
26 05 29 00-0019 12 Gauge Metal Framing Channels (26 05 29 00-0002)		
26 05 29 00-0020 12 Gauge, Steel Unistrut Channel (26 05 29 00-0019)		
26 05 29 00-0021 EA Up To 1' Length x 1-5/8" Wide x 13/16" High, 12 Gauge, Steel Unistrut Channel .....	21.02	4.95
26 05 29 00-0022 EA Up To 1' Length x 1-5/8" Wide x 1-3/8" High, 12 Gauge, Steel Unistrut Channel .....	20.39	4.95
26 05 29 00-0023 EA Up To 1' Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, Steel Unistrut Channel .....	19.98	4.95
26 05 29 00-0024 EA >1' To 2' Length x 1-5/8" Wide x 13/16" High, 12 Gauge, Steel Unistrut Channel .....	28.00	4.95
26 05 29 00-0025 EA >1' To 2' Length x 1-5/8" Wide x 1-3/8" High, 12 Gauge, Steel Unistrut Channel .....	26.75	4.95
26 05 29 00-0026 EA >1' To 2' Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, Steel Unistrut Channel .....	25.93	4.95
26 05 29 00-0027 LF >2' Length x 1-5/8" Wide x 13/16" High, 12 Gauge, Steel Unistrut Channel .....	13.19	1.87
26 05 29 00-0028 LF >2' Length x 1-5/8" Wide x 1-3/8" High, 12 Gauge, Steel Unistrut Channel .....	12.56	1.87
26 05 29 00-0029 LF >2' Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, Steel Unistrut Channel .....	12.15	1.87
26 05 29 00-0030 12 Gauge, 304 Stainless Steel Unistrut Channel (26 05 29 00-0019)		
26 05 29 00-0031 EA Up To 1' Length x 1-5/8" Wide x 13/16" High, 12 Gauge, 304 Stainless Steel Unistrut Channel .....	49.30	4.95
26 05 29 00-0032 EA Up To 1' Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, 304 Stainless Steel Unistrut Channel .....	58.91	4.95
26 05 29 00-0033 EA >1' To 2' Length x 1-5/8" Wide x 13/16" High, 12 Gauge, 304 Stainless Steel Unistrut Channel .....	84.57	4.95
26 05 29 00-0034 EA >1' To 2' Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, 304 Stainless Steel Unistrut Channel .....	103.78	4.95
26 05 29 00-0035 LF >2' Length x 1-5/8" Wide x 13/16" High, 12 Gauge, 304 Stainless Steel Unistrut Channel .....	41.47	1.87
26 05 29 00-0036 LF >2' Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, 304 Stainless Steel Unistrut Channel .....	51.08	1.87
26 05 29 00-0037 Metal Framing Channel Fittings (26 05 29 00-0001)		
26 05 29 00-0038 Unistrut Channel Closure Strips And Caps (26 05 29 00-0037)		
26 05 29 00-0039 Steel Unistrut Channel Closure Strips And Caps (26 05 29 00-0038)		
26 05 29 00-0040 LF Steel Raceway Closure Strip, Unistrut Channel Fittings .....	7.24	0.45
26 05 29 00-0041 EA Steel End Cap, Unistrut Channel Fittings .....	11.56	4.52
26 05 29 00-0042 Stainless Steel Unistrut Channel Closure Strips And Caps (26 05 29 00-0038)		
26 05 29 00-0043 EA Stainless Steel End Cap For Unistrut Channel .....	23.44	4.52
26 05 29 00-0044 Flat Splice Plate, Unistrut Channel Fittings (26 05 29 00-0037)		
26 05 29 00-0045 Steel Flat Splice Plate, Unistrut Channel Fittings (26 05 29 00-0044)		
26 05 29 00-0046 EA 2-Hole, 3-1/4" Length, In-Line, Flat Splice Plate, Steel, Unistrut Channel Fitting .....	6.79	
26 05 29 00-0047 EA 3-Hole, 5-3/8" Length, In-Line, Flat Splice Plate, Steel, Unistrut Channel Fitting .....	6.75	
26 05 29 00-0048 EA 4-Hole, 7-1/4" Length, In-Line, Flat Splice Plate, Steel, Unistrut Channel Fitting .....	8.38	





	MINOR CSI UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>26 05 29 00-0049</b>		<b>Stainless Steel Flat Splice Plate, Unistrut Channel Fittings</b> <small>(26 05 29 00-0044)</small>		
26 05 29 00-0050	EA	2-Hole, 3-1/2" Length, In-Line, Flat Splice Plate, 304 Stainless Steel, Unistrut Channel Fitting .....	25.29	
26 05 29 00-0051	EA	3-Hole, 5-3/8" Length, In-Line, Flat Splice Plate, 304 Stainless Steel, Unistrut Channel Fitting .....	38.36	
26 05 29 00-0052	EA	4-Hole, 7-1/4" Length, In-Line, Flat Splice Plate, 304 Stainless Steel, Unistrut Channel Fitting .....	49.42	
<b>26 05 29 00-0053</b>		<b>90 Degree Angle, Unistrut Channel Fittings</b> <small>(26 05 29 00-0037)</small>		
<b>26 05 29 00-0054</b>		<b>Steel 90 Degree Angle, Unistrut Channel Fittings</b> <small>(26 05 29 00-0053)</small>		
26 05 29 00-0055	EA	2-Hole, 1-7/8" x 2", 90 Degree Angle, Steel, Unistrut Channel Fitting .....	6.55	
26 05 29 00-0056	EA	2-Hole, 1-5/8" x 2-1/4", 90 Degree Angle, Steel, Unistrut Channel Fitting .....	5.35	
26 05 29 00-0057	EA	3-Hole, 1-5/8" x 4-1/8", 90 Degree Angle, Steel, Unistrut Channel Fitting .....	9.83	
26 05 29 00-0058	EA	3-Hole, 1-7/8" x 3-7/8", 90 Degree Angle, Steel, Unistrut Channel Fitting .....	9.68	
<b>26 05 29 00-0059</b>		<b>Stainless Steel 90 Degree Angle, Unistrut Channel Fittings</b> <small>(26 05 29 00-0053)</small>		
26 05 29 00-0060	EA	2-Hole, 1-7/8" x 2", 90 Degree Angle, 304 Stainless Steel, Unistrut Channel Fitting .....	13.84	
26 05 29 00-0061	EA	2-Hole, 1-7/8" x 2", 90 Degree Angle, 316 Stainless Steel, Unistrut Channel Fitting .....	17.68	
26 05 29 00-0062	EA	2-Hole, 1-5/8" x 2-1/4", 90 Degree Angle, 304 Stainless Steel, Unistrut Channel Fitting .....	14.77	
26 05 29 00-0063	EA	2-Hole, 1-5/8" x 2-1/4", 90 Degree Angle, 316 Stainless Steel, Unistrut Channel Fitting .....	21.60	
26 05 29 00-0064	EA	3-Hole, 1-5/8" x 4-1/8", 90 Degree Angle, 304 Stainless Steel, Unistrut Channel Fitting .....	19.61	
26 05 29 00-0065	EA	3-Hole, 1-5/8" x 4-1/8", 90 Degree Angle, 316 Stainless Steel, Unistrut Channel Fitting .....	37.45	
26 05 29 00-0066	EA	3-Hole, 1-7/8" x 3-7/8", 90 Degree Angle, 304 Stainless Steel, Unistrut Channel Fitting .....	20.70	
26 05 29 00-0067	EA	3-Hole, 1-7/8" x 3-7/8", 90 Degree Angle, 316 Stainless Steel, Unistrut Channel Fitting .....	30.69	
<b>26 05 29 00-0068</b>		<b>60 Degree Angle, Unistrut Channel Fittings</b> <small>(26 05 29 00-0037)</small>		
<b>26 05 29 00-0069</b>		<b>Steel 60 Degree Angle, Unistrut Channel Fittings</b> <small>(26 05 29 00-0068)</small>		
26 05 29 00-0070	EA	2-Hole, 1-7/8" x 3-3/8", 60 Degree Angle, Steel, Unistrut Channel Fitting .....	14.41	
<b>26 05 29 00-0071</b>		<b>U-Connector, Unistrut Channel Fittings</b> <small>(26 05 29 00-0037)</small>		
<b>26 05 29 00-0072</b>		<b>Steel, U-Connector, Unistrut Channel Fittings</b> <small>(26 05 29 00-0071)</small>		
26 05 29 00-0073	EA	3-Hole, 1-5/8" x 13/16", U-Connector, Steel, Unistrut Channel Fitting .....	4.57	
26 05 29 00-0074	EA	5-Hole, 1-5/8" x 1-5/8", U-Connector, Steel, Unistrut Channel Fitting .....	5.19	
<b>26 05 29 00-0075</b>		<b>Stainless Steel, U-Connector, Unistrut Channel Fittings</b> <small>(26 05 29 00-0071)</small>		
26 05 29 00-0076	EA	5-Hole, 1-5/8" x 1-5/8", U-Connector, 304 Stainless Steel, Unistrut Channel Fitting .....	30.46	
<b>26 05 29 00-0077</b>		<b>Z-Bracket, Unistrut Channel Fittings</b> <small>(26 05 29 00-0037)</small>		
<b>26 05 29 00-0078</b>		<b>Steel Z-Bracket, Unistrut Channel Fittings</b> <small>(26 05 29 00-0077)</small>		
26 05 29 00-0079	EA	3-Hole, Z-Bracket, Steel, Unistrut Channel Fitting .....	14.81	
<b>26 05 29 00-0080</b>		<b>Stainless Steel Z-Bracket, Unistrut Channel Fittings</b> <small>(26 05 29 00-0077)</small>		
26 05 29 00-0081	EA	3-Hole, Z-Bracket, 304 Stainless Steel, Unistrut Channel Fitting .....	60.66	
<b>26 05 29 00-0082</b>		<b>Standard Pipe And Rigid Conduit Clamps For Unistrut Channel</b> <small>(26 05 29 00-0037)</small>		
		Note: Includes hex screw and nut.		
<b>26 05 29 00-0083</b>		<b>Steel, Standard Pipe And Rigid Conduit Clamps For Unistrut Channel</b> <small>(26 05 29 00-0082)</small>		
		Note: Includes hex screw and nut.		
26 05 29 00-0084	EA	1/2" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel .....	4.47	1.36
26 05 29 00-0085	EA	3/4" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel .....	4.50	1.36
26 05 29 00-0086	EA	1" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel .....	4.64	1.36
26 05 29 00-0087	EA	1-1/4" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel .....	5.74	1.81
26 05 29 00-0088	EA	1-1/2" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel .....	6.46	1.81
26 05 29 00-0089	EA	2" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel .....	6.53	1.81
26 05 29 00-0090	EA	2-1/2" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel .....	7.95	2.26
26 05 29 00-0091	EA	3" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel .....	8.58	2.26
26 05 29 00-0092	EA	3-1/2" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel .....	9.19	2.26
26 05 29 00-0093	EA	4" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel .....	9.41	2.26
<b>26 05 29 00-0094</b>		<b>304 Stainless Steel, Standard Pipe And Rigid Conduit Clamps For Unistrut Channel</b> <small>(26 05 29 00-0082)</small>		
		Note: Includes hex screw and nut.		
26 05 29 00-0095	EA	1/2" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel .....	9.72	1.36
26 05 29 00-0096	EA	3/4" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel .....	11.18	1.36
26 05 29 00-0097	EA	1" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel .....	12.63	1.36
26 05 29 00-0098	EA	1-1/4" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel .....	15.46	1.81
26 05 29 00-0099	EA	1-1/2" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel .....	19.51	1.81
26 05 29 00-0100	EA	2" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel .....	20.57	1.81
26 05 29 00-0101	EA	2-1/2" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel .....	24.51	2.26

**26 Electrical****26 05 Common Work Results for Electrical****26 05 29 Hangers and Supports for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0102 EA 3" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	28.11	2.26
26 05 29 00-0103 EA 3-1/2" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	29.66	2.26
26 05 29 00-0104 EA 4" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	35.37	2.26
<b>26 05 29 00-0105 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamps For Unistrut Channel</b> (26 05 29 00-0082)		
Note: Includes hex screw and nut.		
26 05 29 00-0106 EA 1/2" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	10.61	1.36
26 05 29 00-0107 EA 3/4" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	12.67	1.36
26 05 29 00-0108 EA 1" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	13.25	1.36
26 05 29 00-0109 EA 1-1/4" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	15.74	1.81
26 05 29 00-0110 EA 1-1/2" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	22.83	1.81
26 05 29 00-0111 EA 2" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	23.18	1.81
26 05 29 00-0112 EA 2-1/2" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	27.24	2.26
26 05 29 00-0113 EA 3" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	29.07	2.26
26 05 29 00-0114 EA 3-1/2" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	42.12	2.26
26 05 29 00-0115 EA 4" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	50.09	2.26
<b>26 05 29 00-0116 Beam Clamps, Unistrut Channel Fittings</b> (26 05 29 00-0037)		
<b>26 05 29 00-0117 Steel Beam Clamps, Unistrut Channel Fittings</b> (26 05 29 00-0116)		
26 05 29 00-0118 EA Set Screw Beam Clamp, Steel Unistrut Channel Fitting .....	34.99	8.25
26 05 29 00-0119 EA "C" Beam Clamp Use With 1/2" Rod, Steel Unistrut Channel Fittings .....	20.75	8.25
26 05 29 00-0120 EA "U" Bolt Beam Clamp, Steel Unistrut Channel Fitting .....	33.55	8.25
<b>26 05 29 00-0121 304 Stainless Steel Beam Clamps, Unistrut Channel Fittings</b> (26 05 29 00-0116)		
26 05 29 00-0122 EA "U" Bolt Beam Clamp, 304 Stainless Steel Unistrut Channel Fitting .....	59.62	8.25
<b>26 05 29 00-0123 Square Washers For Unistrut Channel</b> (26 05 29 00-0037)		
<b>26 05 29 00-0124 Steel Square Washers For Unistrut Channel</b> (26 05 29 00-0123)		
26 05 29 00-0125 EA 1/2" Bolt Size, Steel, Square Washer For Unistrut Channel .....	4.69	
<b>26 05 29 00-0126 Stainless Steel Square Washers For Unistrut Channel</b> (26 05 29 00-0123)		
26 05 29 00-0127 EA 1/2" Bolt Size, 304 Stainless Steel, Square Washer For Unistrut Channel .....	6.37	
26 05 29 00-0128 EA 1/2" Bolt Size, 316 Stainless Steel, Square Washer For Unistrut Channel .....	8.35	
<b>26 05 29 00-0129 Strut Braces, Unistrut Channel Fittings</b> (26 05 29 00-0037)		
26 05 29 00-0130 EA 16" Diagonal Steel Bar Brace For Unistrut Channel .....	42.09	
<b>26 05 29 00-0131 Trolley Hangers, Unistrut Channel Fittings</b> (26 05 29 00-0037)		
26 05 29 00-0132 EA Steel Trolley Track Hanger For Unistrut Channel .....	51.93	
<b>26 05 29 00-0133 Lock Nuts With Spring For Unistrut Channel</b> (26 05 29 00-0037)		
Note: Includes hex bolt.		
<b>26 05 29 00-0134 Steel Lock Nuts With Spring For Unistrut Channel</b> (26 05 29 00-0133)		
Note: Includes hex bolt.		
26 05 29 00-0135 EA 1/4-20, Steel Lock Nut With Spring For Unistrut Channel.....	6.97	
26 05 29 00-0136 EA 3/8-16, Steel Lock Nut With Spring For Unistrut Channel.....	7.84	
26 05 29 00-0137 EA 1/2-13, Steel Lock Nut With Spring For Unistrut Channel.....	8.50	
26 05 29 00-0138 EA 5/8-11, Steel Lock Nut With Spring For Unistrut Channel.....	12.02	
<b>26 05 29 00-0139 Stainless Steel Lock Nuts With Spring For Unistrut Channel</b> (26 05 29 00-0133)		
Note: Includes hex bolt.		
26 05 29 00-0140 EA 1/4-20, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel .....	19.25	
26 05 29 00-0141 EA 3/8-16, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel .....	20.60	
26 05 29 00-0142 EA 1/2-13, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel .....	29.93	
26 05 29 00-0143 EA 5/8-11, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel .....	52.51	
<b>26 05 29 00-0144 Lock Nuts Without Spring For Unistrut Channel</b> (26 05 29 00-0037)		
Note: Includes hex bolt.		
<b>26 05 29 00-0145 Steel Lock Nuts Without Spring For Unistrut Channel</b> (26 05 29 00-0144)		
Note: Includes hex bolt.		
26 05 29 00-0146 EA 1/4-20, Steel Lock Nut Without Spring For Unistrut Channel .....	7.00	
26 05 29 00-0147 EA 3/8-16, Steel Lock Nut Without Spring For Unistrut Channel .....	7.96	
26 05 29 00-0148 EA 1/2-13, Steel Lock Nut Without Spring For Unistrut Channel .....	8.55	
26 05 29 00-0149 EA 5/8-11, Steel Lock Nut Without Spring For Unistrut Channel .....	13.03	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0150	<b>Stainless Steel Lock Nuts Without Spring For Unistrut Channel</b> <small>(26 05 29 00-0144)</small>	
	Note: Includes hex bolt.	
26 05 29 00-0151 EA	1/4-20, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel .....	13.27
26 05 29 00-0152 EA	3/8-16, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel .....	16.38
26 05 29 00-0153 EA	1/2-13, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel .....	18.02
26 05 29 00-0154 EA	5/8-11, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel .....	51.10
26 05 29 00-0155	<b>Mounting Assemblies</b> <small>(26 05 29)</small>	
26 05 29 00-0156	<b>Galvanized Steel Mounting Assemblies</b> <small>(26 05 29 00-0155)</small>	
26 05 29 00-0157	<b>Galvanized Steel Back Plate</b> <small>(26 05 29 00-0156)</small>	
26 05 29 00-0158 EA	1/4" x 4' x 4', Galvanized Steel Back Plate, Painted .....	500.29
26 05 29 00-0159 EA	3/8" x 14" x 16", Galvanized Steel Back Plate, Painted .....	119.80
26 05 29 00-0160 EA	3/16" x 30" x 48", Galvanized Steel Back Plate, Painted .....	303.85
26 05 29 00-0161	<b>Aluminum Mounting Assemblies</b> <small>(26 05 29 00-0155)</small>	
26 05 29 00-0162	<b>Aluminum Back Plate</b> <small>(26 05 29 00-0161)</small>	
26 05 29 00-0163 EA	3/16" x 2' x 2' Aluminum Back Plate .....	409.22
26 05 29 00-0164 EA	3/16" x 4' x 4' Aluminum Back Plate .....	1,231.81
26 05 29 00-0165	<b>Supports</b> <small>(26 05 29)</small>	
26 05 29 00-0166	<b>One Hole Steel Conduit Straps</b> <small>(26 05 29 00-0165)</small>	
26 05 29 00-0167 EA	1/2", One Hole Steel Conduit Strap .....	3.42
	<i>For Work In Restricted Working Space, Add</i>	0.87
	<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.82
	<i>For &gt;50 To 100, Deduct</i>	-0.16
	<i>For &gt;100 To 250, Deduct</i>	-0.32
	<i>For &gt;250 To 500, Deduct</i>	-0.62
	<i>For &gt;500, Deduct</i>	-0.92
26 05 29 00-0168 EA	3/4", One Hole Steel Conduit Strap .....	3.47
	<i>For Work In Restricted Working Space, Add</i>	0.87
	<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.82
	<i>For &gt;50 To 100, Deduct</i>	-0.16
	<i>For &gt;100 To 250, Deduct</i>	-0.32
	<i>For &gt;250 To 500, Deduct</i>	-0.62
	<i>For &gt;500, Deduct</i>	-0.93
26 05 29 00-0169 EA	1", One Hole Steel Conduit Strap .....	3.72
	<i>For Work In Restricted Working Space, Add</i>	0.87
	<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.82
	<i>For &gt;50 To 100, Deduct</i>	-0.17
	<i>For &gt;100 To 250, Deduct</i>	-0.33
	<i>For &gt;250 To 500, Deduct</i>	-0.64
	<i>For &gt;500, Deduct</i>	-0.95
26 05 29 00-0170 EA	1-1/4", One Hole Steel Conduit Strap .....	3.91
	<i>For Work In Restricted Working Space, Add</i>	0.87
	<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.82
	<i>For &gt;50 To 100, Deduct</i>	-0.17
	<i>For &gt;100 To 250, Deduct</i>	-0.34
	<i>For &gt;250 To 500, Deduct</i>	-0.65
	<i>For &gt;500, Deduct</i>	-0.97
26 05 29 00-0171 EA	1-1/2", One Hole Steel Conduit Strap .....	4.03
	<i>For Work In Restricted Working Space, Add</i>	0.87
	<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.82
	<i>For &gt;50 To 100, Deduct</i>	-0.17
	<i>For &gt;100 To 250, Deduct</i>	-0.35
	<i>For &gt;250 To 500, Deduct</i>	-0.66
	<i>For &gt;500, Deduct</i>	-0.98
26 05 29 00-0172 EA	2", One Hole Steel Conduit Strap .....	4.79
	<i>For Work In Restricted Working Space, Add</i>	0.87
	<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.82
	<i>For &gt;50 To 100, Deduct</i>	-0.19
	<i>For &gt;100 To 250, Deduct</i>	-0.38
	<i>For &gt;250 To 500, Deduct</i>	-0.72
	<i>For &gt;500, Deduct</i>	-1.06
26 05 29 00-0173 EA	2-1/2", One Hole Steel Conduit Strap .....	5.57
	<i>For Work In Restricted Working Space, Add</i>	0.87
	<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.82
	<i>For &gt;50 To 100, Deduct</i>	-0.21
	<i>For &gt;100 To 250, Deduct</i>	-0.42
	<i>For &gt;250 To 500, Deduct</i>	-0.78
	<i>For &gt;500, Deduct</i>	-1.14
26 05 29 00-0174 EA	3", One Hole Steel Conduit Strap .....	5.82
	<i>For Work In Restricted Working Space, Add</i>	0.87
	<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.82
	<i>For &gt;50 To 100, Deduct</i>	-0.22
	<i>For &gt;100 To 250, Deduct</i>	-0.44
	<i>For &gt;250 To 500, Deduct</i>	-0.80
	<i>For &gt;500, Deduct</i>	-1.16

**26 Electrical**

**26 05 Common Work Results for Electrical**

**26 05 29 Hangers and Supports for Electrical Systems**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0175	EA		3-1/2", One Hole Steel Conduit Strap .....7.10		
			<i>For Work In Restricted Working Space, Add</i>	0.87	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.82	
			<i>For &gt;50 To 100, Deduct</i>	-0.25	
			<i>For &gt;100 To 250, Deduct</i>	-0.50	
			<i>For &gt;250 To 500, Deduct</i>	-0.89	
			<i>For &gt;500, Deduct</i>	-1.29	
26 05 29 00-0176	EA		4", One Hole Steel Conduit Strap .....8.12		
			<i>For Work In Restricted Working Space, Add</i>	0.87	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.82	
			<i>For &gt;50 To 100, Deduct</i>	-0.28	
			<i>For &gt;100 To 250, Deduct</i>	-0.55	
			<i>For &gt;250 To 500, Deduct</i>	-0.97	
			<i>For &gt;500, Deduct</i>	-1.39	
<b>26 05 29 00-0177 One Hole Iron Conduit Straps (26 05 29 00-0165)</b>					
26 05 29 00-0178	EA		1/2", One Hole Iron Conduit Strap .....3.54		
			<i>For Work In Restricted Working Space, Add</i>	0.87	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.82	
			<i>For &gt;50 To 100, Deduct</i>	-0.16	
			<i>For &gt;100 To 250, Deduct</i>	-0.32	
			<i>For &gt;250 To 500, Deduct</i>	-0.63	
			<i>For &gt;500, Deduct</i>	-0.93	
26 05 29 00-0179	EA		3/4", One Hole Iron Conduit Strap .....3.67		
			<i>For Work In Restricted Working Space, Add</i>	0.87	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.82	
			<i>For &gt;50 To 100, Deduct</i>	-0.16	
			<i>For &gt;100 To 250, Deduct</i>	-0.33	
			<i>For &gt;250 To 500, Deduct</i>	-0.64	
			<i>For &gt;500, Deduct</i>	-0.95	
26 05 29 00-0180	EA		1", One Hole Iron Conduit Strap .....3.88		
			<i>For Work In Restricted Working Space, Add</i>	0.87	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.82	
			<i>For &gt;50 To 100, Deduct</i>	-0.17	
			<i>For &gt;100 To 250, Deduct</i>	-0.34	
			<i>For &gt;250 To 500, Deduct</i>	-0.65	
			<i>For &gt;500, Deduct</i>	-0.97	
26 05 29 00-0181	EA		1-1/4", One Hole Iron Conduit Strap .....4.41		
			<i>For Work In Restricted Working Space, Add</i>	0.87	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.82	
			<i>For &gt;50 To 100, Deduct</i>	-0.18	
			<i>For &gt;100 To 250, Deduct</i>	-0.37	
			<i>For &gt;250 To 500, Deduct</i>	-0.69	
			<i>For &gt;500, Deduct</i>	-1.02	
26 05 29 00-0182	EA		1-1/2", One Hole Iron Conduit Strap .....4.63		
			<i>For Work In Restricted Working Space, Add</i>	0.87	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.82	
			<i>For &gt;50 To 100, Deduct</i>	-0.19	
			<i>For &gt;100 To 250, Deduct</i>	-0.38	
			<i>For &gt;250 To 500, Deduct</i>	-0.71	
			<i>For &gt;500, Deduct</i>	-1.04	
26 05 29 00-0183	EA		2", One Hole Iron Conduit Strap .....5.97		
			<i>For Work In Restricted Working Space, Add</i>	0.87	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.82	
			<i>For &gt;50 To 100, Deduct</i>	-0.22	
			<i>For &gt;100 To 250, Deduct</i>	-0.44	
			<i>For &gt;250 To 500, Deduct</i>	-0.81	
			<i>For &gt;500, Deduct</i>	-1.18	
26 05 29 00-0184	EA		2-1/2", One Hole Iron Conduit Strap .....8.86		
			<i>For Work In Restricted Working Space, Add</i>	0.87	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.82	
			<i>For &gt;50 To 100, Deduct</i>	-0.29	
			<i>For &gt;100 To 250, Deduct</i>	-0.59	
			<i>For &gt;250 To 500, Deduct</i>	-1.03	
			<i>For &gt;500, Deduct</i>	-1.46	
26 05 29 00-0185	EA		3", One Hole Iron Conduit Strap .....11.27		
			<i>For Work In Restricted Working Space, Add</i>	0.87	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.82	
			<i>For &gt;50 To 100, Deduct</i>	-0.35	
			<i>For &gt;100 To 250, Deduct</i>	-0.71	
			<i>For &gt;250 To 500, Deduct</i>	-1.21	
			<i>For &gt;500, Deduct</i>	-1.71	
26 05 29 00-0186	EA		3-1/2", One Hole Iron Conduit Strap .....14.78		
			<i>For Work In Restricted Working Space, Add</i>	0.87	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.82	
			<i>For &gt;50 To 100, Deduct</i>	-0.44	
			<i>For &gt;100 To 250, Deduct</i>	-0.88	
			<i>For &gt;250 To 500, Deduct</i>	-1.47	
			<i>For &gt;500, Deduct</i>	-2.06	
26 05 29 00-0187	EA		4", One Hole Iron Conduit Strap .....28.87		
			<i>For Work In Restricted Working Space, Add</i>	0.87	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.82	
			<i>For &gt;50 To 100, Deduct</i>	-0.79	
			<i>For &gt;100 To 250, Deduct</i>	-1.59	
			<i>For &gt;250 To 500, Deduct</i>	-2.53	
			<i>For &gt;500, Deduct</i>	-3.47	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0188 EA 5", One Hole Iron Conduit Strap .....36.45		
<i>For Work In Restricted Working Space, Add</i>	0.87	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.82	
<i>For &gt;50 To 100, Deduct</i>	-0.98	
<i>For &gt;100 To 250, Deduct</i>	-1.97	
<i>For &gt;250 To 500, Deduct</i>	-3.10	
<i>For &gt;500, Deduct</i>	-4.22	
<b>26 05 29 00-0189 Two Hole Steel Conduit Straps</b> (26 05 29 00-0165)		
26 05 29 00-0190 EA 1/2", Two Hole Steel Conduit Strap .....4.01		
<i>For Work In Restricted Working Space, Add</i>	0.98	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.01	
<i>For &gt;50 To 100, Deduct</i>	-0.18	
<i>For &gt;100 To 250, Deduct</i>	-0.36	
<i>For &gt;250 To 500, Deduct</i>	-0.71	
<i>For &gt;500, Deduct</i>	-1.05	
26 05 29 00-0191 EA 3/4", Two Hole Steel Conduit Strap .....4.09		
<i>For Work In Restricted Working Space, Add</i>	0.98	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.01	
<i>For &gt;50 To 100, Deduct</i>	-0.18	
<i>For &gt;100 To 250, Deduct</i>	-0.37	
<i>For &gt;250 To 500, Deduct</i>	-0.71	
<i>For &gt;500, Deduct</i>	-1.06	
26 05 29 00-0192 EA 1", Two Hole Steel Conduit Strap .....4.13		
<i>For Work In Restricted Working Space, Add</i>	0.98	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.01	
<i>For &gt;50 To 100, Deduct</i>	-0.18	
<i>For &gt;100 To 250, Deduct</i>	-0.37	
<i>For &gt;250 To 500, Deduct</i>	-0.72	
<i>For &gt;500, Deduct</i>	-1.06	
26 05 29 00-0193 EA 1-1/4", Two Hole Steel Conduit Strap .....4.20		
<i>For Work In Restricted Working Space, Add</i>	0.98	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.01	
<i>For &gt;50 To 100, Deduct</i>	-0.19	
<i>For &gt;100 To 250, Deduct</i>	-0.37	
<i>For &gt;250 To 500, Deduct</i>	-0.72	
<i>For &gt;500, Deduct</i>	-1.07	
26 05 29 00-0194 EA 1-1/2", Two Hole Steel Conduit Strap .....4.24		
<i>For Work In Restricted Working Space, Add</i>	0.98	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.01	
<i>For &gt;50 To 100, Deduct</i>	-0.19	
<i>For &gt;100 To 250, Deduct</i>	-0.37	
<i>For &gt;250 To 500, Deduct</i>	-0.72	
<i>For &gt;500, Deduct</i>	-1.07	
26 05 29 00-0195 EA 2", Two Hole Steel Conduit Strap .....4.34		
<i>For Work In Restricted Working Space, Add</i>	0.98	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.01	
<i>For &gt;50 To 100, Deduct</i>	-0.19	
<i>For &gt;100 To 250, Deduct</i>	-0.38	
<i>For &gt;250 To 500, Deduct</i>	-0.73	
<i>For &gt;500, Deduct</i>	-1.08	
26 05 29 00-0196 EA 2-1/2", Two Hole Steel Conduit Strap .....4.92		
<i>For Work In Restricted Working Space, Add</i>	0.98	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.01	
<i>For &gt;50 To 100, Deduct</i>	-0.20	
<i>For &gt;100 To 250, Deduct</i>	-0.41	
<i>For &gt;250 To 500, Deduct</i>	-0.78	
<i>For &gt;500, Deduct</i>	-1.14	
26 05 29 00-0197 EA 3", Two Hole Steel Conduit Strap .....5.05		
<i>For Work In Restricted Working Space, Add</i>	0.98	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.01	
<i>For &gt;50 To 100, Deduct</i>	-0.21	
<i>For &gt;100 To 250, Deduct</i>	-0.42	
<i>For &gt;250 To 500, Deduct</i>	-0.79	
<i>For &gt;500, Deduct</i>	-1.16	
26 05 29 00-0198 EA 3-1/2", Two Hole Steel Conduit Strap .....5.50		
<i>For Work In Restricted Working Space, Add</i>	0.98	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.01	
<i>For &gt;50 To 100, Deduct</i>	-0.22	
<i>For &gt;100 To 250, Deduct</i>	-0.44	
<i>For &gt;250 To 500, Deduct</i>	-0.82	
<i>For &gt;500, Deduct</i>	-1.20	
26 05 29 00-0199 EA 4", Two Hole Steel Conduit Strap .....5.81		
<i>For Work In Restricted Working Space, Add</i>	0.98	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.01	
<i>For &gt;50 To 100, Deduct</i>	-0.23	
<i>For &gt;100 To 250, Deduct</i>	-0.45	
<i>For &gt;250 To 500, Deduct</i>	-0.84	
<i>For &gt;500, Deduct</i>	-1.23	
26 05 29 00-0200 EA 5", Two Hole Steel Conduit Strap .....6.23		
<i>For Work In Restricted Working Space, Add</i>	0.98	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.01	
<i>For &gt;50 To 100, Deduct</i>	-0.24	
<i>For &gt;100 To 250, Deduct</i>	-0.47	
<i>For &gt;250 To 500, Deduct</i>	-0.87	
<i>For &gt;500, Deduct</i>	-1.27	

**26 Electrical**

**26 05 Common Work Results for Electrical**

**26 05 29 Hangers and Supports for Electrical Systems**



MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 05 29 00-0201	<b>Clamp Back Spacers</b> <small>(26 05 29 00-0165)</small>		
26 05 29 00-0202	EA 1/2" Conduit, Clamp Back Spacer.....	3.39	
	<i>For Work In Restricted Working Space, Add</i>	0.68	
	<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.67	
	<i>For &gt;50 To 100, Deduct</i>	-0.14	
	<i>For &gt;100 To 250, Deduct</i>	-0.28	
	<i>For &gt;250 To 500, Deduct</i>	-0.54	
	<i>For &gt;500, Deduct</i>	-0.79	
26 05 29 00-0203	EA 3/4" Conduit, Clamp Back Spacer.....	3.77	
	<i>For Work In Restricted Working Space, Add</i>	0.68	
	<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.67	
	<i>For &gt;50 To 100, Deduct</i>	-0.15	
	<i>For &gt;100 To 250, Deduct</i>	-0.30	
	<i>For &gt;250 To 500, Deduct</i>	-0.57	
	<i>For &gt;500, Deduct</i>	-0.83	
26 05 29 00-0204	EA 1" Conduit, Clamp Back Spacer.....	4.13	
	<i>For Work In Restricted Working Space, Add</i>	0.68	
	<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.67	
	<i>For &gt;50 To 100, Deduct</i>	-0.16	
	<i>For &gt;100 To 250, Deduct</i>	-0.32	
	<i>For &gt;250 To 500, Deduct</i>	-0.59	
	<i>For &gt;500, Deduct</i>	-0.87	
26 05 29 00-0205	EA 1-1/4" Conduit, Clamp Back Spacer.....	5.51	
	<i>For Work In Restricted Working Space, Add</i>	0.68	
	<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.67	
	<i>For &gt;50 To 100, Deduct</i>	-0.19	
	<i>For &gt;100 To 250, Deduct</i>	-0.39	
	<i>For &gt;250 To 500, Deduct</i>	-0.70	
	<i>For &gt;500, Deduct</i>	-1.00	
26 05 29 00-0206	EA 1-1/2" Conduit, Clamp Back Spacer.....	6.63	
	<i>For Work In Restricted Working Space, Add</i>	0.68	
	<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.67	
	<i>For &gt;50 To 100, Deduct</i>	-0.22	
	<i>For &gt;100 To 250, Deduct</i>	-0.44	
	<i>For &gt;250 To 500, Deduct</i>	-0.78	
	<i>For &gt;500, Deduct</i>	-1.12	
26 05 29 00-0207	EA 2" Conduit, Clamp Back Spacer.....	7.80	
	<i>For Work In Restricted Working Space, Add</i>	0.68	
	<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.67	
	<i>For &gt;50 To 100, Deduct</i>	-0.25	
	<i>For &gt;100 To 250, Deduct</i>	-0.50	
	<i>For &gt;250 To 500, Deduct</i>	-0.87	
	<i>For &gt;500, Deduct</i>	-1.23	
26 05 29 00-0208	EA 2-1/2" Conduit, Clamp Back Spacer.....	12.56	
	<i>For Work In Restricted Working Space, Add</i>	0.68	
	<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.67	
	<i>For &gt;50 To 100, Deduct</i>	-0.37	
	<i>For &gt;100 To 250, Deduct</i>	-0.74	
	<i>For &gt;250 To 500, Deduct</i>	-1.22	
	<i>For &gt;500, Deduct</i>	-1.71	
26 05 29 00-0209	EA 3" Conduit, Clamp Back Spacer.....	18.24	
	<i>For Work In Restricted Working Space, Add</i>	0.68	
	<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.67	
	<i>For &gt;50 To 100, Deduct</i>	-0.51	
	<i>For &gt;100 To 250, Deduct</i>	-1.03	
	<i>For &gt;250 To 500, Deduct</i>	-1.65	
	<i>For &gt;500, Deduct</i>	-2.28	
26 05 29 00-0210	EA 3-1/2" Conduit, Clamp Back Spacer.....	23.76	
	<i>For Work In Restricted Working Space, Add</i>	0.68	
	<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.67	
	<i>For &gt;50 To 100, Deduct</i>	-0.65	
	<i>For &gt;100 To 250, Deduct</i>	-1.30	
	<i>For &gt;250 To 500, Deduct</i>	-2.06	
	<i>For &gt;500, Deduct</i>	-2.83	
26 05 29 00-0211	EA 4" Conduit, Clamp Back Spacer.....	49.68	
	<i>For Work In Restricted Working Space, Add</i>	0.68	
	<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.67	
	<i>For &gt;50 To 100, Deduct</i>	-1.30	
	<i>For &gt;100 To 250, Deduct</i>	-2.60	
	<i>For &gt;250 To 500, Deduct</i>	-4.01	
	<i>For &gt;500, Deduct</i>	-5.42	
26 05 29 00-0212	EA 5" Conduit, Clamp Back Spacer.....	93.43	
	<i>For Work In Restricted Working Space, Add</i>	0.68	
	<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.67	
	<i>For &gt;50 To 100, Deduct</i>	-2.39	
	<i>For &gt;100 To 250, Deduct</i>	-4.78	
	<i>For &gt;250 To 500, Deduct</i>	-7.29	
	<i>For &gt;500, Deduct</i>	-9.80	
26 05 29 00-0213	<b>Conduit Clips</b> <small>(26 05 29 00-0165)</small>		
	Note: Push in or clip.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0214 EA 1/2" Conduit Clip.....	4.05	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.82	
<i>For &gt;50 To 100, Deduct</i>	-0.17	
<i>For &gt;100 To 250, Deduct</i>	-0.35	
<i>For &gt;250 To 500, Deduct</i>	-0.67	
<i>For &gt;500, Deduct</i>	-0.98	
26 05 29 00-0215 EA 3/4" Conduit Clip.....	4.05	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.82	
<i>For &gt;50 To 100, Deduct</i>	-0.17	
<i>For &gt;100 To 250, Deduct</i>	-0.35	
<i>For &gt;250 To 500, Deduct</i>	-0.67	
<i>For &gt;500, Deduct</i>	-0.98	
26 05 29 00-0216 EA 1" Conduit Clip.....	3.96	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.82	
<i>For &gt;50 To 100, Deduct</i>	-0.17	
<i>For &gt;100 To 250, Deduct</i>	-0.34	
<i>For &gt;250 To 500, Deduct</i>	-0.66	
<i>For &gt;500, Deduct</i>	-0.97	
26 05 29 00-0217 EA 1-1/4" Conduit Clip.....	4.18	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.82	
<i>For &gt;50 To 100, Deduct</i>	-0.18	
<i>For &gt;100 To 250, Deduct</i>	-0.35	
<i>For &gt;250 To 500, Deduct</i>	-0.67	
<i>For &gt;500, Deduct</i>	-1.00	
<b>26 05 29 00-0218 Bolt And Nut Conduit Clips (26 05 29 00-0165)</b>		
26 05 29 00-0219 EA 3/4" Bolt And Nut Conduit Clip (Minerallac 1B).....	5.01	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.00	
<i>For &gt;50 To 100, Deduct</i>	-0.22	
<i>For &gt;100 To 250, Deduct</i>	-0.43	
<i>For &gt;250 To 500, Deduct</i>	-0.83	
<i>For &gt;500, Deduct</i>	-1.22	
26 05 29 00-0220 EA 1" Bolt And Nut Conduit Clip (Minerallac 2B).....	5.24	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.00	
<i>For &gt;50 To 100, Deduct</i>	-0.22	
<i>For &gt;100 To 250, Deduct</i>	-0.44	
<i>For &gt;250 To 500, Deduct</i>	-0.84	
<i>For &gt;500, Deduct</i>	-1.25	
26 05 29 00-0221 EA 1-1/4" Bolt And Nut Conduit Clip (Minerallac 2-1/2B).....	5.59	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.06	
<i>For &gt;50 To 100, Deduct</i>	-0.24	
<i>For &gt;100 To 250, Deduct</i>	-0.47	
<i>For &gt;250 To 500, Deduct</i>	-0.90	
<i>For &gt;500, Deduct</i>	-1.33	
26 05 29 00-0222 EA 1-1/2" Bolt And Nut Conduit Clip (Minerallac 3B).....	5.72	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.06	
<i>For &gt;50 To 100, Deduct</i>	-0.24	
<i>For &gt;100 To 250, Deduct</i>	-0.48	
<i>For &gt;250 To 500, Deduct</i>	-0.91	
<i>For &gt;500, Deduct</i>	-1.34	
26 05 29 00-0223 EA 2" Bolt And Nut Conduit Clip (Minerallac 5B).....	6.57	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.06	
<i>For &gt;50 To 100, Deduct</i>	-0.26	
<i>For &gt;100 To 250, Deduct</i>	-0.52	
<i>For &gt;250 To 500, Deduct</i>	-0.97	
<i>For &gt;500, Deduct</i>	-1.43	
26 05 29 00-0224 EA 2-1/2" Bolt And Nut Conduit Clip (Minerallac 6B).....	7.16	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.12	
<i>For &gt;50 To 100, Deduct</i>	-0.28	
<i>For &gt;100 To 250, Deduct</i>	-0.56	
<i>For &gt;250 To 500, Deduct</i>	-1.04	
<i>For &gt;500, Deduct</i>	-1.53	
26 05 29 00-0225 EA 3" Bolt And Nut Conduit Clip (Minerallac 7B).....	7.91	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.12	
<i>For &gt;50 To 100, Deduct</i>	-0.30	
<i>For &gt;100 To 250, Deduct</i>	-0.60	
<i>For &gt;250 To 500, Deduct</i>	-1.10	
<i>For &gt;500, Deduct</i>	-1.60	
26 05 29 00-0226 EA 4" Bolt And Nut Conduit Clip (Minerallac 9B).....	15.51	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.23	
<i>For &gt;50 To 100, Deduct</i>	-0.50	
<i>For &gt;100 To 250, Deduct</i>	-1.00	
<i>For &gt;250 To 500, Deduct</i>	-1.73	
<i>For &gt;500, Deduct</i>	-2.45	
<b>26 05 29 00-0227 Conduit Hanger From Flange, Wire Or Rod (26 05 29 00-0165)</b>		
Note: Bat wing.		
26 05 29 00-0228 EA 1/2", Conduit Hanger From Flange, Wire Or Rod.....	2.89	
<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	0.64	
<i>For &gt;50 To 100, Deduct</i>	-0.13	
<i>For &gt;100 To 250, Deduct</i>	-0.25	
<i>For &gt;250 To 500, Deduct</i>	-0.49	
<i>For &gt;500, Deduct</i>	-0.72	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 29 Hangers and Supports for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0229 EA 3/4", Conduit Hanger From Flange, Wire Or Rod .....	2.95	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.64	
For >50 To 100, Deduct	-0.13	
For >100 To 250, Deduct	-0.26	
For >250 To 500, Deduct	-0.49	
For >500, Deduct	-0.73	
26 05 29 00-0230 EA 1", Conduit Hanger From Flange, Wire Or Rod .....	3.12	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.64	
For >50 To 100, Deduct	-0.13	
For >100 To 250, Deduct	-0.26	
For >250 To 500, Deduct	-0.51	
For >500, Deduct	-0.75	
26 05 29 00-0231 EA 1-1/4", Conduit Hanger From Flange, Wire Or Rod .....	3.55	
For Installation On Concrete (Includes Drilling And Fastener), Add	0.64	
For >50 To 100, Deduct	-0.14	
For >100 To 250, Deduct	-0.29	
For >250 To 500, Deduct	-0.54	
For >500, Deduct	-0.79	
<b>26 05 29 00-0232 Beam Flange Clamps</b> (26 05 29 00-0165)		
Note: For threaded rod, nut not required.		
26 05 29 00-0233 EA 1/8" To 1/4" Flange Thickness, Beam Clamp (Caddy 6TA24) .....	4.66	
For >50 To 100, Deduct	-0.17	
For >100 To 250, Deduct	-0.35	
For >250 To 500, Deduct	-0.63	
For >500, Deduct	-0.92	
26 05 29 00-0234 EA 5/16" To 1/2" Flange Thickness, Beam Clamp (Caddy 6TA58) .....	4.55	
For >50 To 100, Deduct	-0.17	
For >100 To 250, Deduct	-0.34	
For >250 To 500, Deduct	-0.62	
For >500, Deduct	-0.91	
26 05 29 00-0235 EA 9/16" To 3/4" Flange Thickness, Beam Clamp (Caddy 6TA912) .....	5.21	
For >50 To 100, Deduct	-0.19	
For >100 To 250, Deduct	-0.37	
For >250 To 500, Deduct	-0.67	
For >500, Deduct	-0.97	
<b>26 05 29 00-0236 T-Bar Support Clips</b> (26 05 29 00-0165)		
26 05 29 00-0237 EA 9/16" Grid Size, Independent T-Bar Support Clip (Caddy IDS95) .....	7.42	
For >50 To 100, Deduct	-0.30	
For >100 To 250, Deduct	-0.60	
For >250 To 500, Deduct	-1.12	
For >500, Deduct	-1.64	
26 05 29 00-0238 EA 15/16" Grid Size, Independent T-Bar Support Clip (Caddy IDS) .....	6.91	
For >50 To 100, Deduct	-0.29	
For >100 To 250, Deduct	-0.57	
For >250 To 500, Deduct	-1.08	
For >500, Deduct	-1.59	
26 05 29 00-0239 EA 15/16 Grid Size, Twist On T-Bar Support Clip (Caddy 4G16) .....	2.91	
For >50 To 100, Deduct	-0.10	
For >100 To 250, Deduct	-0.20	
For >250 To 500, Deduct	-0.36	
For >500, Deduct	-0.52	
26 05 29 00-0240 EA 24" Long Snap On T-Bar Electrical Box Hanger (Caddy 512) .....	27.46	
For >50 To 100, Deduct	-0.73	
For >100 To 250, Deduct	-1.46	
For >250 To 500, Deduct	-2.29	
For >500, Deduct	-3.11	
<b>26 05 29 00-0241 Switch And Outlet Box Type Supports</b> (26 05 29 00-0165)		
26 05 29 00-0242 EA 1/4" To 3/4" Drywall Thickness, Adjustable Switch And Outlet Box Support (Caddy MFS) .....	6.19	
For >50 To 100, Deduct	-0.20	
For >100 To 250, Deduct	-0.40	
For >250 To 500, Deduct	-0.69	
For >500, Deduct	-0.98	
26 05 29 00-0243 EA 1/2" Drywall Thickness, Riveted Switch And Outlet Box Support (Caddy MF500) .....	5.11	
For >50 To 100, Deduct	-0.17	
For >100 To 250, Deduct	-0.35	
For >250 To 500, Deduct	-0.61	
For >500, Deduct	-0.87	
26 05 29 00-0244 EA Flush, Riveted Switch And Outlet Box Support (Caddy MFO) .....	6.04	
For >50 To 100, Deduct	-0.20	
For >100 To 250, Deduct	-0.39	
For >250 To 500, Deduct	-0.68	
For >500, Deduct	-0.97	
26 05 29 00-0245 EA Snap On, Switch And Outlet Box Support (Caddy MSF) .....	3.57	
For >50 To 100, Deduct	-0.13	
For >100 To 250, Deduct	-0.27	
For >250 To 500, Deduct	-0.49	
For >500, Deduct	-0.72	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0246 EA 1/4-20 Thread Impression, Switch And Outlet Box Support (Caddy MFI).....	3.77	
<i>For &gt;50 To 100, Deduct</i>	-0.14	
<i>For &gt;100 To 250, Deduct</i>	-0.28	
<i>For &gt;250 To 500, Deduct</i>	-0.51	
<i>For &gt;500, Deduct</i>	-0.74	
<b>26 05 29 00-0247 Lighting Fixture Hanger</b> <small>(26 05 29 00-0165)</small>		
Note: For existing or owner furnished fixtures.		
26 05 29 00-0248 EA Lay-In/Troffer, Straight Lip Type Fixture Support Clip (Caddy 515).....	4.66	
<i>For &gt;50 To 100, Deduct</i>	-0.21	
<i>For &gt;100 To 250, Deduct</i>	-0.41	
<i>For &gt;250 To 500, Deduct</i>	-0.80	
<i>For &gt;500, Deduct</i>	-1.19	
26 05 29 00-0249 PR Support Bars For Recessed "High Hat" Light Fixtures (Caddy 517).....	20.67	
<i>For &gt;50 To 100, Deduct</i>	-0.61	
<i>For &gt;100 To 250, Deduct</i>	-1.21	
<i>For &gt;250 To 500, Deduct</i>	-2.00	
<i>For &gt;500, Deduct</i>	-2.79	
26 05 29 00-0250 PR Support Bars For Recessed "Lightolier" Light Fixtures (Caddy 520).....	29.08	
<i>For &gt;50 To 100, Deduct</i>	-0.82	
<i>For &gt;100 To 250, Deduct</i>	-1.63	
<i>For &gt;250 To 500, Deduct</i>	-2.63	
<i>For &gt;500, Deduct</i>	-3.63	
<b>26 05 29 00-0251 Rigid Steel Conduit Clamps For Unistrut Channel</b> <small>(26 05 29 00-0165)</small>		
26 05 29 00-0252 EA 1/2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel.....	4.47	
<i>For &gt;50 To 100, Deduct</i>	-0.18	
<i>For &gt;100 To 250, Deduct</i>	-0.36	
<i>For &gt;250 To 500, Deduct</i>	-0.67	
<i>For &gt;500, Deduct</i>	-0.99	
<i>For Work In Restricted Working Space, Add</i>	0.81	
26 05 29 00-0253 EA 3/4" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel.....	4.50	
<i>For &gt;50 To 100, Deduct</i>	-0.18	
<i>For &gt;100 To 250, Deduct</i>	-0.36	
<i>For &gt;250 To 500, Deduct</i>	-0.68	
<i>For &gt;500, Deduct</i>	-0.99	
<i>For Work In Restricted Working Space, Add</i>	0.81	
26 05 29 00-0254 EA 1" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel.....	4.64	
<i>For &gt;50 To 100, Deduct</i>	-0.18	
<i>For &gt;100 To 250, Deduct</i>	-0.37	
<i>For &gt;250 To 500, Deduct</i>	-0.69	
<i>For &gt;500, Deduct</i>	-1.01	
<i>For Work In Restricted Working Space, Add</i>	0.81	
26 05 29 00-0255 EA 1-1/4" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel.....	5.73	
<i>For &gt;50 To 100, Deduct</i>	-0.23	
<i>For &gt;100 To 250, Deduct</i>	-0.47	
<i>For &gt;250 To 500, Deduct</i>	-0.88	
<i>For &gt;500, Deduct</i>	-1.30	
<i>For Work In Restricted Working Space, Add</i>	1.08	
26 05 29 00-0256 EA 1-1/2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel.....	6.45	
<i>For &gt;50 To 100, Deduct</i>	-0.25	
<i>For &gt;100 To 250, Deduct</i>	-0.50	
<i>For &gt;250 To 500, Deduct</i>	-0.94	
<i>For &gt;500, Deduct</i>	-1.37	
<i>For Work In Restricted Working Space, Add</i>	1.08	
26 05 29 00-0257 EA 2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel.....	6.52	
<i>For &gt;50 To 100, Deduct</i>	-0.25	
<i>For &gt;100 To 250, Deduct</i>	-0.51	
<i>For &gt;250 To 500, Deduct</i>	-0.94	
<i>For &gt;500, Deduct</i>	-1.37	
<i>For Work In Restricted Working Space, Add</i>	1.08	
26 05 29 00-0258 EA 2-1/2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel.....	7.94	
<i>For &gt;50 To 100, Deduct</i>	-0.31	
<i>For &gt;100 To 250, Deduct</i>	-0.62	
<i>For &gt;250 To 500, Deduct</i>	-1.16	
<i>For &gt;500, Deduct</i>	-1.70	
<i>For Work In Restricted Working Space, Add</i>	1.35	
26 05 29 00-0259 EA 3" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel.....	8.57	
<i>For &gt;50 To 100, Deduct</i>	-0.33	
<i>For &gt;100 To 250, Deduct</i>	-0.65	
<i>For &gt;250 To 500, Deduct</i>	-1.21	
<i>For &gt;500, Deduct</i>	-1.76	
<i>For Work In Restricted Working Space, Add</i>	1.35	
26 05 29 00-0260 EA 3-1/2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel.....	9.18	
<i>For &gt;50 To 100, Deduct</i>	-0.34	
<i>For &gt;100 To 250, Deduct</i>	-0.68	
<i>For &gt;250 To 500, Deduct</i>	-1.25	
<i>For &gt;500, Deduct</i>	-1.82	
<i>For Work In Restricted Working Space, Add</i>	1.35	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 29 Hangers and Supports for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0261	EA		4" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel.....	9.40	
			<i>For &gt;50 To 100, Deduct</i>	-0.35	
			<i>For &gt;100 To 250, Deduct</i>	-0.70	
			<i>For &gt;250 To 500, Deduct</i>	-1.27	
			<i>For &gt;500, Deduct</i>	-1.84	
			<i>For Work In Restricted Working Space, Add</i>	1.35	
<b>26 05 29 00-0262</b>			<b>Electrical Metallic Tubing (EMT) Conduit Clamps For Unistrut Channel</b> <small>(26 05 29 00-0165)</small>		
26 05 29 00-0263	EA		1/2" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel.....	4.94	
			<i>For &gt;50 To 100, Deduct</i>	-0.19	
			<i>For &gt;100 To 250, Deduct</i>	-0.38	
			<i>For &gt;250 To 500, Deduct</i>	-0.71	
			<i>For &gt;500, Deduct</i>	-1.04	
			<i>For Work In Restricted Working Space, Add</i>	0.81	
26 05 29 00-0264	EA		3/4" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel.....	4.88	
			<i>For &gt;50 To 100, Deduct</i>	-0.19	
			<i>For &gt;100 To 250, Deduct</i>	-0.38	
			<i>For &gt;250 To 500, Deduct</i>	-0.70	
			<i>For &gt;500, Deduct</i>	-1.03	
			<i>For Work In Restricted Working Space, Add</i>	0.81	
26 05 29 00-0265	EA		1" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel.....	4.81	
			<i>For &gt;50 To 100, Deduct</i>	-0.19	
			<i>For &gt;100 To 250, Deduct</i>	-0.38	
			<i>For &gt;250 To 500, Deduct</i>	-0.70	
			<i>For &gt;500, Deduct</i>	-1.02	
			<i>For Work In Restricted Working Space, Add</i>	0.81	
26 05 29 00-0266	EA		1-1/4" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel.....	6.30	
			<i>For &gt;50 To 100, Deduct</i>	-0.25	
			<i>For &gt;100 To 250, Deduct</i>	-0.50	
			<i>For &gt;250 To 500, Deduct</i>	-0.92	
			<i>For &gt;500, Deduct</i>	-1.35	
			<i>For Work In Restricted Working Space, Add</i>	1.08	
26 05 29 00-0267	EA		1-1/2" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel.....	7.55	
			<i>For &gt;50 To 100, Deduct</i>	-0.28	
			<i>For &gt;100 To 250, Deduct</i>	-0.56	
			<i>For &gt;250 To 500, Deduct</i>	-1.02	
			<i>For &gt;500, Deduct</i>	-1.48	
			<i>For Work In Restricted Working Space, Add</i>	1.08	
26 05 29 00-0268	EA		2" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel.....	7.62	
			<i>For &gt;50 To 100, Deduct</i>	-0.28	
			<i>For &gt;100 To 250, Deduct</i>	-0.56	
			<i>For &gt;250 To 500, Deduct</i>	-1.02	
			<i>For &gt;500, Deduct</i>	-1.48	
			<i>For Work In Restricted Working Space, Add</i>	1.08	
<b>26 05 29 00-0269</b>			<b>"J" Type Conduit Hangers</b> <small>(26 05 29 00-0165)</small>		
26 05 29 00-0270	EA		1/2", "J" Type Conduit Hanger (Unistrut J1205).....	23.97	
			<i>For &gt;50 To 100, Deduct</i>	-0.76	
			<i>For &gt;100 To 250, Deduct</i>	-1.51	
			<i>For &gt;250 To 500, Deduct</i>	-2.59	
			<i>For &gt;500, Deduct</i>	-3.66	
			<i>For Work In Restricted Working Space, Add</i>	1.90	
26 05 29 00-0271	EA		3/4", "J" Type Conduit Hanger (Unistrut J1207).....	24.28	
			<i>For &gt;50 To 100, Deduct</i>	-0.77	
			<i>For &gt;100 To 250, Deduct</i>	-1.53	
			<i>For &gt;250 To 500, Deduct</i>	-2.61	
			<i>For &gt;500, Deduct</i>	-3.69	
			<i>For Work In Restricted Working Space, Add</i>	1.90	
26 05 29 00-0272	EA		1", "J" Type Conduit Hanger (Unistrut J1210).....	25.47	
			<i>For &gt;50 To 100, Deduct</i>	-0.82	
			<i>For &gt;100 To 250, Deduct</i>	-1.63	
			<i>For &gt;250 To 500, Deduct</i>	-2.81	
			<i>For &gt;500, Deduct</i>	-3.99	
			<i>For Work In Restricted Working Space, Add</i>	2.17	
26 05 29 00-0273	EA		1-1/4", "J" Type Conduit Hanger (Unistrut J1212).....	25.80	
			<i>For &gt;50 To 100, Deduct</i>	-0.83	
			<i>For &gt;100 To 250, Deduct</i>	-1.65	
			<i>For &gt;250 To 500, Deduct</i>	-2.84	
			<i>For &gt;500, Deduct</i>	-4.02	
			<i>For Work In Restricted Working Space, Add</i>	2.17	
26 05 29 00-0274	EA		1-1/2", "J" Type Conduit Hanger (Unistrut J1215).....	26.92	
			<i>For &gt;50 To 100, Deduct</i>	-0.88	
			<i>For &gt;100 To 250, Deduct</i>	-1.75	
			<i>For &gt;250 To 500, Deduct</i>	-3.03	
			<i>For &gt;500, Deduct</i>	-4.32	
			<i>For Work In Restricted Working Space, Add</i>	2.44	
26 05 29 00-0275	EA		2", "J" Type Conduit Hanger (Unistrut J1220).....	28.17	
			<i>For &gt;50 To 100, Deduct</i>	-0.91	
			<i>For &gt;100 To 250, Deduct</i>	-1.81	
			<i>For &gt;250 To 500, Deduct</i>	-3.13	
			<i>For &gt;500, Deduct</i>	-4.44	
			<i>For Work In Restricted Working Space, Add</i>	2.44	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0276 EA 2-1/2", "J" Type Conduit Hanger (Unistrut J1225) .....	47.01	
<i>For &gt;50 To 100, Deduct</i>	-1.40	
<i>For &gt;100 To 250, Deduct</i>	-2.80	
<i>For &gt;250 To 500, Deduct</i>	-4.66	
<i>For &gt;500, Deduct</i>	-6.51	
<i>For Work In Restricted Working Space, Add</i>	2.71	
26 05 29 00-0277 EA 3", "J" Type Conduit Hanger (Unistrut J1230).....	49.80	
<i>For &gt;50 To 100, Deduct</i>	-1.49	
<i>For &gt;100 To 250, Deduct</i>	-2.99	
<i>For &gt;250 To 500, Deduct</i>	-4.98	
<i>For &gt;500, Deduct</i>	-6.97	
<i>For Work In Restricted Working Space, Add</i>	2.98	
26 05 29 00-0278 EA 3-1/2", "J" Type Conduit Hanger (Unistrut J1235) .....	53.54	
<i>For &gt;50 To 100, Deduct</i>	-1.61	
<i>For &gt;100 To 250, Deduct</i>	-3.22	
<i>For &gt;250 To 500, Deduct</i>	-5.37	
<i>For &gt;500, Deduct</i>	-7.52	
<i>For Work In Restricted Working Space, Add</i>	3.25	
26 05 29 00-0279 EA 4", "J" Type Conduit Hanger (Unistrut J1240).....	72.98	
<i>For &gt;50 To 100, Deduct</i>	-2.10	
<i>For &gt;100 To 250, Deduct</i>	-4.19	
<i>For &gt;250 To 500, Deduct</i>	-6.83	
<i>For &gt;500, Deduct</i>	-9.47	
<i>For Work In Restricted Working Space, Add</i>	3.25	
26 05 29 00-0280 EA 5", "J" Type Conduit Hanger (Unistrut J1250).....	80.26	
<i>For &gt;50 To 100, Deduct</i>	-2.30	
<i>For &gt;100 To 250, Deduct</i>	-4.60	
<i>For &gt;250 To 500, Deduct</i>	-7.49	
<i>For &gt;500, Deduct</i>	-10.37	
<i>For Work In Restricted Working Space, Add</i>	3.52	
26 05 29 00-0281 EA 6", "J" Type Conduit Hanger (Unistrut J1260).....	114.65	
<i>For &gt;50 To 100, Deduct</i>	-3.21	
<i>For &gt;100 To 250, Deduct</i>	-6.41	
<i>For &gt;250 To 500, Deduct</i>	-10.29	
<i>For &gt;500, Deduct</i>	-14.18	
<i>For Work In Restricted Working Space, Add</i>	4.07	
<b>26 05 29 00-0282 Between Studs Box Brackets</b> <small>(26 05 29 00-0165)</small>		
26 05 29 00-0283 EA 16" Stud Spacing, 1-1/2" Or 2-1/8" Box Depth, Screw Gun Between Studs Box Bracket (Caddy SGB16A) .....	8.43	
<i>For &gt;50 To 100, Deduct</i>	-0.28	
<i>For &gt;100 To 250, Deduct</i>	-0.56	
<i>For &gt;250 To 500, Deduct</i>	-0.97	
<i>For &gt;500, Deduct</i>	-1.39	
<i>For Work In Restricted Working Space, Add</i>	0.81	
26 05 29 00-0284 EA 24" Stud Spacing, 1-1/2" Or 2-1/8" Box Depth, Screw Gun Between Studs Box Bracket (Caddy SGB24A) .....	10.41	
<i>For &gt;50 To 100, Deduct</i>	-0.33	
<i>For &gt;100 To 250, Deduct</i>	-0.66	
<i>For &gt;250 To 500, Deduct</i>	-1.12	
<i>For &gt;500, Deduct</i>	-1.58	
<i>For Work In Restricted Working Space, Add</i>	0.81	
<b>26 05 29 00-0285 Hangers And Brackets</b> <small>(26 05 29 00-0165)</small>		
26 05 29 00-0286 EA Rod Hangers Only With 1/4" Thread Impression (Caddy 4TI) .....	2.56	
<i>For &gt;50 To 100, Deduct</i>	-0.11	
<i>For &gt;100 To 250, Deduct</i>	-0.22	
<i>For &gt;250 To 500, Deduct</i>	-0.42	
<i>For &gt;500, Deduct</i>	-0.62	
26 05 29 00-0287 EA Angle Bracket Only With 1/4" Hole (Caddy AB).....	2.45	
<i>For &gt;50 To 100, Deduct</i>	-0.11	
<i>For &gt;100 To 250, Deduct</i>	-0.21	
<i>For &gt;250 To 500, Deduct</i>	-0.41	
<i>For &gt;500, Deduct</i>	-0.61	
26 05 29 00-0288 EA Offset Bracket Only With 1/4" Hole (Caddy AO).....	2.45	
<i>For &gt;50 To 100, Deduct</i>	-0.11	
<i>For &gt;100 To 250, Deduct</i>	-0.21	
<i>For &gt;250 To 500, Deduct</i>	-0.41	
<i>For &gt;500, Deduct</i>	-0.61	
26 05 29 00-0289 EA Angle Bracket Mount, 1/4" Threaded Rod Hanger With Thread Impression (Caddy 4TIB).....	3.64	
<i>For &gt;50 To 100, Deduct</i>	-0.14	
<i>For &gt;100 To 250, Deduct</i>	-0.27	
<i>For &gt;250 To 500, Deduct</i>	-0.50	
<i>For &gt;500, Deduct</i>	-0.73	
26 05 29 00-0290 EA Angle Bracket Mount, 3/8" Threaded Rod Hanger With Thread Impression (Caddy 6TIB).....	3.66	
<i>For &gt;50 To 100, Deduct</i>	-0.14	
<i>For &gt;100 To 250, Deduct</i>	-0.27	
<i>For &gt;250 To 500, Deduct</i>	-0.50	
<i>For &gt;500, Deduct</i>	-0.73	
26 05 29 00-0291 EA Angle Bracket Mount, 1/4" Or 3/8" Threaded Rod Hanger With Nut (Caddy 6TB).....	3.53	
<i>For &gt;50 To 100, Deduct</i>	-0.13	
<i>For &gt;100 To 250, Deduct</i>	-0.27	
<i>For &gt;250 To 500, Deduct</i>	-0.49	
<i>For &gt;500, Deduct</i>	-0.72	

**26 Electrical**  
**26 05 Common Work Results for Electrical**  
**26 05 29 Hangers and Supports for Electrical Systems**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0292	EA		Offset Bracket Mount, 1/4" Threaded Rod Hanger With Thread Impression (Caddy 4TIO).....	3.64	
			<i>For &gt;50 To 100, Deduct</i>	-0.14	
			<i>For &gt;100 To 250, Deduct</i>	-0.27	
			<i>For &gt;250 To 500, Deduct</i>	-0.50	
			<i>For &gt;500, Deduct</i>	-0.73	
26 05 29 00-0293	EA		Offset Bracket Mount, 3/8" Threaded Rod Hanger With Thread Impression (Caddy 6TIO).....	3.66	
			<i>For &gt;50 To 100, Deduct</i>	-0.14	
			<i>For &gt;100 To 250, Deduct</i>	-0.27	
			<i>For &gt;250 To 500, Deduct</i>	-0.50	
			<i>For &gt;500, Deduct</i>	-0.73	
<b>26 05 29 00-0294</b>			<b>Clips And Accessories <small>(26 05 29 00-0165)</small></b>		
26 05 29 00-0295	EA		1/2" Diameter Center, Bridle Ring (Caddy 2BR).....	1.79	
			<i>For &gt;50 To 100, Deduct</i>	-0.07	
			<i>For &gt;100 To 250, Deduct</i>	-0.15	
			<i>For &gt;250 To 500, Deduct</i>	-0.28	
			<i>For &gt;500, Deduct</i>	-0.41	
26 05 29 00-0296	EA		3/4" Diameter Center, Bridle Ring (Caddy 2BR12).....	1.83	
			<i>For &gt;50 To 100, Deduct</i>	-0.07	
			<i>For &gt;100 To 250, Deduct</i>	-0.15	
			<i>For &gt;250 To 500, Deduct</i>	-0.28	
			<i>For &gt;500, Deduct</i>	-0.41	
26 05 29 00-0297	EA		1-1/4" Diameter Center, Bridle Ring (Caddy 2BR20).....	2.01	
			<i>For &gt;50 To 100, Deduct</i>	-0.08	
			<i>For &gt;100 To 250, Deduct</i>	-0.16	
			<i>For &gt;250 To 500, Deduct</i>	-0.29	
			<i>For &gt;500, Deduct</i>	-0.43	
26 05 29 00-0298	EA		2" Diameter Center, Bridle Ring (Caddy 2BR32).....	2.38	
			<i>For &gt;50 To 100, Deduct</i>	-0.09	
			<i>For &gt;100 To 250, Deduct</i>	-0.18	
			<i>For &gt;250 To 500, Deduct</i>	-0.32	
			<i>For &gt;500, Deduct</i>	-0.46	
<b>26 05 29 00-0299</b>			<b>Wire Ties <small>(26 05 29 00-0165)</small></b>		
			Note: Per hundred (C).		
26 05 29 00-0300	C		3" Length, 18 LB Tensile Strength, Nylon Cable Ties.....	24.54	
			<i>For Up To 0.1, Add</i>	18.86	
			<i>For &gt;0.1 To 0.25, Add</i>	9.43	
			<i>For &gt;0.25 To 0.75, Add</i>	4.72	
			<i>For &gt;2.0, Deduct</i>	-1.89	
			<i>For UV Black, Add</i>	0.85	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.66	
26 05 29 00-0301	C		4" Length, 18 LB Tensile Strength, Nylon Cable Ties.....	24.76	
			<i>For Up To 0.1, Add</i>	18.86	
			<i>For &gt;0.1 To 0.25, Add</i>	9.43	
			<i>For &gt;0.25 To 0.75, Add</i>	4.72	
			<i>For &gt;2.0, Deduct</i>	-1.89	
			<i>For UV Black, Add</i>	0.89	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.66	
26 05 29 00-0302	C		4-3/4" Length, 18 LB Tensile Strength, Nylon Cable Ties.....	24.91	
			<i>For Up To 0.1, Add</i>	18.86	
			<i>For &gt;0.1 To 0.25, Add</i>	9.43	
			<i>For &gt;0.25 To 0.75, Add</i>	4.72	
			<i>For &gt;2.0, Deduct</i>	-1.89	
			<i>For UV Black, Add</i>	0.91	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.66	
26 05 29 00-0303	C		5-1/2" Length, 18 LB Tensile Strength, Nylon Cable Ties.....	24.98	
			<i>For Up To 0.1, Add</i>	18.86	
			<i>For &gt;0.1 To 0.25, Add</i>	9.43	
			<i>For &gt;0.25 To 0.75, Add</i>	4.72	
			<i>For &gt;2.0, Deduct</i>	-1.89	
			<i>For UV Black, Add</i>	0.92	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.66	
26 05 29 00-0304	C		6-1/2" Length, 18 LB Tensile Strength, Nylon Cable Ties.....	25.87	
			<i>For Up To 0.1, Add</i>	19.68	
			<i>For &gt;0.1 To 0.25, Add</i>	9.84	
			<i>For &gt;0.25 To 0.75, Add</i>	4.92	
			<i>For &gt;2.0, Deduct</i>	-1.97	
			<i>For UV Black, Add</i>	0.93	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.90	
26 05 29 00-0305	C		8" Length, 18 LB Tensile Strength, Nylon Cable Ties.....	31.56	
			<i>For Up To 0.1, Add</i>	20.58	
			<i>For &gt;0.1 To 0.25, Add</i>	10.29	
			<i>For &gt;0.25 To 0.75, Add</i>	5.15	
			<i>For &gt;2.0, Deduct</i>	-2.06	
			<i>For UV Black, Add</i>	1.65	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.17	
26 05 29 00-0306	C		4-3/4" Length, 40 LB Tensile Strength, Nylon Cable Ties.....	30.64	
			<i>For Up To 0.1, Add</i>	18.86	
			<i>For &gt;0.1 To 0.25, Add</i>	9.43	
			<i>For &gt;0.25 To 0.75, Add</i>	4.72	
			<i>For &gt;2.0, Deduct</i>	-1.89	
			<i>For UV Black, Add</i>	1.77	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.66	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0307 C 6" Length, 40 LB Tensile Strength, Nylon Cable Ties.....	31.54	
<i>For Up To 0.1, Add</i>	19.68	
<i>For &gt;0.1 To 0.25, Add</i>	9.84	
<i>For &gt;0.25 To 0.75, Add</i>	4.92	
<i>For &gt;2.0, Deduct</i>	-1.97	
<i>For UV Black, Add</i>	1.78	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.90	
26 05 29 00-0308 C 8" Length, 40 LB Tensile Strength, Nylon Cable Ties.....	32.51	
<i>For Up To 0.1, Add</i>	20.58	
<i>For &gt;0.1 To 0.25, Add</i>	10.29	
<i>For &gt;0.25 To 0.75, Add</i>	5.15	
<i>For &gt;2.0, Deduct</i>	-2.06	
<i>For UV Black, Add</i>	1.79	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.17	
26 05 29 00-0309 C 10" Length, 40 LB Tensile Strength, Nylon Cable Ties.....	49.69	
<i>For Up To 0.1, Add</i>	22.18	
<i>For &gt;0.1 To 0.25, Add</i>	11.09	
<i>For &gt;0.25 To 0.75, Add</i>	5.55	
<i>For &gt;2.0, Deduct</i>	-2.22	
<i>For UV Black, Add</i>	4.13	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.65	
26 05 29 00-0310 C 11-1/2" Length, 40 LB Tensile Strength, Nylon Cable Ties.....	52.18	
<i>For Up To 0.1, Add</i>	22.18	
<i>For &gt;0.1 To 0.25, Add</i>	11.09	
<i>For &gt;0.25 To 0.75, Add</i>	5.55	
<i>For &gt;2.0, Deduct</i>	-2.22	
<i>For UV Black, Add</i>	4.50	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.65	
26 05 29 00-0311 C 7" Length, 50 LB Tensile Strength, Nylon Cable Ties.....	34.25	
<i>For Up To 0.1, Add</i>	20.58	
<i>For &gt;0.1 To 0.25, Add</i>	10.29	
<i>For &gt;0.25 To 0.75, Add</i>	5.15	
<i>For &gt;2.0, Deduct</i>	-2.06	
<i>For UV Black, Add</i>	2.05	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.17	
26 05 29 00-0312 C 8" Length, 50 LB Tensile Strength, Nylon Cable Ties.....	32.05	
<i>For Up To 0.1, Add</i>	20.58	
<i>For &gt;0.1 To 0.25, Add</i>	10.29	
<i>For &gt;0.25 To 0.75, Add</i>	5.15	
<i>For &gt;2.0, Deduct</i>	-2.06	
<i>For UV Black, Add</i>	1.72	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.17	
26 05 29 00-0313 C 11" Length, 50 LB Tensile Strength, Nylon Cable Ties.....	50.38	
<i>For Up To 0.1, Add</i>	22.18	
<i>For &gt;0.1 To 0.25, Add</i>	11.09	
<i>For &gt;0.25 To 0.75, Add</i>	5.55	
<i>For &gt;2.0, Deduct</i>	-2.22	
<i>For UV Black, Add</i>	4.23	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.65	
26 05 29 00-0314 C 14-1/2" Length, 50 LB Tensile Strength, Nylon Cable Ties.....	58.24	
<i>For Up To 0.1, Add</i>	23.57	
<i>For &gt;0.1 To 0.25, Add</i>	11.79	
<i>For &gt;0.25 To 0.75, Add</i>	5.89	
<i>For &gt;2.0, Deduct</i>	-2.36	
<i>For UV Black, Add</i>	5.20	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.07	
26 05 29 00-0315 C 8" Length, 120 LB Tensile Strength, Nylon Cable Ties.....	57.78	
<i>For Up To 0.1, Add</i>	20.58	
<i>For &gt;0.1 To 0.25, Add</i>	10.29	
<i>For &gt;0.25 To 0.75, Add</i>	5.15	
<i>For &gt;2.0, Deduct</i>	-2.06	
<i>For UV Black, Add</i>	5.58	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.17	
26 05 29 00-0316 C 11" Length, 120 LB Tensile Strength, Nylon Cable Ties.....	63.36	
<i>For Up To 0.1, Add</i>	22.18	
<i>For &gt;0.1 To 0.25, Add</i>	11.09	
<i>For &gt;0.25 To 0.75, Add</i>	5.55	
<i>For &gt;2.0, Deduct</i>	-2.22	
<i>For UV Black, Add</i>	6.18	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.65	
26 05 29 00-0317 C 15" Length, 120 LB Tensile Strength, Nylon Cable Ties.....	77.74	
<i>For Up To 0.1, Add</i>	23.57	
<i>For &gt;0.1 To 0.25, Add</i>	11.79	
<i>For &gt;0.25 To 0.75, Add</i>	5.89	
<i>For &gt;2.0, Deduct</i>	-2.36	
<i>For UV Black, Add</i>	8.13	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.07	
26 05 29 00-0318 C 17" Length, 120 LB Tensile Strength, Nylon Cable Ties.....	113.90	
<i>For Up To 0.1, Add</i>	25.15	
<i>For &gt;0.1 To 0.25, Add</i>	12.58	
<i>For &gt;0.25 To 0.75, Add</i>	6.29	
<i>For &gt;2.0, Deduct</i>	-2.52	
<i>For UV Black, Add</i>	13.31	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.55	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 29 Hangers and Supports for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0319 C 17-3/4" Length, 175 LB Tensile Strength, Nylon Cable Ties.....	110.11	
For Up To 0.1, Add	25.15	
For >0.1 To 0.25, Add	12.58	
For >0.25 To 0.75, Add	6.29	
For >2.0, Deduct	-2.52	
For UV Black, Add	12.74	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.55	
26 05 29 00-0320 C 21-11/16" Length, 175 LB Tensile Strength, Nylon Cable Ties.....	135.49	
For Up To 0.1, Add	26.32	
For >0.1 To 0.25, Add	13.16	
For >0.25 To 0.75, Add	6.58	
For >2.0, Deduct	-2.63	
For UV Black, Add	16.38	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.90	
26 05 29 00-0321 C 30" Length, 175 LB Tensile Strength, Nylon Cable Ties.....	157.73	
For Up To 0.1, Add	27.60	
For >0.1 To 0.25, Add	13.80	
For >0.25 To 0.75, Add	6.90	
For >2.0, Deduct	-2.76	
For UV Black, Add	19.52	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.28	
26 05 29 00-0322 C 46" Length, 175 LB Tensile Strength, Nylon Cable Ties.....	218.84	
For Up To 0.1, Add	29.77	
For >0.1 To 0.25, Add	14.89	
For >0.25 To 0.75, Add	7.44	
For >2.0, Deduct	-2.98	
For UV Black, Add	28.36	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.93	
26 05 29 00-0323 C 3/4" x 3/4" Self Adhesive Tie Mounts.....	31.06	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.49	
26 05 29 00-0324 C 1.1" x 1.1" Tie Mounts With Screw.....	61.41	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.97	
26 05 29 00-0325 EA 6" Length x 1/2" Width, Velcro Grip Cable Tie.....	2.23	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	0.14	
26 05 29 00-0326 EA 8" Length x 1/2" Width, Velcro Grip Cable Tie.....	2.27	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	0.11	
26 05 29 00-0327 EA 12" Length x 1/2" Width, Velcro Grip Cable Tie.....	2.82	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	0.11	
26 05 29 00-0328 EA 15" Length x 3/4" Width, Velcro Grip Cable Tie.....	4.01	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	0.11	
26 05 29 00-0329 EA 180" Length x 3/4" Width, Velcro Grip Cable Tie Roll.....	105.28	
Note: Cut to length.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	0.85	
<b>26 05 29 00-0330 Fastening Devices For Wireway And Conduit (26 05 29)</b>		
Note: Includes drilling of holes with power tools in concrete, brick, concrete block, wood, tile or steel and alignment of hangers and supports for bolts.		
<b>26 05 29 00-0331 Toggle Bolts (26 05 29 00-0330)</b>		
Note: Includes machine screw, toggle wing and drilling in concrete, concrete block, wood or steel.		
26 05 29 00-0332 EA 1/8" Diameter, 3" Length, Zinc Plated Steel, Toggle Bolt.....	7.22	
For >50 To 100, Deduct	-0.68	
For >100 To 250, Deduct	-1.35	
For >250 To 500, Deduct	-2.36	
For >500, Deduct	-3.36	
26 05 29 00-0333 EA 1/8" Diameter, 4" Length, Zinc Plated Steel, Toggle Bolt.....	7.42	
For >50 To 100, Deduct	-0.69	
For >100 To 250, Deduct	-1.39	
For >250 To 500, Deduct	-2.42	
For >500, Deduct	-3.45	
26 05 29 00-0334 EA 3/16" Diameter, 3" Length, Zinc Plated Steel, Toggle Bolt.....	7.92	
For >50 To 100, Deduct	-0.72	
For >100 To 250, Deduct	-1.44	
For >250 To 500, Deduct	-2.50	
For >500, Deduct	-3.56	
26 05 29 00-0335 EA 3/16" Diameter, 4" Length, Zinc Plated Steel, Toggle Bolt.....	8.12	
For >50 To 100, Deduct	-0.73	
For >100 To 250, Deduct	-1.47	
For >250 To 500, Deduct	-2.56	
For >500, Deduct	-3.65	
26 05 29 00-0336 EA 1/4" Diameter, 4" Length, Zinc Plated Steel, Toggle Bolt.....	8.31	
For >50 To 100, Deduct	-0.75	
For >100 To 250, Deduct	-1.50	
For >250 To 500, Deduct	-2.62	
For >500, Deduct	-3.74	
26 05 29 00-0337 EA 5/16" Diameter, 4" Length, Zinc Plated Steel, Toggle Bolt.....	9.80	
For >50 To 100, Deduct	-0.80	
For >100 To 250, Deduct	-1.60	
For >250 To 500, Deduct	-2.78	
For >500, Deduct	-3.95	
26 05 29 00-0338 EA 3/8" Diameter, 4" Length, Zinc Plated Steel, Toggle Bolt.....	10.26	
For >50 To 100, Deduct	-0.83	
For >100 To 250, Deduct	-1.65	
For >250 To 500, Deduct	-2.86	
For >500, Deduct	-4.06	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>26 05 29 00-0339</b> <b>Machine Screws</b> <small>(26 05 29 00-0330)</small>		
Note: Includes drilling in concrete, concrete block, wood or steel.		
26 05 29 00-0340    EA    #8 Diameter, 2" Length, Zinc Plated Steel, Machine Screw.....	2.11	
For >50 To 100, Deduct	-0.20	
For >100 To 250, Deduct	-0.41	
For >250 To 500, Deduct	-0.71	
For >500, Deduct	-1.02	
26 05 29 00-0341    EA    #10 Diameter, 2" Length, Zinc Plated Steel, Machine Screw.....	2.16	
For >50 To 100, Deduct	-0.20	
For >100 To 250, Deduct	-0.41	
For >250 To 500, Deduct	-0.71	
For >500, Deduct	-1.02	
26 05 29 00-0342    EA    1/4" Diameter, 2" Length, Zinc Plated Steel, Machine Screw.....	2.70	
For >50 To 100, Deduct	-0.26	
For >100 To 250, Deduct	-0.51	
For >250 To 500, Deduct	-0.89	
For >500, Deduct	-1.27	
26 05 29 00-0343    EA    5/16" Diameter, 2" Length, Zinc Plated Steel, Machine Screw.....	2.88	
For >50 To 100, Deduct	-0.26	
For >100 To 250, Deduct	-0.52	
For >250 To 500, Deduct	-0.91	
For >500, Deduct	-1.29	
26 05 29 00-0344    EA    3/8" Diameter, 2" Length, Zinc Plated Steel, Machine Screw.....	3.60	
For >50 To 100, Deduct	-0.32	
For >100 To 250, Deduct	-0.63	
For >250 To 500, Deduct	-1.10	
For >500, Deduct	-1.56	
<b>26 05 29 00-0345</b> <b>Hex Lag Bolts With Lag Shield Expansion Anchors</b> <small>(26 05 29 00-0330)</small>		
Note: Includes lag bolt, lag shield expansion anchor and drilling in concrete, concrete block, wood or steel.		
26 05 29 00-0346    EA    1/4" Diameter, 2" Length, Zinc Plated Steel, Hex Lag Bolt With Lag Shield Expansion Anchor.....	3.81	
For >50 To 100, Deduct	-0.28	
For >100 To 250, Deduct	-0.57	
For >250 To 500, Deduct	-0.98	
For >500, Deduct	-1.39	
26 05 29 00-0347    EA    5/16" Diameter, 2" Length, Zinc Plated Steel, Hex Lag Bolt With Lag Shield Expansion Anchor.....	3.74	
For >50 To 100, Deduct	-0.28	
For >100 To 250, Deduct	-0.56	
For >250 To 500, Deduct	-0.97	
For >500, Deduct	-1.38	
26 05 29 00-0348    EA    3/8" Diameter, 2" Length, Zinc Plated Steel, Hex Lag Bolt With Lag Shield Expansion Anchor.....	5.58	
For >50 To 100, Deduct	-0.36	
For >100 To 250, Deduct	-0.73	
For >250 To 500, Deduct	-1.24	
For >500, Deduct	-1.76	
26 05 29 00-0349    EA    1/2" Diameter, 2" Length, Zinc Plated Steel, Hex Lag Bolt With Lag Shield Expansion Anchor.....	7.28	
For >50 To 100, Deduct	-0.44	
For >100 To 250, Deduct	-0.89	
For >250 To 500, Deduct	-1.51	
For >500, Deduct	-2.12	
<b>26 05 29 00-0350</b> <b>Hanger Lag Bolts With Hex Nuts</b> <small>(26 05 29 00-0330)</small>		
Note: Includes hanger lag bolt (threaded one side), hex nut and drilling in concrete, concrete block, wood or steel.		
26 05 29 00-0351    EA    1/4" Diameter, 2" Length, Zinc Plated Steel, Hanger Lag Bolt With Hex Nut.....	2.79	
For >50 To 100, Deduct	-0.22	
For >100 To 250, Deduct	-0.44	
For >250 To 500, Deduct	-0.76	
For >500, Deduct	-1.08	
26 05 29 00-0352    EA    5/16" Diameter, 2" Length, Zinc Plated Steel, Hanger Lag Bolt With Hex Nut.....	2.85	
For >50 To 100, Deduct	-0.22	
For >100 To 250, Deduct	-0.44	
For >250 To 500, Deduct	-0.77	
For >500, Deduct	-1.09	
26 05 29 00-0353    EA    3/8" Diameter, 2-1/2" Length, Zinc Plated Steel, Hanger Lag Bolt With Hex Nut.....	3.44	
For >50 To 100, Deduct	-0.25	
For >100 To 250, Deduct	-0.51	
For >250 To 500, Deduct	-0.87	
For >500, Deduct	-1.24	
<b>26 05 29 00-0354</b> <b>Hollow Wall Screw Anchors</b> <small>(26 05 29 00-0330)</small>		
26 05 29 00-0355    EA    6-32 Screw Size, 5/16" Hole Diameter, 1/8" To 5/8" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor.....	1.63	
For >50 To 100, Deduct	-0.13	
For >100 To 250, Deduct	-0.26	
For >250 To 500, Deduct	-0.45	
For >500, Deduct	-0.64	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 29 Hangers and Supports for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0356 EA 6-32 Screw Size, 5/16" Hole Diameter, 5/8" To 1-1/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor.....	1.70	
For >50 To 100, Deduct	-0.13	
For >100 To 250, Deduct	-0.27	
For >250 To 500, Deduct	-0.46	
For >500, Deduct	-0.65	
26 05 29 00-0357 EA 6-32 Screw Size, 5/16" Hole Diameter, 1-1/4" To 1-3/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor.....	1.80	
For >50 To 100, Deduct	-0.14	
For >100 To 250, Deduct	-0.27	
For >250 To 500, Deduct	-0.47	
For >500, Deduct	-0.66	
26 05 29 00-0358 EA 10-24 Screw Size, 3/8" Hole Diameter, 1/8" To 5/8" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor.....	2.35	
For >50 To 100, Deduct	-0.16	
For >100 To 250, Deduct	-0.33	
For >250 To 500, Deduct	-0.56	
For >500, Deduct	-0.80	
26 05 29 00-0359 EA 10-24 Screw Size, 3/8" Hole Diameter, 5/8" To 1-1/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor.....	2.50	
For >50 To 100, Deduct	-0.17	
For >100 To 250, Deduct	-0.34	
For >250 To 500, Deduct	-0.57	
For >500, Deduct	-0.81	
26 05 29 00-0360 EA 10-24 Screw Size, 3/8" Hole Diameter, 1-1/4" To 1-3/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor.....	2.54	
For >50 To 100, Deduct	-0.17	
For >100 To 250, Deduct	-0.34	
For >250 To 500, Deduct	-0.58	
For >500, Deduct	-0.81	
26 05 29 00-0361 EA 1/4-20 Screw Size, 7/16" Hole Diameter, 1/8" To 5/8" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor.....	2.57	
For >50 To 100, Deduct	-0.17	
For >100 To 250, Deduct	-0.34	
For >250 To 500, Deduct	-0.58	
For >500, Deduct	-0.82	
26 05 29 00-0362 EA 1/4-20 Screw Size, 7/16" Hole Diameter, 5/8" To 1-1/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor.....	2.79	
For >50 To 100, Deduct	-0.17	
For >100 To 250, Deduct	-0.35	
For >250 To 500, Deduct	-0.59	
For >500, Deduct	-0.84	
26 05 29 00-0363 EA 1/4-20 Screw Size, 7/16" Hole Diameter, 1-1/4" To 1-3/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor.....	2.87	
For >50 To 100, Deduct	-0.18	
For >100 To 250, Deduct	-0.35	
For >250 To 500, Deduct	-0.60	
For >500, Deduct	-0.85	
<b>26 05 29 00-0364 Lead Screw Anchors</b> <small>(26 05 29 00-0330)</small>		
Note: Includes screw.		
26 05 29 00-0365 EA #6-8 Screw Size, 1/4" Hole Diameter, Lead Screw Anchor With Screw .....	3.64	
For >50 To 100, Deduct	-0.32	
For >100 To 250, Deduct	-0.64	
For >250 To 500, Deduct	-1.12	
For >500, Deduct	-1.60	
26 05 29 00-0366 EA #10-14 Screw Size, 5/16" Hole Diameter, Lead Screw Anchor With Screw .....	4.38	
For >50 To 100, Deduct	-0.38	
For >100 To 250, Deduct	-0.75	
For >250 To 500, Deduct	-1.31	
For >500, Deduct	-1.86	
26 05 29 00-0367 EA #16-18 Screw Size, 5/16" Hole Diameter, Lead Screw Anchor With Screw .....	6.07	
For >50 To 100, Deduct	-0.49	
For >100 To 250, Deduct	-0.98	
For >250 To 500, Deduct	-1.70	
For >500, Deduct	-2.42	
<b>26 05 29 00-0368 Acoustical T-Bar Clips</b> <small>(26 05 29 00-0330)</small>		
Note: For conduit installation above suspended ceilings up to 15' height.		
26 05 29 00-0369 EA 1/2" Conduit, Push-In Acoustical T-Bar Clip .....	6.59	
For >50 To 100, Deduct	-0.45	
For >100 To 250, Deduct	-0.91	
For >250 To 500, Deduct	-1.55	
For >500, Deduct	-2.20	
26 05 29 00-0370 EA 3/4" Conduit, Push-In Acoustical T-Bar Clip .....	6.90	
For >50 To 100, Deduct	-0.48	
For >100 To 250, Deduct	-0.95	
For >250 To 500, Deduct	-1.63	
For >500, Deduct	-2.31	
26 05 29 00-0371 EA 1" Conduit, Push-In Acoustical T-Bar Clip .....	7.59	
For >50 To 100, Deduct	-0.51	
For >100 To 250, Deduct	-1.02	
For >250 To 500, Deduct	-1.74	
For >500, Deduct	-2.47	
<b>26 05 29 00-0372 Threaded Rod, Accessories And Attachments</b> <small>(26 05 29)</small>		
<b>26 05 29 00-0373 Threaded Rod And Rod Accessories</b> <small>(26 05 29 00-0372)</small>		





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>26 05 29 00-0374 Carbon Steel Threaded Rod</b> <small>(26 05 29 00-0373)</small>		
<small>Note: Includes plain finish.</small>		
26 05 29 00-0375 LF 3/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod .....	3.77	0.57
<i>For Galvanized, Add</i>	<i>1.05</i>	
<i>For Zinc Coated, Add</i>	<i>0.75</i>	
26 05 29 00-0376 LF 1/2" Diameter, Plain Finish Steel, Low Carbon Threaded Rod .....	5.40	0.60
<i>For Galvanized, Add</i>	<i>1.68</i>	
<i>For Zinc Coated, Add</i>	<i>1.19</i>	
26 05 29 00-0377 LF 5/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod .....	7.74	0.62
<i>For Galvanized, Add</i>	<i>2.60</i>	
<i>For Zinc Coated, Add</i>	<i>1.85</i>	
26 05 29 00-0378 LF 3/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod .....	13.08	0.64
<i>For Galvanized, Add</i>	<i>4.72</i>	
<i>For Zinc Coated, Add</i>	<i>3.36</i>	
26 05 29 00-0379 LF 7/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod .....	14.29	0.66
<i>For Galvanized, Add</i>	<i>5.18</i>	
<i>For Zinc Coated, Add</i>	<i>3.69</i>	
26 05 29 00-0380 LF 1" Diameter, Plain Finish Steel, Low Carbon Threaded Rod .....	19.71	0.75
<i>For Galvanized, Add</i>	<i>7.28</i>	
<i>For Zinc Coated, Add</i>	<i>5.19</i>	
26 05 29 00-0381 LF 1-1/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod .....	24.63	0.83
<i>For Galvanized, Add</i>	<i>9.18</i>	
<i>For Zinc Coated, Add</i>	<i>6.54</i>	
<b>26 05 29 00-0382 Threaded Rod Couplings</b> <small>(26 05 29 00-0373)</small>		
26 05 29 00-0383 EA 3/8" Diameter, Threaded Rod Coupling Nut .....	7.84	
26 05 29 00-0384 EA 1/2" Diameter, Threaded Rod Coupling Nut .....	8.96	
26 05 29 00-0385 EA 5/8" Diameter, Threaded Rod Coupling Nut .....	11.55	
26 05 29 00-0386 EA 3/4" Diameter, Threaded Rod Coupling Nut .....	14.51	
26 05 29 00-0387 EA 7/8" Diameter, Threaded Rod Coupling Nut .....	22.59	
26 05 29 00-0388 EA 1" Diameter, Threaded Rod Coupling Nut .....	26.83	
26 05 29 00-0389 EA 1-1/8" Diameter, Threaded Rod Coupling Nut .....	54.95	
<b>26 05 29 00-0390 Flat Washers</b> <small>(26 05 29 00-0373)</small>		
26 05 29 00-0391 EA 3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer .....	0.67	0.23
<i>For Galvanized, Add</i>	<i>0.04</i>	
26 05 29 00-0392 EA 1/2" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer .....	0.90	0.23
<i>For Galvanized, Add</i>	<i>0.09</i>	
26 05 29 00-0393 EA 5/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer .....	1.25	0.23
<i>For Galvanized, Add</i>	<i>0.17</i>	
26 05 29 00-0394 EA 3/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer .....	1.58	0.45
<i>For Galvanized, Add</i>	<i>0.24</i>	
26 05 29 00-0395 EA 7/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer .....	1.79	0.45
<i>For Galvanized, Add</i>	<i>0.28</i>	
26 05 29 00-0396 EA 1" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer .....	2.14	0.45
<i>For Galvanized, Add</i>	<i>0.35</i>	
26 05 29 00-0397 EA 1-1/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer .....	2.40	0.45
<i>For Galvanized, Add</i>	<i>0.39</i>	
<b>26 05 29 00-0398 Malleable Iron Eye Sockets</b> <small>(26 05 29 00-0373)</small>		
<small>Note: Type 16.</small>		
26 05 29 00-0399 EA 3/8" Rod Size, Malleable Iron Eye Socket .....	12.40	
26 05 29 00-0400 EA 1/2" Rod Size, Malleable Iron Eye Socket .....	15.06	
26 05 29 00-0401 EA 5/8" Rod Size, Malleable Iron Eye Socket .....	27.79	
26 05 29 00-0402 EA 3/4" Rod Size, Malleable Iron Eye Socket .....	40.46	
26 05 29 00-0403 EA 7/8" Rod Size, Malleable Iron Eye Socket .....	42.92	
<b>26 05 29 00-0404 Hex Nuts</b> <small>(26 05 29 00-0373)</small>		
26 05 29 00-0405 EA 3/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut .....	0.64	0.23
<i>For Galvanized, Add</i>	<i>0.03</i>	
26 05 29 00-0406 EA 1/2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut .....	0.85	0.23
<i>For Galvanized, Add</i>	<i>0.07</i>	
26 05 29 00-0407 EA 5/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut .....	1.25	0.23
<i>For Galvanized, Add</i>	<i>0.17</i>	
26 05 29 00-0408 EA 3/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut .....	1.52	0.45
<i>For Galvanized, Add</i>	<i>0.22</i>	
26 05 29 00-0409 EA 7/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut .....	2.34	0.45
<i>For Galvanized, Add</i>	<i>0.42</i>	
26 05 29 00-0410 EA 1" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut .....	3.02	0.45
<i>For Galvanized, Add</i>	<i>0.57</i>	
26 05 29 00-0411 EA 1-1/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut .....	5.13	0.45
<i>For Galvanized, Add</i>	<i>1.08</i>	
<b>26 05 29 00-0412 Forged Steel Turnbuckles</b> <small>(26 05 29 00-0373)</small>		
<small>Note: Type 13.</small>		
26 05 29 00-0413 EA 3/8" Thread Diameter, Forged Steel Turnbuckle Body .....	29.26	
26 05 29 00-0414 EA 1/2" Thread Diameter, Forged Steel Turnbuckle Body .....	36.90	

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0415 EA 5/8" Thread Diameter, Forged Steel Turnbuckle Body .....	50.86	
26 05 29 00-0416 EA 3/4" Thread Diameter, Forged Steel Turnbuckle Body .....	63.65	
26 05 29 00-0417 EA 7/8" Thread Diameter, Forged Steel Turnbuckle Body .....	167.91	
26 05 29 00-0418 EA 1" Thread Diameter, Forged Steel Turnbuckle Body .....	106.34	
26 05 29 00-0419 EA 1-1/4" Thread Diameter, Forged Steel Turnbuckle Body .....	223.07	
<b>26 05 29 00-0420 Attachments</b> <small>(26 05 29 00-0372)</small>		
<b>26 05 29 00-0421 Welded Beam Attachments</b> <small>(26 05 29 00-0420)</small>		
Note: Type 22.		
26 05 29 00-0422 EA 3/8" Rod Size, Welded Beam Attachment .....	52.73	9.04
26 05 29 00-0423 EA 1/2" Rod Size, Welded Beam Attachment .....	56.41	9.49
26 05 29 00-0424 EA 5/8" Rod Size, Welded Beam Attachment .....	60.15	10.03
26 05 29 00-0425 EA 3/4" Rod Size, Welded Beam Attachment .....	79.31	10.66
26 05 29 00-0426 EA 7/8" Rod Size, Welded Beam Attachment .....	96.87	11.29
26 05 29 00-0427 EA 1" Rod Size, Welded Beam Attachment .....	139.23	12.92
26 05 29 00-0428 EA 1-1/8" Rod Size, Welded Beam Attachment .....	202.71	13.55
<b>26 05 29 00-0429 C-Clamp Style Beam Clamps</b> <small>(26 05 29 00-0420)</small>		
Note: Type 23. Top or bottom flange mount.		
26 05 29 00-0430 EA 3/8" Rod Size, C-Clamp Style Beam Clamp .....	15.56	6.79
26 05 29 00-0431 EA 1/2" Rod Size, C-Clamp Style Beam Clamp .....	19.41	7.24
26 05 29 00-0432 EA 5/8" Rod Size, C-Clamp Style Beam Clamp .....	22.48	7.76
26 05 29 00-0433 EA 3/4" Rod Size, C-Clamp Style Beam Clamp .....	30.48	8.35
26 05 29 00-0434 EA 7/8" Rod Size, C-Clamp Style Beam Clamp .....	47.26	9.06
<b>26 05 29 00-0435 Bottom Mount I-Beam Clamps</b> <small>(26 05 29 00-0420)</small>		
Note: Type 21. For attaching threaded rod centered under beam flanges.		
26 05 29 00-0436 EA 3/8" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp .....	52.32	9.06
26 05 29 00-0437 EA 1/2" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp .....	80.24	9.87
26 05 29 00-0438 EA 5/8" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp .....	117.84	10.87
26 05 29 00-0439 EA 3/4" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp .....	141.96	12.07
26 05 29 00-0440 EA 1" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp .....	359.09	13.58
<b>26 05 29 00-0441 Steel U-Bolts</b> <small>(26 05 29 00-0420)</small>		
Note: Type 24. Includes plate and nuts.		
26 05 29 00-0442 EA 1/2" Pipe Size, Zinc Plated Steel, U-Bolt .....	12.79	5.43
26 05 29 00-0443 EA 3/4" Pipe Size, Zinc Plated Steel, U-Bolt .....	14.04	5.72
26 05 29 00-0444 EA 1" Pipe Size, Zinc Plated Steel, U-Bolt .....	15.23	6.03
26 05 29 00-0445 EA 1-1/4" Pipe Size, Zinc Plated Steel, U-Bolt .....	17.76	6.39
26 05 29 00-0446 EA 1-1/2" Pipe Size, Zinc Plated Steel, U-Bolt .....	18.17	6.79
26 05 29 00-0447 EA 2" Pipe Size, Zinc Plated Steel, U-Bolt .....	19.47	7.24
26 05 29 00-0448 EA 2-1/2" Pipe Size, Zinc Plated Steel, U-Bolt .....	30.67	7.76
26 05 29 00-0449 EA 3" Pipe Size, Zinc Plated Steel, U-Bolt .....	33.99	8.35
26 05 29 00-0450 EA 4" Pipe Size, Zinc Plated Steel, U-Bolt .....	42.09	9.06
<b>26 05 29 00-0451 Stainless Steel Threaded Rod</b> <small>(26 05 29 00-0372)</small>		
26 05 29 00-0452 LF 1/4" Diameter, 304/18-8 Stainless Steel Threaded Rod .....	3.99	0.45
For 316 Stainless Steel, Add	1.25	
26 05 29 00-0453 LF 5/16" Diameter, 304/18-8 Stainless Steel Threaded Rod .....	6.29	0.50
For 316 Stainless Steel, Add	2.14	
26 05 29 00-0454 LF 3/8" Diameter, 304/18-8 Stainless Steel Threaded Rod .....	8.20	0.57
For 316 Stainless Steel, Add	2.86	
26 05 29 00-0455 LF 7/16" Diameter, 304/18-8 Stainless Steel Threaded Rod .....	11.67	0.58
For 316 Stainless Steel, Add	4.25	
26 05 29 00-0456 LF 1/2" Diameter, 304/18-8 Stainless Steel Threaded Rod .....	14.14	0.60
For 316 Stainless Steel, Add	5.24	
26 05 29 00-0457 LF 5/8" Diameter, 304/18-8 Stainless Steel Threaded Rod .....	21.61	0.61
For 316 Stainless Steel, Add	8.25	
26 05 29 00-0458 LF 3/4" Diameter, 304/18-8 Stainless Steel Threaded Rod .....	30.58	0.62
For 316 Stainless Steel, Add	11.88	
26 05 29 00-0459 LF 7/8" Diameter, 304/18-8 Stainless Steel Threaded Rod .....	42.39	0.64
For 316 Stainless Steel, Add	16.65	
26 05 29 00-0460 LF 1" Diameter, 304/18-8 Stainless Steel Threaded Rod .....	54.57	0.75
For 316 Stainless Steel, Add	21.49	
26 05 29 00-0461 LF 1-1/4" Diameter, 304/18-8 Stainless Steel Threaded Rod .....	116.46	0.90
For 316 Stainless Steel, Add	46.40	
<b>26 05 29 00-0462 Polyvinyl Chloride (PVC) Coated Supports</b> <small>(26 05 29)</small>		
Note: Includes stainless steel and/or Polyvinyl Chloride (PVC) coated hardware.		
<b>26 05 29 00-0463 Polyvinyl Chloride (PVC) Coated Beam Clamps</b> <small>(26 05 29 00-0462)</small>		
<b>26 05 29 00-0464 Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamps</b> <small>(26 05 29 00-0463)</small>		
26 05 29 00-0465 EA 1/2", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp .....	54.95	18.06
26 05 29 00-0466 EA 3/4", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp .....	59.67	19.69
26 05 29 00-0467 EA 1", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp .....	63.28	21.67



	MINOR CSI UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0468	EA	1-1/4", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp .....	77.04	24.11
26 05 29 00-0469	EA	1-1/2", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp .....	89.44	27.10
26 05 29 00-0470	EA	2", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp.....	108.54	29.81
26 05 29 00-0471	EA	2-1/2", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp .....	118.75	32.52
26 05 29 00-0472	EA	3", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp.....	131.12	35.22
26 05 29 00-0473	EA	3-1/2", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp .....	138.04	37.93
26 05 29 00-0474	EA	4", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp.....	149.41	40.65
<b>26 05 29 00-0475 Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamps (26 05 29 00-0463)</b>				
26 05 29 00-0476	EA	1/2", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp .....	59.75	18.06
26 05 29 00-0477	EA	3/4", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp .....	62.93	19.69
26 05 29 00-0478	EA	1", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp .....	73.01	21.67
26 05 29 00-0479	EA	1-1/4", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp .....	80.50	24.11
26 05 29 00-0480	EA	1-1/2", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp .....	90.78	27.10
26 05 29 00-0481	EA	2", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp .....	106.26	29.81
26 05 29 00-0482	EA	2-1/2", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp .....	123.08	32.52
26 05 29 00-0483	EA	3", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp .....	136.87	35.22
26 05 29 00-0484	EA	3-1/2", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp .....	145.27	37.93
26 05 29 00-0485	EA	4", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp .....	150.38	40.65
<b>26 05 29 00-0486 Edge, Polyvinyl Chloride (PVC) Coated Beam Clamps (26 05 29 00-0463)</b>				
26 05 29 00-0487	EA	1/2", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp .....	55.94	17.88
26 05 29 00-0488	EA	3/4", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp .....	59.99	19.51
26 05 29 00-0489	EA	1", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp .....	68.17	21.67
26 05 29 00-0490	EA	1-1/4", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp .....	80.91	23.84
26 05 29 00-0491	EA	1-1/2", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp .....	107.78	27.10
26 05 29 00-0492	EA	2", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp .....	118.11	29.81
<b>26 05 29 00-0493 Polyvinyl Chloride (PVC) Coated Conduit Straps (26 05 29 00-0462)</b>				
<b>26 05 29 00-0494 One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Straps (26 05 29 00-0493)</b>				
26 05 29 00-0495	EA	1/2", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap .....	7.73	0.54
26 05 29 00-0496	EA	3/4", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap .....	8.42	0.54
26 05 29 00-0497	EA	1", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap .....	12.52	0.54
26 05 29 00-0498	EA	1-1/4", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap .....	15.29	0.54
26 05 29 00-0499	EA	1-1/2", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap .....	20.23	0.54
26 05 29 00-0500	EA	2", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap .....	30.54	0.54
26 05 29 00-0501	EA	2-1/2", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap .....	40.78	0.54
26 05 29 00-0502	EA	3", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap .....	54.73	0.54
26 05 29 00-0503	EA	3-1/2", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap .....	97.10	0.54
26 05 29 00-0504	EA	4", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap .....	103.21	0.54
<b>26 05 29 00-0505 Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Straps (26 05 29 00-0493)</b>				
26 05 29 00-0506	EA	1/2", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap .....	15.23	1.08
26 05 29 00-0507	EA	3/4", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap .....	15.30	1.08
26 05 29 00-0508	EA	1", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap .....	15.72	1.08
26 05 29 00-0509	EA	1-1/4", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap .....	19.94	1.08
26 05 29 00-0510	EA	1-1/2", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap .....	20.52	1.08
26 05 29 00-0511	EA	2", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap .....	23.63	1.08
26 05 29 00-0512	EA	2-1/2", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap .....	26.65	1.08
26 05 29 00-0513	EA	3", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap .....	27.90	1.08
26 05 29 00-0514	EA	3-1/2", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap .....	29.83	1.08
26 05 29 00-0515	EA	4", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap .....	32.42	1.08
<b>26 05 29 00-0516 Polyvinyl Chloride (PVC) Coated Clamp Back Spacer (26 05 29 00-0462)</b>				
<b>26 05 29 00-0517 Polyvinyl Chloride (PVC) Coated Clamp Back Spacer (26 05 29 00-0516)</b>				
26 05 29 00-0518	EA	1/2" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer .....	13.76	1.08
26 05 29 00-0519	EA	3/4" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer .....	16.11	1.08
26 05 29 00-0520	EA	1" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer .....	20.42	1.08
26 05 29 00-0521	EA	1-1/4" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer .....	24.00	1.08
26 05 29 00-0522	EA	1-1/2" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer .....	32.35	1.08
26 05 29 00-0523	EA	2" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer .....	68.13	1.08
26 05 29 00-0524	EA	2-1/2" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer .....	80.37	1.08
26 05 29 00-0525	EA	3" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer .....	109.98	1.08
26 05 29 00-0526	EA	3-1/2" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer .....	192.99	1.08
26 05 29 00-0527	EA	4" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer .....	192.99	1.08
<b>26 05 29 00-0528 Polyvinyl Chloride (PVC) Coated Threaded Rod And Accessories (26 05 29 00-0462)</b>				
<b>26 05 29 00-0529 Polyvinyl Chloride (PVC) Coated Threaded Rod (26 05 29 00-0528)</b>				
26 05 29 00-0530	LF	3/8" Diameter, Polyvinyl Chloride (PVC) Coated Threaded Rod .....	9.54	0.72
26 05 29 00-0531	LF	1/2" Diameter, Polyvinyl Chloride (PVC) Coated Threaded Rod .....	11.77	0.81

**26 Electrical****26 05 Common Work Results for Electrical****26 05 29 Hangers and Supports for Electrical Systems**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0532			<b>Attachments</b> <small>(26 05 29 00-0462)</small>		
26 05 29 00-0533			<b>Polyvinyl Chloride (PVC) Coated U-Bolts And Encapsulation Nuts</b> <small>(26 05 29 00-0532)</small>		
26 05 29 00-0534	EA		1/2" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts.....	16.16	5.43
26 05 29 00-0535	EA		3/4" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts.....	16.63	5.70
26 05 29 00-0536	EA		1" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts.....	17.51	6.06
26 05 29 00-0537	EA		1-1/4" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts.....	18.64	6.42
26 05 29 00-0538	EA		1-1/2" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts.....	19.88	6.79
26 05 29 00-0539	EA		2" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts.....	22.56	7.24
26 05 29 00-0540	EA		2-1/2" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts.....	34.14	7.78
26 05 29 00-0541	EA		3" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts.....	35.67	8.33
26 05 29 00-0542	EA		4" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts.....	37.95	9.06
26 05 29 00-0543	EA		5" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts.....	64.48	10.32
26 05 29 00-0544	EA		6" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts.....	80.41	11.95
26 05 29 00-0545			<b>Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamps</b> <small>(26 05 29 00-0532)</small>		
26 05 29 00-0546	EA		1/4", 20 Hole, 15/16" Jaw, Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamp.....	56.66	17.88
26 05 29 00-0547	EA		5/16", 18 Hole, 7/8" Jaw, Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamp.....	68.07	17.88
26 05 29 00-0548	EA		3/8", 16 Hole, 1" Jaw, Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamp.....	72.78	17.88
26 05 29 00-0549	EA		1/2", 13 Hole, 1" Jaw, Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamp.....	80.74	18.97
26 05 29 00-0550	EA		1/2", 13 Hole, 2-1/8" Jaw, Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamp.....	94.85	21.67
26 05 29 00-0551			<b>Polyvinyl Chloride (PVC) Coated Pipe Straps</b> <small>(26 05 29 00-0532)</small>		
Note: Includes stainless steel nuts and bolts.					
26 05 29 00-0552	EA		1/2" Polyvinyl Chloride (PVC) Coated Pipe Strap.....	23.23	5.96
26 05 29 00-0553	EA		3/4" Polyvinyl Chloride (PVC) Coated Pipe Strap.....	24.16	6.50
26 05 29 00-0554	EA		1" Polyvinyl Chloride (PVC) Coated Pipe Strap.....	26.37	7.04
26 05 29 00-0555	EA		1-1/4" Polyvinyl Chloride (PVC) Coated Pipe Strap.....	29.45	8.12
26 05 29 00-0556	EA		1-1/2" Polyvinyl Chloride (PVC) Coated Pipe Strap.....	33.81	9.22
26 05 29 00-0557	EA		2" Polyvinyl Chloride (PVC) Coated Pipe Strap.....	38.15	9.76
26 05 29 00-0558	EA		2-1/2" Polyvinyl Chloride (PVC) Coated Pipe Strap.....	42.09	10.84
26 05 29 00-0559	EA		3" Polyvinyl Chloride (PVC) Coated Pipe Strap.....	51.17	11.93
26 05 29 00-0560	EA		3-1/2" Polyvinyl Chloride (PVC) Coated Pipe Strap.....	56.59	12.47
26 05 29 00-0561	EA		4" Polyvinyl Chloride (PVC) Coated Pipe Strap.....	58.94	13.55
26 05 29 00-0562	EA		5" Polyvinyl Chloride (PVC) Coated Pipe Strap.....	62.21	15.17
26 05 29 00-0563			<b>Polyvinyl Chloride (PVC) Coated Channel</b> <small>(26 05 29 00-0462)</small>		
26 05 29 00-0564	LF		A12, Polyvinyl Chloride (PVC) Coated Channel.....	28.00	2.71
26 05 29 00-0565	LF		A12A, Polyvinyl Chloride (PVC) Coated Channel.....	50.71	3.79
26 05 29 00-0566	LF		A12P, Polyvinyl Chloride (PVC) Coated Channel.....	30.10	2.71
26 05 29 00-0567	LF		C14, Polyvinyl Chloride (PVC) Coated Channel.....	21.53	2.71
26 05 29 00-0568	LF		C14P, Polyvinyl Chloride (PVC) Coated Channel.....	22.84	2.71
26 05 29 00-0569			<b>Polymer Concrete Pads</b> <small>(26 05 29)</small>		
Note: Excludes excavation and backfill.					
26 05 29 00-0570			<b>Polymer Concrete, Box Pads</b> <small>(26 05 29 00-0569)</small>		
26 05 29 00-0571	EA		24" x 36", 18" Depth, Polymer Concrete, Box Pad.....	1,356.99	122.05
26 05 29 00-0572	EA		25" x 25", 24" Depth, Polymer Concrete, Box Pad.....	1,402.98	122.05
26 05 29 00-0573	EA		40" x 44", 15" Depth, Polymer Concrete, Box Pad.....	1,825.55	122.05
26 05 29 00-0574	EA		40" x 44", 24" Depth, Polymer Concrete, Box Pad.....	1,895.61	122.05
26 05 29 00-0575	EA		52" x 36", 18" Depth, Polymer Concrete, Box Pad.....	1,760.33	122.05
26 05 29 00-0576	EA		44" x 44", 32" Depth, Polymer Concrete, Box Pad.....	2,091.21	122.05
26 05 29 00-0577	EA		40" x 58", 24" Depth, Polymer Concrete, Box Pad.....	2,344.92	122.05
26 05 29 00-0578	EA		52" x 50", 18" Depth, Polymer Concrete, Box Pad.....	2,240.02	152.56
26 05 29 00-0579	EA		74" x 76", 36" Depth, Polymer Concrete, Box Pad.....	3,425.44	152.56
26 05 29 00-0580	EA		93" x 93", 36" Depth, Polymer Concrete, Box Pad.....	4,616.72	152.56
26 05 29 00-0581			<b>Polymer Concrete, Telecommunications Equipment Pads</b> <small>(26 05 29 00-0569)</small>		
26 05 29 00-0582	EA		42" x 42", 3" Thick, Polymer Concrete, Telecommunications Equipment Pad.....	644.42	62.09
26 05 29 00-0583	EA		48" x 46", 3" Thick, Polymer Concrete, Telecommunications Equipment Pad.....	770.04	62.09
26 05 29 00-0584	EA		60" x 42", 3" Thick, Polymer Concrete, Telecommunications Equipment Pad.....	1,006.62	91.54
26 05 29 00-0585	EA		54" x 48", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad.....	1,053.31	91.54
26 05 29 00-0586	EA		57" x 60", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad.....	1,528.59	91.54
26 05 29 00-0587	EA		72" x 60", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad.....	1,594.64	91.54
26 05 29 00-0588	EA		64" x 72", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad.....	1,717.73	91.54
26 05 29 00-0589	EA		72" x 64", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad.....	1,717.73	91.54
26 05 29 00-0590	EA		76" x 84", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad.....	3,264.06	91.54
26 05 29 00-0591	EA		96" x 84", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad.....	3,705.28	91.54
26 05 29 00-0592			<b>Polymer Concrete, Electrical Equipment Pads</b> <small>(26 05 29 00-0569)</small>		
26 05 29 00-0593	EA		24" x 25", 2" Thick, Polymer Concrete, Electrical Equipment Pad.....	378.35	62.09
26 05 29 00-0594	EA		24" x 36", 2" Thick, Polymer Concrete, Electrical Equipment Pad.....	410.65	62.09
26 05 29 00-0595	EA		24" x 44", 2" Thick, Polymer Concrete, Electrical Equipment Pad.....	440.07	62.09



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0596	EA		24" x 58", 2" Thick, Polymer Concrete, Electrical Equipment Pad .....	537.78	62.09
26 05 29 00-0597	EA		40" x 40", 3" Thick, Polymer Concrete, Electrical Equipment Pad .....	494.18	62.09
26 05 29 00-0598	EA		42" x 42", 3" Thick, Polymer Concrete, Electrical Equipment Pad .....	514.72	62.09
26 05 29 00-0599	EA		48" x 42", 4" Thick, Polymer Concrete, Electrical Equipment Pad .....	568.00	62.09
26 05 29 00-0600	EA		48" x 46", 3" Thick, Polymer Concrete, Electrical Equipment Pad .....	599.07	62.09
26 05 29 00-0601	EA		54" x 48", 4" Thick, Polymer Concrete, Electrical Equipment Pad .....	702.85	62.09
26 05 29 00-0602	EA		56" x 44", 3" Thick, Polymer Concrete, Electrical Equipment Pad .....	873.80	62.09
26 05 29 00-0603	EA		64" x 64", 4" Thick, Polymer Concrete, Electrical Equipment Pad .....	1,299.61	91.54
26 05 29 00-0604	EA		66" x 72", 4" Thick, Polymer Concrete, Electrical Equipment Pad .....	1,362.10	91.54
26 05 29 00-0605	EA		75" x 52", 4" Thick, Polymer Concrete, Electrical Equipment Pad .....	1,381.81	91.54
26 05 29 00-0606	EA		90" x 48", 4" Thick, Polymer Concrete, Electrical Equipment Pad .....	1,513.15	91.54
26 05 29 00-0607	EA		84" x 96", 4" Thick, Polymer Concrete, Electrical Equipment Pad .....	3,269.99	91.54
26 05 29 00-0608	EA		96" x 80", 4" Thick, Polymer Concrete, Electrical Equipment Pad .....	3,858.44	91.54

**26 05 33 Raceway and Boxes for Electrical Systems** (26 05)

**26 05 33 13 Conduit for Electrical Systems** (26 05 33)

**26 05 33 13-0001 Conduit Assemblies With Wire** (26 05 33 13)

Note: Includes conduit, fittings and wire. Excludes hangers or supports.

**26 05 33 13-0002 Electrical Metallic Tubing (EMT) Conduit Assemblies** (26 05 33 13-0001)

Note: Includes conduit, field bends, set screw connectors, set screw couplings, straps, and copper wire as indicated. Per CLF. See CSI section 26 05 19 16-0240 for larger copper conductor, 26 05 33 13-0594 for larger EMT conduit.

26 05 33 13-0003	CLF	1/2" Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor .....	737.60	201.64
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		<i>For Work In Restricted Working Space, Add</i>	172.86	
		<i>For 2 #12 THWN Conductor Instead Of THHN, Add</i>	1.74	
26 05 33 13-0004	CLF	1/2" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor .....	804.53	218.97
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		<i>For Work In Restricted Working Space, Add</i>	187.71	
		<i>For 3 #12 THWN Conductor Instead Of THHN, Add</i>	2.61	
26 05 33 13-0005	CLF	1/2" Electrical Metallic Tubing (EMT) Conduit Assembly With 4 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor .....	871.45	236.30
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		<i>For Work In Restricted Working Space, Add</i>	202.56	
		<i>For 4 #12 THWN Conductor Instead Of THHN, Add</i>	3.48	
26 05 33 13-0006	CLF	1/2" Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor .....	779.86	210.31
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		<i>For Work In Restricted Working Space, Add</i>	180.29	
		<i>For 2 #10 THWN Conductor Instead Of THHN, Add</i>	2.61	
26 05 33 13-0007	CLF	1/2" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor .....	863.79	230.52
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		<i>For Work In Restricted Working Space, Add</i>	197.62	
		<i>For 3 #10 THWN Conductor Instead Of THHN, Add</i>	3.92	
26 05 33 13-0008	CLF	1/2" Electrical Metallic Tubing (EMT) Conduit Assembly With 4 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor .....	947.70	250.72
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		<i>For Work In Restricted Working Space, Add</i>	214.94	
		<i>For 4 #10 THWN Conductor Instead Of THHN, Add</i>	5.22	
26 05 33 13-0009	CLF	1/2" Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor .....	876.87	227.63
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		<i>For Work In Restricted Working Space, Add</i>	195.14	
		<i>For 2 #8 THWN Conductor Instead Of THHN, Add</i>	4.56	
26 05 33 13-0010	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor .....	841.06	217.40
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		<i>For Work In Restricted Working Space, Add</i>	186.33	
		<i>For 2 #12 THWN Conductor Instead Of THHN, Add</i>	1.74	
26 05 33 13-0011	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor .....	907.99	234.72
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		<i>For Work In Restricted Working Space, Add</i>	201.18	
		<i>For 3 #12 THWN Conductor Instead Of THHN, Add</i>	2.61	
26 05 33 13-0012	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 4 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor .....	974.90	252.05
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		<i>For Work In Restricted Working Space, Add</i>	216.03	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0013 CLF 3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 5 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor ..... Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 5 #12 THWN Conductor Instead Of THHN, Add</i>	1,041.82  230.88 4.36	269.38
26 05 33 13-0014 CLF 3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor ..... Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 2 #10 THWN Conductor Instead Of THHN, Add</i>	883.31  193.75 2.61	226.06
26 05 33 13-0015 CLF 3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor ..... Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 3 #10 THWN Conductor Instead Of THHN, Add</i>	967.23  211.08 3.92	246.27
26 05 33 13-0016 CLF 3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 4 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor ..... Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 4 #10 THWN Conductor Instead Of THHN, Add</i>	1,051.16  228.41 5.22	266.49
26 05 33 13-0017 CLF 3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 5 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor ..... Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 5 #10 THWN Conductor Instead Of THHN, Add</i>	1,135.08  245.73 6.53	286.70
26 05 33 13-0018 CLF 3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor ..... Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 3 #8 THWN Conductor Instead Of THHN, Add</i>	1,100.12  230.88 6.83	269.38
26 05 33 13-0019 CLF 3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 4 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor ..... Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 4 #8 THWN Conductor Instead Of THHN, Add</i>	1,219.94  253.16 9.11	295.37
26 05 33 13-0020 CLF 3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor ..... Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 2 #6 THWN Conductor Instead Of THHN, Add</i>	1,108.74  223.46 7.53	260.71
26 05 33 13-0021 CLF 3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor ..... Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 3 #6 THWN Conductor Instead Of THHN, Add</i>	1,274.80  250.68 11.30	292.48
26 05 33 13-0022 CLF 1" Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor ..... Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 2 #12 THWN Conductor Instead Of THHN, Add</i>	998.16  200.58 1.74	233.98
26 05 33 13-0023 CLF 1" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor ..... Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 3 #12 THWN Conductor Instead Of THHN, Add</i>	1,065.09  215.44 2.61	251.31
26 05 33 13-0024 CLF 1" Electrical Metallic Tubing (EMT) Conduit Assembly With 4 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor ..... Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	1,132.01  230.29	268.64
26 05 33 13-0025 CLF 1" Electrical Metallic Tubing (EMT) Conduit Assembly With 5 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor ..... Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 5 #12 THWN Conductor Instead Of THHN, Add</i>	1,198.93  245.14 4.36	285.95
26 05 33 13-0026 CLF 1" Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor ..... Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 2 #10 THWN Conductor Instead Of THHN, Add</i>	1,040.41  208.01 2.61	242.65



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0027 CLF 1" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 3 #10 THWN Conductor Instead Of THHN, Add</i>	1,124.34 225.34 3.92	262.86
26 05 33 13-0028 CLF 1" Electrical Metallic Tubing (EMT) Conduit Assembly With 4 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 4 #10 THWN Conductor Instead Of THHN, Add</i>	1,208.26 242.66 5.22	283.07
26 05 33 13-0029 CLF 1" Electrical Metallic Tubing (EMT) Conduit Assembly With 5 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 5 #10 THWN Conductor Instead Of THHN, Add</i>	1,292.18 259.99 6.53	303.28
26 05 33 13-0030 CLF 1" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 3 #8 THWN Conductor Instead Of THHN, Add</i>	1,257.23 245.14 6.83	285.95
26 05 33 13-0031 CLF 1" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 3 #6 THWN Conductor Instead Of THHN, Add</i>	1,431.90 264.94 11.30	309.06
26 05 33 13-0032 CLF 1" Electrical Metallic Tubing (EMT) Conduit Assembly With 4 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 4 #6 THWN Conductor Instead Of THHN, Add</i>	1,597.98 292.16 15.06	340.82
<b>26 05 33 13-0033 Rigid Galvanized Steel (RGS) Conduit Assemblies</b> <small>(26 05 33 13-0001)</small> Note: Includes conduit, field bends, terminations, straps, and copper wire as indicated. Per CLF. See CSI section 26 05 19 16-0240 for larger copper conductor, 26 05 33 13-0060 for larger RGS conduit.		
26 05 33 13-0034 CLF 1/2" Rigid Galvanized Steel (RGS) Conduit Assembly With 2 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 2 #12 THWN Conductor Instead Of THHN, Add</i>	1,062.28 196.73 1.74	229.52
26 05 33 13-0035 CLF 1/2" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 3 #12 THWN Conductor Instead Of THHN, Add</i>	1,129.19 211.57 2.61	246.85
26 05 33 13-0036 CLF 1/2" Rigid Galvanized Steel (RGS) Conduit Assembly With 2 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 2 #10 THWN Conductor Instead Of THHN, Add</i>	1,104.52 204.15 2.61	238.19
26 05 33 13-0037 CLF 1/2" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 3 #10 THWN Conductor Instead Of THHN, Add</i>	1,188.46 221.48 3.92	258.40
26 05 33 13-0038 CLF 1/2" Rigid Galvanized Steel (RGS) Conduit Assembly With 2 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 2 #8 THWN Conductor Instead Of THHN, Add</i>	1,201.55 219.00 4.56	255.51
26 05 33 13-0039 CLF 3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 2 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 2 #12 THWN Conductor Instead Of THHN, Add</i>	1,188.83 209.79 1.74	244.78
26 05 33 13-0040 CLF 3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 3 #12 THWN Conductor Instead Of THHN, Add</i>	1,255.75 224.64 2.61	262.11
26 05 33 13-0041 CLF 3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 4 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	1,322.68 239.49	279.44
26 05 33 13-0042 CLF 3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 2 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 2 #10 THWN Conductor Instead Of THHN, Add</i>	1,231.09 217.22 2.61	253.45

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0043 CLF 3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor ..... Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 3 #10 THWN Conductor Instead Of THHN, Add</i>	1,315.00 234.54 3.92	273.66
26 05 33 13-0044 CLF 3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 4 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor ..... Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 4 #10 THWN Conductor Instead Of THHN, Add</i>	1,398.93 251.87 5.22	293.88
26 05 33 13-0045 CLF 3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor ..... Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 3 #8 THWN Conductor Instead Of THHN, Add</i>	1,447.90 254.34 6.83	296.76
26 05 33 13-0046 CLF 3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 4 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor ..... Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 4 #8 THWN Conductor Instead Of THHN, Add</i>	1,567.71 276.62 9.11	322.76
26 05 33 13-0047 CLF 3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 2 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor ..... Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 2 #6 THWN Conductor Instead Of THHN, Add</i>	1,456.51 246.92 7.53	288.10
26 05 33 13-0048 CLF 3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor ..... Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 3 #6 THWN Conductor Instead Of THHN, Add</i>	1,622.57 274.14 11.30	319.87
26 05 33 13-0049 CLF 1" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor ..... Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 3 #12 THWN Conductor Instead Of THHN, Add</i>	1,581.29 250.56 2.61	292.31
26 05 33 13-0050 CLF 1" Rigid Galvanized Steel (RGS) Conduit Assembly With 4 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor ..... Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	1,648.21 265.41	309.64
26 05 33 13-0051 CLF 1" Rigid Galvanized Steel (RGS) Conduit Assembly With 5 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor ..... Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 5 #12 THWN Conductor Instead Of THHN, Add</i>	1,715.13 280.26 4.36	326.96
26 05 33 13-0052 CLF 1" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor ..... Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 3 #10 THWN Conductor Instead Of THHN, Add</i>	1,640.54 260.46 3.92	303.87
26 05 33 13-0053 CLF 1" Rigid Galvanized Steel (RGS) Conduit Assembly With 4 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor ..... Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 4 #10 THWN Conductor Instead Of THHN, Add</i>	1,724.46 277.78 5.22	324.07
26 05 33 13-0054 CLF 1" Rigid Galvanized Steel (RGS) Conduit Assembly With 5 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor ..... Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 5 #10 THWN Conductor Instead Of THHN, Add</i>	1,808.38 295.11 6.53	344.29
26 05 33 13-0055 CLF 1" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor ..... Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 3 #8 THWN Conductor Instead Of THHN, Add</i>	1,773.43 280.26 6.83	326.96
26 05 33 13-0056 CLF 1" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor ..... Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 3 #6 THWN Conductor Instead Of THHN, Add</i>	1,948.12 300.06 11.30	350.06
26 05 33 13-0057 CLF 1" Rigid Galvanized Steel (RGS) Conduit Assembly With 4 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor ..... Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 4 #6 THWN Conductor Instead Of THHN, Add</i>	2,114.18 327.29 15.06	381.83
26 05 33 13-0058 Conduit <sup>(26 05 33 13)</sup> Note: Where 4-1/2" conduit is required, use tasks for 5" conduit. Add couplings as required at each fitting.		
26 05 33 13-0059 Conduit Installed Above Grade <sup>(26 05 33 13-0058)</sup> See CSI section 26 05 29 00-0000 for supporting strap, hanger and fastening.		
26 05 33 13-0060 Rigid Galvanized Steel (RGS) Or Galvanized Rigid Steel Conduit (GRC) Conduit <sup>(26 05 33 13-0059)</sup> Note: Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.		





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>26 05 33 13-0061 Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling</b> <small>(26 05 33 13-0060)</small>		
<i>Note: Includes field bending for conduit up to 1".</i>		
26 05 33 13-0062 LF 1/2" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling .....	7.95	1.82
<i>For &gt;250 To 500, Deduct</i>	-0.17	
<i>For &gt;500 To 1,000, Deduct</i>	-0.48	
<i>For &gt;1,000, Deduct</i>	-0.68	
<i>For Installation In Metal Stud Wall, Add</i>	0.45	
<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	1.14	
<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.68	
<i>For Work In Restricted Working Space, Add</i>	1.36	
<i>For Elevated Installation &gt;10' To 15', Add</i>	0.45	
<i>For Elevated Installation &gt;15' To 20', Add</i>	0.91	
<i>For Elevated Installation &gt;20' To 25', Add</i>	1.14	
<i>For Elevated Installation &gt;25' To 30', Add</i>	1.59	
<i>For Elevated Installation &gt;30' To 35', Add</i>	1.82	
<i>For Elevated Installation &gt;35' To 40', Add</i>	2.27	
<i>For Elevated Installation &gt;40', Add</i>	2.50	
26 05 33 13-0063 LF 3/4" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling .....	9.49	1.98
<i>For &gt;250 To 500, Deduct</i>	-0.21	
<i>For &gt;500 To 1,000, Deduct</i>	-0.58	
<i>For &gt;1,000, Deduct</i>	-0.82	
<i>For Installation In Metal Stud Wall, Add</i>	0.53	
<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	1.32	
<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.79	
<i>For Work In Restricted Working Space, Add</i>	1.58	
<i>For Elevated Installation &gt;10' To 15', Add</i>	0.53	
<i>For Elevated Installation &gt;15' To 20', Add</i>	1.06	
<i>For Elevated Installation &gt;20' To 25', Add</i>	1.32	
<i>For Elevated Installation &gt;25' To 30', Add</i>	1.85	
<i>For Elevated Installation &gt;30' To 35', Add</i>	2.11	
<i>For Elevated Installation &gt;35' To 40', Add</i>	2.64	
<i>For Elevated Installation &gt;40', Add</i>	2.90	
26 05 33 13-0064 LF 1" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling .....	13.61	2.31
<i>For &gt;250 To 500, Deduct</i>	-0.33	
<i>For &gt;500 To 1,000, Deduct</i>	-0.84	
<i>For &gt;1,000, Deduct</i>	-1.18	
<i>For Installation In Metal Stud Wall, Add</i>	0.71	
<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	1.77	
<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	1.06	
<i>For Work In Restricted Working Space, Add</i>	2.13	
<i>For Elevated Installation &gt;10' To 15', Add</i>	0.71	
<i>For Elevated Installation &gt;15' To 20', Add</i>	1.42	
<i>For Elevated Installation &gt;20' To 25', Add</i>	1.77	
<i>For Elevated Installation &gt;25' To 30', Add</i>	2.48	
<i>For Elevated Installation &gt;30' To 35', Add</i>	2.84	
<i>For Elevated Installation &gt;35' To 40', Add</i>	3.55	
<i>For Elevated Installation &gt;40', Add</i>	3.90	
26 05 33 13-0065 LF 1-1/4" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling .....	16.20	2.64
<i>For &gt;250 To 500, Deduct</i>	-0.43	
<i>For &gt;500 To 1,000, Deduct</i>	-1.03	
<i>For &gt;1,000, Deduct</i>	-1.43	
<i>For Installation In Metal Stud Wall, Add</i>	0.75	
<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	1.88	
<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	1.13	
<i>For Work In Restricted Working Space, Add</i>	2.25	
<i>For Elevated Installation &gt;10' To 15', Add</i>	0.75	
<i>For Elevated Installation &gt;15' To 20', Add</i>	1.50	
<i>For Elevated Installation &gt;20' To 25', Add</i>	1.88	
<i>For Elevated Installation &gt;25' To 30', Add</i>	2.63	
<i>For Elevated Installation &gt;30' To 35', Add</i>	3.00	
<i>For Elevated Installation &gt;35' To 40', Add</i>	3.76	
<i>For Elevated Installation &gt;40', Add</i>	4.13	
26 05 33 13-0066 LF 1-1/2" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling .....	18.89	2.97
<i>For &gt;250 To 500, Deduct</i>	-0.53	
<i>For &gt;500 To 1,000, Deduct</i>	-1.21	
<i>For &gt;1,000, Deduct</i>	-1.68	
<i>For Installation In Metal Stud Wall, Add</i>	0.83	
<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	2.06	
<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	1.24	
<i>For Work In Restricted Working Space, Add</i>	2.48	
<i>For Elevated Installation &gt;10' To 15', Add</i>	0.83	
<i>For Elevated Installation &gt;15' To 20', Add</i>	1.65	
<i>For Elevated Installation &gt;20' To 25', Add</i>	2.06	
<i>For Elevated Installation &gt;25' To 30', Add</i>	2.89	
<i>For Elevated Installation &gt;30' To 35', Add</i>	3.30	
<i>For Elevated Installation &gt;35' To 40', Add</i>	4.13	
<i>For Elevated Installation &gt;40', Add</i>	4.54	

**26 Electrical**  
**26 05 Common Work Results for Electrical**  
**26 05 33 Raceway and Boxes for Electrical Systems**



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0067	LF	2" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling .....	24.38	3.63
		<i>For &gt;250 To 500, Deduct</i>	-0.71	
		<i>For &gt;500 To 1,000, Deduct</i>	-1.58	
		<i>For &gt;1,000, Deduct</i>	-2.18	
		<i>For Installation In Metal Stud Wall, Add</i>	1.01	
		<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	2.54	
		<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	1.52	
		<i>For Work In Restricted Working Space, Add</i>	3.04	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	1.01	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	2.03	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	2.54	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	3.55	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	4.06	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	5.07	
		<i>For Elevated Installation &gt;40', Add</i>	5.58	
26 05 33 13-0068	LF	2-1/2" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling .....	37.37	4.95
		<i>For &gt;250 To 500, Deduct</i>	-1.18	
		<i>For &gt;500 To 1,000, Deduct</i>	-2.46	
		<i>For &gt;1,000, Deduct</i>	-3.39	
		<i>For Installation In Metal Stud Wall, Add</i>	1.38	
		<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	3.45	
		<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	2.07	
		<i>For Work In Restricted Working Space, Add</i>	4.13	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	1.38	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	2.76	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	3.45	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	4.82	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	5.51	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	6.89	
		<i>For Elevated Installation &gt;40', Add</i>	7.58	
26 05 33 13-0069	LF	3" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling .....	48.58	6.60
		<i>For &gt;250 To 500, Deduct</i>	-1.50	
		<i>For &gt;500 To 1,000, Deduct</i>	-3.18	
		<i>For &gt;1,000, Deduct</i>	-4.39	
		<i>For Installation In Metal Stud Wall, Add</i>	1.86	
		<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	4.64	
		<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	2.78	
		<i>For Work In Restricted Working Space, Add</i>	5.57	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	1.86	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	3.71	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	4.64	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	6.50	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	7.42	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	9.28	
		<i>For Elevated Installation &gt;40', Add</i>	10.21	
26 05 33 13-0070	LF	3-1/2" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling .....	58.66	8.25
		<i>For &gt;250 To 500, Deduct</i>	-1.83	
		<i>For &gt;500 To 1,000, Deduct</i>	-3.85	
		<i>For &gt;1,000, Deduct</i>	-5.32	
		<i>For Installation In Metal Stud Wall, Add</i>	2.20	
		<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	5.51	
		<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	3.30	
		<i>For Work In Restricted Working Space, Add</i>	6.61	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	2.20	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	4.41	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	5.51	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	7.71	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	8.81	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	11.02	
		<i>For Elevated Installation &gt;40', Add</i>	12.12	
26 05 33 13-0071	LF	4" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling .....	70.16	9.90
		<i>For &gt;250 To 500, Deduct</i>	-2.24	
		<i>For &gt;500 To 1,000, Deduct</i>	-4.63	
		<i>For &gt;1,000, Deduct</i>	-6.38	
		<i>For Installation In Metal Stud Wall, Add</i>	2.54	
		<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	6.35	
		<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	3.81	
		<i>For Work In Restricted Working Space, Add</i>	7.62	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	2.54	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	5.08	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	6.35	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	8.89	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	10.16	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	12.71	
		<i>For Elevated Installation &gt;40', Add</i>	13.98	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0072 LF 5" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling .....	117.74	12.54
<i>For &gt;250 To 500, Deduct</i>	-4.32	
<i>For &gt;500 To 1,000, Deduct</i>	-8.05	
<i>For &gt;1,000, Deduct</i>	-10.99	
<i>For Installation In Metal Stud Wall, Add</i>	3.14	
<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	7.84	
<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	4.70	
<i>For Work In Restricted Working Space, Add</i>	9.41	
<i>For Elevated Installation &gt;10' To 15', Add</i>	3.14	
<i>For Elevated Installation &gt;15' To 20', Add</i>	6.27	
<i>For Elevated Installation &gt;20' To 25', Add</i>	7.84	
<i>For Elevated Installation &gt;25' To 30', Add</i>	10.97	
<i>For Elevated Installation &gt;30' To 35', Add</i>	12.54	
<i>For Elevated Installation &gt;35' To 40', Add</i>	15.68	
<i>For Elevated Installation &gt;40', Add</i>	17.24	
26 05 33 13-0073 LF 6" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling .....	161.03	15.84
<i>For &gt;250 To 500, Deduct</i>	-6.07	
<i>For &gt;500 To 1,000, Deduct</i>	-11.09	
<i>For &gt;1,000, Deduct</i>	-15.11	
<i>For Installation In Metal Stud Wall, Add</i>	3.96	
<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	9.90	
<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	5.94	
<i>For Work In Restricted Working Space, Add</i>	11.88	
<i>For Elevated Installation &gt;10' To 15', Add</i>	3.96	
<i>For Elevated Installation &gt;15' To 20', Add</i>	7.92	
<i>For Elevated Installation &gt;20' To 25', Add</i>	9.90	
<i>For Elevated Installation &gt;25' To 30', Add</i>	13.86	
<i>For Elevated Installation &gt;30' To 35', Add</i>	15.84	
<i>For Elevated Installation &gt;35' To 40', Add</i>	19.81	
<i>For Elevated Installation &gt;40', Add</i>	21.79	
<b>26 05 33 13-0074 Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow</b> <small>(26 05 33 13-0060)</small>		
<i>See CSI section 26 05 33 13-2314 for conduit field bending.</i>		
26 05 33 13-0075 EA 2" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow .....	76.83	18.23
<i>For Work In Restricted Working Space, Add</i>	13.66	
<i>For Elevated Installation &gt;10' To 15', Add</i>	4.55	
<i>For Elevated Installation &gt;15' To 20', Add</i>	9.11	
<i>For Elevated Installation &gt;20' To 25', Add</i>	11.39	
<i>For Elevated Installation &gt;25' To 30', Add</i>	15.94	
<i>For Elevated Installation &gt;30' To 35', Add</i>	18.22	
<i>For Elevated Installation &gt;35' To 40', Add</i>	22.77	
<i>For Elevated Installation &gt;40', Add</i>	25.05	
26 05 33 13-0076 EA 2-1/2" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow .....	112.68	22.77
<i>For Work In Restricted Working Space, Add</i>	17.08	
<i>For Elevated Installation &gt;10' To 15', Add</i>	5.69	
<i>For Elevated Installation &gt;15' To 20', Add</i>	11.38	
<i>For Elevated Installation &gt;20' To 25', Add</i>	14.23	
<i>For Elevated Installation &gt;25' To 30', Add</i>	19.92	
<i>For Elevated Installation &gt;30' To 35', Add</i>	22.77	
<i>For Elevated Installation &gt;35' To 40', Add</i>	28.46	
<i>For Elevated Installation &gt;40', Add</i>	31.31	
26 05 33 13-0077 EA 3" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow .....	160.56	31.03
<i>For Work In Restricted Working Space, Add</i>	23.26	
<i>For Elevated Installation &gt;10' To 15', Add</i>	7.75	
<i>For Elevated Installation &gt;15' To 20', Add</i>	15.51	
<i>For Elevated Installation &gt;20' To 25', Add</i>	19.39	
<i>For Elevated Installation &gt;25' To 30', Add</i>	27.14	
<i>For Elevated Installation &gt;30' To 35', Add</i>	31.02	
<i>For Elevated Installation &gt;35' To 40', Add</i>	38.77	
<i>For Elevated Installation &gt;40', Add</i>	42.65	
26 05 33 13-0078 EA 3-1/2" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow .....	217.26	34.98
<i>For Work In Restricted Working Space, Add</i>	26.24	
<i>For Elevated Installation &gt;10' To 15', Add</i>	8.75	
<i>For Elevated Installation &gt;15' To 20', Add</i>	17.49	
<i>For Elevated Installation &gt;20' To 25', Add</i>	21.87	
<i>For Elevated Installation &gt;25' To 30', Add</i>	30.61	
<i>For Elevated Installation &gt;30' To 35', Add</i>	34.99	
<i>For Elevated Installation &gt;35' To 40', Add</i>	43.74	
<i>For Elevated Installation &gt;40', Add</i>	48.11	
26 05 33 13-0079 EA 4" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow .....	263.40	45.55
<i>For Work In Restricted Working Space, Add</i>	34.15	
<i>For Elevated Installation &gt;10' To 15', Add</i>	11.38	
<i>For Elevated Installation &gt;15' To 20', Add</i>	22.77	
<i>For Elevated Installation &gt;20' To 25', Add</i>	28.46	
<i>For Elevated Installation &gt;25' To 30', Add</i>	39.84	
<i>For Elevated Installation &gt;30' To 35', Add</i>	45.53	
<i>For Elevated Installation &gt;35' To 40', Add</i>	56.92	
<i>For Elevated Installation &gt;40', Add</i>	62.61	

**26 Electrical**

**26 05 Common Work Results for Electrical**

**26 05 33 Raceway and Boxes for Electrical Systems**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0080	EA	5" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow .....	431.06	74.25
			<i>For Work In Restricted Working Space, Add</i>	55.69	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	18.56	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	37.13	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	46.41	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	64.97	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	74.26	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	92.82	
			<i>For Elevated Installation &gt;40', Add</i>	102.10	
26 05 33	13-0081	EA	6" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow .....	648.12	111.54
			<i>For Work In Restricted Working Space, Add</i>	83.65	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	27.88	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	55.77	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	69.71	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	97.59	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	111.54	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	139.42	
			<i>For Elevated Installation &gt;40', Add</i>	153.36	
<b>26 05 33 13-0082 Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow <small>(26 05 33 13-0060)</small></b>					
See CSI section 26 05 33 13-2314 for conduit field bending.					
26 05 33	13-0083	EA	1/2" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow .....	25.99	8.17
			<i>For Work In Restricted Working Space, Add</i>	6.15	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	2.05	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	4.10	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	5.12	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	7.17	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	8.20	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	10.25	
			<i>For Elevated Installation &gt;40', Add</i>	11.27	
26 05 33	13-0084	EA	3/4" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow .....	32.72	10.14
			<i>For Work In Restricted Working Space, Add</i>	7.64	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	2.55	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	5.09	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	6.37	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	8.91	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	10.19	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	12.74	
			<i>For Elevated Installation &gt;40', Add</i>	14.01	
26 05 33	13-0085	EA	1" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow .....	42.22	12.46
			<i>For Work In Restricted Working Space, Add</i>	9.32	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	3.11	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	6.21	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	7.77	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	10.87	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	12.42	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	15.53	
			<i>For Elevated Installation &gt;40', Add</i>	17.08	
26 05 33	13-0086	EA	1-1/4" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow .....	55.15	14.44
			<i>For Work In Restricted Working Space, Add</i>	10.82	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	3.61	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	7.21	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	9.02	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	12.62	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	14.42	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	18.03	
			<i>For Elevated Installation &gt;40', Add</i>	19.83	
26 05 33	13-0087	EA	1-1/2" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow .....	64.15	16.59
			<i>For Work In Restricted Working Space, Add</i>	12.42	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	4.14	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	8.28	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	10.35	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	14.49	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	16.56	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	20.70	
			<i>For Elevated Installation &gt;40', Add</i>	22.76	
26 05 33	13-0088	EA	2" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow .....	76.83	18.23
			<i>For Work In Restricted Working Space, Add</i>	13.66	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	4.55	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	9.11	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	11.39	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	15.94	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	18.22	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	22.77	
			<i>For Elevated Installation &gt;40', Add</i>	25.05	
26 05 33	13-0089	EA	2-1/2" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow .....	110.42	22.77
			<i>For Work In Restricted Working Space, Add</i>	17.08	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	5.69	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	11.38	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	14.23	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	19.92	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	22.77	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	28.46	
			<i>For Elevated Installation &gt;40', Add</i>	31.31	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0090 EA 3" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow .....	151.74	31.03
For Work In Restricted Working Space, Add	23.26	
For Elevated Installation >10' To 15', Add	7.75	
For Elevated Installation >15' To 20', Add	15.51	
For Elevated Installation >20' To 25', Add	19.39	
For Elevated Installation >25' To 30', Add	27.14	
For Elevated Installation >30' To 35', Add	31.02	
For Elevated Installation >35' To 40', Add	38.77	
For Elevated Installation >40', Add	42.65	
26 05 33 13-0091 EA 3-1/2" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow .....	204.86	34.98
For Work In Restricted Working Space, Add	26.24	
For Elevated Installation >10' To 15', Add	8.75	
For Elevated Installation >15' To 20', Add	17.49	
For Elevated Installation >20' To 25', Add	21.87	
For Elevated Installation >25' To 30', Add	30.61	
For Elevated Installation >30' To 35', Add	34.99	
For Elevated Installation >35' To 40', Add	43.74	
For Elevated Installation >40', Add	48.11	
26 05 33 13-0092 EA 4" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow .....	246.91	45.55
For Work In Restricted Working Space, Add	34.15	
For Elevated Installation >10' To 15', Add	11.38	
For Elevated Installation >15' To 20', Add	22.77	
For Elevated Installation >20' To 25', Add	28.46	
For Elevated Installation >25' To 30', Add	39.84	
For Elevated Installation >30' To 35', Add	45.53	
For Elevated Installation >35' To 40', Add	56.92	
For Elevated Installation >40', Add	62.61	
26 05 33 13-0093 EA 5" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow .....	431.06	74.25
For Work In Restricted Working Space, Add	55.69	
For Elevated Installation >10' To 15', Add	18.56	
For Elevated Installation >15' To 20', Add	37.13	
For Elevated Installation >20' To 25', Add	46.41	
For Elevated Installation >25' To 30', Add	64.97	
For Elevated Installation >30' To 35', Add	74.26	
For Elevated Installation >35' To 40', Add	92.82	
For Elevated Installation >40', Add	102.10	
26 05 33 13-0094 EA 6" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow .....	648.12	111.54
For Work In Restricted Working Space, Add	83.65	
For Elevated Installation >10' To 15', Add	27.88	
For Elevated Installation >15' To 20', Add	55.77	
For Elevated Installation >20' To 25', Add	69.71	
For Elevated Installation >25' To 30', Add	97.59	
For Elevated Installation >30' To 35', Add	111.54	
For Elevated Installation >35' To 40', Add	139.42	
For Elevated Installation >40', Add	153.36	
<b>26 05 33 13-0095 Rigid Galvanized Steel (RGS) 12" Large Radius Elbow</b> <small>(26 05 33 13-0060)</small>		
See CSI section 26 05 33 13-2314 for conduit field bending.		
26 05 33 13-0096 EA 1" Rigid Galvanized Steel (RGS) 12" Large Radius Elbow .....	67.34	20.38
For Work In Restricted Working Space, Add	12.23	
For Elevated Installation >10' To 15', Add	4.08	
For Elevated Installation >15' To 20', Add	8.15	
For Elevated Installation >20' To 25', Add	10.19	
For Elevated Installation >25' To 30', Add	14.27	
For Elevated Installation >30' To 35', Add	16.30	
For Elevated Installation >35' To 40', Add	20.38	
For Elevated Installation >40', Add	22.42	
26 05 33 13-0097 EA 1-1/4" Rigid Galvanized Steel (RGS) 12" Large Radius Elbow .....	77.53	23.60
For Work In Restricted Working Space, Add	14.16	
For Elevated Installation >10' To 15', Add	4.72	
For Elevated Installation >15' To 20', Add	9.44	
For Elevated Installation >20' To 25', Add	11.80	
For Elevated Installation >25' To 30', Add	16.52	
For Elevated Installation >30' To 35', Add	18.88	
For Elevated Installation >35' To 40', Add	23.60	
For Elevated Installation >40', Add	25.95	
26 05 33 13-0098 EA 1-1/2" Rigid Galvanized Steel (RGS) 12" Large Radius Elbow .....	89.96	26.81
For Work In Restricted Working Space, Add	16.09	
For Elevated Installation >10' To 15', Add	5.36	
For Elevated Installation >15' To 20', Add	10.72	
For Elevated Installation >20' To 25', Add	13.41	
For Elevated Installation >25' To 30', Add	18.77	
For Elevated Installation >30' To 35', Add	21.45	
For Elevated Installation >35' To 40', Add	26.81	
For Elevated Installation >40', Add	29.49	
26 05 33 13-0099 EA 2" Rigid Galvanized Steel (RGS) 12" Large Radius Elbow .....	101.81	29.49
For Work In Restricted Working Space, Add	17.70	
For Elevated Installation >10' To 15', Add	5.90	
For Elevated Installation >15' To 20', Add	11.80	
For Elevated Installation >20' To 25', Add	14.75	
For Elevated Installation >25' To 30', Add	20.65	
For Elevated Installation >30' To 35', Add	23.60	
For Elevated Installation >35' To 40', Add	29.50	
For Elevated Installation >40', Add	32.44	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>26 05 33 13-0100 Rigid Galvanized Steel (RGS) 15" Large Radius Elbow</b> <small>(26 05 33 13-0060)</small> See CSI section 26 05 33 13-2314 for conduit field bending.		
26 05 33 13-0101 EA 1" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow .....	74.23	20.38
For Work In Restricted Working Space, Add	12.23	
For Elevated Installation >10' To 15', Add	4.08	
For Elevated Installation >15' To 20', Add	8.15	
For Elevated Installation >20' To 25', Add	10.19	
For Elevated Installation >25' To 30', Add	14.27	
For Elevated Installation >30' To 35', Add	16.30	
For Elevated Installation >35' To 40', Add	20.38	
For Elevated Installation >40', Add	22.42	
26 05 33 13-0102 EA 1-1/4" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow .....	86.39	23.60
For Work In Restricted Working Space, Add	14.16	
For Elevated Installation >10' To 15', Add	4.72	
For Elevated Installation >15' To 20', Add	9.44	
For Elevated Installation >20' To 25', Add	11.80	
For Elevated Installation >25' To 30', Add	16.52	
For Elevated Installation >30' To 35', Add	18.88	
For Elevated Installation >35' To 40', Add	23.60	
For Elevated Installation >40', Add	25.95	
26 05 33 13-0103 EA 1-1/2" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow .....	94.00	26.81
For Work In Restricted Working Space, Add	16.09	
For Elevated Installation >10' To 15', Add	5.36	
For Elevated Installation >15' To 20', Add	10.72	
For Elevated Installation >20' To 25', Add	13.41	
For Elevated Installation >25' To 30', Add	18.77	
For Elevated Installation >30' To 35', Add	21.45	
For Elevated Installation >35' To 40', Add	26.81	
For Elevated Installation >40', Add	29.49	
26 05 33 13-0104 EA 2" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow .....	106.32	29.49
For Work In Restricted Working Space, Add	17.70	
For Elevated Installation >10' To 15', Add	5.90	
For Elevated Installation >15' To 20', Add	11.80	
For Elevated Installation >20' To 25', Add	14.75	
For Elevated Installation >25' To 30', Add	20.65	
For Elevated Installation >30' To 35', Add	23.60	
For Elevated Installation >35' To 40', Add	29.50	
For Elevated Installation >40', Add	32.44	
26 05 33 13-0105 EA 2-1/2" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow .....	142.69	37.01
For Work In Restricted Working Space, Add	22.20	
For Elevated Installation >10' To 15', Add	7.40	
For Elevated Installation >15' To 20', Add	14.80	
For Elevated Installation >20' To 25', Add	18.50	
For Elevated Installation >25' To 30', Add	25.90	
For Elevated Installation >30' To 35', Add	29.60	
For Elevated Installation >35' To 40', Add	37.00	
For Elevated Installation >40', Add	40.70	
26 05 33 13-0106 EA 3" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow .....	191.67	50.41
For Work In Restricted Working Space, Add	30.25	
For Elevated Installation >10' To 15', Add	10.08	
For Elevated Installation >15' To 20', Add	20.16	
For Elevated Installation >20' To 25', Add	25.21	
For Elevated Installation >25' To 30', Add	35.29	
For Elevated Installation >30' To 35', Add	40.33	
For Elevated Installation >35' To 40', Add	50.41	
For Elevated Installation >40', Add	55.45	
<b>26 05 33 13-0107 Rigid Galvanized Steel (RGS) 18" Large Radius Elbow</b> <small>(26 05 33 13-0060)</small> See CSI section 26 05 33 13-2314 for conduit field bending.		
26 05 33 13-0108 EA 1" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow .....	74.56	20.38
For Work In Restricted Working Space, Add	12.23	
For Elevated Installation >10' To 15', Add	4.08	
For Elevated Installation >15' To 20', Add	8.15	
For Elevated Installation >20' To 25', Add	10.19	
For Elevated Installation >25' To 30', Add	14.27	
For Elevated Installation >30' To 35', Add	16.30	
For Elevated Installation >35' To 40', Add	20.38	
For Elevated Installation >40', Add	22.42	
26 05 33 13-0109 EA 1-1/4" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow .....	85.51	23.60
For Work In Restricted Working Space, Add	14.16	
For Elevated Installation >10' To 15', Add	4.72	
For Elevated Installation >15' To 20', Add	9.44	
For Elevated Installation >20' To 25', Add	11.80	
For Elevated Installation >25' To 30', Add	16.52	
For Elevated Installation >30' To 35', Add	18.88	
For Elevated Installation >35' To 40', Add	23.60	
For Elevated Installation >40', Add	25.95	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0110 EA 1-1/2" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow.....	98.36	26.81
<i>For Work In Restricted Working Space, Add</i>	16.09	
<i>For Elevated Installation &gt;10' To 15', Add</i>	5.36	
<i>For Elevated Installation &gt;15' To 20', Add</i>	10.72	
<i>For Elevated Installation &gt;20' To 25', Add</i>	13.41	
<i>For Elevated Installation &gt;25' To 30', Add</i>	18.77	
<i>For Elevated Installation &gt;30' To 35', Add</i>	21.45	
<i>For Elevated Installation &gt;35' To 40', Add</i>	26.81	
<i>For Elevated Installation &gt;40', Add</i>	29.49	
26 05 33 13-0111 EA 2" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow.....	116.08	29.49
<i>For Work In Restricted Working Space, Add</i>	17.70	
<i>For Elevated Installation &gt;10' To 15', Add</i>	5.90	
<i>For Elevated Installation &gt;15' To 20', Add</i>	11.80	
<i>For Elevated Installation &gt;20' To 25', Add</i>	14.75	
<i>For Elevated Installation &gt;25' To 30', Add</i>	20.65	
<i>For Elevated Installation &gt;30' To 35', Add</i>	23.60	
<i>For Elevated Installation &gt;35' To 40', Add</i>	29.50	
<i>For Elevated Installation &gt;40', Add</i>	32.44	
26 05 33 13-0112 EA 2-1/2" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow.....	151.79	37.01
<i>For Work In Restricted Working Space, Add</i>	22.20	
<i>For Elevated Installation &gt;10' To 15', Add</i>	7.40	
<i>For Elevated Installation &gt;15' To 20', Add</i>	14.80	
<i>For Elevated Installation &gt;20' To 25', Add</i>	18.50	
<i>For Elevated Installation &gt;25' To 30', Add</i>	25.90	
<i>For Elevated Installation &gt;30' To 35', Add</i>	29.60	
<i>For Elevated Installation &gt;35' To 40', Add</i>	37.00	
<i>For Elevated Installation &gt;40', Add</i>	40.70	
26 05 33 13-0113 EA 3" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow.....	199.00	50.41
<i>For Work In Restricted Working Space, Add</i>	30.25	
<i>For Elevated Installation &gt;10' To 15', Add</i>	10.08	
<i>For Elevated Installation &gt;15' To 20', Add</i>	20.16	
<i>For Elevated Installation &gt;20' To 25', Add</i>	25.21	
<i>For Elevated Installation &gt;25' To 30', Add</i>	35.29	
<i>For Elevated Installation &gt;30' To 35', Add</i>	40.33	
<i>For Elevated Installation &gt;35' To 40', Add</i>	50.41	
<i>For Elevated Installation &gt;40', Add</i>	55.45	
26 05 33 13-0114 EA 3-1/2" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow.....	252.47	56.84
<i>For Work In Restricted Working Space, Add</i>	34.11	
<i>For Elevated Installation &gt;10' To 15', Add</i>	11.37	
<i>For Elevated Installation &gt;15' To 20', Add</i>	22.74	
<i>For Elevated Installation &gt;20' To 25', Add</i>	28.42	
<i>For Elevated Installation &gt;25' To 30', Add</i>	39.79	
<i>For Elevated Installation &gt;30' To 35', Add</i>	45.48	
<i>For Elevated Installation &gt;35' To 40', Add</i>	56.85	
<i>For Elevated Installation &gt;40', Add</i>	62.53	
26 05 33 13-0115 EA 4" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow.....	303.08	74.00
<i>For Work In Restricted Working Space, Add</i>	44.40	
<i>For Elevated Installation &gt;10' To 15', Add</i>	14.80	
<i>For Elevated Installation &gt;15' To 20', Add</i>	29.60	
<i>For Elevated Installation &gt;20' To 25', Add</i>	37.00	
<i>For Elevated Installation &gt;25' To 30', Add</i>	51.80	
<i>For Elevated Installation &gt;30' To 35', Add</i>	59.20	
<i>For Elevated Installation &gt;35' To 40', Add</i>	74.01	
<i>For Elevated Installation &gt;40', Add</i>	81.41	
<b>26 05 33 13-0116 Rigid Galvanized Steel (RGS) 24" Large Radius Elbow</b> <small>(26 05 33 13-0060)</small>		
<i>See CSI section 26 05 33 13-2314 for conduit field bending.</i>		
26 05 33 13-0117 EA 1" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow.....	85.55	20.38
<i>For Work In Restricted Working Space, Add</i>	12.23	
<i>For Elevated Installation &gt;10' To 15', Add</i>	4.08	
<i>For Elevated Installation &gt;15' To 20', Add</i>	8.15	
<i>For Elevated Installation &gt;20' To 25', Add</i>	10.19	
<i>For Elevated Installation &gt;25' To 30', Add</i>	14.27	
<i>For Elevated Installation &gt;30' To 35', Add</i>	16.30	
<i>For Elevated Installation &gt;35' To 40', Add</i>	20.38	
<i>For Elevated Installation &gt;40', Add</i>	22.42	
26 05 33 13-0118 EA 1-1/4" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow.....	96.30	23.60
<i>For Work In Restricted Working Space, Add</i>	14.16	
<i>For Elevated Installation &gt;10' To 15', Add</i>	4.72	
<i>For Elevated Installation &gt;15' To 20', Add</i>	9.44	
<i>For Elevated Installation &gt;20' To 25', Add</i>	11.80	
<i>For Elevated Installation &gt;25' To 30', Add</i>	16.52	
<i>For Elevated Installation &gt;30' To 35', Add</i>	18.88	
<i>For Elevated Installation &gt;35' To 40', Add</i>	23.60	
<i>For Elevated Installation &gt;40', Add</i>	25.95	
26 05 33 13-0119 EA 1-1/2" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow.....	106.44	26.81
<i>For Work In Restricted Working Space, Add</i>	16.09	
<i>For Elevated Installation &gt;10' To 15', Add</i>	5.36	
<i>For Elevated Installation &gt;15' To 20', Add</i>	10.72	
<i>For Elevated Installation &gt;20' To 25', Add</i>	13.41	
<i>For Elevated Installation &gt;25' To 30', Add</i>	18.77	
<i>For Elevated Installation &gt;30' To 35', Add</i>	21.45	
<i>For Elevated Installation &gt;35' To 40', Add</i>	26.81	
<i>For Elevated Installation &gt;40', Add</i>	29.49	

**26 Electrical**

**26 05 Common Work Results for Electrical**

**26 05 33 Raceway and Boxes for Electrical Systems**



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0120 EA 2" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow .....	127.99	29.49
For Work In Restricted Working Space, Add	17.70	
For Elevated Installation >10' To 15', Add	5.90	
For Elevated Installation >15' To 20', Add	11.80	
For Elevated Installation >20' To 25', Add	14.75	
For Elevated Installation >25' To 30', Add	20.65	
For Elevated Installation >30' To 35', Add	23.60	
For Elevated Installation >35' To 40', Add	29.50	
For Elevated Installation >40', Add	32.44	
26 05 33 13-0121 EA 2-1/2" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow .....	168.03	37.01
For Work In Restricted Working Space, Add	22.20	
For Elevated Installation >10' To 15', Add	7.40	
For Elevated Installation >15' To 20', Add	14.80	
For Elevated Installation >20' To 25', Add	18.50	
For Elevated Installation >25' To 30', Add	25.90	
For Elevated Installation >30' To 35', Add	29.60	
For Elevated Installation >35' To 40', Add	37.00	
For Elevated Installation >40', Add	40.70	
26 05 33 13-0122 EA 3" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow .....	224.46	50.41
For Work In Restricted Working Space, Add	30.25	
For Elevated Installation >10' To 15', Add	10.08	
For Elevated Installation >15' To 20', Add	20.16	
For Elevated Installation >20' To 25', Add	25.21	
For Elevated Installation >25' To 30', Add	35.29	
For Elevated Installation >30' To 35', Add	40.33	
For Elevated Installation >35' To 40', Add	50.41	
For Elevated Installation >40', Add	55.45	
26 05 33 13-0123 EA 3-1/2" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow .....	277.22	56.84
For Work In Restricted Working Space, Add	34.11	
For Elevated Installation >10' To 15', Add	11.37	
For Elevated Installation >15' To 20', Add	22.74	
For Elevated Installation >20' To 25', Add	28.42	
For Elevated Installation >25' To 30', Add	39.79	
For Elevated Installation >30' To 35', Add	45.48	
For Elevated Installation >35' To 40', Add	56.85	
For Elevated Installation >40', Add	62.53	
26 05 33 13-0124 EA 4" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow .....	322.81	74.00
For Work In Restricted Working Space, Add	44.40	
For Elevated Installation >10' To 15', Add	14.80	
For Elevated Installation >15' To 20', Add	29.60	
For Elevated Installation >20' To 25', Add	37.00	
For Elevated Installation >25' To 30', Add	51.80	
For Elevated Installation >30' To 35', Add	59.20	
For Elevated Installation >35' To 40', Add	74.01	
For Elevated Installation >40', Add	81.41	
<b>26 05 33 13-0125 Rigid Galvanized Steel (RGS) 30" Large Radius Elbow</b> <small>(26 05 33 13-0060)</small>		
See CSI section 26 05 33 13-2314 for conduit field bending.		
26 05 33 13-0126 EA 1" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow .....	84.88	20.38
For Work In Restricted Working Space, Add	12.23	
For Elevated Installation >10' To 15', Add	4.08	
For Elevated Installation >15' To 20', Add	8.15	
For Elevated Installation >20' To 25', Add	10.19	
For Elevated Installation >25' To 30', Add	14.27	
For Elevated Installation >30' To 35', Add	16.30	
For Elevated Installation >35' To 40', Add	20.38	
For Elevated Installation >40', Add	22.42	
26 05 33 13-0127 EA 1-1/4" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow .....	104.31	23.60
For Work In Restricted Working Space, Add	14.16	
For Elevated Installation >10' To 15', Add	4.72	
For Elevated Installation >15' To 20', Add	9.44	
For Elevated Installation >20' To 25', Add	11.80	
For Elevated Installation >25' To 30', Add	16.52	
For Elevated Installation >30' To 35', Add	18.88	
For Elevated Installation >35' To 40', Add	23.60	
For Elevated Installation >40', Add	25.95	
26 05 33 13-0128 EA 1-1/2" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow .....	115.12	26.81
For Work In Restricted Working Space, Add	16.09	
For Elevated Installation >10' To 15', Add	5.36	
For Elevated Installation >15' To 20', Add	10.72	
For Elevated Installation >20' To 25', Add	13.41	
For Elevated Installation >25' To 30', Add	18.77	
For Elevated Installation >30' To 35', Add	21.45	
For Elevated Installation >35' To 40', Add	26.81	
For Elevated Installation >40', Add	29.49	
26 05 33 13-0129 EA 2" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow .....	139.33	29.49
For Work In Restricted Working Space, Add	17.70	
For Elevated Installation >10' To 15', Add	5.90	
For Elevated Installation >15' To 20', Add	11.80	
For Elevated Installation >20' To 25', Add	14.75	
For Elevated Installation >25' To 30', Add	20.65	
For Elevated Installation >30' To 35', Add	23.60	
For Elevated Installation >35' To 40', Add	29.50	
For Elevated Installation >40', Add	32.44	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0130 EA 2-1/2" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow.....	183.60	37.01
For Work In Restricted Working Space, Add	22.20	
For Elevated Installation >10' To 15', Add	7.40	
For Elevated Installation >15' To 20', Add	14.80	
For Elevated Installation >20' To 25', Add	18.50	
For Elevated Installation >25' To 30', Add	25.90	
For Elevated Installation >30' To 35', Add	29.60	
For Elevated Installation >35' To 40', Add	37.00	
For Elevated Installation >40', Add	40.70	
26 05 33 13-0131 EA 3" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow.....	244.56	50.41
For Work In Restricted Working Space, Add	30.25	
For Elevated Installation >10' To 15', Add	10.08	
For Elevated Installation >15' To 20', Add	20.16	
For Elevated Installation >20' To 25', Add	25.21	
For Elevated Installation >25' To 30', Add	35.29	
For Elevated Installation >30' To 35', Add	40.33	
For Elevated Installation >35' To 40', Add	50.41	
For Elevated Installation >40', Add	55.45	
26 05 33 13-0132 EA 3-1/2" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow.....	301.68	56.84
For Work In Restricted Working Space, Add	34.11	
For Elevated Installation >10' To 15', Add	11.37	
For Elevated Installation >15' To 20', Add	22.74	
For Elevated Installation >20' To 25', Add	28.42	
For Elevated Installation >25' To 30', Add	39.79	
For Elevated Installation >30' To 35', Add	45.48	
For Elevated Installation >35' To 40', Add	56.85	
For Elevated Installation >40', Add	62.53	
26 05 33 13-0133 EA 4" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow.....	359.02	74.00
For Work In Restricted Working Space, Add	44.40	
For Elevated Installation >10' To 15', Add	14.80	
For Elevated Installation >15' To 20', Add	29.60	
For Elevated Installation >20' To 25', Add	37.00	
For Elevated Installation >25' To 30', Add	51.80	
For Elevated Installation >30' To 35', Add	59.20	
For Elevated Installation >35' To 40', Add	74.01	
For Elevated Installation >40', Add	81.41	
26 05 33 13-0134 EA 5" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow.....	512.35	120.66
For Work In Restricted Working Space, Add	72.40	
For Elevated Installation >10' To 15', Add	24.13	
For Elevated Installation >15' To 20', Add	48.26	
For Elevated Installation >20' To 25', Add	60.33	
For Elevated Installation >25' To 30', Add	84.46	
For Elevated Installation >30' To 35', Add	96.53	
For Elevated Installation >35' To 40', Add	120.66	
For Elevated Installation >40', Add	132.73	
<b>26 05 33 13-0135 Rigid Galvanized Steel (RGS) 36" Large Radius Elbow</b> (26 05 33 13-0060)		
See CSI section 26 05 33 13-2314 for conduit field bending.		
26 05 33 13-0136 EA 1" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow.....	90.75	20.38
For Work In Restricted Working Space, Add	12.23	
For Elevated Installation >10' To 15', Add	4.08	
For Elevated Installation >15' To 20', Add	8.15	
For Elevated Installation >20' To 25', Add	10.19	
For Elevated Installation >25' To 30', Add	14.27	
For Elevated Installation >30' To 35', Add	16.30	
For Elevated Installation >35' To 40', Add	20.38	
For Elevated Installation >40', Add	22.42	
26 05 33 13-0137 EA 1-1/4" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow.....	108.26	23.60
For Work In Restricted Working Space, Add	14.16	
For Elevated Installation >10' To 15', Add	4.72	
For Elevated Installation >15' To 20', Add	9.44	
For Elevated Installation >20' To 25', Add	11.80	
For Elevated Installation >25' To 30', Add	16.52	
For Elevated Installation >30' To 35', Add	18.88	
For Elevated Installation >35' To 40', Add	23.60	
For Elevated Installation >40', Add	25.95	
26 05 33 13-0138 EA 1-1/2" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow.....	130.33	26.81
For Work In Restricted Working Space, Add	16.09	
For Elevated Installation >10' To 15', Add	5.36	
For Elevated Installation >15' To 20', Add	10.72	
For Elevated Installation >20' To 25', Add	13.41	
For Elevated Installation >25' To 30', Add	18.77	
For Elevated Installation >30' To 35', Add	21.45	
For Elevated Installation >35' To 40', Add	26.81	
For Elevated Installation >40', Add	29.49	
26 05 33 13-0139 EA 2" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow.....	148.19	29.49
For Work In Restricted Working Space, Add	17.70	
For Elevated Installation >10' To 15', Add	5.90	
For Elevated Installation >15' To 20', Add	11.80	
For Elevated Installation >20' To 25', Add	14.75	
For Elevated Installation >25' To 30', Add	20.65	
For Elevated Installation >30' To 35', Add	23.60	
For Elevated Installation >35' To 40', Add	29.50	
For Elevated Installation >40', Add	32.44	

**26 Electrical**

**26 05 Common Work Results for Electrical**

**26 05 33 Raceway and Boxes for Electrical Systems**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0140	EA	2-1/2" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	202.08	37.01
			<i>For Work In Restricted Working Space, Add</i>	22.20	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	7.40	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	14.80	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	18.50	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	25.90	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	29.60	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	37.00	
			<i>For Elevated Installation &gt;40', Add</i>	40.70	
26 05 33	13-0141	EA	3" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	261.75	50.41
			<i>For Work In Restricted Working Space, Add</i>	30.25	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	10.08	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	20.16	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	25.21	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	35.29	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	40.33	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	50.41	
			<i>For Elevated Installation &gt;40', Add</i>	55.45	
26 05 33	13-0142	EA	3-1/2" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	333.28	56.84
			<i>For Work In Restricted Working Space, Add</i>	34.11	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	11.37	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	22.74	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	28.42	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	39.79	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	45.48	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	56.85	
			<i>For Elevated Installation &gt;40', Add</i>	62.53	
26 05 33	13-0143	EA	4" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	376.06	74.00
			<i>For Work In Restricted Working Space, Add</i>	44.40	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	14.80	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	29.60	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	37.00	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	51.80	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	59.20	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	74.01	
			<i>For Elevated Installation &gt;40', Add</i>	81.41	
26 05 33	13-0144	EA	5" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	651.34	120.66
			<i>For Work In Restricted Working Space, Add</i>	72.40	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	24.13	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	48.26	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	60.33	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	84.46	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	96.53	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	120.66	
			<i>For Elevated Installation &gt;40', Add</i>	132.73	
26 05 33	13-0145	EA	6" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	812.99	181.26
			<i>For Work In Restricted Working Space, Add</i>	108.76	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	36.25	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	72.51	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	90.63	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	126.89	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	145.01	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	181.27	
			<i>For Elevated Installation &gt;40', Add</i>	199.39	
26 05 33	13-0146		<b>Rigid Galvanized Steel (RGS) 42" Large Radius Elbow</b> <small>(26 05 33 13-0060)</small>		
			See CSI section 26 05 33 13-2314 for conduit field bending.		
26 05 33	13-0147	EA	1" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	99.35	20.38
			<i>For Work In Restricted Working Space, Add</i>	12.23	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	4.08	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	8.15	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	10.19	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	14.27	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	16.30	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	20.38	
			<i>For Elevated Installation &gt;40', Add</i>	22.42	
26 05 33	13-0148	EA	1-1/4" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	118.76	23.60
			<i>For Work In Restricted Working Space, Add</i>	14.16	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	4.72	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	9.44	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	11.80	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	16.52	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	18.88	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	23.60	
			<i>For Elevated Installation &gt;40', Add</i>	25.95	
26 05 33	13-0149	EA	1-1/2" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	141.50	26.81
			<i>For Work In Restricted Working Space, Add</i>	16.09	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	5.36	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	10.73	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	13.41	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	18.77	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	21.45	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	26.82	
			<i>For Elevated Installation &gt;40', Add</i>	29.50	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0150 EA 2" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow.....	159.86	29.49
For Work In Restricted Working Space, Add	17.70	
For Elevated Installation >10' To 15', Add	5.90	
For Elevated Installation >15' To 20', Add	11.80	
For Elevated Installation >20' To 25', Add	14.75	
For Elevated Installation >25' To 30', Add	20.65	
For Elevated Installation >30' To 35', Add	23.60	
For Elevated Installation >35' To 40', Add	29.50	
For Elevated Installation >40', Add	32.44	
26 05 33 13-0151 EA 2-1/2" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow.....	216.21	37.01
For Work In Restricted Working Space, Add	22.20	
For Elevated Installation >10' To 15', Add	7.40	
For Elevated Installation >15' To 20', Add	14.80	
For Elevated Installation >20' To 25', Add	18.50	
For Elevated Installation >25' To 30', Add	25.90	
For Elevated Installation >30' To 35', Add	29.60	
For Elevated Installation >35' To 40', Add	37.01	
For Elevated Installation >40', Add	40.71	
26 05 33 13-0152 EA 3" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow.....	286.94	50.41
For Work In Restricted Working Space, Add	30.25	
For Elevated Installation >10' To 15', Add	10.08	
For Elevated Installation >15' To 20', Add	20.16	
For Elevated Installation >20' To 25', Add	25.21	
For Elevated Installation >25' To 30', Add	35.29	
For Elevated Installation >30' To 35', Add	40.33	
For Elevated Installation >35' To 40', Add	50.41	
For Elevated Installation >40', Add	55.45	
26 05 33 13-0153 EA 3-1/2" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow.....	358.54	56.84
For Work In Restricted Working Space, Add	34.11	
For Elevated Installation >10' To 15', Add	11.37	
For Elevated Installation >15' To 20', Add	22.74	
For Elevated Installation >20' To 25', Add	28.42	
For Elevated Installation >25' To 30', Add	39.79	
For Elevated Installation >30' To 35', Add	45.48	
For Elevated Installation >35' To 40', Add	56.85	
For Elevated Installation >40', Add	62.53	
26 05 33 13-0154 EA 4" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow.....	448.74	74.00
For Work In Restricted Working Space, Add	44.40	
For Elevated Installation >10' To 15', Add	14.80	
For Elevated Installation >15' To 20', Add	29.60	
For Elevated Installation >20' To 25', Add	37.00	
For Elevated Installation >25' To 30', Add	51.80	
For Elevated Installation >30' To 35', Add	59.20	
For Elevated Installation >35' To 40', Add	74.01	
For Elevated Installation >40', Add	81.41	
26 05 33 13-0155 EA 5" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow.....	751.61	120.66
For Work In Restricted Working Space, Add	72.40	
For Elevated Installation >10' To 15', Add	24.13	
For Elevated Installation >15' To 20', Add	48.26	
For Elevated Installation >20' To 25', Add	60.33	
For Elevated Installation >25' To 30', Add	84.46	
For Elevated Installation >30' To 35', Add	96.53	
For Elevated Installation >35' To 40', Add	120.66	
For Elevated Installation >40', Add	132.73	
26 05 33 13-0156 EA 6" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow.....	899.81	181.26
For Work In Restricted Working Space, Add	108.76	
For Elevated Installation >10' To 15', Add	36.25	
For Elevated Installation >15' To 20', Add	72.51	
For Elevated Installation >20' To 25', Add	90.63	
For Elevated Installation >25' To 30', Add	126.89	
For Elevated Installation >30' To 35', Add	145.01	
For Elevated Installation >35' To 40', Add	181.27	
For Elevated Installation >40', Add	199.39	
<b>26 05 33 13-0157 Rigid Galvanized Steel (RGS) 48" Large Radius Elbow</b> <small>(26 05 33 13-0060)</small>		
See CSI section 26 05 33 13-2314 for conduit field bending.		
26 05 33 13-0158 EA 1" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	106.51	20.38
For Work In Restricted Working Space, Add	12.23	
For Elevated Installation >10' To 15', Add	4.08	
For Elevated Installation >15' To 20', Add	8.15	
For Elevated Installation >20' To 25', Add	10.19	
For Elevated Installation >25' To 30', Add	14.27	
For Elevated Installation >30' To 35', Add	16.30	
For Elevated Installation >35' To 40', Add	20.38	
For Elevated Installation >40', Add	22.42	
26 05 33 13-0159 EA 1-1/4" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	126.85	23.60
For Work In Restricted Working Space, Add	14.16	
For Elevated Installation >10' To 15', Add	4.72	
For Elevated Installation >15' To 20', Add	9.44	
For Elevated Installation >20' To 25', Add	11.80	
For Elevated Installation >25' To 30', Add	16.52	
For Elevated Installation >30' To 35', Add	18.88	
For Elevated Installation >35' To 40', Add	23.60	
For Elevated Installation >40', Add	25.95	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0160 EA 1-1/2" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	148.56	26.81
For Work In Restricted Working Space, Add	16.09	
For Elevated Installation >10' To 15', Add	5.36	
For Elevated Installation >15' To 20', Add	10.73	
For Elevated Installation >20' To 25', Add	13.41	
For Elevated Installation >25' To 30', Add	18.77	
For Elevated Installation >30' To 35', Add	21.45	
For Elevated Installation >35' To 40', Add	26.82	
For Elevated Installation >40', Add	29.50	
26 05 33 13-0161 EA 2" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	181.67	29.49
For Work In Restricted Working Space, Add	17.70	
For Elevated Installation >10' To 15', Add	5.90	
For Elevated Installation >15' To 20', Add	11.80	
For Elevated Installation >20' To 25', Add	14.75	
For Elevated Installation >25' To 30', Add	20.65	
For Elevated Installation >30' To 35', Add	23.60	
For Elevated Installation >35' To 40', Add	29.50	
For Elevated Installation >40', Add	32.44	
26 05 33 13-0162 EA 2-1/2" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	242.27	37.01
For Work In Restricted Working Space, Add	22.20	
For Elevated Installation >10' To 15', Add	7.40	
For Elevated Installation >15' To 20', Add	14.80	
For Elevated Installation >20' To 25', Add	18.50	
For Elevated Installation >25' To 30', Add	25.90	
For Elevated Installation >30' To 35', Add	29.60	
For Elevated Installation >35' To 40', Add	37.01	
For Elevated Installation >40', Add	40.71	
26 05 33 13-0163 EA 3" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	312.32	50.41
For Work In Restricted Working Space, Add	30.25	
For Elevated Installation >10' To 15', Add	10.08	
For Elevated Installation >15' To 20', Add	20.16	
For Elevated Installation >20' To 25', Add	25.21	
For Elevated Installation >25' To 30', Add	35.29	
For Elevated Installation >30' To 35', Add	40.33	
For Elevated Installation >35' To 40', Add	50.41	
For Elevated Installation >40', Add	55.45	
26 05 33 13-0164 EA 3-1/2" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	390.30	56.84
For Work In Restricted Working Space, Add	34.11	
For Elevated Installation >10' To 15', Add	11.37	
For Elevated Installation >15' To 20', Add	22.74	
For Elevated Installation >20' To 25', Add	28.42	
For Elevated Installation >25' To 30', Add	39.79	
For Elevated Installation >30' To 35', Add	45.48	
For Elevated Installation >35' To 40', Add	56.85	
For Elevated Installation >40', Add	62.53	
26 05 33 13-0165 EA 4" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	487.32	74.00
For Work In Restricted Working Space, Add	44.40	
For Elevated Installation >10' To 15', Add	14.80	
For Elevated Installation >15' To 20', Add	29.60	
For Elevated Installation >20' To 25', Add	37.00	
For Elevated Installation >25' To 30', Add	51.80	
For Elevated Installation >30' To 35', Add	59.20	
For Elevated Installation >35' To 40', Add	74.01	
For Elevated Installation >40', Add	81.41	
26 05 33 13-0166 EA 5" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	783.01	120.66
For Work In Restricted Working Space, Add	72.40	
For Elevated Installation >10' To 15', Add	24.13	
For Elevated Installation >15' To 20', Add	48.26	
For Elevated Installation >20' To 25', Add	60.33	
For Elevated Installation >25' To 30', Add	84.46	
For Elevated Installation >30' To 35', Add	96.53	
For Elevated Installation >35' To 40', Add	120.66	
For Elevated Installation >40', Add	132.73	
26 05 33 13-0167 EA 6" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	917.38	181.26
For Work In Restricted Working Space, Add	108.76	
For Elevated Installation >10' To 15', Add	36.25	
For Elevated Installation >15' To 20', Add	72.51	
For Elevated Installation >20' To 25', Add	90.63	
For Elevated Installation >25' To 30', Add	126.89	
For Elevated Installation >30' To 35', Add	145.01	
For Elevated Installation >35' To 40', Add	181.27	
For Elevated Installation >40', Add	199.39	
<b>26 05 33 13-0168 Rigid Galvanized Steel (RGS) Plastic Insulating Bushing (26 05 33 13-0060)</b>		
26 05 33 13-0169 EA 1/2" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing.....	10.91	5.26
For Work In Restricted Working Space, Add	3.16	
For Elevated Installation >10' To 15', Add	1.05	
For Elevated Installation >15' To 20', Add	2.10	
For Elevated Installation >20' To 25', Add	2.63	
For Elevated Installation >25' To 30', Add	3.68	
For Elevated Installation >30' To 35', Add	4.21	
For Elevated Installation >35' To 40', Add	5.26	
For Elevated Installation >40', Add	5.79	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.16	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0170 EA 3/4" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing .....	11.73	5.61
For Work In Restricted Working Space, Add	3.37	
For Elevated Installation >10' To 15', Add	1.12	
For Elevated Installation >15' To 20', Add	2.24	
For Elevated Installation >20' To 25', Add	2.81	
For Elevated Installation >25' To 30', Add	3.93	
For Elevated Installation >30' To 35', Add	4.49	
For Elevated Installation >35' To 40', Add	5.61	
For Elevated Installation >40', Add	6.17	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.37	
26 05 33 13-0171 EA 1" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing .....	13.40	6.31
For Work In Restricted Working Space, Add	3.79	
For Elevated Installation >10' To 15', Add	1.26	
For Elevated Installation >15' To 20', Add	2.52	
For Elevated Installation >20' To 25', Add	3.16	
For Elevated Installation >25' To 30', Add	4.42	
For Elevated Installation >30' To 35', Add	5.05	
For Elevated Installation >35' To 40', Add	6.31	
For Elevated Installation >40', Add	6.94	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.79	
26 05 33 13-0172 EA 1-1/4" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing .....	15.15	7.01
For Work In Restricted Working Space, Add	4.21	
For Elevated Installation >10' To 15', Add	1.40	
For Elevated Installation >15' To 20', Add	2.81	
For Elevated Installation >20' To 25', Add	3.51	
For Elevated Installation >25' To 30', Add	4.91	
For Elevated Installation >30' To 35', Add	5.61	
For Elevated Installation >35' To 40', Add	7.02	
For Elevated Installation >40', Add	7.72	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.21	
26 05 33 13-0173 EA 1-1/2" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing .....	19.07	8.77
For Work In Restricted Working Space, Add	5.26	
For Elevated Installation >10' To 15', Add	1.75	
For Elevated Installation >15' To 20', Add	3.51	
For Elevated Installation >20' To 25', Add	4.38	
For Elevated Installation >25' To 30', Add	6.14	
For Elevated Installation >30' To 35', Add	7.01	
For Elevated Installation >35' To 40', Add	8.77	
For Elevated Installation >40', Add	9.64	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.26	
26 05 33 13-0174 EA 2" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing .....	23.89	10.52
For Work In Restricted Working Space, Add	6.31	
For Elevated Installation >10' To 15', Add	2.10	
For Elevated Installation >15' To 20', Add	4.21	
For Elevated Installation >20' To 25', Add	5.26	
For Elevated Installation >25' To 30', Add	7.36	
For Elevated Installation >30' To 35', Add	8.42	
For Elevated Installation >35' To 40', Add	10.52	
For Elevated Installation >40', Add	11.57	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.31	
26 05 33 13-0175 EA 2-1/2" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing .....	30.84	12.27
For Work In Restricted Working Space, Add	7.36	
For Elevated Installation >10' To 15', Add	2.45	
For Elevated Installation >15' To 20', Add	4.91	
For Elevated Installation >20' To 25', Add	6.14	
For Elevated Installation >25' To 30', Add	8.59	
For Elevated Installation >30' To 35', Add	9.82	
For Elevated Installation >35' To 40', Add	12.27	
For Elevated Installation >40', Add	13.50	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.36	
26 05 33 13-0176 EA 3" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing .....	34.70	14.03
For Work In Restricted Working Space, Add	8.42	
For Elevated Installation >10' To 15', Add	2.81	
For Elevated Installation >15' To 20', Add	5.61	
For Elevated Installation >20' To 25', Add	7.02	
For Elevated Installation >25' To 30', Add	9.82	
For Elevated Installation >30' To 35', Add	11.22	
For Elevated Installation >35' To 40', Add	14.03	
For Elevated Installation >40', Add	15.43	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.42	
26 05 33 13-0177 EA 3-1/2" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing .....	40.78	13.20
For Work In Restricted Working Space, Add	9.47	
For Elevated Installation >10' To 15', Add	3.16	
For Elevated Installation >15' To 20', Add	6.31	
For Elevated Installation >20' To 25', Add	7.89	
For Elevated Installation >25' To 30', Add	11.05	
For Elevated Installation >30' To 35', Add	12.62	
For Elevated Installation >35' To 40', Add	15.78	
For Elevated Installation >40', Add	17.36	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.47	

**26 Electrical**

**26 05 Common Work Results for Electrical**

**26 05 33 Raceway and Boxes for Electrical Systems**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0178	EA	4" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing ..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	45.22 10.52 3.51 7.01 8.77 12.27 14.02 17.53 19.28 10.52	17.53
26 05 33	13-0179	EA	5" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing ..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	55.89 11.57 3.86 7.71 9.64 13.50 15.43 19.29 21.21 11.57	19.29
26 05 33	13-0180	EA	6" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing ..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	85.94 12.62 4.21 8.41 10.52 14.72 16.83 21.04 23.14 12.62	21.04
<b>26 05 33 13-0181 Rigid Galvanized Steel (RGS) Steel Bushing (26 05 33 13-0060)</b>					
26 05 33	13-0182	EA	1/2" Rigid Galvanized Steel (RGS) Steel Bushing ..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.33 3.71 1.24 2.47 3.09 4.33 4.95 6.19 6.80 3.71	6.19
26 05 33	13-0183	EA	3/4" Rigid Galvanized Steel (RGS) Steel Bushing ..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.61 3.96 1.32 2.64 3.30 4.62 5.28 6.60 7.26 3.96	6.60
26 05 33	13-0184	EA	1" Rigid Galvanized Steel (RGS) Steel Bushing ..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.29 4.46 1.49 2.97 3.71 5.20 5.94 7.43 8.17 4.46	7.43
26 05 33	13-0185	EA	1-1/4" Rigid Galvanized Steel (RGS) Steel Bushing ..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.52 4.95 1.65 3.30 4.13 5.78 6.60 8.25 9.08 4.95	8.25
26 05 33	13-0186	EA	1-1/2" Rigid Galvanized Steel (RGS) Steel Bushing ..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.09 6.19 2.06 4.13 5.16 7.22 8.25 10.32 11.35 6.19	10.32



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0187 EA 2" Rigid Galvanized Steel (RGS) Steel Bushing .....	29.55	12.37
<i>For Work In Restricted Working Space, Add</i>	7.43	
<i>For Elevated Installation &gt;10' To 15', Add</i>	2.48	
<i>For Elevated Installation &gt;15' To 20', Add</i>	4.95	
<i>For Elevated Installation &gt;20' To 25', Add</i>	6.19	
<i>For Elevated Installation &gt;25' To 30', Add</i>	8.66	
<i>For Elevated Installation &gt;30' To 35', Add</i>	9.90	
<i>For Elevated Installation &gt;35' To 40', Add</i>	12.38	
<i>For Elevated Installation &gt;40', Add</i>	13.61	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.43	
26 05 33 13-0188 EA 2-1/2" Rigid Galvanized Steel (RGS) Steel Bushing .....	43.96	14.44
<i>For Work In Restricted Working Space, Add</i>	8.66	
<i>For Elevated Installation &gt;10' To 15', Add</i>	2.89	
<i>For Elevated Installation &gt;15' To 20', Add</i>	5.78	
<i>For Elevated Installation &gt;20' To 25', Add</i>	7.22	
<i>For Elevated Installation &gt;25' To 30', Add</i>	10.11	
<i>For Elevated Installation &gt;30' To 35', Add</i>	11.55	
<i>For Elevated Installation &gt;35' To 40', Add</i>	14.44	
<i>For Elevated Installation &gt;40', Add</i>	15.88	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.66	
26 05 33 13-0189 EA 3" Rigid Galvanized Steel (RGS) Steel Bushing .....	52.79	16.50
<i>For Work In Restricted Working Space, Add</i>	9.90	
<i>For Elevated Installation &gt;10' To 15', Add</i>	3.30	
<i>For Elevated Installation &gt;15' To 20', Add</i>	6.60	
<i>For Elevated Installation &gt;20' To 25', Add</i>	8.25	
<i>For Elevated Installation &gt;25' To 30', Add</i>	11.55	
<i>For Elevated Installation &gt;30' To 35', Add</i>	13.20	
<i>For Elevated Installation &gt;35' To 40', Add</i>	16.50	
<i>For Elevated Installation &gt;40', Add</i>	18.15	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.90	
26 05 33 13-0190 EA 3-1/2" Rigid Galvanized Steel (RGS) Steel Bushing .....	83.34	18.56
<i>For Work In Restricted Working Space, Add</i>	11.14	
<i>For Elevated Installation &gt;10' To 15', Add</i>	3.71	
<i>For Elevated Installation &gt;15' To 20', Add</i>	7.43	
<i>For Elevated Installation &gt;20' To 25', Add</i>	9.28	
<i>For Elevated Installation &gt;25' To 30', Add</i>	13.00	
<i>For Elevated Installation &gt;30' To 35', Add</i>	14.85	
<i>For Elevated Installation &gt;35' To 40', Add</i>	18.57	
<i>For Elevated Installation &gt;40', Add</i>	20.42	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.14	
26 05 33 13-0191 EA 4" Rigid Galvanized Steel (RGS) Steel Bushing .....	116.20	20.63
<i>For Work In Restricted Working Space, Add</i>	12.38	
<i>For Elevated Installation &gt;10' To 15', Add</i>	4.13	
<i>For Elevated Installation &gt;15' To 20', Add</i>	8.25	
<i>For Elevated Installation &gt;20' To 25', Add</i>	10.31	
<i>For Elevated Installation &gt;25' To 30', Add</i>	14.44	
<i>For Elevated Installation &gt;30' To 35', Add</i>	16.50	
<i>For Elevated Installation &gt;35' To 40', Add</i>	20.63	
<i>For Elevated Installation &gt;40', Add</i>	22.69	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.38	
26 05 33 13-0192 EA 5" Rigid Galvanized Steel (RGS) Steel Bushing .....	159.05	22.69
<i>For Work In Restricted Working Space, Add</i>	13.61	
<i>For Elevated Installation &gt;10' To 15', Add</i>	4.54	
<i>For Elevated Installation &gt;15' To 20', Add</i>	9.07	
<i>For Elevated Installation &gt;20' To 25', Add</i>	11.34	
<i>For Elevated Installation &gt;25' To 30', Add</i>	15.88	
<i>For Elevated Installation &gt;30' To 35', Add</i>	18.15	
<i>For Elevated Installation &gt;35' To 40', Add</i>	22.69	
<i>For Elevated Installation &gt;40', Add</i>	24.95	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.61	
26 05 33 13-0193 EA 6" Rigid Galvanized Steel (RGS) Steel Bushing .....	241.36	24.75
<i>For Work In Restricted Working Space, Add</i>	14.85	
<i>For Elevated Installation &gt;10' To 15', Add</i>	4.95	
<i>For Elevated Installation &gt;15' To 20', Add</i>	9.90	
<i>For Elevated Installation &gt;20' To 25', Add</i>	12.38	
<i>For Elevated Installation &gt;25' To 30', Add</i>	17.33	
<i>For Elevated Installation &gt;30' To 35', Add</i>	19.80	
<i>For Elevated Installation &gt;35' To 40', Add</i>	24.75	
<i>For Elevated Installation &gt;40', Add</i>	27.23	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.85	
<b>26 05 33 13-0194 Rigid Galvanized Steel (RGS) Steel Insulated Bushing</b> (26 05 33 13-0060)		
26 05 33 13-0195 EA 1/2" Rigid Galvanized Steel (RGS) Steel Insulated Bushing .....	14.47	6.19
<i>For Work In Restricted Working Space, Add</i>	3.71	
<i>For Elevated Installation &gt;10' To 15', Add</i>	1.24	
<i>For Elevated Installation &gt;15' To 20', Add</i>	2.47	
<i>For Elevated Installation &gt;20' To 25', Add</i>	3.09	
<i>For Elevated Installation &gt;25' To 30', Add</i>	4.33	
<i>For Elevated Installation &gt;30' To 35', Add</i>	4.95	
<i>For Elevated Installation &gt;35' To 40', Add</i>	6.19	
<i>For Elevated Installation &gt;40', Add</i>	6.80	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.71	

**26 Electrical**

**26 05 Common Work Results for Electrical**

**26 05 33 Raceway and Boxes for Electrical Systems**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0196	EA	3/4" Rigid Galvanized Steel (RGS) Steel Insulated Bushing.....	16.32	6.60
			<i>For Work In Restricted Working Space, Add</i>	3.96	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.32	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	2.64	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	3.30	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	4.62	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	5.28	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	6.60	
			<i>For Elevated Installation &gt;40', Add</i>	7.26	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.96	
26 05 33	13-0197	EA	1" Rigid Galvanized Steel (RGS) Steel Insulated Bushing.....	19.45	7.43
			<i>For Work In Restricted Working Space, Add</i>	4.46	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.49	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	2.97	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	3.71	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	5.20	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	5.94	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	7.43	
			<i>For Elevated Installation &gt;40', Add</i>	8.17	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.46	
26 05 33	13-0198	EA	1-1/4" Rigid Galvanized Steel (RGS) Steel Insulated Bushing .....	23.16	8.25
			<i>For Work In Restricted Working Space, Add</i>	4.95	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.65	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	3.30	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	4.13	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	5.78	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	6.60	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	8.25	
			<i>For Elevated Installation &gt;40', Add</i>	9.08	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.95	
26 05 33	13-0199	EA	1-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Bushing .....	28.89	10.32
			<i>For Work In Restricted Working Space, Add</i>	6.19	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	2.06	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	4.13	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	5.16	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	7.22	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	8.25	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	10.32	
			<i>For Elevated Installation &gt;40', Add</i>	11.35	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.19	
26 05 33	13-0200	EA	2" Rigid Galvanized Steel (RGS) Steel Insulated Bushing.....	36.28	12.37
			<i>For Work In Restricted Working Space, Add</i>	7.43	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	2.48	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	4.95	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	6.19	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	8.66	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	9.90	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	12.38	
			<i>For Elevated Installation &gt;40', Add</i>	13.61	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.43	
26 05 33	13-0201	EA	2-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Bushing .....	53.09	14.44
			<i>For Work In Restricted Working Space, Add</i>	8.66	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	2.89	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	5.78	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	7.22	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	10.11	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	11.55	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	14.44	
			<i>For Elevated Installation &gt;40', Add</i>	15.88	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.66	
26 05 33	13-0202	EA	3" Rigid Galvanized Steel (RGS) Steel Insulated Bushing.....	63.49	16.50
			<i>For Work In Restricted Working Space, Add</i>	9.90	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	3.30	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	6.60	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	8.25	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	11.55	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	13.20	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	16.50	
			<i>For Elevated Installation &gt;40', Add</i>	18.15	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.90	
26 05 33	13-0203	EA	3-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Bushing .....	85.33	18.56
			<i>For Work In Restricted Working Space, Add</i>	11.14	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	3.71	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	7.43	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	9.28	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	13.00	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	14.85	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	18.57	
			<i>For Elevated Installation &gt;40', Add</i>	20.42	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.14	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0204 EA 4" Rigid Galvanized Steel (RGS) Steel Insulated Bushing.....	125.11	20.63
For Work In Restricted Working Space, Add	12.38	
For Elevated Installation >10' To 15', Add	4.13	
For Elevated Installation >15' To 20', Add	8.25	
For Elevated Installation >20' To 25', Add	10.31	
For Elevated Installation >25' To 30', Add	14.44	
For Elevated Installation >30' To 35', Add	16.50	
For Elevated Installation >35' To 40', Add	20.63	
For Elevated Installation >40', Add	22.69	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.38	
26 05 33 13-0205 EA 5" Rigid Galvanized Steel (RGS) Steel Insulated Bushing.....	168.76	22.69
For Work In Restricted Working Space, Add	13.61	
For Elevated Installation >10' To 15', Add	4.54	
For Elevated Installation >15' To 20', Add	9.07	
For Elevated Installation >20' To 25', Add	11.34	
For Elevated Installation >25' To 30', Add	15.88	
For Elevated Installation >30' To 35', Add	18.15	
For Elevated Installation >35' To 40', Add	22.69	
For Elevated Installation >40', Add	24.95	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.61	
26 05 33 13-0206 EA 6" Rigid Galvanized Steel (RGS) Steel Insulated Bushing.....	244.79	24.75
For Work In Restricted Working Space, Add	14.85	
For Elevated Installation >10' To 15', Add	4.95	
For Elevated Installation >15' To 20', Add	9.90	
For Elevated Installation >20' To 25', Add	12.38	
For Elevated Installation >25' To 30', Add	17.33	
For Elevated Installation >30' To 35', Add	19.80	
For Elevated Installation >35' To 40', Add	24.75	
For Elevated Installation >40', Add	27.23	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.85	
<b>26 05 33 13-0207 Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing</b> (26 05 33 13-0060)		
26 05 33 13-0208 EA 1/2" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing.....	23.32	7.43
For Work In Restricted Working Space, Add	4.46	
For Elevated Installation >10' To 15', Add	1.49	
For Elevated Installation >15' To 20', Add	2.97	
For Elevated Installation >20' To 25', Add	3.71	
For Elevated Installation >25' To 30', Add	5.20	
For Elevated Installation >30' To 35', Add	5.94	
For Elevated Installation >35' To 40', Add	7.43	
For Elevated Installation >40', Add	8.17	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.46	
26 05 33 13-0209 EA 3/4" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing.....	26.17	8.25
For Work In Restricted Working Space, Add	4.95	
For Elevated Installation >10' To 15', Add	1.65	
For Elevated Installation >15' To 20', Add	3.30	
For Elevated Installation >20' To 25', Add	4.13	
For Elevated Installation >25' To 30', Add	5.78	
For Elevated Installation >30' To 35', Add	6.60	
For Elevated Installation >35' To 40', Add	8.25	
For Elevated Installation >40', Add	9.08	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.95	
26 05 33 13-0210 EA 1" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing.....	30.21	9.07
For Work In Restricted Working Space, Add	5.45	
For Elevated Installation >10' To 15', Add	1.82	
For Elevated Installation >15' To 20', Add	3.63	
For Elevated Installation >20' To 25', Add	4.54	
For Elevated Installation >25' To 30', Add	6.35	
For Elevated Installation >30' To 35', Add	7.26	
For Elevated Installation >35' To 40', Add	9.08	
For Elevated Installation >40', Add	9.98	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.45	
26 05 33 13-0211 EA 1-1/4" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing.....	36.23	10.32
For Work In Restricted Working Space, Add	6.19	
For Elevated Installation >10' To 15', Add	2.06	
For Elevated Installation >15' To 20', Add	4.13	
For Elevated Installation >20' To 25', Add	5.16	
For Elevated Installation >25' To 30', Add	7.22	
For Elevated Installation >30' To 35', Add	8.25	
For Elevated Installation >35' To 40', Add	10.32	
For Elevated Installation >40', Add	11.35	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.19	
26 05 33 13-0212 EA 1-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing.....	43.58	12.78
For Work In Restricted Working Space, Add	7.67	
For Elevated Installation >10' To 15', Add	2.56	
For Elevated Installation >15' To 20', Add	5.12	
For Elevated Installation >20' To 25', Add	6.40	
For Elevated Installation >25' To 30', Add	8.95	
For Elevated Installation >30' To 35', Add	10.23	
For Elevated Installation >35' To 40', Add	12.79	
For Elevated Installation >40', Add	14.07	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.67	

**26 Electrical**

**26 05 Common Work Results for Electrical**

**26 05 33 Raceway and Boxes for Electrical Systems**



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0213 EA 2" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing .....	55.53	15.26
For Work In Restricted Working Space, Add	9.16	
For Elevated Installation >10' To 15', Add	3.05	
For Elevated Installation >15' To 20', Add	6.10	
For Elevated Installation >20' To 25', Add	7.63	
For Elevated Installation >25' To 30', Add	10.68	
For Elevated Installation >30' To 35', Add	12.21	
For Elevated Installation >35' To 40', Add	15.26	
For Elevated Installation >40', Add	16.79	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.16	
26 05 33 13-0214 EA 2-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing .....	76.34	17.74
For Work In Restricted Working Space, Add	10.64	
For Elevated Installation >10' To 15', Add	3.55	
For Elevated Installation >15' To 20', Add	7.10	
For Elevated Installation >20' To 25', Add	8.87	
For Elevated Installation >25' To 30', Add	12.42	
For Elevated Installation >30' To 35', Add	14.19	
For Elevated Installation >35' To 40', Add	17.74	
For Elevated Installation >40', Add	19.51	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.64	
26 05 33 13-0215 EA 3" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing .....	83.40	20.63
For Work In Restricted Working Space, Add	12.38	
For Elevated Installation >10' To 15', Add	4.13	
For Elevated Installation >15' To 20', Add	8.25	
For Elevated Installation >20' To 25', Add	10.31	
For Elevated Installation >25' To 30', Add	14.44	
For Elevated Installation >30' To 35', Add	16.50	
For Elevated Installation >35' To 40', Add	20.63	
For Elevated Installation >40', Add	22.69	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.38	
26 05 33 13-0216 EA 3-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing .....	94.47	23.10
For Work In Restricted Working Space, Add	13.86	
For Elevated Installation >10' To 15', Add	4.62	
For Elevated Installation >15' To 20', Add	9.24	
For Elevated Installation >20' To 25', Add	11.55	
For Elevated Installation >25' To 30', Add	16.17	
For Elevated Installation >30' To 35', Add	18.48	
For Elevated Installation >35' To 40', Add	23.10	
For Elevated Installation >40', Add	25.41	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.86	
26 05 33 13-0217 EA 4" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing .....	125.04	25.58
For Work In Restricted Working Space, Add	15.35	
For Elevated Installation >10' To 15', Add	5.12	
For Elevated Installation >15' To 20', Add	10.23	
For Elevated Installation >20' To 25', Add	12.79	
For Elevated Installation >25' To 30', Add	17.90	
For Elevated Installation >30' To 35', Add	20.46	
For Elevated Installation >35' To 40', Add	25.58	
For Elevated Installation >40', Add	28.13	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.35	
26 05 33 13-0218 EA 5" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing .....	183.29	28.06
For Work In Restricted Working Space, Add	16.83	
For Elevated Installation >10' To 15', Add	5.61	
For Elevated Installation >15' To 20', Add	11.22	
For Elevated Installation >20' To 25', Add	14.03	
For Elevated Installation >25' To 30', Add	19.64	
For Elevated Installation >30' To 35', Add	22.44	
For Elevated Installation >35' To 40', Add	28.05	
For Elevated Installation >40', Add	30.86	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.83	
26 05 33 13-0219 EA 6" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing .....	257.94	30.94
For Work In Restricted Working Space, Add	18.56	
For Elevated Installation >10' To 15', Add	6.19	
For Elevated Installation >15' To 20', Add	12.38	
For Elevated Installation >20' To 25', Add	15.47	
For Elevated Installation >25' To 30', Add	21.66	
For Elevated Installation >30' To 35', Add	24.75	
For Elevated Installation >35' To 40', Add	30.94	
For Elevated Installation >40', Add	34.03	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.56	
<b>26 05 33 13-0220 Rigid Galvanized Steel (RGS) Box Connectors With Set Screw</b> <small>(26 05 33 13-0060)</small>		
26 05 33 13-0221 EA 1/2" Rigid Galvanized Steel (RGS) Box Connector With Set Screw .....	14.89	3.79
For Work In Restricted Working Space, Add	2.82	
For Elevated Installation >10' To 15', Add	0.94	
For Elevated Installation >15' To 20', Add	1.88	
For Elevated Installation >20' To 25', Add	2.35	
For Elevated Installation >25' To 30', Add	3.29	
For Elevated Installation >30' To 35', Add	3.76	
For Elevated Installation >35' To 40', Add	4.71	
For Elevated Installation >40', Add	5.18	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.82	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0222 EA 3/4" Rigid Galvanized Steel (RGS) Box Connector With Set Screw .....	18.51	4.37
For Work In Restricted Working Space, Add	3.27	
For Elevated Installation >10' To 15', Add	1.09	
For Elevated Installation >15' To 20', Add	2.18	
For Elevated Installation >20' To 25', Add	2.73	
For Elevated Installation >25' To 30', Add	3.82	
For Elevated Installation >30' To 35', Add	4.36	
For Elevated Installation >35' To 40', Add	5.45	
For Elevated Installation >40', Add	6.00	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.27	
26 05 33 13-0223 EA 1" Rigid Galvanized Steel (RGS) Box Connector With Set Screw .....	25.27	5.28
For Work In Restricted Working Space, Add	3.94	
For Elevated Installation >10' To 15', Add	1.31	
For Elevated Installation >15' To 20', Add	2.63	
For Elevated Installation >20' To 25', Add	3.29	
For Elevated Installation >25' To 30', Add	4.60	
For Elevated Installation >30' To 35', Add	5.26	
For Elevated Installation >35' To 40', Add	6.57	
For Elevated Installation >40', Add	7.23	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.94	
26 05 33 13-0224 EA 1-1/4" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw .....	40.14	6.52
For Work In Restricted Working Space, Add	4.91	
For Elevated Installation >10' To 15', Add	1.64	
For Elevated Installation >15' To 20', Add	3.27	
For Elevated Installation >20' To 25', Add	4.09	
For Elevated Installation >25' To 30', Add	5.72	
For Elevated Installation >30' To 35', Add	6.54	
For Elevated Installation >35' To 40', Add	8.18	
For Elevated Installation >40', Add	8.99	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.91	
26 05 33 13-0225 EA 1-1/2" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw .....	54.55	8.75
For Work In Restricted Working Space, Add	6.56	
For Elevated Installation >10' To 15', Add	2.19	
For Elevated Installation >15' To 20', Add	4.38	
For Elevated Installation >20' To 25', Add	5.47	
For Elevated Installation >25' To 30', Add	7.66	
For Elevated Installation >30' To 35', Add	8.75	
For Elevated Installation >35' To 40', Add	10.94	
For Elevated Installation >40', Add	12.03	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.56	
26 05 33 13-0226 EA 2" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw .....	96.83	13.11
For Work In Restricted Working Space, Add	9.83	
For Elevated Installation >10' To 15', Add	3.28	
For Elevated Installation >15' To 20', Add	6.55	
For Elevated Installation >20' To 25', Add	8.19	
For Elevated Installation >25' To 30', Add	11.47	
For Elevated Installation >30' To 35', Add	13.11	
For Elevated Installation >35' To 40', Add	16.39	
For Elevated Installation >40', Add	18.02	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.83	
26 05 33 13-0227 EA 2-1/2" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw .....	194.84	14.52
For Work In Restricted Working Space, Add	10.89	
For Elevated Installation >10' To 15', Add	3.63	
For Elevated Installation >15' To 20', Add	7.26	
For Elevated Installation >20' To 25', Add	9.08	
For Elevated Installation >25' To 30', Add	12.71	
For Elevated Installation >30' To 35', Add	14.52	
For Elevated Installation >35' To 40', Add	18.15	
For Elevated Installation >40', Add	19.97	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.89	
26 05 33 13-0228 EA 3" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw .....	231.63	17.57
For Work In Restricted Working Space, Add	13.19	
For Elevated Installation >10' To 15', Add	4.40	
For Elevated Installation >15' To 20', Add	8.79	
For Elevated Installation >20' To 25', Add	10.99	
For Elevated Installation >25' To 30', Add	15.39	
For Elevated Installation >30' To 35', Add	17.59	
For Elevated Installation >35' To 40', Add	21.99	
For Elevated Installation >40', Add	24.18	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.19	
26 05 33 13-0229 EA 3-1/2" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw .....	317.12	22.03
For Work In Restricted Working Space, Add	16.51	
For Elevated Installation >10' To 15', Add	5.50	
For Elevated Installation >15' To 20', Add	11.01	
For Elevated Installation >20' To 25', Add	13.76	
For Elevated Installation >25' To 30', Add	19.26	
For Elevated Installation >30' To 35', Add	22.02	
For Elevated Installation >35' To 40', Add	27.52	
For Elevated Installation >40', Add	30.27	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.51	

**26 Electrical**

**26 05 Common Work Results for Electrical**

**26 05 33 Raceway and Boxes for Electrical Systems**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0230	EA	4" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw.....	370.14	26.40
			<i>For Work In Restricted Working Space, Add</i>	19.80	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	6.60	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	13.20	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	16.50	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	23.10	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	26.40	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	33.00	
			<i>For Elevated Installation &gt;40', Add</i>	36.30	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.80	
26 05 33	13-0231	EA	5" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw.....	688.10	29.37
			<i>For Work In Restricted Working Space, Add</i>	22.00	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	7.33	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	14.67	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	18.34	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	25.67	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	29.34	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	36.67	
			<i>For Elevated Installation &gt;40', Add</i>	40.34	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.00	
26 05 33	13-0232	EA	6" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw.....	826.66	33.00
			<i>For Work In Restricted Working Space, Add</i>	24.74	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	8.25	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	16.50	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	20.62	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	28.87	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	32.99	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	41.24	
			<i>For Elevated Installation &gt;40', Add</i>	45.36	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.74	
26 05 33	13-0233		<b>Rigid Galvanized Steel (RGS) Nipples</b> <small>(26 05 33 13-0060)</small>		
26 05 33	13-0234	EA	1/2" x 2" Long, Rigid Galvanized Steel (RGS) Nipple.....	12.55	5.36
			<i>For Work In Restricted Working Space, Add</i>	3.22	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.07	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	2.15	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	2.68	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	3.76	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	4.29	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	5.37	
			<i>For Elevated Installation &gt;40', Add</i>	5.90	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.22	
26 05 33	13-0235	EA	3/4" x 2" Long, Rigid Galvanized Steel (RGS) Nipple.....	14.41	6.19
			<i>For Work In Restricted Working Space, Add</i>	3.71	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.24	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	2.47	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	3.09	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	4.33	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	4.95	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	6.19	
			<i>For Elevated Installation &gt;40', Add</i>	6.80	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.71	
26 05 33	13-0236	EA	1" x 2" Long, Rigid Galvanized Steel (RGS) Nipple.....	18.53	7.84
			<i>For Work In Restricted Working Space, Add</i>	4.70	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.57	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	3.13	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	3.92	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	5.48	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	6.27	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	7.84	
			<i>For Elevated Installation &gt;40', Add</i>	8.62	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.70	
26 05 33	13-0237	EA	1-1/4" x 2" Long, Rigid Galvanized Steel (RGS) Nipple.....	21.78	9.07
			<i>For Work In Restricted Working Space, Add</i>	5.45	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.82	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	3.63	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	4.54	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	6.35	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	7.26	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	9.08	
			<i>For Elevated Installation &gt;40', Add</i>	9.98	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.45	
26 05 33	13-0238	EA	1-1/2" x 2" Long, Rigid Galvanized Steel (RGS) Nipple.....	24.93	10.32
			<i>For Work In Restricted Working Space, Add</i>	6.19	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	2.06	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	4.12	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	5.16	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	7.22	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	8.25	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	10.31	
			<i>For Elevated Installation &gt;40', Add</i>	11.34	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.19	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0239 EA 1/2" x 2-1/2" Long, Rigid Galvanized Steel (RGS) Nipple.....	12.69	5.36
For Work In Restricted Working Space, Add	3.22	
For Elevated Installation >10' To 15', Add	1.07	
For Elevated Installation >15' To 20', Add	2.15	
For Elevated Installation >20' To 25', Add	2.68	
For Elevated Installation >25' To 30', Add	3.76	
For Elevated Installation >30' To 35', Add	4.29	
For Elevated Installation >35' To 40', Add	5.37	
For Elevated Installation >40', Add	5.90	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.22	
26 05 33 13-0240 EA 3/4" x 2-1/2" Long, Rigid Galvanized Steel (RGS) Nipple.....	14.65	6.19
For Work In Restricted Working Space, Add	3.71	
For Elevated Installation >10' To 15', Add	1.24	
For Elevated Installation >15' To 20', Add	2.47	
For Elevated Installation >20' To 25', Add	3.09	
For Elevated Installation >25' To 30', Add	4.33	
For Elevated Installation >30' To 35', Add	4.95	
For Elevated Installation >35' To 40', Add	6.19	
For Elevated Installation >40', Add	6.80	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.71	
26 05 33 13-0241 EA 1" x 2-1/2" Long, Rigid Galvanized Steel (RGS) Nipple.....	18.78	7.84
For Work In Restricted Working Space, Add	4.70	
For Elevated Installation >10' To 15', Add	1.57	
For Elevated Installation >15' To 20', Add	3.13	
For Elevated Installation >20' To 25', Add	3.92	
For Elevated Installation >25' To 30', Add	5.48	
For Elevated Installation >30' To 35', Add	6.27	
For Elevated Installation >35' To 40', Add	7.64	
For Elevated Installation >40', Add	8.62	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.70	
26 05 33 13-0242 EA 1-1/4" x 2-1/2" Long, Rigid Galvanized Steel (RGS) Nipple.....	22.13	9.07
For Work In Restricted Working Space, Add	5.45	
For Elevated Installation >10' To 15', Add	1.82	
For Elevated Installation >15' To 20', Add	3.63	
For Elevated Installation >20' To 25', Add	4.54	
For Elevated Installation >25' To 30', Add	6.35	
For Elevated Installation >30' To 35', Add	7.26	
For Elevated Installation >35' To 40', Add	9.08	
For Elevated Installation >40', Add	9.98	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.45	
26 05 33 13-0243 EA 1-1/2" x 2-1/2" Long, Rigid Galvanized Steel (RGS) Nipple.....	25.48	10.32
For Work In Restricted Working Space, Add	6.19	
For Elevated Installation >10' To 15', Add	2.06	
For Elevated Installation >15' To 20', Add	4.12	
For Elevated Installation >20' To 25', Add	5.16	
For Elevated Installation >25' To 30', Add	7.22	
For Elevated Installation >30' To 35', Add	8.25	
For Elevated Installation >35' To 40', Add	10.31	
For Elevated Installation >40', Add	11.34	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.19	
26 05 33 13-0244 EA 2" x 2-1/2" Long, Rigid Galvanized Steel (RGS) Nipple.....	28.97	11.55
For Work In Restricted Working Space, Add	6.93	
For Elevated Installation >10' To 15', Add	2.31	
For Elevated Installation >15' To 20', Add	4.62	
For Elevated Installation >20' To 25', Add	5.78	
For Elevated Installation >25' To 30', Add	8.09	
For Elevated Installation >30' To 35', Add	9.24	
For Elevated Installation >35' To 40', Add	11.55	
For Elevated Installation >40', Add	12.71	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.93	
26 05 33 13-0245 EA 1/2" x 3" Long, Rigid Galvanized Steel (RGS) Nipple.....	12.85	5.36
For Work In Restricted Working Space, Add	3.22	
For Elevated Installation >10' To 15', Add	1.07	
For Elevated Installation >15' To 20', Add	2.15	
For Elevated Installation >20' To 25', Add	2.68	
For Elevated Installation >25' To 30', Add	3.76	
For Elevated Installation >30' To 35', Add	4.29	
For Elevated Installation >35' To 40', Add	5.37	
For Elevated Installation >40', Add	5.90	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.22	
26 05 33 13-0246 EA 3/4" x 3" Long, Rigid Galvanized Steel (RGS) Nipple.....	14.85	6.19
For Work In Restricted Working Space, Add	3.71	
For Elevated Installation >10' To 15', Add	1.24	
For Elevated Installation >15' To 20', Add	2.47	
For Elevated Installation >20' To 25', Add	3.09	
For Elevated Installation >25' To 30', Add	4.33	
For Elevated Installation >30' To 35', Add	4.95	
For Elevated Installation >35' To 40', Add	6.19	
For Elevated Installation >40', Add	6.80	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.71	

**26 Electrical**

**26 05 Common Work Results for Electrical**

**26 05 33 Raceway and Boxes for Electrical Systems**



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0247 EA 1" x 3" Long, Rigid Galvanized Steel (RGS) Nipple .....	19.13	7.84
For Work In Restricted Working Space, Add	4.70	
For Elevated Installation >10' To 15', Add	1.57	
For Elevated Installation >15' To 20', Add	3.13	
For Elevated Installation >20' To 25', Add	3.92	
For Elevated Installation >25' To 30', Add	5.48	
For Elevated Installation >30' To 35', Add	6.27	
For Elevated Installation >35' To 40', Add	7.84	
For Elevated Installation >40', Add	8.62	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.70	
26 05 33 13-0248 EA 1-1/4" x 3" Long, Rigid Galvanized Steel (RGS) Nipple .....	22.44	9.07
For Work In Restricted Working Space, Add	5.45	
For Elevated Installation >10' To 15', Add	1.82	
For Elevated Installation >15' To 20', Add	3.63	
For Elevated Installation >20' To 25', Add	4.54	
For Elevated Installation >25' To 30', Add	6.35	
For Elevated Installation >30' To 35', Add	7.26	
For Elevated Installation >35' To 40', Add	9.08	
For Elevated Installation >40', Add	9.98	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.45	
26 05 33 13-0249 EA 1-1/2" x 3" Long, Rigid Galvanized Steel (RGS) Nipple .....	25.85	10.32
For Work In Restricted Working Space, Add	6.19	
For Elevated Installation >10' To 15', Add	2.06	
For Elevated Installation >15' To 20', Add	4.12	
For Elevated Installation >20' To 25', Add	5.16	
For Elevated Installation >25' To 30', Add	7.22	
For Elevated Installation >30' To 35', Add	8.25	
For Elevated Installation >35' To 40', Add	10.31	
For Elevated Installation >40', Add	11.34	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.19	
26 05 33 13-0250 EA 2" x 3" Long, Rigid Galvanized Steel (RGS) Nipple .....	29.89	11.55
For Work In Restricted Working Space, Add	6.93	
For Elevated Installation >10' To 15', Add	2.31	
For Elevated Installation >15' To 20', Add	4.62	
For Elevated Installation >20' To 25', Add	5.78	
For Elevated Installation >25' To 30', Add	8.09	
For Elevated Installation >30' To 35', Add	9.24	
For Elevated Installation >35' To 40', Add	11.55	
For Elevated Installation >40', Add	12.71	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.93	
26 05 33 13-0251 EA 2-1/2" x 3" Long, Rigid Galvanized Steel (RGS) Nipple .....	42.07	14.03
For Work In Restricted Working Space, Add	8.42	
For Elevated Installation >10' To 15', Add	2.81	
For Elevated Installation >15' To 20', Add	5.61	
For Elevated Installation >20' To 25', Add	7.01	
For Elevated Installation >25' To 30', Add	9.82	
For Elevated Installation >30' To 35', Add	11.22	
For Elevated Installation >35' To 40', Add	14.03	
For Elevated Installation >40', Add	15.43	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.42	
26 05 33 13-0252 EA 3" x 3" Long, Rigid Galvanized Steel (RGS) Nipple .....	56.00	19.39
For Work In Restricted Working Space, Add	11.63	
For Elevated Installation >10' To 15', Add	3.88	
For Elevated Installation >15' To 20', Add	7.75	
For Elevated Installation >20' To 25', Add	9.69	
For Elevated Installation >25' To 30', Add	13.57	
For Elevated Installation >30' To 35', Add	15.51	
For Elevated Installation >35' To 40', Add	19.39	
For Elevated Installation >40', Add	21.32	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.63	
26 05 33 13-0253 EA 1/2" x 3-1/2" Long, Rigid Galvanized Steel (RGS) Nipple .....	13.06	5.36
For Work In Restricted Working Space, Add	3.22	
For Elevated Installation >10' To 15', Add	1.07	
For Elevated Installation >15' To 20', Add	2.15	
For Elevated Installation >20' To 25', Add	2.68	
For Elevated Installation >25' To 30', Add	3.76	
For Elevated Installation >30' To 35', Add	4.29	
For Elevated Installation >35' To 40', Add	5.37	
For Elevated Installation >40', Add	5.90	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.22	
26 05 33 13-0254 EA 3/4" x 3-1/2" Long, Rigid Galvanized Steel (RGS) Nipple .....	14.96	6.19
For Work In Restricted Working Space, Add	3.71	
For Elevated Installation >10' To 15', Add	1.24	
For Elevated Installation >15' To 20', Add	2.47	
For Elevated Installation >20' To 25', Add	3.09	
For Elevated Installation >25' To 30', Add	4.33	
For Elevated Installation >30' To 35', Add	4.95	
For Elevated Installation >35' To 40', Add	6.19	
For Elevated Installation >40', Add	6.80	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.71	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0255 EA 1" x 3-1/2" Long, Rigid Galvanized Steel (RGS) Nipple.....	19.60	7.84
<i>For Work In Restricted Working Space, Add</i>	4.70	
<i>For Elevated Installation &gt;10' To 15', Add</i>	1.57	
<i>For Elevated Installation &gt;15' To 20', Add</i>	3.13	
<i>For Elevated Installation &gt;20' To 25', Add</i>	3.92	
<i>For Elevated Installation &gt;25' To 30', Add</i>	5.48	
<i>For Elevated Installation &gt;30' To 35', Add</i>	6.27	
<i>For Elevated Installation &gt;35' To 40', Add</i>	7.84	
<i>For Elevated Installation &gt;40', Add</i>	8.62	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.70	
26 05 33 13-0256 EA 1-1/4" x 3-1/2" Long, Rigid Galvanized Steel (RGS) Nipple.....	23.03	9.07
<i>For Work In Restricted Working Space, Add</i>	5.45	
<i>For Elevated Installation &gt;10' To 15', Add</i>	1.82	
<i>For Elevated Installation &gt;15' To 20', Add</i>	3.63	
<i>For Elevated Installation &gt;20' To 25', Add</i>	4.54	
<i>For Elevated Installation &gt;25' To 30', Add</i>	6.35	
<i>For Elevated Installation &gt;30' To 35', Add</i>	7.26	
<i>For Elevated Installation &gt;35' To 40', Add</i>	9.08	
<i>For Elevated Installation &gt;40', Add</i>	9.98	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.45	
26 05 33 13-0257 EA 1-1/2" x 3-1/2" Long, Rigid Galvanized Steel (RGS) Nipple.....	26.63	10.32
<i>For Work In Restricted Working Space, Add</i>	6.19	
<i>For Elevated Installation &gt;10' To 15', Add</i>	2.06	
<i>For Elevated Installation &gt;15' To 20', Add</i>	4.12	
<i>For Elevated Installation &gt;20' To 25', Add</i>	5.16	
<i>For Elevated Installation &gt;25' To 30', Add</i>	7.22	
<i>For Elevated Installation &gt;30' To 35', Add</i>	8.25	
<i>For Elevated Installation &gt;35' To 40', Add</i>	10.31	
<i>For Elevated Installation &gt;40', Add</i>	11.34	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.19	
26 05 33 13-0258 EA 2" x 3-1/2" Long, Rigid Galvanized Steel (RGS), Nipple.....	30.83	11.55
<i>For Work In Restricted Working Space, Add</i>	6.93	
<i>For Elevated Installation &gt;10' To 15', Add</i>	2.31	
<i>For Elevated Installation &gt;15' To 20', Add</i>	4.62	
<i>For Elevated Installation &gt;20' To 25', Add</i>	5.78	
<i>For Elevated Installation &gt;25' To 30', Add</i>	8.09	
<i>For Elevated Installation &gt;30' To 35', Add</i>	9.24	
<i>For Elevated Installation &gt;35' To 40', Add</i>	11.55	
<i>For Elevated Installation &gt;40', Add</i>	12.71	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.93	
26 05 33 13-0259 EA 2-1/2" x 3-1/2" Long, Rigid Galvanized Steel (RGS) Nipple.....	44.62	14.03
<i>For Work In Restricted Working Space, Add</i>	8.42	
<i>For Elevated Installation &gt;10' To 15', Add</i>	2.81	
<i>For Elevated Installation &gt;15' To 20', Add</i>	5.61	
<i>For Elevated Installation &gt;20' To 25', Add</i>	7.01	
<i>For Elevated Installation &gt;25' To 30', Add</i>	9.82	
<i>For Elevated Installation &gt;30' To 35', Add</i>	11.22	
<i>For Elevated Installation &gt;35' To 40', Add</i>	14.03	
<i>For Elevated Installation &gt;40', Add</i>	15.43	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.42	
26 05 33 13-0260 EA 3" x 3-1/2" Long, Rigid Galvanized Steel (RGS) Nipple.....	58.21	19.39
<i>For Work In Restricted Working Space, Add</i>	11.63	
<i>For Elevated Installation &gt;10' To 15', Add</i>	3.88	
<i>For Elevated Installation &gt;15' To 20', Add</i>	7.75	
<i>For Elevated Installation &gt;20' To 25', Add</i>	9.69	
<i>For Elevated Installation &gt;25' To 30', Add</i>	13.57	
<i>For Elevated Installation &gt;30' To 35', Add</i>	15.51	
<i>For Elevated Installation &gt;35' To 40', Add</i>	19.39	
<i>For Elevated Installation &gt;40', Add</i>	21.32	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.63	
26 05 33 13-0261 EA 1/2" x 4" Long, Rigid Galvanized Steel (RGS) Nipple.....	13.25	5.36
<i>For Work In Restricted Working Space, Add</i>	3.22	
<i>For Elevated Installation &gt;10' To 15', Add</i>	1.07	
<i>For Elevated Installation &gt;15' To 20', Add</i>	2.15	
<i>For Elevated Installation &gt;20' To 25', Add</i>	2.68	
<i>For Elevated Installation &gt;25' To 30', Add</i>	3.76	
<i>For Elevated Installation &gt;30' To 35', Add</i>	4.29	
<i>For Elevated Installation &gt;35' To 40', Add</i>	5.37	
<i>For Elevated Installation &gt;40', Add</i>	5.90	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.22	
26 05 33 13-0262 EA 3/4" x 4" Long, Rigid Galvanized Steel (RGS) Nipple.....	15.31	6.19
<i>For Work In Restricted Working Space, Add</i>	3.71	
<i>For Elevated Installation &gt;10' To 15', Add</i>	1.24	
<i>For Elevated Installation &gt;15' To 20', Add</i>	2.47	
<i>For Elevated Installation &gt;20' To 25', Add</i>	3.09	
<i>For Elevated Installation &gt;25' To 30', Add</i>	4.33	
<i>For Elevated Installation &gt;30' To 35', Add</i>	4.95	
<i>For Elevated Installation &gt;35' To 40', Add</i>	6.19	
<i>For Elevated Installation &gt;40', Add</i>	6.80	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.71	

**26 Electrical**

**26 05 Common Work Results for Electrical**

**26 05 33 Raceway and Boxes for Electrical Systems**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0263	EA	1" x 4" Long, Rigid Galvanized Steel (RGS) Nipple	19.88	7.84
			<i>For Work In Restricted Working Space, Add</i>	4.70	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.57	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	3.13	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	3.92	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	5.48	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	6.27	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	7.84	
			<i>For Elevated Installation &gt;40', Add</i>	8.62	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.70	
26 05 33	13-0264	EA	1-1/4" x 4" Long, Rigid Galvanized Steel (RGS) Nipple	23.31	9.07
			<i>For Work In Restricted Working Space, Add</i>	5.45	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.82	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	3.63	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	4.54	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	6.35	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	7.26	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	9.08	
			<i>For Elevated Installation &gt;40', Add</i>	9.98	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.45	
26 05 33	13-0265	EA	1-1/2" x 4" Long, Rigid Galvanized Steel (RGS) Nipple	27.16	10.32
			<i>For Work In Restricted Working Space, Add</i>	6.19	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	2.06	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	4.12	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	5.16	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	7.22	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	8.25	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	10.31	
			<i>For Elevated Installation &gt;40', Add</i>	11.34	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.19	
26 05 33	13-0266	EA	2" x 4" Long, Rigid Galvanized Steel (RGS) Nipple	31.63	11.55
			<i>For Work In Restricted Working Space, Add</i>	6.93	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	2.31	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	4.62	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	5.78	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	8.09	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	9.24	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	11.55	
			<i>For Elevated Installation &gt;40', Add</i>	12.71	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.93	
26 05 33	13-0267	EA	2-1/2" x 4" Long, Rigid Galvanized Steel (RGS) Nipple	45.40	14.03
			<i>For Work In Restricted Working Space, Add</i>	8.42	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	2.81	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	5.61	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	7.01	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	9.82	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	11.22	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	14.03	
			<i>For Elevated Installation &gt;40', Add</i>	15.43	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.42	
26 05 33	13-0268	EA	3" x 4" Long, Rigid Galvanized Steel (RGS) Nipple	59.84	19.39
			<i>For Work In Restricted Working Space, Add</i>	11.63	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	3.88	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	7.75	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	9.69	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	13.57	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	15.51	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	19.39	
			<i>For Elevated Installation &gt;40', Add</i>	21.32	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.63	
26 05 33	13-0269	EA	3-1/2" x 4" Long, Rigid Galvanized Steel (RGS) Nipple	69.37	21.86
			<i>For Work In Restricted Working Space, Add</i>	13.12	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	4.37	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	8.74	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	10.93	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	15.30	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	17.49	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	21.86	
			<i>For Elevated Installation &gt;40', Add</i>	24.05	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.12	
26 05 33	13-0270	EA	4" x 4" Long, Rigid Galvanized Steel (RGS) Nipple	85.72	28.47
			<i>For Work In Restricted Working Space, Add</i>	17.08	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	5.69	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	11.38	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	14.23	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	19.92	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	22.77	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	28.46	
			<i>For Elevated Installation &gt;40', Add</i>	31.31	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.08	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0271 EA 1/2" x 5" Long, Rigid Galvanized Steel (RGS) Nipple.....	13.55	5.36
For Work In Restricted Working Space, Add	3.22	
For Elevated Installation >10' To 15', Add	1.07	
For Elevated Installation >15' To 20', Add	2.15	
For Elevated Installation >20' To 25', Add	2.68	
For Elevated Installation >25' To 30', Add	3.76	
For Elevated Installation >30' To 35', Add	4.29	
For Elevated Installation >35' To 40', Add	5.37	
For Elevated Installation >40', Add	5.90	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.22	
26 05 33 13-0272 EA 3/4" x 5" Long, Rigid Galvanized Steel (RGS) Nipple.....	15.75	6.19
For Work In Restricted Working Space, Add	3.71	
For Elevated Installation >10' To 15', Add	1.24	
For Elevated Installation >15' To 20', Add	2.47	
For Elevated Installation >20' To 25', Add	3.09	
For Elevated Installation >25' To 30', Add	4.33	
For Elevated Installation >30' To 35', Add	4.95	
For Elevated Installation >35' To 40', Add	6.19	
For Elevated Installation >40', Add	6.80	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.71	
26 05 33 13-0273 EA 1" x 5" Long, Rigid Galvanized Steel (RGS) Nipple.....	20.44	7.84
For Work In Restricted Working Space, Add	4.70	
For Elevated Installation >10' To 15', Add	1.57	
For Elevated Installation >15' To 20', Add	3.13	
For Elevated Installation >20' To 25', Add	3.92	
For Elevated Installation >25' To 30', Add	5.48	
For Elevated Installation >30' To 35', Add	6.27	
For Elevated Installation >35' To 40', Add	7.64	
For Elevated Installation >40', Add	8.62	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.70	
26 05 33 13-0274 EA 1-1/4" x 5" Long, Rigid Galvanized Steel (RGS) Nipple.....	24.13	9.07
For Work In Restricted Working Space, Add	5.45	
For Elevated Installation >10' To 15', Add	1.82	
For Elevated Installation >15' To 20', Add	3.63	
For Elevated Installation >20' To 25', Add	4.54	
For Elevated Installation >25' To 30', Add	6.35	
For Elevated Installation >30' To 35', Add	7.26	
For Elevated Installation >35' To 40', Add	9.08	
For Elevated Installation >40', Add	9.98	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.45	
26 05 33 13-0275 EA 1-1/2" x 5" Long, Rigid Galvanized Steel (RGS) Nipple.....	27.96	10.32
For Work In Restricted Working Space, Add	6.19	
For Elevated Installation >10' To 15', Add	2.06	
For Elevated Installation >15' To 20', Add	4.12	
For Elevated Installation >20' To 25', Add	5.16	
For Elevated Installation >25' To 30', Add	7.22	
For Elevated Installation >30' To 35', Add	8.25	
For Elevated Installation >35' To 40', Add	10.31	
For Elevated Installation >40', Add	11.34	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.19	
26 05 33 13-0276 EA 2" x 5" Long, Rigid Galvanized Steel (RGS) Nipple.....	33.06	11.55
For Work In Restricted Working Space, Add	6.93	
For Elevated Installation >10' To 15', Add	2.31	
For Elevated Installation >15' To 20', Add	4.62	
For Elevated Installation >20' To 25', Add	5.78	
For Elevated Installation >25' To 30', Add	8.09	
For Elevated Installation >30' To 35', Add	9.24	
For Elevated Installation >35' To 40', Add	11.55	
For Elevated Installation >40', Add	12.71	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.93	
26 05 33 13-0277 EA 2-1/2" x 5" Long, Rigid Galvanized Steel (RGS) Nipple.....	48.56	14.03
For Work In Restricted Working Space, Add	8.42	
For Elevated Installation >10' To 15', Add	2.81	
For Elevated Installation >15' To 20', Add	5.61	
For Elevated Installation >20' To 25', Add	7.01	
For Elevated Installation >25' To 30', Add	9.82	
For Elevated Installation >30' To 35', Add	11.22	
For Elevated Installation >35' To 40', Add	14.03	
For Elevated Installation >40', Add	15.43	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.42	
26 05 33 13-0278 EA 3" x 5" Long, Rigid Galvanized Steel (RGS) Nipple.....	63.27	19.39
For Work In Restricted Working Space, Add	11.63	
For Elevated Installation >10' To 15', Add	3.88	
For Elevated Installation >15' To 20', Add	7.75	
For Elevated Installation >20' To 25', Add	9.69	
For Elevated Installation >25' To 30', Add	13.57	
For Elevated Installation >30' To 35', Add	15.51	
For Elevated Installation >35' To 40', Add	19.39	
For Elevated Installation >40', Add	21.32	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.63	

**26 Electrical**

**26 05 Common Work Results for Electrical**

**26 05 33 Raceway and Boxes for Electrical Systems**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0279	EA	3-1/2" x 5" Long, Rigid Galvanized Steel (RGS) Nipple	72.77	21.86
			<i>For Work In Restricted Working Space, Add</i>	13.12	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	4.37	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	8.74	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	10.93	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	15.30	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	17.49	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	21.86	
			<i>For Elevated Installation &gt;40', Add</i>	24.05	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.12	
26 05 33	13-0280	EA	4" x 5" Long, Rigid Galvanized Steel (RGS) Nipple	90.69	28.47
			<i>For Work In Restricted Working Space, Add</i>	17.08	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	5.69	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	11.38	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	14.23	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	19.92	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	22.77	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	28.46	
			<i>For Elevated Installation &gt;40', Add</i>	31.31	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.08	
26 05 33	13-0281	EA	5" x 5" Long, Rigid Galvanized Steel (RGS) Nipple	143.93	39.19
			<i>For Work In Restricted Working Space, Add</i>	23.51	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	7.84	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	15.68	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	19.60	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	27.43	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	31.35	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	39.19	
			<i>For Elevated Installation &gt;40', Add</i>	43.11	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.51	
26 05 33	13-0282	EA	6" x 5" Long, Rigid Galvanized Steel (RGS) Nipple	182.24	50.24
			<i>For Work In Restricted Working Space, Add</i>	30.17	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	10.06	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	20.11	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	25.14	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	35.19	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	40.22	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	50.28	
			<i>For Elevated Installation &gt;40', Add</i>	55.30	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30.17	
26 05 33	13-0283	EA	1/2" x 6" Long, Rigid Galvanized Steel (RGS) Nipple	14.10	5.36
			<i>For Work In Restricted Working Space, Add</i>	3.22	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.07	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	2.15	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	2.68	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	3.76	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	4.29	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	5.37	
			<i>For Elevated Installation &gt;40', Add</i>	5.90	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.22	
26 05 33	13-0284	EA	3/4" x 6" Long, Rigid Galvanized Steel (RGS) Nipple	16.31	6.19
			<i>For Work In Restricted Working Space, Add</i>	3.71	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.24	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	2.47	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	3.09	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	4.33	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	4.95	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	6.19	
			<i>For Elevated Installation &gt;40', Add</i>	6.80	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.71	
26 05 33	13-0285	EA	1" x 6" Long, Rigid Galvanized Steel (RGS) Nipple	20.89	7.84
			<i>For Work In Restricted Working Space, Add</i>	4.70	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.57	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	3.13	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	3.92	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	5.48	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	6.27	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	7.84	
			<i>For Elevated Installation &gt;40', Add</i>	8.62	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.70	
26 05 33	13-0286	EA	1-1/4" x 6" Long, Rigid Galvanized Steel (RGS) Nipple	24.88	9.07
			<i>For Work In Restricted Working Space, Add</i>	5.45	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.82	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	3.63	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	4.54	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	6.35	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	7.26	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	9.08	
			<i>For Elevated Installation &gt;40', Add</i>	9.98	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.45	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0287 EA 1-1/2" x 6" Long, Rigid Galvanized Steel (RGS) Nipple.....	29.64	10.32
For Work In Restricted Working Space, Add	6.19	
For Elevated Installation >10' To 15', Add	2.06	
For Elevated Installation >15' To 20', Add	4.12	
For Elevated Installation >20' To 25', Add	5.16	
For Elevated Installation >25' To 30', Add	7.22	
For Elevated Installation >30' To 35', Add	8.25	
For Elevated Installation >35' To 40', Add	10.31	
For Elevated Installation >40', Add	11.34	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.19	
26 05 33 13-0288 EA 2" x 6" Long, Rigid Galvanized Steel (RGS) Nipple.....	34.49	11.55
For Work In Restricted Working Space, Add	6.93	
For Elevated Installation >10' To 15', Add	2.31	
For Elevated Installation >15' To 20', Add	4.62	
For Elevated Installation >20' To 25', Add	5.78	
For Elevated Installation >25' To 30', Add	8.09	
For Elevated Installation >30' To 35', Add	9.24	
For Elevated Installation >35' To 40', Add	11.55	
For Elevated Installation >40', Add	12.71	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.93	
26 05 33 13-0289 EA 2-1/2" x 6" Long, Rigid Galvanized Steel (RGS) Nipple.....	51.33	14.03
For Work In Restricted Working Space, Add	8.42	
For Elevated Installation >10' To 15', Add	2.81	
For Elevated Installation >15' To 20', Add	5.61	
For Elevated Installation >20' To 25', Add	7.01	
For Elevated Installation >25' To 30', Add	9.82	
For Elevated Installation >30' To 35', Add	11.22	
For Elevated Installation >35' To 40', Add	14.03	
For Elevated Installation >40', Add	15.43	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.42	
26 05 33 13-0290 EA 3" x 6" Long, Rigid Galvanized Steel (RGS) Nipple.....	66.75	19.39
For Work In Restricted Working Space, Add	11.63	
For Elevated Installation >10' To 15', Add	3.88	
For Elevated Installation >15' To 20', Add	7.75	
For Elevated Installation >20' To 25', Add	9.69	
For Elevated Installation >25' To 30', Add	13.57	
For Elevated Installation >30' To 35', Add	15.51	
For Elevated Installation >35' To 40', Add	19.39	
For Elevated Installation >40', Add	21.32	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.63	
26 05 33 13-0291 EA 3-1/2" x 6" Long, Rigid Galvanized Steel (RGS) Nipple.....	76.93	21.86
For Work In Restricted Working Space, Add	13.12	
For Elevated Installation >10' To 15', Add	4.37	
For Elevated Installation >15' To 20', Add	8.74	
For Elevated Installation >20' To 25', Add	10.93	
For Elevated Installation >25' To 30', Add	15.30	
For Elevated Installation >30' To 35', Add	17.49	
For Elevated Installation >35' To 40', Add	21.86	
For Elevated Installation >40', Add	24.05	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.12	
26 05 33 13-0292 EA 4" x 6" Long, Rigid Galvanized Steel (RGS) Nipple.....	94.63	28.47
For Work In Restricted Working Space, Add	17.08	
For Elevated Installation >10' To 15', Add	5.69	
For Elevated Installation >15' To 20', Add	11.38	
For Elevated Installation >20' To 25', Add	14.23	
For Elevated Installation >25' To 30', Add	19.92	
For Elevated Installation >30' To 35', Add	22.77	
For Elevated Installation >35' To 40', Add	28.46	
For Elevated Installation >40', Add	31.31	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.08	
26 05 33 13-0293 EA 5" x 6" Long, Rigid Galvanized Steel (RGS) Nipple.....	149.70	39.19
For Work In Restricted Working Space, Add	23.51	
For Elevated Installation >10' To 15', Add	7.84	
For Elevated Installation >15' To 20', Add	15.68	
For Elevated Installation >20' To 25', Add	19.60	
For Elevated Installation >25' To 30', Add	27.43	
For Elevated Installation >30' To 35', Add	31.35	
For Elevated Installation >35' To 40', Add	39.19	
For Elevated Installation >40', Add	43.11	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.51	
26 05 33 13-0294 EA 6" x 6" Long, Rigid Galvanized Steel (RGS) Nipple.....	190.69	50.24
For Work In Restricted Working Space, Add	30.17	
For Elevated Installation >10' To 15', Add	10.06	
For Elevated Installation >15' To 20', Add	20.11	
For Elevated Installation >20' To 25', Add	25.14	
For Elevated Installation >25' To 30', Add	35.19	
For Elevated Installation >30' To 35', Add	40.22	
For Elevated Installation >35' To 40', Add	50.28	
For Elevated Installation >40', Add	55.30	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	30.17	

**26 Electrical**

**26 05 Common Work Results for Electrical**

**26 05 33 Raceway and Boxes for Electrical Systems**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0295	EA	1/2" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	16.10	5.36
			<i>For Work In Restricted Working Space, Add</i>	3.22	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.07	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	2.15	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	2.68	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	3.76	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	4.29	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	5.37	
			<i>For Elevated Installation &gt;40', Add</i>	5.90	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.22	
26 05 33	13-0296	EA	3/4" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	18.87	6.19
			<i>For Work In Restricted Working Space, Add</i>	3.71	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.24	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	2.47	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	3.09	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	4.33	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	4.95	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	6.19	
			<i>For Elevated Installation &gt;40', Add</i>	6.80	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.71	
26 05 33	13-0297	EA	1" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	23.90	7.84
			<i>For Work In Restricted Working Space, Add</i>	4.70	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.57	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	3.13	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	3.92	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	5.48	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	6.27	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	7.84	
			<i>For Elevated Installation &gt;40', Add</i>	8.62	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.70	
26 05 33	13-0298	EA	1-1/4" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	29.17	9.07
			<i>For Work In Restricted Working Space, Add</i>	5.45	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.82	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	3.63	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	4.54	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	6.35	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	7.26	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	9.08	
			<i>For Elevated Installation &gt;40', Add</i>	9.98	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.45	
26 05 33	13-0299	EA	1-1/2" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	34.42	10.32
			<i>For Work In Restricted Working Space, Add</i>	6.19	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	2.06	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	4.12	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	5.16	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	7.22	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	8.25	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	10.31	
			<i>For Elevated Installation &gt;40', Add</i>	11.34	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.19	
26 05 33	13-0300	EA	2" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	39.52	11.55
			<i>For Work In Restricted Working Space, Add</i>	6.93	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	2.31	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	4.62	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	5.78	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	8.09	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	9.24	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	11.55	
			<i>For Elevated Installation &gt;40', Add</i>	12.71	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.93	
26 05 33	13-0301	EA	2-1/2" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	58.66	14.03
			<i>For Work In Restricted Working Space, Add</i>	8.42	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	2.81	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	5.61	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	7.01	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	9.82	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	11.22	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	14.03	
			<i>For Elevated Installation &gt;40', Add</i>	15.43	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.42	
26 05 33	13-0302	EA	3" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	75.17	19.39
			<i>For Work In Restricted Working Space, Add</i>	11.63	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	3.88	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	7.75	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	9.69	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	13.57	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	15.51	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	19.39	
			<i>For Elevated Installation &gt;40', Add</i>	21.32	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.63	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0303 EA 3-1/2" x 8" Long, Rigid Galvanized Steel (RGS) Nipple.....	85.33	21.86
<i>For Work In Restricted Working Space, Add</i>	13.12	
<i>For Elevated Installation &gt;10' To 15', Add</i>	4.37	
<i>For Elevated Installation &gt;15' To 20', Add</i>	8.74	
<i>For Elevated Installation &gt;20' To 25', Add</i>	10.93	
<i>For Elevated Installation &gt;25' To 30', Add</i>	15.30	
<i>For Elevated Installation &gt;30' To 35', Add</i>	17.49	
<i>For Elevated Installation &gt;35' To 40', Add</i>	21.86	
<i>For Elevated Installation &gt;40', Add</i>	24.05	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.12	
26 05 33 13-0304 EA 4" x 8" Long, Rigid Galvanized Steel (RGS) Nipple.....	103.92	28.47
<i>For Work In Restricted Working Space, Add</i>	17.08	
<i>For Elevated Installation &gt;10' To 15', Add</i>	5.69	
<i>For Elevated Installation &gt;15' To 20', Add</i>	11.38	
<i>For Elevated Installation &gt;20' To 25', Add</i>	14.23	
<i>For Elevated Installation &gt;25' To 30', Add</i>	19.92	
<i>For Elevated Installation &gt;30' To 35', Add</i>	22.77	
<i>For Elevated Installation &gt;35' To 40', Add</i>	28.46	
<i>For Elevated Installation &gt;40', Add</i>	31.31	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.08	
26 05 33 13-0305 EA 5" x 8" Long, Rigid Galvanized Steel (RGS) Nipple.....	163.09	39.19
<i>For Work In Restricted Working Space, Add</i>	23.51	
<i>For Elevated Installation &gt;10' To 15', Add</i>	7.84	
<i>For Elevated Installation &gt;15' To 20', Add</i>	15.68	
<i>For Elevated Installation &gt;20' To 25', Add</i>	19.60	
<i>For Elevated Installation &gt;25' To 30', Add</i>	27.43	
<i>For Elevated Installation &gt;30' To 35', Add</i>	31.35	
<i>For Elevated Installation &gt;35' To 40', Add</i>	39.19	
<i>For Elevated Installation &gt;40', Add</i>	43.11	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.51	
26 05 33 13-0306 EA 6" x 8" Long, Rigid Galvanized Steel (RGS) Nipple.....	205.73	50.24
<i>For Work In Restricted Working Space, Add</i>	30.17	
<i>For Elevated Installation &gt;10' To 15', Add</i>	10.06	
<i>For Elevated Installation &gt;15' To 20', Add</i>	20.11	
<i>For Elevated Installation &gt;20' To 25', Add</i>	25.14	
<i>For Elevated Installation &gt;25' To 30', Add</i>	35.19	
<i>For Elevated Installation &gt;30' To 35', Add</i>	40.22	
<i>For Elevated Installation &gt;35' To 40', Add</i>	50.28	
<i>For Elevated Installation &gt;40', Add</i>	55.30	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30.17	
26 05 33 13-0307 EA 1 1/2" x 10" Long, Rigid Galvanized Steel (RGS) Nipple.....	17.45	5.36
<i>For Work In Restricted Working Space, Add</i>	3.22	
<i>For Elevated Installation &gt;10' To 15', Add</i>	1.07	
<i>For Elevated Installation &gt;15' To 20', Add</i>	2.15	
<i>For Elevated Installation &gt;20' To 25', Add</i>	2.68	
<i>For Elevated Installation &gt;25' To 30', Add</i>	3.76	
<i>For Elevated Installation &gt;30' To 35', Add</i>	4.29	
<i>For Elevated Installation &gt;35' To 40', Add</i>	5.37	
<i>For Elevated Installation &gt;40', Add</i>	5.90	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.22	
26 05 33 13-0308 EA 3/4" x 10" Long, Rigid Galvanized Steel (RGS) Nipple.....	20.17	6.19
<i>For Work In Restricted Working Space, Add</i>	3.71	
<i>For Elevated Installation &gt;10' To 15', Add</i>	1.24	
<i>For Elevated Installation &gt;15' To 20', Add</i>	2.47	
<i>For Elevated Installation &gt;20' To 25', Add</i>	3.09	
<i>For Elevated Installation &gt;25' To 30', Add</i>	4.33	
<i>For Elevated Installation &gt;30' To 35', Add</i>	4.95	
<i>For Elevated Installation &gt;35' To 40', Add</i>	6.19	
<i>For Elevated Installation &gt;40', Add</i>	6.80	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.71	
26 05 33 13-0309 EA 1" x 10" Long, Rigid Galvanized Steel (RGS) Nipple.....	26.29	7.84
<i>For Work In Restricted Working Space, Add</i>	4.70	
<i>For Elevated Installation &gt;10' To 15', Add</i>	1.57	
<i>For Elevated Installation &gt;15' To 20', Add</i>	3.13	
<i>For Elevated Installation &gt;20' To 25', Add</i>	3.92	
<i>For Elevated Installation &gt;25' To 30', Add</i>	5.48	
<i>For Elevated Installation &gt;30' To 35', Add</i>	6.27	
<i>For Elevated Installation &gt;35' To 40', Add</i>	7.84	
<i>For Elevated Installation &gt;40', Add</i>	8.62	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.70	
26 05 33 13-0310 EA 1-1/4" x 10" Long, Rigid Galvanized Steel (RGS) Nipple.....	32.01	9.07
<i>For Work In Restricted Working Space, Add</i>	5.45	
<i>For Elevated Installation &gt;10' To 15', Add</i>	1.82	
<i>For Elevated Installation &gt;15' To 20', Add</i>	3.63	
<i>For Elevated Installation &gt;20' To 25', Add</i>	4.54	
<i>For Elevated Installation &gt;25' To 30', Add</i>	6.35	
<i>For Elevated Installation &gt;30' To 35', Add</i>	7.26	
<i>For Elevated Installation &gt;35' To 40', Add</i>	9.08	
<i>For Elevated Installation &gt;40', Add</i>	9.98	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.45	

**26 Electrical**

**26 05 Common Work Results for Electrical**

**26 05 33 Raceway and Boxes for Electrical Systems**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0311	EA	1-1/2" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	37.22	10.32
			<i>For Work In Restricted Working Space, Add</i>	6.19	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	2.06	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	4.12	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	5.16	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	7.22	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	8.25	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	10.31	
			<i>For Elevated Installation &gt;40', Add</i>	11.34	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.19	
26 05 33	13-0312	EA	2" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	42.77	11.55
			<i>For Work In Restricted Working Space, Add</i>	6.93	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	2.31	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	4.62	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	5.78	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	8.09	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	9.24	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	11.55	
			<i>For Elevated Installation &gt;40', Add</i>	12.71	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.93	
26 05 33	13-0313	EA	2-1/2" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	63.60	14.03
			<i>For Work In Restricted Working Space, Add</i>	8.42	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	2.81	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	5.61	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	7.01	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	9.82	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	11.22	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	14.03	
			<i>For Elevated Installation &gt;40', Add</i>	15.43	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.42	
26 05 33	13-0314	EA	3" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	81.79	19.39
			<i>For Work In Restricted Working Space, Add</i>	11.63	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	3.88	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	7.75	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	9.69	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	13.57	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	15.51	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	19.39	
			<i>For Elevated Installation &gt;40', Add</i>	21.32	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.63	
26 05 33	13-0315	EA	3-1/2" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	94.05	21.86
			<i>For Work In Restricted Working Space, Add</i>	13.12	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	4.37	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	8.74	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	10.93	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	15.30	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	17.49	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	21.86	
			<i>For Elevated Installation &gt;40', Add</i>	24.05	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.12	
26 05 33	13-0316	EA	4" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	114.97	28.47
			<i>For Work In Restricted Working Space, Add</i>	17.08	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	5.69	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	11.38	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	14.23	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	19.92	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	22.77	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	28.46	
			<i>For Elevated Installation &gt;40', Add</i>	31.31	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.08	
26 05 33	13-0317	EA	5" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	177.70	39.19
			<i>For Work In Restricted Working Space, Add</i>	23.51	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	7.84	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	15.68	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	19.60	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	27.43	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	31.35	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	39.19	
			<i>For Elevated Installation &gt;40', Add</i>	43.11	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.51	
26 05 33	13-0318	EA	6" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	232.00	50.24
			<i>For Work In Restricted Working Space, Add</i>	30.17	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	10.06	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	20.11	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	25.14	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	35.19	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	40.22	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	50.28	
			<i>For Elevated Installation &gt;40', Add</i>	55.30	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30.17	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0319 EA 1/2" x 12" Long, Rigid Galvanized Steel (RGS) Nipple .....	18.48	5.36
For Work In Restricted Working Space, Add	3.22	
For Elevated Installation >10' To 15', Add	1.07	
For Elevated Installation >15' To 20', Add	2.15	
For Elevated Installation >20' To 25', Add	2.68	
For Elevated Installation >25' To 30', Add	3.76	
For Elevated Installation >30' To 35', Add	4.29	
For Elevated Installation >35' To 40', Add	5.37	
For Elevated Installation >40', Add	5.90	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.22	
26 05 33 13-0320 EA 3/4" x 12" Long, Rigid Galvanized Steel (RGS) Nipple .....	21.14	6.19
For Work In Restricted Working Space, Add	3.71	
For Elevated Installation >10' To 15', Add	1.24	
For Elevated Installation >15' To 20', Add	2.47	
For Elevated Installation >20' To 25', Add	3.09	
For Elevated Installation >25' To 30', Add	4.33	
For Elevated Installation >30' To 35', Add	4.95	
For Elevated Installation >35' To 40', Add	6.19	
For Elevated Installation >40', Add	6.80	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.71	
26 05 33 13-0321 EA 1" x 12" Long, Rigid Galvanized Steel (RGS) Nipple .....	27.73	7.84
For Work In Restricted Working Space, Add	4.70	
For Elevated Installation >10' To 15', Add	1.57	
For Elevated Installation >15' To 20', Add	3.13	
For Elevated Installation >20' To 25', Add	3.92	
For Elevated Installation >25' To 30', Add	5.48	
For Elevated Installation >30' To 35', Add	6.27	
For Elevated Installation >35' To 40', Add	7.64	
For Elevated Installation >40', Add	8.62	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.70	
26 05 33 13-0322 EA 1-1/4" x 12" Long, Rigid Galvanized Steel (RGS) Nipple .....	34.29	9.07
For Work In Restricted Working Space, Add	5.45	
For Elevated Installation >10' To 15', Add	1.82	
For Elevated Installation >15' To 20', Add	3.63	
For Elevated Installation >20' To 25', Add	4.54	
For Elevated Installation >25' To 30', Add	6.35	
For Elevated Installation >30' To 35', Add	7.26	
For Elevated Installation >35' To 40', Add	9.08	
For Elevated Installation >40', Add	9.98	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.45	
26 05 33 13-0323 EA 1-1/2" x 12" Long, Rigid Galvanized Steel (RGS) Nipple .....	38.63	10.32
For Work In Restricted Working Space, Add	6.19	
For Elevated Installation >10' To 15', Add	2.06	
For Elevated Installation >15' To 20', Add	4.12	
For Elevated Installation >20' To 25', Add	5.16	
For Elevated Installation >25' To 30', Add	7.22	
For Elevated Installation >30' To 35', Add	8.25	
For Elevated Installation >35' To 40', Add	10.31	
For Elevated Installation >40', Add	11.34	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.19	
26 05 33 13-0324 EA 2" x 12" Long, Rigid Galvanized Steel (RGS) Nipple .....	45.50	11.55
For Work In Restricted Working Space, Add	6.93	
For Elevated Installation >10' To 15', Add	2.31	
For Elevated Installation >15' To 20', Add	4.62	
For Elevated Installation >20' To 25', Add	5.78	
For Elevated Installation >25' To 30', Add	8.09	
For Elevated Installation >30' To 35', Add	9.24	
For Elevated Installation >35' To 40', Add	11.55	
For Elevated Installation >40', Add	12.71	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.93	
26 05 33 13-0325 EA 2-1/2" x 12" Long, Rigid Galvanized Steel (RGS) Nipple .....	69.40	14.03
For Work In Restricted Working Space, Add	8.42	
For Elevated Installation >10' To 15', Add	2.81	
For Elevated Installation >15' To 20', Add	5.61	
For Elevated Installation >20' To 25', Add	7.01	
For Elevated Installation >25' To 30', Add	9.82	
For Elevated Installation >30' To 35', Add	11.22	
For Elevated Installation >35' To 40', Add	14.03	
For Elevated Installation >40', Add	15.43	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.42	
26 05 33 13-0326 EA 3" x 12" Long, Rigid Galvanized Steel (RGS) Nipple .....	91.01	19.39
For Work In Restricted Working Space, Add	11.63	
For Elevated Installation >10' To 15', Add	3.88	
For Elevated Installation >15' To 20', Add	7.75	
For Elevated Installation >20' To 25', Add	9.69	
For Elevated Installation >25' To 30', Add	13.57	
For Elevated Installation >30' To 35', Add	15.51	
For Elevated Installation >35' To 40', Add	19.39	
For Elevated Installation >40', Add	21.32	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.63	

**26 Electrical**

**26 05 Common Work Results for Electrical**

**26 05 33 Raceway and Boxes for Electrical Systems**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0327	EA	3-1/2" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	102.54	21.86
			<i>For Work In Restricted Working Space, Add</i>	13.12	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	4.37	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	8.74	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	10.93	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	15.30	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	17.49	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	21.86	
			<i>For Elevated Installation &gt;40', Add</i>	24.05	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.12	
26 05 33	13-0328	EA	4" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	126.02	28.47
			<i>For Work In Restricted Working Space, Add</i>	17.08	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	5.69	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	11.38	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	14.23	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	19.92	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	22.77	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	28.46	
			<i>For Elevated Installation &gt;40', Add</i>	31.31	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.08	
26 05 33	13-0329	EA	5" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	198.69	39.19
			<i>For Work In Restricted Working Space, Add</i>	23.51	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	7.84	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	15.68	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	19.60	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	27.43	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	31.35	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	39.19	
			<i>For Elevated Installation &gt;40', Add</i>	43.11	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.51	
26 05 33	13-0330	EA	6" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	246.61	50.24
			<i>For Work In Restricted Working Space, Add</i>	30.17	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	10.06	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	20.11	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	25.14	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	35.19	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	40.22	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	50.28	
			<i>For Elevated Installation &gt;40', Add</i>	55.30	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30.17	
26 05 33	13-0331		<b>Rigid Galvanized Steel (RGS) Off-Set Nipples (26 05 33 13-0060)</b>		
26 05 33	13-0332	EA	1/2" Rigid Galvanized Steel (RGS) Off-Set Nipple	13.74	4.29
			<i>For Work In Restricted Working Space, Add</i>	3.24	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.08	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	2.16	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	2.70	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	3.78	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	4.32	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	5.41	
			<i>For Elevated Installation &gt;40', Add</i>	5.95	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.24	
26 05 33	13-0333	EA	3/4" Rigid Galvanized Steel (RGS) Off-Set Nipple	16.78	4.95
			<i>For Work In Restricted Working Space, Add</i>	3.69	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.23	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	2.46	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	3.08	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	4.31	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	4.92	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	6.16	
			<i>For Elevated Installation &gt;40', Add</i>	6.77	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.69	
26 05 33	13-0334	EA	1" Rigid Galvanized Steel (RGS) Off-Set Nipple	20.85	6.27
			<i>For Work In Restricted Working Space, Add</i>	4.72	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.57	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	3.15	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	3.94	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	5.51	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	6.30	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	7.87	
			<i>For Elevated Installation &gt;40', Add</i>	8.66	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.72	
26 05 33	13-0335	EA	1-1/4" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated	27.11	7.51
			<i>For Work In Restricted Working Space, Add</i>	5.66	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.89	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	3.77	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	4.72	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	6.60	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	7.54	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	9.43	
			<i>For Elevated Installation &gt;40', Add</i>	10.37	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.66	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0336 EA 1-1/2" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated .....	29.69	8.25
For Work In Restricted Working Space, Add	6.19	
For Elevated Installation >10' To 15', Add	2.06	
For Elevated Installation >15' To 20', Add	4.13	
For Elevated Installation >20' To 25', Add	5.16	
For Elevated Installation >25' To 30', Add	7.22	
For Elevated Installation >30' To 35', Add	8.26	
For Elevated Installation >35' To 40', Add	10.32	
For Elevated Installation >40', Add	11.35	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.19	
26 05 33 13-0337 EA 2" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated .....	39.80	10.14
For Work In Restricted Working Space, Add	7.63	
For Elevated Installation >10' To 15', Add	2.54	
For Elevated Installation >15' To 20', Add	5.09	
For Elevated Installation >20' To 25', Add	6.36	
For Elevated Installation >25' To 30', Add	8.90	
For Elevated Installation >30' To 35', Add	10.17	
For Elevated Installation >35' To 40', Add	12.72	
For Elevated Installation >40', Add	13.99	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.63	
26 05 33 13-0338 EA 2-1/2" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated .....	65.20	16.50
For Work In Restricted Working Space, Add	12.38	
For Elevated Installation >10' To 15', Add	4.13	
For Elevated Installation >15' To 20', Add	8.25	
For Elevated Installation >20' To 25', Add	10.31	
For Elevated Installation >25' To 30', Add	14.44	
For Elevated Installation >30' To 35', Add	16.50	
For Elevated Installation >35' To 40', Add	20.63	
For Elevated Installation >40', Add	22.69	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.38	
26 05 33 13-0339 EA 3" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated .....	111.31	22.77
For Work In Restricted Working Space, Add	17.08	
For Elevated Installation >10' To 15', Add	5.69	
For Elevated Installation >15' To 20', Add	11.38	
For Elevated Installation >20' To 25', Add	14.23	
For Elevated Installation >25' To 30', Add	19.92	
For Elevated Installation >30' To 35', Add	22.77	
For Elevated Installation >35' To 40', Add	28.46	
For Elevated Installation >40', Add	31.31	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.08	
26 05 33 13-0340 EA 3-1/2" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated .....	140.31	26.89
For Work In Restricted Working Space, Add	20.06	
For Elevated Installation >10' To 15', Add	6.69	
For Elevated Installation >15' To 20', Add	13.37	
For Elevated Installation >20' To 25', Add	16.72	
For Elevated Installation >25' To 30', Add	23.40	
For Elevated Installation >30' To 35', Add	26.75	
For Elevated Installation >35' To 40', Add	33.44	
For Elevated Installation >40', Add	36.78	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.06	
26 05 33 13-0341 EA 4" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated .....	169.94	31.03
For Work In Restricted Working Space, Add	23.27	
For Elevated Installation >10' To 15', Add	7.76	
For Elevated Installation >15' To 20', Add	15.51	
For Elevated Installation >20' To 25', Add	19.39	
For Elevated Installation >25' To 30', Add	27.15	
For Elevated Installation >30' To 35', Add	31.02	
For Elevated Installation >35' To 40', Add	38.78	
For Elevated Installation >40', Add	42.66	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.27	
<b>26 05 33 13-0342 Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling</b> <small>(26 05 33 13-0060)</small>		
Note: Erickson fittings.		
26 05 33 13-0343 EA 1/2" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson).....	35.68	13.20
For Work In Restricted Working Space, Add	9.91	
For Elevated Installation >10' To 15', Add	3.30	
For Elevated Installation >15' To 20', Add	6.61	
For Elevated Installation >20' To 25', Add	8.26	
For Elevated Installation >25' To 30', Add	11.56	
For Elevated Installation >30' To 35', Add	13.22	
For Elevated Installation >35' To 40', Add	16.52	
For Elevated Installation >40', Add	18.17	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.91	
26 05 33 13-0344 EA 3/4" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson).....	40.27	14.77
For Work In Restricted Working Space, Add	11.06	
For Elevated Installation >10' To 15', Add	3.69	
For Elevated Installation >15' To 20', Add	7.38	
For Elevated Installation >20' To 25', Add	9.22	
For Elevated Installation >25' To 30', Add	12.91	
For Elevated Installation >30' To 35', Add	14.75	
For Elevated Installation >35' To 40', Add	18.44	
For Elevated Installation >40', Add	20.28	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.06	

**26 Electrical**

**26 05 Common Work Results for Electrical**

**26 05 33 Raceway and Boxes for Electrical Systems**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0345	EA	1" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson).....	47.34	16.42
			<i>For Work In Restricted Working Space, Add</i>	12.32	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	4.11	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	8.22	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	10.27	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	14.38	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	16.43	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	20.54	
			<i>For Elevated Installation &gt;40', Add</i>	22.59	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.32	
26 05 33	13-0346	EA	1-1/4" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson) .....	58.29	17.98
			<i>For Work In Restricted Working Space, Add</i>	13.49	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	4.50	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	8.99	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	11.24	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	15.73	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	17.98	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	22.48	
			<i>For Elevated Installation &gt;40', Add</i>	24.72	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.49	
26 05 33	13-0347	EA	1-1/2" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson) .....	65.17	19.64
			<i>For Work In Restricted Working Space, Add</i>	14.75	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	4.92	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	9.84	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	12.30	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	17.21	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	19.67	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	24.59	
			<i>For Elevated Installation &gt;40', Add</i>	27.05	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.75	
26 05 33	13-0348	EA	2" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson).....	85.28	21.28
			<i>For Work In Restricted Working Space, Add</i>	15.98	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	5.33	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	10.65	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	13.32	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	18.64	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	21.30	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	26.63	
			<i>For Elevated Installation &gt;40', Add</i>	29.29	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.98	
26 05 33	13-0349	EA	2-1/2" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson) .....	140.18	26.40
			<i>For Work In Restricted Working Space, Add</i>	19.80	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	6.60	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	13.20	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	16.50	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	23.10	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	26.40	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	33.00	
			<i>For Elevated Installation &gt;40', Add</i>	36.30	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.80	
26 05 33	13-0350	EA	3" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson).....	195.09	33.00
			<i>For Work In Restricted Working Space, Add</i>	24.75	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	8.25	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	16.50	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	20.63	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	28.88	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	33.00	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	41.25	
			<i>For Elevated Installation &gt;40', Add</i>	45.38	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.75	
26 05 33	13-0351	EA	3-1/2" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson) .....	286.57	39.61
			<i>For Work In Restricted Working Space, Add</i>	29.71	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	9.90	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	19.81	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	24.76	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	34.66	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	39.62	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	49.52	
			<i>For Elevated Installation &gt;40', Add</i>	54.47	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29.71	
26 05 33	13-0352	EA	4" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson).....	327.79	42.91
			<i>For Work In Restricted Working Space, Add</i>	32.18	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	10.73	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	21.45	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	26.81	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	37.54	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	42.90	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	53.63	
			<i>For Elevated Installation &gt;40', Add</i>	58.99	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32.18	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0353 EA 5" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson) .....	584.61	52.80
<i>For Work In Restricted Working Space, Add</i>	39.60	
<i>For Elevated Installation &gt;10' To 15', Add</i>	13.20	
<i>For Elevated Installation &gt;15' To 20', Add</i>	26.40	
<i>For Elevated Installation &gt;20' To 25', Add</i>	33.00	
<i>For Elevated Installation &gt;25' To 30', Add</i>	46.20	
<i>For Elevated Installation &gt;30' To 35', Add</i>	52.80	
<i>For Elevated Installation &gt;35' To 40', Add</i>	66.00	
<i>For Elevated Installation &gt;40', Add</i>	72.59	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	39.60	
26 05 33 13-0354 EA 6" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson) .....	755.92	61.05
<i>For Work In Restricted Working Space, Add</i>	45.79	
<i>For Elevated Installation &gt;10' To 15', Add</i>	15.26	
<i>For Elevated Installation &gt;15' To 20', Add</i>	30.52	
<i>For Elevated Installation &gt;20' To 25', Add</i>	38.16	
<i>For Elevated Installation &gt;25' To 30', Add</i>	53.42	
<i>For Elevated Installation &gt;30' To 35', Add</i>	61.05	
<i>For Elevated Installation &gt;35' To 40', Add</i>	76.31	
<i>For Elevated Installation &gt;40', Add</i>	83.94	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	45.79	
<b>26 05 33 13-0355 Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connectors <small>(26 05 33 13-0060)</small></b>		
26 05 33 13-0356 EA 1/2" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector .....	24.34	6.60
<i>For Work In Restricted Working Space, Add</i>	4.95	
<i>For Elevated Installation &gt;10' To 15', Add</i>	1.65	
<i>For Elevated Installation &gt;15' To 20', Add</i>	3.30	
<i>For Elevated Installation &gt;20' To 25', Add</i>	4.13	
<i>For Elevated Installation &gt;25' To 30', Add</i>	5.78	
<i>For Elevated Installation &gt;30' To 35', Add</i>	6.60	
<i>For Elevated Installation &gt;35' To 40', Add</i>	8.25	
<i>For Elevated Installation &gt;40', Add</i>	9.08	
26 05 33 13-0357 EA 3/4" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector .....	27.43	7.26
<i>For Work In Restricted Working Space, Add</i>	5.45	
<i>For Elevated Installation &gt;10' To 15', Add</i>	1.82	
<i>For Elevated Installation &gt;15' To 20', Add</i>	3.63	
<i>For Elevated Installation &gt;20' To 25', Add</i>	4.54	
<i>For Elevated Installation &gt;25' To 30', Add</i>	6.35	
<i>For Elevated Installation &gt;30' To 35', Add</i>	7.26	
<i>For Elevated Installation &gt;35' To 40', Add</i>	9.08	
<i>For Elevated Installation &gt;40', Add</i>	9.98	
26 05 33 13-0358 EA 1" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector .....	31.68	8.25
<i>For Work In Restricted Working Space, Add</i>	6.19	
<i>For Elevated Installation &gt;10' To 15', Add</i>	2.06	
<i>For Elevated Installation &gt;15' To 20', Add</i>	4.13	
<i>For Elevated Installation &gt;20' To 25', Add</i>	5.16	
<i>For Elevated Installation &gt;25' To 30', Add</i>	7.22	
<i>For Elevated Installation &gt;30' To 35', Add</i>	8.25	
<i>For Elevated Installation &gt;35' To 40', Add</i>	10.32	
<i>For Elevated Installation &gt;40', Add</i>	11.35	
26 05 33 13-0359 EA 1-1/4" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector .....	36.86	8.91
<i>For Work In Restricted Working Space, Add</i>	6.68	
<i>For Elevated Installation &gt;10' To 15', Add</i>	2.23	
<i>For Elevated Installation &gt;15' To 20', Add</i>	4.46	
<i>For Elevated Installation &gt;20' To 25', Add</i>	5.57	
<i>For Elevated Installation &gt;25' To 30', Add</i>	7.80	
<i>For Elevated Installation &gt;30' To 35', Add</i>	8.91	
<i>For Elevated Installation &gt;35' To 40', Add</i>	11.14	
<i>For Elevated Installation &gt;40', Add</i>	12.25	
26 05 33 13-0360 EA 1-1/2" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector .....	45.08	9.90
<i>For Work In Restricted Working Space, Add</i>	7.43	
<i>For Elevated Installation &gt;10' To 15', Add</i>	2.48	
<i>For Elevated Installation &gt;15' To 20', Add</i>	4.95	
<i>For Elevated Installation &gt;20' To 25', Add</i>	6.19	
<i>For Elevated Installation &gt;25' To 30', Add</i>	8.66	
<i>For Elevated Installation &gt;30' To 35', Add</i>	9.90	
<i>For Elevated Installation &gt;35' To 40', Add</i>	12.38	
<i>For Elevated Installation &gt;40', Add</i>	13.61	
26 05 33 13-0361 EA 2" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector .....	57.28	10.89
<i>For Work In Restricted Working Space, Add</i>	8.17	
<i>For Elevated Installation &gt;10' To 15', Add</i>	2.72	
<i>For Elevated Installation &gt;15' To 20', Add</i>	5.45	
<i>For Elevated Installation &gt;20' To 25', Add</i>	6.81	
<i>For Elevated Installation &gt;25' To 30', Add</i>	9.53	
<i>For Elevated Installation &gt;30' To 35', Add</i>	10.89	
<i>For Elevated Installation &gt;35' To 40', Add</i>	13.62	
<i>For Elevated Installation &gt;40', Add</i>	14.98	

**26 Electrical**  
**26 05 Common Work Results for Electrical**  
**26 05 33 Raceway and Boxes for Electrical Systems**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0362	EA	2-1/2" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	81.17	13.20
			<i>For Work In Restricted Working Space, Add</i>	9.90	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	3.30	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	6.60	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	8.25	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	11.55	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	13.20	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	16.50	
			<i>For Elevated Installation &gt;40', Add</i>	18.15	
26 05 33	13-0363	EA	3" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	100.02	16.50
			<i>For Work In Restricted Working Space, Add</i>	12.38	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	4.13	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	8.25	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	10.31	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	14.44	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	16.50	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	20.63	
			<i>For Elevated Installation &gt;40', Add</i>	22.69	
26 05 33	13-0364	EA	3-1/2" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	120.20	19.80
			<i>For Work In Restricted Working Space, Add</i>	14.85	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	4.95	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	9.90	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	12.38	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	17.33	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	19.80	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	24.75	
			<i>For Elevated Installation &gt;40', Add</i>	27.23	
26 05 33	13-0365	EA	4" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	137.59	21.45
			<i>For Work In Restricted Working Space, Add</i>	16.09	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	5.36	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	10.73	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	13.41	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	18.77	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	21.45	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	26.82	
			<i>For Elevated Installation &gt;40', Add</i>	29.50	
<b>26 05 33 13-0366 Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs <small>(26 05 33 13-0060)</small></b>					
26 05 33	13-0367	EA	1/2" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs	19.51	7.43
			<i>For Work In Restricted Working Space, Add</i>	4.46	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.49	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	2.97	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	3.71	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	5.20	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	5.94	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	7.43	
			<i>For Elevated Installation &gt;40', Add</i>	8.17	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.46	
26 05 33	13-0368	EA	3/4" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs	21.76	8.25
			<i>For Work In Restricted Working Space, Add</i>	4.95	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.65	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	3.30	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	4.13	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	5.78	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	6.60	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	8.25	
			<i>For Elevated Installation &gt;40', Add</i>	9.08	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.95	
26 05 33	13-0369	EA	1" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs	26.80	10.32
			<i>For Work In Restricted Working Space, Add</i>	6.19	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	2.06	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	4.13	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	5.16	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	7.22	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	8.25	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	10.32	
			<i>For Elevated Installation &gt;40', Add</i>	11.35	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.19	
26 05 33	13-0370	EA	1-1/4" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs	33.13	12.37
			<i>For Work In Restricted Working Space, Add</i>	7.43	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	2.48	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	4.95	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	6.19	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	8.66	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	9.90	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	12.38	
			<i>For Elevated Installation &gt;40', Add</i>	13.61	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.43	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0371 EA 1-1/2" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs.....	42.21	16.50
For Work In Restricted Working Space, Add	9.90	
For Elevated Installation >10' To 15', Add	3.30	
For Elevated Installation >15' To 20', Add	6.60	
For Elevated Installation >20' To 25', Add	8.25	
For Elevated Installation >25' To 30', Add	11.55	
For Elevated Installation >30' To 35', Add	13.20	
For Elevated Installation >35' To 40', Add	16.50	
For Elevated Installation >40', Add	18.15	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.90	
26 05 33 13-0372 EA 2" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs.....	49.44	18.56
For Work In Restricted Working Space, Add	11.14	
For Elevated Installation >10' To 15', Add	3.71	
For Elevated Installation >15' To 20', Add	7.43	
For Elevated Installation >20' To 25', Add	9.28	
For Elevated Installation >25' To 30', Add	13.00	
For Elevated Installation >30' To 35', Add	14.85	
For Elevated Installation >35' To 40', Add	18.57	
For Elevated Installation >40', Add	20.42	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.14	
26 05 33 13-0373 EA 2-1/2" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs.....	62.15	20.63
For Work In Restricted Working Space, Add	12.38	
For Elevated Installation >10' To 15', Add	4.13	
For Elevated Installation >15' To 20', Add	8.25	
For Elevated Installation >20' To 25', Add	10.31	
For Elevated Installation >25' To 30', Add	14.44	
For Elevated Installation >30' To 35', Add	16.50	
For Elevated Installation >35' To 40', Add	20.63	
For Elevated Installation >40', Add	22.69	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.38	
26 05 33 13-0374 EA 3" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs.....	84.74	25.99
For Work In Restricted Working Space, Add	15.59	
For Elevated Installation >10' To 15', Add	5.20	
For Elevated Installation >15' To 20', Add	10.40	
For Elevated Installation >20' To 25', Add	13.00	
For Elevated Installation >25' To 30', Add	18.19	
For Elevated Installation >30' To 35', Add	20.79	
For Elevated Installation >35' To 40', Add	25.99	
For Elevated Installation >40', Add	28.59	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.59	
26 05 33 13-0375 EA 3-1/2" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs.....	100.31	31.35
For Work In Restricted Working Space, Add	18.81	
For Elevated Installation >10' To 15', Add	6.27	
For Elevated Installation >15' To 20', Add	12.54	
For Elevated Installation >20' To 25', Add	15.68	
For Elevated Installation >25' To 30', Add	21.95	
For Elevated Installation >30' To 35', Add	25.08	
For Elevated Installation >35' To 40', Add	31.35	
For Elevated Installation >40', Add	34.49	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.81	
26 05 33 13-0376 EA 4" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs.....	123.84	37.13
For Work In Restricted Working Space, Add	22.28	
For Elevated Installation >10' To 15', Add	7.43	
For Elevated Installation >15' To 20', Add	14.85	
For Elevated Installation >20' To 25', Add	18.56	
For Elevated Installation >25' To 30', Add	25.99	
For Elevated Installation >30' To 35', Add	29.70	
For Elevated Installation >35' To 40', Add	37.13	
For Elevated Installation >40', Add	40.84	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	22.28	
<b>26 05 33 13-0377 Rigid Galvanized Steel (RGS) Expansion Fittings, 4" Conduit Movement</b> <sup>(26 05 33 13-0960)</sup>		
Note: Type AX		
26 05 33 13-0378 EA 1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement.....	90.34	13.20
For Work In Restricted Working Space, Add	9.90	
For Elevated Installation >10' To 15', Add	3.30	
For Elevated Installation >15' To 20', Add	6.60	
For Elevated Installation >20' To 25', Add	8.25	
For Elevated Installation >25' To 30', Add	11.55	
For Elevated Installation >30' To 35', Add	13.20	
For Elevated Installation >35' To 40', Add	16.50	
For Elevated Installation >40', Add	18.15	
26 05 33 13-0379 EA 3/4" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement.....	102.58	14.85
For Work In Restricted Working Space, Add	11.14	
For Elevated Installation >10' To 15', Add	3.71	
For Elevated Installation >15' To 20', Add	7.43	
For Elevated Installation >20' To 25', Add	9.28	
For Elevated Installation >25' To 30', Add	13.00	
For Elevated Installation >30' To 35', Add	14.85	
For Elevated Installation >35' To 40', Add	18.57	
For Elevated Installation >40', Add	20.42	

**26 Electrical**

**26 05 Common Work Results for Electrical**

**26 05 33 Raceway and Boxes for Electrical Systems**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0380	EA	1" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement.....	121.79	16.50
			<i>For Work In Restricted Working Space, Add</i>	12.38	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	4.13	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	8.25	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	10.32	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	14.44	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	16.50	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	20.63	
			<i>For Elevated Installation &gt;40', Add</i>	22.69	
26 05 33	13-0381	EA	1-1/4" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement .....	149.69	18.15
			<i>For Work In Restricted Working Space, Add</i>	13.61	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	4.54	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	9.08	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	11.35	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	15.88	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	18.15	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	22.69	
			<i>For Elevated Installation &gt;40', Add</i>	24.96	
26 05 33	13-0382	EA	1-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement .....	188.89	19.80
			<i>For Work In Restricted Working Space, Add</i>	14.85	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	4.95	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	9.90	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	12.38	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	17.33	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	19.80	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	24.75	
			<i>For Elevated Installation &gt;40', Add</i>	27.23	
26 05 33	13-0383	EA	2" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement.....	262.71	21.45
			<i>For Work In Restricted Working Space, Add</i>	16.09	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	5.36	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	10.72	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	13.41	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	18.77	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	21.45	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	26.81	
			<i>For Elevated Installation &gt;40', Add</i>	29.49	
26 05 33	13-0384	EA	2-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement .....	404.00	26.40
			<i>For Work In Restricted Working Space, Add</i>	19.80	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	6.60	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	13.20	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	16.50	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	23.10	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	26.40	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	33.00	
			<i>For Elevated Installation &gt;40', Add</i>	36.30	
26 05 33	13-0385	EA	3" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement.....	517.83	33.00
			<i>For Work In Restricted Working Space, Add</i>	24.75	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	8.25	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	16.50	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	20.63	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	28.88	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	33.00	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	41.25	
			<i>For Elevated Installation &gt;40', Add</i>	45.38	
26 05 33	13-0386	EA	3-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement .....	758.26	39.61
			<i>For Work In Restricted Working Space, Add</i>	29.71	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	9.90	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	19.80	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	24.76	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	34.66	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	39.61	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	49.51	
			<i>For Elevated Installation &gt;40', Add</i>	54.46	
26 05 33	13-0387	EA	4" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement.....	808.11	42.91
			<i>For Work In Restricted Working Space, Add</i>	32.18	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	10.73	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	21.45	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	26.81	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	37.54	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	42.90	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	53.63	
			<i>For Elevated Installation &gt;40', Add</i>	58.99	
26 05 33	13-0388	EA	5" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement.....	1,241.22	52.80
			<i>For Work In Restricted Working Space, Add</i>	39.60	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	13.20	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	26.40	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	33.00	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	46.20	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	52.80	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	66.01	
			<i>For Elevated Installation &gt;40', Add</i>	72.61	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0389 EA 6" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement .....	1,526.42	58.58
<i>For Work In Restricted Working Space, Add</i>	43.96	
<i>For Elevated Installation &gt;10' To 15', Add</i>	14.65	
<i>For Elevated Installation &gt;15' To 20', Add</i>	29.31	
<i>For Elevated Installation &gt;20' To 25', Add</i>	36.63	
<i>For Elevated Installation &gt;25' To 30', Add</i>	51.29	
<i>For Elevated Installation &gt;30' To 35', Add</i>	58.61	
<i>For Elevated Installation &gt;35' To 40', Add</i>	73.27	
<i>For Elevated Installation &gt;40', Add</i>	80.59	
 26 05 33 13-0390 Rigid Galvanized Steel (RGS) Expansion Fittings, 8" Conduit Movement <sup>(26 05</sup>		
<small>33 13-0060</small>		
Note: Type AX-8		
26 05 33 13-0391 EA 1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement .....	99.92	13.20
<i>For Work In Restricted Working Space, Add</i>	9.90	
<i>For Elevated Installation &gt;10' To 15', Add</i>	3.30	
<i>For Elevated Installation &gt;15' To 20', Add</i>	6.60	
<i>For Elevated Installation &gt;20' To 25', Add</i>	8.25	
<i>For Elevated Installation &gt;25' To 30', Add</i>	11.55	
<i>For Elevated Installation &gt;30' To 35', Add</i>	13.20	
<i>For Elevated Installation &gt;35' To 40', Add</i>	16.50	
<i>For Elevated Installation &gt;40', Add</i>	18.15	
26 05 33 13-0392 EA 3/4" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement .....	111.08	14.85
<i>For Work In Restricted Working Space, Add</i>	11.14	
<i>For Elevated Installation &gt;10' To 15', Add</i>	3.71	
<i>For Elevated Installation &gt;15' To 20', Add</i>	7.43	
<i>For Elevated Installation &gt;20' To 25', Add</i>	9.28	
<i>For Elevated Installation &gt;25' To 30', Add</i>	13.00	
<i>For Elevated Installation &gt;30' To 35', Add</i>	14.85	
<i>For Elevated Installation &gt;35' To 40', Add</i>	18.57	
<i>For Elevated Installation &gt;40', Add</i>	20.42	
26 05 33 13-0393 EA 1" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement .....	135.11	16.50
<i>For Work In Restricted Working Space, Add</i>	12.38	
<i>For Elevated Installation &gt;10' To 15', Add</i>	4.13	
<i>For Elevated Installation &gt;15' To 20', Add</i>	8.25	
<i>For Elevated Installation &gt;20' To 25', Add</i>	10.32	
<i>For Elevated Installation &gt;25' To 30', Add</i>	14.44	
<i>For Elevated Installation &gt;30' To 35', Add</i>	16.50	
<i>For Elevated Installation &gt;35' To 40', Add</i>	20.63	
<i>For Elevated Installation &gt;40', Add</i>	22.69	
26 05 33 13-0394 EA 1-1/4" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement .....	170.67	18.15
<i>For Work In Restricted Working Space, Add</i>	13.61	
<i>For Elevated Installation &gt;10' To 15', Add</i>	4.54	
<i>For Elevated Installation &gt;15' To 20', Add</i>	9.08	
<i>For Elevated Installation &gt;20' To 25', Add</i>	11.35	
<i>For Elevated Installation &gt;25' To 30', Add</i>	15.88	
<i>For Elevated Installation &gt;30' To 35', Add</i>	18.15	
<i>For Elevated Installation &gt;35' To 40', Add</i>	22.69	
<i>For Elevated Installation &gt;40', Add</i>	24.96	
26 05 33 13-0395 EA 1-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement .....	230.60	19.80
<i>For Work In Restricted Working Space, Add</i>	14.85	
<i>For Elevated Installation &gt;10' To 15', Add</i>	4.95	
<i>For Elevated Installation &gt;15' To 20', Add</i>	9.90	
<i>For Elevated Installation &gt;20' To 25', Add</i>	12.38	
<i>For Elevated Installation &gt;25' To 30', Add</i>	17.33	
<i>For Elevated Installation &gt;30' To 35', Add</i>	19.80	
<i>For Elevated Installation &gt;35' To 40', Add</i>	24.75	
<i>For Elevated Installation &gt;40', Add</i>	27.23	
26 05 33 13-0396 EA 2" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement .....	282.63	21.45
<i>For Work In Restricted Working Space, Add</i>	16.09	
<i>For Elevated Installation &gt;10' To 15', Add</i>	5.36	
<i>For Elevated Installation &gt;15' To 20', Add</i>	10.72	
<i>For Elevated Installation &gt;20' To 25', Add</i>	13.41	
<i>For Elevated Installation &gt;25' To 30', Add</i>	18.77	
<i>For Elevated Installation &gt;30' To 35', Add</i>	21.45	
<i>For Elevated Installation &gt;35' To 40', Add</i>	26.81	
<i>For Elevated Installation &gt;40', Add</i>	29.49	
26 05 33 13-0397 EA 2-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement .....	533.19	26.40
<i>For Work In Restricted Working Space, Add</i>	19.80	
<i>For Elevated Installation &gt;10' To 15', Add</i>	6.60	
<i>For Elevated Installation &gt;15' To 20', Add</i>	13.20	
<i>For Elevated Installation &gt;20' To 25', Add</i>	16.50	
<i>For Elevated Installation &gt;25' To 30', Add</i>	23.10	
<i>For Elevated Installation &gt;30' To 35', Add</i>	26.40	
<i>For Elevated Installation &gt;35' To 40', Add</i>	33.00	
<i>For Elevated Installation &gt;40', Add</i>	36.30	
26 05 33 13-0398 EA 3" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement .....	606.04	33.00
<i>For Work In Restricted Working Space, Add</i>	24.75	
<i>For Elevated Installation &gt;10' To 15', Add</i>	8.25	
<i>For Elevated Installation &gt;15' To 20', Add</i>	16.50	
<i>For Elevated Installation &gt;20' To 25', Add</i>	20.63	
<i>For Elevated Installation &gt;25' To 30', Add</i>	28.88	
<i>For Elevated Installation &gt;30' To 35', Add</i>	33.00	
<i>For Elevated Installation &gt;35' To 40', Add</i>	41.25	
<i>For Elevated Installation &gt;40', Add</i>	45.38	

**26 Electrical**

**26 05 Common Work Results for Electrical**

**26 05 33 Raceway and Boxes for Electrical Systems**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0399	EA	3-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement .....	932.58	39.61
			<i>For Work In Restricted Working Space, Add</i>	29.71	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	9.90	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	19.80	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	24.76	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	34.66	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	39.61	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	49.51	
			<i>For Elevated Installation &gt;40', Add</i>	54.46	
26 05 33	13-0400	EA	4" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement.....	1,009.60	42.91
			<i>For Work In Restricted Working Space, Add</i>	32.18	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	10.73	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	21.45	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	26.81	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	37.54	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	42.90	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	53.63	
			<i>For Elevated Installation &gt;40', Add</i>	58.99	
26 05 33	13-0401	EA	5" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement.....	1,411.07	52.80
			<i>For Work In Restricted Working Space, Add</i>	39.60	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	13.20	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	26.40	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	33.00	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	46.20	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	52.80	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	66.01	
			<i>For Elevated Installation &gt;40', Add</i>	72.61	
26 05 33	13-0402	EA	6" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement.....	1,744.94	58.58
			<i>For Work In Restricted Working Space, Add</i>	43.96	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	14.65	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	29.31	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	36.63	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	51.29	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	58.61	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	73.27	
			<i>For Elevated Installation &gt;40', Add</i>	80.59	
26 05 33	13-0403		<b>Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fittings, 8" Conduit Movement</b> <small>(26 05 33 13-0060)</small>		
			Note: Type EX		
26 05 33	13-0404	EA	1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	113.95	13.20
			<i>For Work In Restricted Working Space, Add</i>	9.90	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	3.30	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	6.60	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	8.25	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	11.55	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	13.20	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	16.50	
			<i>For Elevated Installation &gt;40', Add</i>	18.15	
26 05 33	13-0405	EA	3/4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	144.16	14.85
			<i>For Work In Restricted Working Space, Add</i>	11.14	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	3.71	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	7.43	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	9.28	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	13.00	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	14.85	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	18.57	
			<i>For Elevated Installation &gt;40', Add</i>	20.42	
26 05 33	13-0406	EA	1" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	179.80	16.50
			<i>For Work In Restricted Working Space, Add</i>	12.38	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	4.13	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	8.25	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	10.32	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	14.44	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	16.50	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	20.63	
			<i>For Elevated Installation &gt;40', Add</i>	22.69	
26 05 33	13-0407	EA	1-1/4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	219.06	18.15
			<i>For Work In Restricted Working Space, Add</i>	13.61	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	4.54	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	9.08	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	11.35	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	15.88	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	18.15	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	22.69	
			<i>For Elevated Installation &gt;40', Add</i>	24.96	
26 05 33	13-0408	EA	1-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	296.11	19.80
			<i>For Work In Restricted Working Space, Add</i>	14.85	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	4.95	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	9.90	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	12.38	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	17.33	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	19.80	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	24.75	
			<i>For Elevated Installation &gt;40', Add</i>	27.23	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0409 EA 2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	409.24	21.45
For Work In Restricted Working Space, Add	16.09	
For Elevated Installation >10' To 15', Add	5.36	
For Elevated Installation >15' To 20', Add	10.72	
For Elevated Installation >20' To 25', Add	13.41	
For Elevated Installation >25' To 30', Add	18.77	
For Elevated Installation >30' To 35', Add	21.45	
For Elevated Installation >35' To 40', Add	26.81	
For Elevated Installation >40', Add	29.49	
26 05 33 13-0410 EA 2-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	637.42	26.40
For Work In Restricted Working Space, Add	19.80	
For Elevated Installation >10' To 15', Add	6.60	
For Elevated Installation >15' To 20', Add	13.20	
For Elevated Installation >20' To 25', Add	16.50	
For Elevated Installation >25' To 30', Add	23.10	
For Elevated Installation >30' To 35', Add	26.40	
For Elevated Installation >35' To 40', Add	33.00	
For Elevated Installation >40', Add	36.30	
26 05 33 13-0411 EA 3" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	859.83	33.00
For Work In Restricted Working Space, Add	24.75	
For Elevated Installation >10' To 15', Add	8.25	
For Elevated Installation >15' To 20', Add	16.50	
For Elevated Installation >20' To 25', Add	20.63	
For Elevated Installation >25' To 30', Add	28.88	
For Elevated Installation >30' To 35', Add	33.00	
For Elevated Installation >35' To 40', Add	41.25	
For Elevated Installation >40', Add	45.38	
26 05 33 13-0412 EA 3-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	1,293.55	39.61
For Work In Restricted Working Space, Add	29.71	
For Elevated Installation >10' To 15', Add	9.90	
For Elevated Installation >15' To 20', Add	19.80	
For Elevated Installation >20' To 25', Add	24.76	
For Elevated Installation >25' To 30', Add	34.66	
For Elevated Installation >30' To 35', Add	39.61	
For Elevated Installation >35' To 40', Add	49.51	
For Elevated Installation >40', Add	54.46	
26 05 33 13-0413 EA 4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	1,338.38	42.91
For Work In Restricted Working Space, Add	32.18	
For Elevated Installation >10' To 15', Add	10.73	
For Elevated Installation >15' To 20', Add	21.45	
For Elevated Installation >20' To 25', Add	26.81	
For Elevated Installation >25' To 30', Add	37.54	
For Elevated Installation >30' To 35', Add	42.90	
For Elevated Installation >35' To 40', Add	53.63	
For Elevated Installation >40', Add	58.99	
26 05 33 13-0414 EA 5" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	2,017.13	52.80
For Work In Restricted Working Space, Add	39.60	
For Elevated Installation >10' To 15', Add	13.20	
For Elevated Installation >15' To 20', Add	26.40	
For Elevated Installation >20' To 25', Add	33.00	
For Elevated Installation >25' To 30', Add	46.20	
For Elevated Installation >30' To 35', Add	52.80	
For Elevated Installation >35' To 40', Add	66.01	
For Elevated Installation >40', Add	72.61	
26 05 33 13-0415 EA 6" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	2,502.32	58.58
For Work In Restricted Working Space, Add	43.96	
For Elevated Installation >10' To 15', Add	14.65	
For Elevated Installation >15' To 20', Add	29.31	
For Elevated Installation >20' To 25', Add	36.63	
For Elevated Installation >25' To 30', Add	51.29	
For Elevated Installation >30' To 35', Add	58.61	
For Elevated Installation >35' To 40', Add	73.27	
For Elevated Installation >40', Add	80.59	
<b>26 05 33 13-0416 Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fittings</b> <small>(26 05 33 13-0060)</small>		
Note: Type DX		
26 05 33 13-0417 EA 1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting.....	200.47	13.20
For Work In Restricted Working Space, Add	9.90	
For Elevated Installation >10' To 15', Add	3.30	
For Elevated Installation >15' To 20', Add	6.60	
For Elevated Installation >20' To 25', Add	8.25	
For Elevated Installation >25' To 30', Add	11.55	
For Elevated Installation >30' To 35', Add	13.20	
For Elevated Installation >35' To 40', Add	16.50	
For Elevated Installation >40', Add	18.15	
26 05 33 13-0418 EA 3/4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting.....	239.03	14.85
For Work In Restricted Working Space, Add	11.14	
For Elevated Installation >10' To 15', Add	3.71	
For Elevated Installation >15' To 20', Add	7.43	
For Elevated Installation >20' To 25', Add	9.28	
For Elevated Installation >25' To 30', Add	13.00	
For Elevated Installation >30' To 35', Add	14.85	
For Elevated Installation >35' To 40', Add	18.57	
For Elevated Installation >40', Add	20.42	

**26 Electrical**

**26 05 Common Work Results for Electrical**

**26 05 33 Raceway and Boxes for Electrical Systems**



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0419 EA 1" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting .....	289.28	16.50
For Work In Restricted Working Space, Add	12.38	
For Elevated Installation >10' To 15', Add	4.13	
For Elevated Installation >15' To 20', Add	8.25	
For Elevated Installation >20' To 25', Add	10.32	
For Elevated Installation >25' To 30', Add	14.44	
For Elevated Installation >30' To 35', Add	16.50	
For Elevated Installation >35' To 40', Add	20.63	
For Elevated Installation >40', Add	22.69	
26 05 33 13-0420 EA 1-1/4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting .....	340.37	18.15
For Work In Restricted Working Space, Add	13.61	
For Elevated Installation >10' To 15', Add	4.54	
For Elevated Installation >15' To 20', Add	9.08	
For Elevated Installation >20' To 25', Add	11.35	
For Elevated Installation >25' To 30', Add	15.88	
For Elevated Installation >30' To 35', Add	18.15	
For Elevated Installation >35' To 40', Add	22.69	
For Elevated Installation >40', Add	24.96	
26 05 33 13-0421 EA 1-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting .....	376.46	19.80
For Work In Restricted Working Space, Add	14.85	
For Elevated Installation >10' To 15', Add	4.95	
For Elevated Installation >15' To 20', Add	9.90	
For Elevated Installation >20' To 25', Add	12.38	
For Elevated Installation >25' To 30', Add	17.33	
For Elevated Installation >30' To 35', Add	19.80	
For Elevated Installation >35' To 40', Add	24.75	
For Elevated Installation >40', Add	27.23	
26 05 33 13-0422 EA 2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting .....	465.98	21.45
For Work In Restricted Working Space, Add	16.09	
For Elevated Installation >10' To 15', Add	5.36	
For Elevated Installation >15' To 20', Add	10.72	
For Elevated Installation >20' To 25', Add	13.41	
For Elevated Installation >25' To 30', Add	18.77	
For Elevated Installation >30' To 35', Add	21.45	
For Elevated Installation >35' To 40', Add	26.81	
For Elevated Installation >40', Add	29.49	
26 05 33 13-0423 EA 2-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting .....	616.35	26.40
For Work In Restricted Working Space, Add	19.80	
For Elevated Installation >10' To 15', Add	6.60	
For Elevated Installation >15' To 20', Add	13.20	
For Elevated Installation >20' To 25', Add	16.50	
For Elevated Installation >25' To 30', Add	23.10	
For Elevated Installation >30' To 35', Add	26.40	
For Elevated Installation >35' To 40', Add	33.00	
For Elevated Installation >40', Add	36.30	
26 05 33 13-0424 EA 3" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting .....	781.77	33.00
For Work In Restricted Working Space, Add	24.75	
For Elevated Installation >10' To 15', Add	8.25	
For Elevated Installation >15' To 20', Add	16.50	
For Elevated Installation >20' To 25', Add	20.63	
For Elevated Installation >25' To 30', Add	28.88	
For Elevated Installation >30' To 35', Add	33.00	
For Elevated Installation >35' To 40', Add	41.25	
For Elevated Installation >40', Add	45.38	
26 05 33 13-0425 EA 3-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting .....	879.07	39.61
For Work In Restricted Working Space, Add	29.71	
For Elevated Installation >10' To 15', Add	9.90	
For Elevated Installation >15' To 20', Add	19.80	
For Elevated Installation >20' To 25', Add	24.76	
For Elevated Installation >25' To 30', Add	34.66	
For Elevated Installation >30' To 35', Add	39.61	
For Elevated Installation >35' To 40', Add	49.51	
For Elevated Installation >40', Add	54.46	
26 05 33 13-0426 EA 4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting .....	1,067.19	42.91
For Work In Restricted Working Space, Add	32.18	
For Elevated Installation >10' To 15', Add	10.73	
For Elevated Installation >15' To 20', Add	21.45	
For Elevated Installation >20' To 25', Add	26.81	
For Elevated Installation >25' To 30', Add	37.54	
For Elevated Installation >30' To 35', Add	42.90	
For Elevated Installation >35' To 40', Add	53.63	
For Elevated Installation >40', Add	58.99	
26 05 33 13-0427 EA 5" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting .....	1,830.12	52.80
For Work In Restricted Working Space, Add	39.60	
For Elevated Installation >10' To 15', Add	13.20	
For Elevated Installation >15' To 20', Add	26.40	
For Elevated Installation >20' To 25', Add	33.00	
For Elevated Installation >25' To 30', Add	46.20	
For Elevated Installation >30' To 35', Add	52.80	
For Elevated Installation >35' To 40', Add	66.01	
For Elevated Installation >40', Add	72.61	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0428 EA 6" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting .....	2,915.90	58.58
<i>For Work In Restricted Working Space, Add</i>	43.96	
<i>For Elevated Installation &gt;10' To 15', Add</i>	14.65	
<i>For Elevated Installation &gt;15' To 20', Add</i>	29.31	
<i>For Elevated Installation &gt;20' To 25', Add</i>	36.63	
<i>For Elevated Installation &gt;25' To 30', Add</i>	51.29	
<i>For Elevated Installation &gt;30' To 35', Add</i>	58.61	
<i>For Elevated Installation &gt;35' To 40', Add</i>	73.27	
<i>For Elevated Installation &gt;40', Add</i>	80.59	
 26 05 33 13-0429 Rigid Galvanized Steel (RGS) Conduit Bonding Jumpers <small>(26 05 33 13-0060)</small>		
26 05 33 13-0430 EA 1/2" To 3/4" Conduit, 14" Bonding Jumper .....	51.04	6.60
<i>For Work In Restricted Working Space, Add</i>	4.95	
<i>For Elevated Installation &gt;10' To 15', Add</i>	1.65	
<i>For Elevated Installation &gt;15' To 20', Add</i>	3.30	
<i>For Elevated Installation &gt;20' To 25', Add</i>	4.13	
<i>For Elevated Installation &gt;25' To 30', Add</i>	5.78	
<i>For Elevated Installation &gt;30' To 35', Add</i>	6.60	
<i>For Elevated Installation &gt;35' To 40', Add</i>	8.26	
<i>For Elevated Installation &gt;40', Add</i>	9.08	
26 05 33 13-0431 EA 1" To 1-1/4" Conduit, 14" Bonding Jumper .....	58.64	8.25
<i>For Work In Restricted Working Space, Add</i>	6.19	
<i>For Elevated Installation &gt;10' To 15', Add</i>	2.06	
<i>For Elevated Installation &gt;15' To 20', Add</i>	4.13	
<i>For Elevated Installation &gt;20' To 25', Add</i>	5.16	
<i>For Elevated Installation &gt;25' To 30', Add</i>	7.22	
<i>For Elevated Installation &gt;30' To 35', Add</i>	8.25	
<i>For Elevated Installation &gt;35' To 40', Add</i>	10.32	
<i>For Elevated Installation &gt;40', Add</i>	11.35	
26 05 33 13-0432 EA 1-1/2" To 2" Conduit, 14" Bonding Jumper .....	72.36	9.90
<i>For Work In Restricted Working Space, Add</i>	7.43	
<i>For Elevated Installation &gt;10' To 15', Add</i>	2.48	
<i>For Elevated Installation &gt;15' To 20', Add</i>	4.95	
<i>For Elevated Installation &gt;20' To 25', Add</i>	6.19	
<i>For Elevated Installation &gt;25' To 30', Add</i>	8.66	
<i>For Elevated Installation &gt;30' To 35', Add</i>	9.90	
<i>For Elevated Installation &gt;35' To 40', Add</i>	12.38	
<i>For Elevated Installation &gt;40', Add</i>	13.61	
26 05 33 13-0433 EA 2-1/2" To 3" Conduit, 14" Bonding Jumper .....	101.80	13.20
<i>For Work In Restricted Working Space, Add</i>	9.90	
<i>For Elevated Installation &gt;10' To 15', Add</i>	3.30	
<i>For Elevated Installation &gt;15' To 20', Add</i>	6.60	
<i>For Elevated Installation &gt;20' To 25', Add</i>	8.25	
<i>For Elevated Installation &gt;25' To 30', Add</i>	11.55	
<i>For Elevated Installation &gt;30' To 35', Add</i>	13.20	
<i>For Elevated Installation &gt;35' To 40', Add</i>	16.50	
<i>For Elevated Installation &gt;40', Add</i>	18.15	
26 05 33 13-0434 EA 3-1/2" To 4" Conduit, 14" Bonding Jumper .....	154.28	19.80
<i>For Work In Restricted Working Space, Add</i>	14.85	
<i>For Elevated Installation &gt;10' To 15', Add</i>	4.95	
<i>For Elevated Installation &gt;15' To 20', Add</i>	9.90	
<i>For Elevated Installation &gt;20' To 25', Add</i>	12.38	
<i>For Elevated Installation &gt;25' To 30', Add</i>	17.33	
<i>For Elevated Installation &gt;30' To 35', Add</i>	19.80	
<i>For Elevated Installation &gt;35' To 40', Add</i>	24.76	
<i>For Elevated Installation &gt;40', Add</i>	27.23	
26 05 33 13-0435 EA 5" To 6" Conduit, 14" Bonding Jumper .....	265.07	26.40
<i>For Work In Restricted Working Space, Add</i>	19.80	
<i>For Elevated Installation &gt;10' To 15', Add</i>	6.60	
<i>For Elevated Installation &gt;15' To 20', Add</i>	13.20	
<i>For Elevated Installation &gt;20' To 25', Add</i>	16.50	
<i>For Elevated Installation &gt;25' To 30', Add</i>	23.10	
<i>For Elevated Installation &gt;30' To 35', Add</i>	26.40	
<i>For Elevated Installation &gt;35' To 40', Add</i>	33.00	
<i>For Elevated Installation &gt;40', Add</i>	36.30	
26 05 33 13-0436 EA 1/2" To 3/4" Conduit, 24" Bonding Jumper .....	56.95	6.60
<i>For Work In Restricted Working Space, Add</i>	4.95	
<i>For Elevated Installation &gt;10' To 15', Add</i>	1.65	
<i>For Elevated Installation &gt;15' To 20', Add</i>	3.30	
<i>For Elevated Installation &gt;20' To 25', Add</i>	4.13	
<i>For Elevated Installation &gt;25' To 30', Add</i>	5.78	
<i>For Elevated Installation &gt;30' To 35', Add</i>	6.60	
<i>For Elevated Installation &gt;35' To 40', Add</i>	8.26	
<i>For Elevated Installation &gt;40', Add</i>	9.08	
26 05 33 13-0437 EA 1" To 1-1/4" Conduit, 24" Bonding Jumper .....	66.12	8.25
<i>For Work In Restricted Working Space, Add</i>	6.19	
<i>For Elevated Installation &gt;10' To 15', Add</i>	2.06	
<i>For Elevated Installation &gt;15' To 20', Add</i>	4.13	
<i>For Elevated Installation &gt;20' To 25', Add</i>	5.16	
<i>For Elevated Installation &gt;25' To 30', Add</i>	7.22	
<i>For Elevated Installation &gt;30' To 35', Add</i>	8.25	
<i>For Elevated Installation &gt;35' To 40', Add</i>	10.32	
<i>For Elevated Installation &gt;40', Add</i>	11.35	

**26 Electrical**

**26 05 Common Work Results for Electrical**

**26 05 33 Raceway and Boxes for Electrical Systems**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0438	EA	1-1/2" To 2" Conduit, 24" Bonding Jumper	79.20	9.90
			<i>For Work In Restricted Working Space, Add</i>	7.43	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	2.48	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	4.95	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	6.19	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	8.66	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	9.90	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	12.38	
			<i>For Elevated Installation &gt;40', Add</i>	13.61	
26 05 33	13-0439	EA	2-1/2" To 3" Conduit, 24" Bonding Jumper	110.88	13.20
			<i>For Work In Restricted Working Space, Add</i>	9.90	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	3.30	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	6.60	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	8.25	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	11.55	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	13.20	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	16.50	
			<i>For Elevated Installation &gt;40', Add</i>	18.15	
26 05 33	13-0440	EA	3-1/2" To 4" Conduit, 24" Bonding Jumper	166.34	19.80
			<i>For Work In Restricted Working Space, Add</i>	14.85	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	4.95	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	9.90	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	12.38	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	17.33	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	19.80	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	24.76	
			<i>For Elevated Installation &gt;40', Add</i>	27.23	
26 05 33	13-0441	EA	5" To 6" Conduit, 24" Bonding Jumper	303.94	26.40
			<i>For Work In Restricted Working Space, Add</i>	19.80	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	6.60	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	13.20	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	16.50	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	23.10	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	26.40	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	33.00	
			<i>For Elevated Installation &gt;40', Add</i>	36.30	
<b>26 05 33</b>	<b>13-0442</b>		<b>Rigid Galvanized Steel (RGS) Sealing Fittings, Vertical/Horizontal</b> <small>(26 05 33 13-0060)</small>		
26 05 33	13-0443	EA	1/2" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal	95.66	20.63
			<i>For Work In Restricted Working Space, Add</i>	12.38	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	4.13	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	8.25	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	10.31	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	14.44	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	16.50	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	20.63	
			<i>For Elevated Installation &gt;40', Add</i>	22.69	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.38	
26 05 33	13-0444	EA	3/4" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal	113.40	24.75
			<i>For Work In Restricted Working Space, Add</i>	14.85	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	4.95	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	9.90	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	12.38	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	17.33	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	19.80	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	24.75	
			<i>For Elevated Installation &gt;40', Add</i>	27.23	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.85	
26 05 33	13-0445	EA	1" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal	139.89	28.88
			<i>For Work In Restricted Working Space, Add</i>	17.33	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	5.78	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	11.55	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	14.44	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	20.22	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	23.10	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	28.88	
			<i>For Elevated Installation &gt;40', Add</i>	31.77	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.33	
26 05 33	13-0446	EA	1-1/4" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal	165.74	33.00
			<i>For Work In Restricted Working Space, Add</i>	19.80	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	6.60	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	13.20	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	16.50	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	23.10	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	26.40	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	33.00	
			<i>For Elevated Installation &gt;40', Add</i>	36.30	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.80	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0447 EA 1-1/2" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal .....	224.41	37.13
For Work In Restricted Working Space, Add	22.28	
For Elevated Installation >10' To 15', Add	7.43	
For Elevated Installation >15' To 20', Add	14.85	
For Elevated Installation >20' To 25', Add	18.56	
For Elevated Installation >25' To 30', Add	25.99	
For Elevated Installation >30' To 35', Add	29.70	
For Elevated Installation >35' To 40', Add	37.13	
For Elevated Installation >40', Add	40.84	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	22.28	
26 05 33 13-0448 EA 2" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal .....	277.05	41.25
For Work In Restricted Working Space, Add	24.75	
For Elevated Installation >10' To 15', Add	8.25	
For Elevated Installation >15' To 20', Add	16.50	
For Elevated Installation >20' To 25', Add	20.63	
For Elevated Installation >25' To 30', Add	28.88	
For Elevated Installation >30' To 35', Add	33.00	
For Elevated Installation >35' To 40', Add	41.25	
For Elevated Installation >40', Add	45.38	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.75	
26 05 33 13-0449 EA 2-1/2" Rigid Galvanized Steel (RGS) Conduit Sealing Fitting, Vertical/Horizontal .....	401.28	49.50
For Work In Restricted Working Space, Add	29.70	
For Elevated Installation >10' To 15', Add	9.90	
For Elevated Installation >15' To 20', Add	19.80	
For Elevated Installation >20' To 25', Add	24.75	
For Elevated Installation >25' To 30', Add	34.65	
For Elevated Installation >30' To 35', Add	39.60	
For Elevated Installation >35' To 40', Add	49.51	
For Elevated Installation >40', Add	54.46	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	29.70	
26 05 33 13-0450 EA 3" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal .....	484.73	57.76
For Work In Restricted Working Space, Add	34.65	
For Elevated Installation >10' To 15', Add	11.55	
For Elevated Installation >15' To 20', Add	23.10	
For Elevated Installation >20' To 25', Add	28.88	
For Elevated Installation >25' To 30', Add	40.43	
For Elevated Installation >30' To 35', Add	46.20	
For Elevated Installation >35' To 40', Add	57.75	
For Elevated Installation >40', Add	63.53	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	34.65	
26 05 33 13-0451 EA 3-1/2" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal .....	1,196.91	66.00
For Work In Restricted Working Space, Add	39.60	
For Elevated Installation >10' To 15', Add	13.20	
For Elevated Installation >15' To 20', Add	26.40	
For Elevated Installation >20' To 25', Add	33.00	
For Elevated Installation >25' To 30', Add	46.20	
For Elevated Installation >30' To 35', Add	52.80	
For Elevated Installation >35' To 40', Add	66.01	
For Elevated Installation >40', Add	72.61	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	39.60	
26 05 33 13-0452 EA 4" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal .....	1,380.97	74.25
For Work In Restricted Working Space, Add	44.55	
For Elevated Installation >10' To 15', Add	14.85	
For Elevated Installation >15' To 20', Add	29.70	
For Elevated Installation >20' To 25', Add	37.13	
For Elevated Installation >25' To 30', Add	51.98	
For Elevated Installation >30' To 35', Add	59.40	
For Elevated Installation >35' To 40', Add	74.26	
For Elevated Installation >40', Add	81.68	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	44.55	
<b>26 05 33 13-0453 Rigid Galvanized Steel (RGS) Threaded Couplings (26 05 33 13-0060)</b>		
26 05 33 13-0454 EA 1/2" Rigid Galvanized Steel (RGS) Threaded Coupling.....	11.29	4.95
For Work In Restricted Working Space, Add	2.97	
For Elevated Installation >10' To 15', Add	0.99	
For Elevated Installation >15' To 20', Add	1.98	
For Elevated Installation >20' To 25', Add	2.48	
For Elevated Installation >25' To 30', Add	3.47	
For Elevated Installation >30' To 35', Add	3.96	
For Elevated Installation >35' To 40', Add	4.95	
For Elevated Installation >40', Add	5.45	
26 05 33 13-0455 EA 3/4" Rigid Galvanized Steel (RGS) Threaded Coupling.....	15.76	7.01
For Work In Restricted Working Space, Add	4.21	
For Elevated Installation >10' To 15', Add	1.40	
For Elevated Installation >15' To 20', Add	2.81	
For Elevated Installation >20' To 25', Add	3.51	
For Elevated Installation >25' To 30', Add	4.91	
For Elevated Installation >30' To 35', Add	5.61	
For Elevated Installation >35' To 40', Add	7.02	
For Elevated Installation >40', Add	7.72	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0456 EA 1" Rigid Galvanized Steel (RGS) Threaded Coupling.....	20.80	9.07
For Work In Restricted Working Space, Add	5.45	
For Elevated Installation >10' To 15', Add	1.82	
For Elevated Installation >15' To 20', Add	3.63	
For Elevated Installation >20' To 25', Add	4.54	
For Elevated Installation >25' To 30', Add	6.35	
For Elevated Installation >30' To 35', Add	7.26	
For Elevated Installation >35' To 40', Add	9.08	
For Elevated Installation >40', Add	9.98	
26 05 33 13-0457 EA 1-1/4" Rigid Galvanized Steel (RGS) Threaded Coupling.....	23.97	10.32
For Work In Restricted Working Space, Add	6.19	
For Elevated Installation >10' To 15', Add	2.06	
For Elevated Installation >15' To 20', Add	4.13	
For Elevated Installation >20' To 25', Add	5.16	
For Elevated Installation >25' To 30', Add	7.22	
For Elevated Installation >30' To 35', Add	8.25	
For Elevated Installation >35' To 40', Add	10.32	
For Elevated Installation >40', Add	11.35	
26 05 33 13-0458 EA 1-1/2" Rigid Galvanized Steel (RGS) Threaded Coupling.....	28.93	12.37
For Work In Restricted Working Space, Add	7.43	
For Elevated Installation >10' To 15', Add	2.48	
For Elevated Installation >15' To 20', Add	4.95	
For Elevated Installation >20' To 25', Add	6.19	
For Elevated Installation >25' To 30', Add	8.66	
For Elevated Installation >30' To 35', Add	9.90	
For Elevated Installation >35' To 40', Add	12.38	
For Elevated Installation >40', Add	13.61	
26 05 33 13-0459 EA 2" Rigid Galvanized Steel (RGS) Threaded Coupling.....	34.29	14.03
For Work In Restricted Working Space, Add	8.42	
For Elevated Installation >10' To 15', Add	2.81	
For Elevated Installation >15' To 20', Add	5.61	
For Elevated Installation >20' To 25', Add	7.02	
For Elevated Installation >25' To 30', Add	9.82	
For Elevated Installation >30' To 35', Add	11.22	
For Elevated Installation >35' To 40', Add	14.03	
For Elevated Installation >40', Add	15.43	
26 05 33 13-0460 EA 2-1/2" Rigid Galvanized Steel (RGS) Threaded Coupling.....	45.34	15.67
For Work In Restricted Working Space, Add	9.41	
For Elevated Installation >10' To 15', Add	3.14	
For Elevated Installation >15' To 20', Add	6.27	
For Elevated Installation >20' To 25', Add	7.84	
For Elevated Installation >25' To 30', Add	10.97	
For Elevated Installation >30' To 35', Add	12.54	
For Elevated Installation >35' To 40', Add	15.68	
For Elevated Installation >40', Add	17.24	
26 05 33 13-0461 EA 3" Rigid Galvanized Steel (RGS) Threaded Coupling.....	53.67	17.74
For Work In Restricted Working Space, Add	10.64	
For Elevated Installation >10' To 15', Add	3.55	
For Elevated Installation >15' To 20', Add	7.10	
For Elevated Installation >20' To 25', Add	8.87	
For Elevated Installation >25' To 30', Add	12.42	
For Elevated Installation >30' To 35', Add	14.19	
For Elevated Installation >35' To 40', Add	17.74	
For Elevated Installation >40', Add	19.51	
26 05 33 13-0462 EA 3-1/2" Rigid Galvanized Steel (RGS) Threaded Coupling.....	63.35	19.39
For Work In Restricted Working Space, Add	11.63	
For Elevated Installation >10' To 15', Add	3.88	
For Elevated Installation >15' To 20', Add	7.75	
For Elevated Installation >20' To 25', Add	9.69	
For Elevated Installation >25' To 30', Add	13.57	
For Elevated Installation >30' To 35', Add	15.51	
For Elevated Installation >35' To 40', Add	19.39	
For Elevated Installation >40', Add	21.32	
26 05 33 13-0463 EA 4" Threaded Rigid Galvanized Steel (RGS) Coupling.....	66.85	20.63
For Work In Restricted Working Space, Add	12.38	
For Elevated Installation >10' To 15', Add	4.13	
For Elevated Installation >15' To 20', Add	8.25	
For Elevated Installation >20' To 25', Add	10.31	
For Elevated Installation >25' To 30', Add	14.44	
For Elevated Installation >30' To 35', Add	16.50	
For Elevated Installation >35' To 40', Add	20.63	
For Elevated Installation >40', Add	22.69	
<b>26 05 33 13-0464 Rigid Galvanized Steel (RGS) Sealing Locknut</b> <small>(26 05 33 13-0060)</small>		
26 05 33 13-0465 EA 1/2" Rigid Galvanized Steel (RGS) Sealing Locknut.....	2.87	0.82
26 05 33 13-0466 EA 3/4" Rigid Galvanized Steel (RGS) Sealing Locknut.....	3.89	1.23
26 05 33 13-0467 EA 1" Rigid Galvanized Steel (RGS) Sealing Locknut.....	6.45	2.07
26 05 33 13-0468 EA 1-1/4" Rigid Galvanized Steel (RGS) Sealing Locknut.....	9.42	2.89
26 05 33 13-0469 EA 1-1/2" Rigid Galvanized Steel (RGS) Sealing Locknut.....	11.40	3.30
26 05 33 13-0470 EA 2" Rigid Galvanized Steel (RGS) Sealing Locknut.....	13.55	3.71
<b>26 05 33 13-0471 Rigid Galvanized Steel (RGS) Fire Stop Fittings</b> <small>(26 05 33 13-0060)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0472 EA 1/2" Rigid Galvanized Steel (RGS) Fire Stop Fitting.....	241.81	10.01
For Work In Restricted Working Space, Add	7.51	
For Elevated Installation >10' To 15', Add	2.50	
For Elevated Installation >15' To 20', Add	5.01	
For Elevated Installation >20' To 25', Add	6.26	
For Elevated Installation >25' To 30', Add	8.76	
For Elevated Installation >30' To 35', Add	10.01	
For Elevated Installation >35' To 40', Add	12.52	
For Elevated Installation >40', Add	13.77	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.51	
26 05 33 13-0473 EA 3/4" Rigid Galvanized Steel (RGS) Fire Stop Fitting.....	244.22	10.98
For Work In Restricted Working Space, Add	8.23	
For Elevated Installation >10' To 15', Add	2.74	
For Elevated Installation >15' To 20', Add	5.49	
For Elevated Installation >20' To 25', Add	6.86	
For Elevated Installation >25' To 30', Add	9.60	
For Elevated Installation >30' To 35', Add	10.98	
For Elevated Installation >35' To 40', Add	13.72	
For Elevated Installation >40', Add	15.09	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.23	
26 05 33 13-0474 EA 1" Rigid Galvanized Steel (RGS) Fire Stop Fitting.....	295.38	12.04
For Work In Restricted Working Space, Add	9.02	
For Elevated Installation >10' To 15', Add	3.01	
For Elevated Installation >15' To 20', Add	6.01	
For Elevated Installation >20' To 25', Add	7.52	
For Elevated Installation >25' To 30', Add	10.52	
For Elevated Installation >30' To 35', Add	12.02	
For Elevated Installation >35' To 40', Add	15.03	
For Elevated Installation >40', Add	16.53	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.02	
26 05 33 13-0475 EA 1-1/4" Rigid Galvanized Steel (RGS) Fire Stop Fitting.....	324.23	13.20
For Work In Restricted Working Space, Add	9.91	
For Elevated Installation >10' To 15', Add	3.30	
For Elevated Installation >15' To 20', Add	6.61	
For Elevated Installation >20' To 25', Add	8.26	
For Elevated Installation >25' To 30', Add	11.56	
For Elevated Installation >30' To 35', Add	13.21	
For Elevated Installation >35' To 40', Add	16.52	
For Elevated Installation >40', Add	18.17	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.91	
26 05 33 13-0476 EA 1-1/2" Rigid Galvanized Steel (RGS) Fire Stop Fitting.....	370.39	14.85
For Work In Restricted Working Space, Add	11.14	
For Elevated Installation >10' To 15', Add	3.71	
For Elevated Installation >15' To 20', Add	7.43	
For Elevated Installation >20' To 25', Add	9.28	
For Elevated Installation >25' To 30', Add	13.00	
For Elevated Installation >30' To 35', Add	14.85	
For Elevated Installation >35' To 40', Add	18.57	
For Elevated Installation >40', Add	20.42	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.14	
26 05 33 13-0477 EA 2" Rigid Galvanized Steel (RGS) Fire Stop Fitting.....	558.96	16.50
For Work In Restricted Working Space, Add	12.38	
For Elevated Installation >10' To 15', Add	4.13	
For Elevated Installation >15' To 20', Add	8.25	
For Elevated Installation >20' To 25', Add	10.32	
For Elevated Installation >25' To 30', Add	14.44	
For Elevated Installation >30' To 35', Add	16.51	
For Elevated Installation >35' To 40', Add	20.64	
For Elevated Installation >40', Add	22.70	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.38	
26 05 33 13-0478 EA 2-1/2" Rigid Galvanized Steel (RGS) Fire Stop Fitting.....	637.44	22.03
For Work In Restricted Working Space, Add	16.51	
For Elevated Installation >10' To 15', Add	5.50	
For Elevated Installation >15' To 20', Add	11.01	
For Elevated Installation >20' To 25', Add	13.76	
For Elevated Installation >25' To 30', Add	19.26	
For Elevated Installation >30' To 35', Add	22.02	
For Elevated Installation >35' To 40', Add	27.52	
For Elevated Installation >40', Add	30.27	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.51	
26 05 33 13-0479 EA 3" Rigid Galvanized Steel (RGS) Fire Stop Fitting.....	707.59	24.17
For Work In Restricted Working Space, Add	18.14	
For Elevated Installation >10' To 15', Add	6.05	
For Elevated Installation >15' To 20', Add	12.10	
For Elevated Installation >20' To 25', Add	15.12	
For Elevated Installation >25' To 30', Add	21.17	
For Elevated Installation >30' To 35', Add	24.19	
For Elevated Installation >35' To 40', Add	30.24	
For Elevated Installation >40', Add	33.26	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.14	

**26 Electrical**

**26 05 Common Work Results for Electrical**

**26 05 33 Raceway and Boxes for Electrical Systems**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0480	EA		3-1/2" Rigid Galvanized Steel (RGS) Fire Stop Fitting.....	826.37	26.40
			<i>For Work In Restricted Working Space, Add</i>	19.80	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	6.60	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	13.20	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	16.50	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	23.10	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	26.40	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	33.01	
			<i>For Elevated Installation &gt;40', Add</i>	36.31	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.80	
26 05 33 13-0481	EA		4" Rigid Galvanized Steel (RGS) Fire Stop Fitting.....	931.67	29.70
			<i>For Work In Restricted Working Space, Add</i>	22.28	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	7.43	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	14.85	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	18.56	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	25.99	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	29.70	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	37.13	
			<i>For Elevated Installation &gt;40', Add</i>	40.84	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.28	
26 05 33 13-0482	EA		5" Rigid Galvanized Steel (RGS) Fire Stop Fitting.....	1,263.48	33.00
			<i>For Work In Restricted Working Space, Add</i>	24.75	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	8.25	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	16.50	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	20.63	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	28.88	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	33.00	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	41.25	
			<i>For Elevated Installation &gt;40', Add</i>	45.38	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.75	
26 05 33 13-0483	EA		6" Rigid Galvanized Steel (RGS) Fire Stop Fitting.....	1,579.94	36.63
			<i>For Work In Restricted Working Space, Add</i>	27.47	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	9.16	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	18.32	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	22.90	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	32.05	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	36.63	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	45.79	
			<i>For Elevated Installation &gt;40', Add</i>	50.37	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.47	
<b>26 05 33 13-0484</b>			<b>Rigid Galvanized Steel (RGS) Reducing Bushings (26 05 33 13-0060)</b>		
26 05 33 13-0485	EA		3/4" x 1/2" Rigid Galvanized Steel (RGS) Reducing Bushing.....	13.73	6.39
			<i>For Work In Restricted Working Space, Add</i>	3.83	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.28	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	2.56	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	3.20	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	4.47	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	5.11	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	6.39	
			<i>For Elevated Installation &gt;40', Add</i>	7.03	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.83	
26 05 33 13-0486	EA		1" x 1/2" Rigid Galvanized Steel (RGS) Reducing Bushing.....	15.36	6.80
			<i>For Work In Restricted Working Space, Add</i>	4.09	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.36	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	2.72	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	3.41	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	4.77	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	5.45	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	6.81	
			<i>For Elevated Installation &gt;40', Add</i>	7.49	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.09	
26 05 33 13-0487	EA		1" x 3/4" Rigid Galvanized Steel (RGS) Reducing Bushing.....	15.77	7.01
			<i>For Work In Restricted Working Space, Add</i>	4.21	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.40	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	2.81	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	3.51	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	4.91	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	5.61	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	7.02	
			<i>For Elevated Installation &gt;40', Add</i>	7.72	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.21	
26 05 33 13-0488	EA		1-1/4" x 1/2" Rigid Galvanized Steel (RGS) Reducing Bushing.....	18.95	7.21
			<i>For Work In Restricted Working Space, Add</i>	4.33	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.44	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	2.89	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	3.61	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	5.05	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	5.78	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	7.22	
			<i>For Elevated Installation &gt;40', Add</i>	7.94	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.33	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0489 EA 1-1/4" x 3/4" Rigid Galvanized Steel (RGS) Reducing Bushing.....	19.36	7.43
For Work In Restricted Working Space, Add	4.46	
For Elevated Installation >10' To 15', Add	1.49	
For Elevated Installation >15' To 20', Add	2.97	
For Elevated Installation >20' To 25', Add	3.71	
For Elevated Installation >25' To 30', Add	5.20	
For Elevated Installation >30' To 35', Add	5.94	
For Elevated Installation >35' To 40', Add	7.43	
For Elevated Installation >40', Add	8.17	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.46	
26 05 33 13-0490 EA 1-1/4" x 1" Rigid Galvanized Steel (RGS) Reducing Bushing.....	20.18	7.84
For Work In Restricted Working Space, Add	4.70	
For Elevated Installation >10' To 15', Add	1.57	
For Elevated Installation >15' To 20', Add	3.13	
For Elevated Installation >20' To 25', Add	3.92	
For Elevated Installation >25' To 30', Add	5.48	
For Elevated Installation >30' To 35', Add	6.27	
For Elevated Installation >35' To 40', Add	7.84	
For Elevated Installation >40', Add	8.62	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.70	
26 05 33 13-0491 EA 1-1/2" x 1/2" Rigid Galvanized Steel (RGS) Reducing Bushing.....	21.96	8.25
For Work In Restricted Working Space, Add	4.95	
For Elevated Installation >10' To 15', Add	1.65	
For Elevated Installation >15' To 20', Add	3.30	
For Elevated Installation >20' To 25', Add	4.13	
For Elevated Installation >25' To 30', Add	5.78	
For Elevated Installation >30' To 35', Add	6.60	
For Elevated Installation >35' To 40', Add	8.25	
For Elevated Installation >40', Add	9.08	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.95	
26 05 33 13-0492 EA 1-1/2" x 3/4" Rigid Galvanized Steel (RGS) Reducing Bushing.....	22.38	8.46
For Work In Restricted Working Space, Add	5.08	
For Elevated Installation >10' To 15', Add	1.69	
For Elevated Installation >15' To 20', Add	3.38	
For Elevated Installation >20' To 25', Add	4.23	
For Elevated Installation >25' To 30', Add	5.92	
For Elevated Installation >30' To 35', Add	6.77	
For Elevated Installation >35' To 40', Add	8.46	
For Elevated Installation >40', Add	9.31	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.08	
26 05 33 13-0493 EA 1-1/2" x 1" Rigid Galvanized Steel (RGS) Reducing Bushing.....	23.20	8.87
For Work In Restricted Working Space, Add	5.32	
For Elevated Installation >10' To 15', Add	1.77	
For Elevated Installation >15' To 20', Add	3.55	
For Elevated Installation >20' To 25', Add	4.44	
For Elevated Installation >25' To 30', Add	6.21	
For Elevated Installation >30' To 35', Add	7.10	
For Elevated Installation >35' To 40', Add	8.87	
For Elevated Installation >40', Add	9.76	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.32	
26 05 33 13-0494 EA 1-1/2" x 1-1/4" Rigid Galvanized Steel (RGS) Reducing Bushing.....	24.02	9.28
For Work In Restricted Working Space, Add	5.57	
For Elevated Installation >10' To 15', Add	1.86	
For Elevated Installation >15' To 20', Add	3.71	
For Elevated Installation >20' To 25', Add	4.64	
For Elevated Installation >25' To 30', Add	6.50	
For Elevated Installation >30' To 35', Add	7.42	
For Elevated Installation >35' To 40', Add	9.28	
For Elevated Installation >40', Add	10.21	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.57	
26 05 33 13-0495 EA 2" x 1/2" Rigid Galvanized Steel (RGS) Reducing Bushing.....	30.55	9.28
For Work In Restricted Working Space, Add	5.57	
For Elevated Installation >10' To 15', Add	1.86	
For Elevated Installation >15' To 20', Add	3.71	
For Elevated Installation >20' To 25', Add	4.64	
For Elevated Installation >25' To 30', Add	6.50	
For Elevated Installation >30' To 35', Add	7.42	
For Elevated Installation >35' To 40', Add	9.28	
For Elevated Installation >40', Add	10.21	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.57	
26 05 33 13-0496 EA 2" x 3/4" Rigid Galvanized Steel (RGS) Reducing Bushing.....	30.96	9.49
For Work In Restricted Working Space, Add	5.69	
For Elevated Installation >10' To 15', Add	1.90	
For Elevated Installation >15' To 20', Add	3.79	
For Elevated Installation >20' To 25', Add	4.74	
For Elevated Installation >25' To 30', Add	6.64	
For Elevated Installation >30' To 35', Add	7.59	
For Elevated Installation >35' To 40', Add	9.49	
For Elevated Installation >40', Add	10.43	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.69	

**26 Electrical**

**26 05 Common Work Results for Electrical**

**26 05 33 Raceway and Boxes for Electrical Systems**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0497	EA		2" x 1" Rigid Galvanized Steel (RGS) Reducing Bushing .....	31.79	9.90
			<i>For Work In Restricted Working Space, Add</i>	5.94	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.98	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	3.96	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	4.95	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	6.93	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	7.92	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	9.90	
			<i>For Elevated Installation &gt;40', Add</i>	10.89	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.94	
26 05 33 13-0498	EA		2" x 1-1/4" Rigid Galvanized Steel (RGS) Reducing Bushing .....	32.62	10.32
			<i>For Work In Restricted Working Space, Add</i>	6.19	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	2.06	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	4.13	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	5.16	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	7.22	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	8.25	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	10.32	
			<i>For Elevated Installation &gt;40', Add</i>	11.35	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.19	
26 05 33 13-0499	EA		2" x 1-1/2" Rigid Galvanized Steel (RGS) Reducing Bushing .....	34.68	11.35
			<i>For Work In Restricted Working Space, Add</i>	6.81	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	2.27	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	4.54	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	5.67	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	7.94	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	9.08	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	11.35	
			<i>For Elevated Installation &gt;40', Add</i>	12.48	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.81	
26 05 33 13-0500	EA		2-1/2" x 2" Rigid Galvanized Steel (RGS) Reducing Bushing .....	44.58	13.41
			<i>For Work In Restricted Working Space, Add</i>	8.04	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	2.68	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	5.36	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	6.70	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	9.38	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	10.72	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	13.41	
			<i>For Elevated Installation &gt;40', Add</i>	14.75	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.04	
<b>26 05 33 13-0501</b>			<b>Rigid Galvanized Steel (RGS) Locknuts <small>(26 05 33 13-0060)</small></b>		
26 05 33 13-0502	EA		1/2" Rigid Galvanized Steel (RGS) Locknuts .....	1.74	0.82
			<i>For Work In Restricted Working Space, Add</i>	0.50	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	0.17	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	0.33	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	0.41	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	0.58	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	0.66	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	0.83	
			<i>For Elevated Installation &gt;40', Add</i>	0.91	
26 05 33 13-0503	EA		3/4" Rigid Galvanized Steel (RGS) Locknuts .....	2.60	1.23
			<i>For Work In Restricted Working Space, Add</i>	0.74	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	0.25	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	0.50	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	0.62	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	0.87	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	0.99	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	1.24	
			<i>For Elevated Installation &gt;40', Add</i>	1.36	
26 05 33 13-0504	EA		1" Rigid Galvanized Steel (RGS) Locknuts .....	4.32	2.07
			<i>For Work In Restricted Working Space, Add</i>	1.24	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	0.41	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	0.82	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	1.03	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	1.44	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	1.65	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	2.06	
			<i>For Elevated Installation &gt;40', Add</i>	2.27	
26 05 33 13-0505	EA		1-1/4" Rigid Galvanized Steel (RGS) Locknuts .....	6.11	2.89
			<i>For Work In Restricted Working Space, Add</i>	1.73	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	0.58	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	1.16	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	1.45	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	2.02	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	2.31	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	2.89	
			<i>For Elevated Installation &gt;40', Add</i>	3.18	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0506 EA 1-1/2" Rigid Galvanized Steel (RGS) Locknuts.....	7.03	3.30
For Work In Restricted Working Space, Add	1.98	
For Elevated Installation >10' To 15', Add	0.66	
For Elevated Installation >15' To 20', Add	1.32	
For Elevated Installation >20' To 25', Add	1.65	
For Elevated Installation >25' To 30', Add	2.31	
For Elevated Installation >30' To 35', Add	2.64	
For Elevated Installation >35' To 40', Add	3.30	
For Elevated Installation >40', Add	3.63	
26 05 33 13-0507 EA 2" Rigid Galvanized Steel (RGS) Locknuts.....	7.96	3.71
For Work In Restricted Working Space, Add	2.23	
For Elevated Installation >10' To 15', Add	0.74	
For Elevated Installation >15' To 20', Add	1.49	
For Elevated Installation >20' To 25', Add	1.86	
For Elevated Installation >25' To 30', Add	2.60	
For Elevated Installation >30' To 35', Add	2.97	
For Elevated Installation >35' To 40', Add	3.72	
For Elevated Installation >40', Add	4.09	
26 05 33 13-0508 EA 2-1/2" Rigid Galvanized Steel (RGS) Locknuts.....	11.32	4.95
For Work In Restricted Working Space, Add	2.97	
For Elevated Installation >10' To 15', Add	0.99	
For Elevated Installation >15' To 20', Add	1.98	
For Elevated Installation >20' To 25', Add	2.48	
For Elevated Installation >25' To 30', Add	3.47	
For Elevated Installation >30' To 35', Add	3.96	
For Elevated Installation >35' To 40', Add	4.95	
For Elevated Installation >40', Add	5.45	
26 05 33 13-0509 EA 3" Rigid Galvanized Steel (RGS) Locknuts.....	13.94	6.19
For Work In Restricted Working Space, Add	3.71	
For Elevated Installation >10' To 15', Add	1.24	
For Elevated Installation >15' To 20', Add	2.47	
For Elevated Installation >20' To 25', Add	3.09	
For Elevated Installation >25' To 30', Add	4.33	
For Elevated Installation >30' To 35', Add	4.95	
For Elevated Installation >35' To 40', Add	6.19	
For Elevated Installation >40', Add	6.80	
26 05 33 13-0510 EA 3-1/2" Rigid Galvanized Steel (RGS) Locknuts.....	16.64	7.01
For Work In Restricted Working Space, Add	4.21	
For Elevated Installation >10' To 15', Add	1.40	
For Elevated Installation >15' To 20', Add	2.81	
For Elevated Installation >20' To 25', Add	3.51	
For Elevated Installation >25' To 30', Add	4.91	
For Elevated Installation >30' To 35', Add	5.61	
For Elevated Installation >35' To 40', Add	7.02	
For Elevated Installation >40', Add	7.72	
26 05 33 13-0511 EA 4" Rigid Galvanized Steel (RGS) Locknuts.....	18.67	7.84
For Work In Restricted Working Space, Add	4.70	
For Elevated Installation >10' To 15', Add	1.57	
For Elevated Installation >15' To 20', Add	3.13	
For Elevated Installation >20' To 25', Add	3.92	
For Elevated Installation >25' To 30', Add	5.48	
For Elevated Installation >30' To 35', Add	6.27	
For Elevated Installation >35' To 40', Add	7.84	
For Elevated Installation >40', Add	8.62	
<b>26 05 33 13-0512 Rigid Galvanized Steel (RGS) Grounding Locknuts</b> <small>(26 05 33 13-0060)</small>		
26 05 33 13-0513 EA 1/2" Rigid Galvanized Steel (RGS) Grounding Locknuts.....	2.95	0.82
For Work In Restricted Working Space, Add	0.50	
For Elevated Installation >10' To 15', Add	0.17	
For Elevated Installation >15' To 20', Add	0.33	
For Elevated Installation >20' To 25', Add	0.41	
For Elevated Installation >25' To 30', Add	0.58	
For Elevated Installation >30' To 35', Add	0.66	
For Elevated Installation >35' To 40', Add	0.83	
For Elevated Installation >40', Add	0.91	
26 05 33 13-0514 EA 3/4" Rigid Galvanized Steel (RGS) Grounding Locknuts.....	4.04	1.23
For Work In Restricted Working Space, Add	0.74	
For Elevated Installation >10' To 15', Add	0.25	
For Elevated Installation >15' To 20', Add	0.50	
For Elevated Installation >20' To 25', Add	0.62	
For Elevated Installation >25' To 30', Add	0.87	
For Elevated Installation >30' To 35', Add	0.99	
For Elevated Installation >35' To 40', Add	1.24	
For Elevated Installation >40', Add	1.36	
26 05 33 13-0515 EA 1" Rigid Galvanized Steel (RGS) Grounding Locknuts.....	6.35	2.07
For Work In Restricted Working Space, Add	1.24	
For Elevated Installation >10' To 15', Add	0.41	
For Elevated Installation >15' To 20', Add	0.82	
For Elevated Installation >20' To 25', Add	1.03	
For Elevated Installation >25' To 30', Add	1.44	
For Elevated Installation >30' To 35', Add	1.65	
For Elevated Installation >35' To 40', Add	2.06	
For Elevated Installation >40', Add	2.27	

**26 Electrical**

**26 05 Common Work Results for Electrical**

**26 05 33 Raceway and Boxes for Electrical Systems**



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0516 EA 1-1/4" Rigid Galvanized Steel (RGS) Grounding Locknuts .....	8.89	2.89
For Work In Restricted Working Space, Add	1.73	
For Elevated Installation >10' To 15', Add	0.58	
For Elevated Installation >15' To 20', Add	1.16	
For Elevated Installation >20' To 25', Add	1.45	
For Elevated Installation >25' To 30', Add	2.02	
For Elevated Installation >30' To 35', Add	2.31	
For Elevated Installation >35' To 40', Add	2.89	
For Elevated Installation >40', Add	3.18	
26 05 33 13-0517 EA 1-1/2" Rigid Galvanized Steel (RGS) Grounding Locknuts .....	10.00	3.30
For Work In Restricted Working Space, Add	1.98	
For Elevated Installation >10' To 15', Add	0.66	
For Elevated Installation >15' To 20', Add	1.32	
For Elevated Installation >20' To 25', Add	1.65	
For Elevated Installation >25' To 30', Add	2.31	
For Elevated Installation >30' To 35', Add	2.64	
For Elevated Installation >35' To 40', Add	3.30	
For Elevated Installation >40', Add	3.63	
26 05 33 13-0518 EA 2" Rigid Galvanized Steel (RGS) Grounding Locknuts .....	11.86	3.71
For Work In Restricted Working Space, Add	2.23	
For Elevated Installation >10' To 15', Add	0.74	
For Elevated Installation >15' To 20', Add	1.49	
For Elevated Installation >20' To 25', Add	1.86	
For Elevated Installation >25' To 30', Add	2.60	
For Elevated Installation >30' To 35', Add	2.97	
For Elevated Installation >35' To 40', Add	3.72	
For Elevated Installation >40', Add	4.09	
26 05 33 13-0519 EA 2-1/2" Rigid Galvanized Steel (RGS) Grounding Locknuts .....	18.14	4.95
For Work In Restricted Working Space, Add	2.97	
For Elevated Installation >10' To 15', Add	0.99	
For Elevated Installation >15' To 20', Add	1.98	
For Elevated Installation >20' To 25', Add	2.48	
For Elevated Installation >25' To 30', Add	3.47	
For Elevated Installation >30' To 35', Add	3.96	
For Elevated Installation >35' To 40', Add	4.95	
For Elevated Installation >40', Add	5.45	
26 05 33 13-0520 EA 3" Rigid Galvanized Steel (RGS) Grounding Locknuts .....	22.83	6.19
For Work In Restricted Working Space, Add	3.71	
For Elevated Installation >10' To 15', Add	1.24	
For Elevated Installation >15' To 20', Add	2.47	
For Elevated Installation >20' To 25', Add	3.09	
For Elevated Installation >25' To 30', Add	4.33	
For Elevated Installation >30' To 35', Add	4.95	
For Elevated Installation >35' To 40', Add	6.19	
For Elevated Installation >40', Add	6.80	
26 05 33 13-0521 EA 3-1/2" Rigid Galvanized Steel (RGS) Grounding Locknuts .....	31.02	7.01
For Work In Restricted Working Space, Add	4.21	
For Elevated Installation >10' To 15', Add	1.40	
For Elevated Installation >15' To 20', Add	2.81	
For Elevated Installation >20' To 25', Add	3.51	
For Elevated Installation >25' To 30', Add	4.91	
For Elevated Installation >30' To 35', Add	5.61	
For Elevated Installation >35' To 40', Add	7.02	
For Elevated Installation >40', Add	7.72	
26 05 33 13-0522 EA 4" Rigid Galvanized Steel (RGS) Grounding Locknuts .....	37.58	7.84
For Work In Restricted Working Space, Add	4.70	
For Elevated Installation >10' To 15', Add	1.57	
For Elevated Installation >15' To 20', Add	3.13	
For Elevated Installation >20' To 25', Add	3.92	
For Elevated Installation >25' To 30', Add	5.48	
For Elevated Installation >30' To 35', Add	6.27	
For Elevated Installation >35' To 40', Add	7.84	
For Elevated Installation >40', Add	8.62	
<b>26 05 33 13-0523 Rigid Galvanized Steel (RGS) Insulated Ground Bushing</b> <small>(26 05 33 13-0060)</small>		
26 05 33 13-0524 EA 1/2" Rigid Galvanized Steel (RGS) Insulated Ground Bushing .....	8.20	2.48
For Work In Restricted Working Space, Add	1.49	
For Elevated Installation >10' To 15', Add	0.50	
For Elevated Installation >15' To 20', Add	0.99	
For Elevated Installation >20' To 25', Add	1.24	
For Elevated Installation >25' To 30', Add	1.73	
For Elevated Installation >30' To 35', Add	1.98	
For Elevated Installation >35' To 40', Add	2.48	
For Elevated Installation >40', Add	2.72	
26 05 33 13-0525 EA 3/4" Rigid Galvanized Steel (RGS) Insulated Ground Bushing .....	10.13	3.30
For Work In Restricted Working Space, Add	1.98	
For Elevated Installation >10' To 15', Add	0.66	
For Elevated Installation >15' To 20', Add	1.32	
For Elevated Installation >20' To 25', Add	1.65	
For Elevated Installation >25' To 30', Add	2.31	
For Elevated Installation >30' To 35', Add	2.64	
For Elevated Installation >35' To 40', Add	3.30	
For Elevated Installation >40', Add	3.63	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0526 EA 1" Rigid Galvanized Steel (RGS) Insulated Ground Bushing.....	13.00	4.12
For Work In Restricted Working Space, Add	2.48	
For Elevated Installation >10' To 15', Add	0.83	
For Elevated Installation >15' To 20', Add	1.65	
For Elevated Installation >20' To 25', Add	2.06	
For Elevated Installation >25' To 30', Add	2.89	
For Elevated Installation >30' To 35', Add	3.30	
For Elevated Installation >35' To 40', Add	4.13	
For Elevated Installation >40', Add	4.54	
26 05 33 13-0527 EA 1-1/4" Rigid Galvanized Steel (RGS) Insulated Ground Bushing.....	18.50	6.60
For Work In Restricted Working Space, Add	3.96	
For Elevated Installation >10' To 15', Add	1.32	
For Elevated Installation >15' To 20', Add	2.64	
For Elevated Installation >20' To 25', Add	3.30	
For Elevated Installation >25' To 30', Add	4.62	
For Elevated Installation >30' To 35', Add	5.28	
For Elevated Installation >35' To 40', Add	6.60	
For Elevated Installation >40', Add	7.26	
26 05 33 13-0528 EA 1-1/2" Rigid Galvanized Steel (RGS) Insulated Ground Bushing.....	20.85	7.43
For Work In Restricted Working Space, Add	4.46	
For Elevated Installation >10' To 15', Add	1.49	
For Elevated Installation >15' To 20', Add	2.97	
For Elevated Installation >20' To 25', Add	3.71	
For Elevated Installation >25' To 30', Add	5.20	
For Elevated Installation >30' To 35', Add	5.94	
For Elevated Installation >35' To 40', Add	7.43	
For Elevated Installation >40', Add	8.17	
26 05 33 13-0529 EA 2" Rigid Galvanized Steel (RGS) Insulated Ground Bushing.....	23.86	8.25
For Work In Restricted Working Space, Add	4.95	
For Elevated Installation >10' To 15', Add	1.65	
For Elevated Installation >15' To 20', Add	3.30	
For Elevated Installation >20' To 25', Add	4.13	
For Elevated Installation >25' To 30', Add	5.78	
For Elevated Installation >30' To 35', Add	6.60	
For Elevated Installation >35' To 40', Add	8.25	
For Elevated Installation >40', Add	9.08	
26 05 33 13-0530 EA 2-1/2" Rigid Galvanized Steel (RGS) Insulated Ground Bushing.....	34.02	9.90
For Work In Restricted Working Space, Add	5.94	
For Elevated Installation >10' To 15', Add	1.98	
For Elevated Installation >15' To 20', Add	3.96	
For Elevated Installation >20' To 25', Add	4.95	
For Elevated Installation >25' To 30', Add	6.93	
For Elevated Installation >30' To 35', Add	7.92	
For Elevated Installation >35' To 40', Add	9.90	
For Elevated Installation >40', Add	10.89	
26 05 33 13-0531 EA 3" Rigid Galvanized Steel (RGS) Insulated Ground Bushing.....	41.04	12.37
For Work In Restricted Working Space, Add	7.43	
For Elevated Installation >10' To 15', Add	2.48	
For Elevated Installation >15' To 20', Add	4.95	
For Elevated Installation >20' To 25', Add	6.19	
For Elevated Installation >25' To 30', Add	8.66	
For Elevated Installation >30' To 35', Add	9.90	
For Elevated Installation >35' To 40', Add	12.38	
For Elevated Installation >40', Add	13.61	
26 05 33 13-0532 EA 3-1/2" Rigid Galvanized Steel (RGS) Insulated Ground Bushing.....	49.83	16.50
For Work In Restricted Working Space, Add	9.90	
For Elevated Installation >10' To 15', Add	3.30	
For Elevated Installation >15' To 20', Add	6.60	
For Elevated Installation >20' To 25', Add	8.25	
For Elevated Installation >25' To 30', Add	11.55	
For Elevated Installation >30' To 35', Add	13.20	
For Elevated Installation >35' To 40', Add	16.50	
For Elevated Installation >40', Add	18.15	
26 05 33 13-0533 EA 4" Rigid Galvanized Steel (RGS) Insulated Ground Bushing.....	60.28	20.63
For Work In Restricted Working Space, Add	12.38	
For Elevated Installation >10' To 15', Add	4.13	
For Elevated Installation >15' To 20', Add	8.25	
For Elevated Installation >20' To 25', Add	10.31	
For Elevated Installation >25' To 30', Add	14.44	
For Elevated Installation >30' To 35', Add	16.50	
For Elevated Installation >35' To 40', Add	20.63	
For Elevated Installation >40', Add	22.69	
<b>26 05 33 13-0534 Rigid Galvanized Steel (RGS) Threadless Compression Connectors</b> <small>(26 05 33 13-0060)</small>		
26 05 33 13-0535 EA 1/2" Rigid Galvanized Steel (RGS) Threadless Compression Connectors.....	18.37	7.43
For Work In Restricted Working Space, Add	4.46	
For Elevated Installation >10' To 15', Add	1.49	
For Elevated Installation >15' To 20', Add	2.97	
For Elevated Installation >20' To 25', Add	3.71	
For Elevated Installation >25' To 30', Add	5.20	
For Elevated Installation >30' To 35', Add	5.94	
For Elevated Installation >35' To 40', Add	7.43	
For Elevated Installation >40', Add	8.17	

**26 Electrical**

**26 05 Common Work Results for Electrical**

**26 05 33 Raceway and Boxes for Electrical Systems**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0536	EA	3/4" Rigid Galvanized Steel (RGS) Threadless Compression Connectors .....	22.16	8.25
			<i>For Work In Restricted Working Space, Add</i>	4.95	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.65	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	3.30	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	4.13	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	5.78	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	6.60	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	8.25	
			<i>For Elevated Installation &gt;40', Add</i>	9.08	
26 05 33	13-0537	EA	1" Rigid Galvanized Steel (RGS) Threadless Compression Connectors .....	29.47	10.32
			<i>For Work In Restricted Working Space, Add</i>	6.19	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	2.06	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	4.13	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	5.16	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	7.22	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	8.25	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	10.32	
			<i>For Elevated Installation &gt;40', Add</i>	11.35	
26 05 33	13-0538	EA	1-1/4" Rigid Galvanized Steel (RGS) Threadless Compression Connectors .....	41.39	12.37
			<i>For Work In Restricted Working Space, Add</i>	7.43	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	2.48	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	4.95	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	6.19	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	8.66	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	9.90	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	12.38	
			<i>For Elevated Installation &gt;40', Add</i>	13.61	
26 05 33	13-0539	EA	1-1/2" Rigid Galvanized Steel (RGS) Threadless Compression Connectors .....	56.05	16.50
			<i>For Work In Restricted Working Space, Add</i>	9.90	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	3.30	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	6.60	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	8.25	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	11.55	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	13.20	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	16.50	
			<i>For Elevated Installation &gt;40', Add</i>	18.15	
26 05 33	13-0540	EA	2" Rigid Galvanized Steel (RGS) Threadless Compression Connectors .....	85.47	20.63
			<i>For Work In Restricted Working Space, Add</i>	12.38	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	4.13	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	8.25	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	10.31	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	14.44	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	16.50	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	20.63	
			<i>For Elevated Installation &gt;40', Add</i>	22.69	
26 05 33	13-0541	EA	2-1/2" Rigid Galvanized Steel (RGS) Threadless Compression Connectors .....	151.50	24.75
			<i>For Work In Restricted Working Space, Add</i>	14.85	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	4.95	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	9.90	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	12.38	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	17.33	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	19.80	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	24.75	
			<i>For Elevated Installation &gt;40', Add</i>	27.23	
26 05 33	13-0542	EA	3" Rigid Galvanized Steel (RGS) Threadless Compression Connectors .....	192.99	28.88
			<i>For Work In Restricted Working Space, Add</i>	17.33	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	5.78	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	11.55	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	14.44	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	20.22	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	23.10	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	28.88	
			<i>For Elevated Installation &gt;40', Add</i>	31.77	
26 05 33	13-0543	EA	3-1/2" Rigid Galvanized Steel (RGS) Threadless Compression Connectors .....	246.85	35.06
			<i>For Work In Restricted Working Space, Add</i>	21.04	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	7.01	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	14.03	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	17.53	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	24.55	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	28.05	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	35.07	
			<i>For Elevated Installation &gt;40', Add</i>	38.57	
26 05 33	13-0544	EA	4" Rigid Galvanized Steel (RGS) Threadless Compression Connectors .....	298.85	41.25
			<i>For Work In Restricted Working Space, Add</i>	24.75	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	8.25	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	16.50	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	20.63	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	28.88	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	33.00	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	41.25	
			<i>For Elevated Installation &gt;40', Add</i>	45.38	

26 05 33 13-0545 Rigid Galvanized Steel (RGS) Compression Coupling (26 05 33 13-0060)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0546 EA 1/2" Rigid Galvanized Steel (RGS) Compression Coupling .....	26.30	10.32
For Work In Restricted Working Space, Add	6.19	
For Elevated Installation >10' To 15', Add	2.06	
For Elevated Installation >15' To 20', Add	4.13	
For Elevated Installation >20' To 25', Add	5.16	
For Elevated Installation >25' To 30', Add	7.22	
For Elevated Installation >30' To 35', Add	8.25	
For Elevated Installation >35' To 40', Add	10.32	
For Elevated Installation >40', Add	11.35	
26 05 33 13-0547 EA 3/4" Rigid Galvanized Steel (RGS) Compression Coupling .....	33.85	12.37
For Work In Restricted Working Space, Add	7.43	
For Elevated Installation >10' To 15', Add	2.48	
For Elevated Installation >15' To 20', Add	4.95	
For Elevated Installation >20' To 25', Add	6.19	
For Elevated Installation >25' To 30', Add	8.66	
For Elevated Installation >30' To 35', Add	9.90	
For Elevated Installation >35' To 40', Add	12.38	
For Elevated Installation >40', Add	13.61	
26 05 33 13-0548 EA 1" Rigid Galvanized Steel (RGS) Compression Coupling .....	48.87	16.50
For Work In Restricted Working Space, Add	9.90	
For Elevated Installation >10' To 15', Add	3.30	
For Elevated Installation >15' To 20', Add	6.60	
For Elevated Installation >20' To 25', Add	8.25	
For Elevated Installation >25' To 30', Add	11.55	
For Elevated Installation >30' To 35', Add	13.20	
For Elevated Installation >35' To 40', Add	16.50	
For Elevated Installation >40', Add	18.15	
26 05 33 13-0549 EA 1-1/4" Rigid Galvanized Steel (RGS) Compression Coupling .....	64.74	20.63
For Work In Restricted Working Space, Add	12.38	
For Elevated Installation >10' To 15', Add	4.13	
For Elevated Installation >15' To 20', Add	8.25	
For Elevated Installation >20' To 25', Add	10.31	
For Elevated Installation >25' To 30', Add	14.44	
For Elevated Installation >30' To 35', Add	16.50	
For Elevated Installation >35' To 40', Add	20.63	
For Elevated Installation >40', Add	22.69	
26 05 33 13-0550 EA 1-1/2" Rigid Galvanized Steel (RGS) Compression Coupling .....	80.08	24.75
For Work In Restricted Working Space, Add	14.85	
For Elevated Installation >10' To 15', Add	4.95	
For Elevated Installation >15' To 20', Add	9.90	
For Elevated Installation >20' To 25', Add	12.38	
For Elevated Installation >25' To 30', Add	17.33	
For Elevated Installation >30' To 35', Add	19.80	
For Elevated Installation >35' To 40', Add	24.75	
For Elevated Installation >40', Add	27.23	
26 05 33 13-0551 EA 2" Rigid Galvanized Steel (RGS) Compression Coupling .....	124.63	28.88
For Work In Restricted Working Space, Add	17.33	
For Elevated Installation >10' To 15', Add	5.78	
For Elevated Installation >15' To 20', Add	11.55	
For Elevated Installation >20' To 25', Add	14.44	
For Elevated Installation >25' To 30', Add	20.22	
For Elevated Installation >30' To 35', Add	23.10	
For Elevated Installation >35' To 40', Add	28.88	
For Elevated Installation >40', Add	31.77	
26 05 33 13-0552 EA 2-1/2" Rigid Galvanized Steel (RGS) Compression Coupling .....	206.86	33.00
For Work In Restricted Working Space, Add	19.80	
For Elevated Installation >10' To 15', Add	6.60	
For Elevated Installation >15' To 20', Add	13.20	
For Elevated Installation >20' To 25', Add	16.50	
For Elevated Installation >25' To 30', Add	23.10	
For Elevated Installation >30' To 35', Add	26.40	
For Elevated Installation >35' To 40', Add	33.00	
For Elevated Installation >40', Add	36.90	
26 05 33 13-0553 EA 3" Rigid Galvanized Steel (RGS) Compression Coupling .....	243.54	28.47
For Work In Restricted Working Space, Add	17.08	
For Elevated Installation >10' To 15', Add	5.69	
For Elevated Installation >15' To 20', Add	11.38	
For Elevated Installation >20' To 25', Add	14.23	
For Elevated Installation >25' To 30', Add	19.92	
For Elevated Installation >30' To 35', Add	22.77	
For Elevated Installation >35' To 40', Add	28.46	
For Elevated Installation >40', Add	31.31	
26 05 33 13-0554 EA 3-1/2" Rigid Galvanized Steel (RGS) Compression Coupling .....	332.30	43.32
For Work In Restricted Working Space, Add	25.99	
For Elevated Installation >10' To 15', Add	8.66	
For Elevated Installation >15' To 20', Add	17.33	
For Elevated Installation >20' To 25', Add	21.66	
For Elevated Installation >25' To 30', Add	30.32	
For Elevated Installation >30' To 35', Add	34.65	
For Elevated Installation >35' To 40', Add	43.32	
For Elevated Installation >40', Add	47.65	

**26 Electrical**

**26 05 Common Work Results for Electrical**

**26 05 33 Raceway and Boxes for Electrical Systems**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0555	EA	4" Rigid Galvanized Steel (RGS) Compression Coupling .....	413.36	49.50
			<i>For Work In Restricted Working Space, Add</i>	29.70	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	9.90	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	19.80	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	24.75	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	34.65	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	39.60	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	49.51	
			<i>For Elevated Installation &gt;40', Add</i>	54.46	
26 05 33	13-0556		<b>Zinc Plated Steel Snap-in Knock Out Seal</b> <small>(26 05 33 13-0060)</small> .....	4.40	2.07
26 05 33	13-0557	EA	1/2" Zinc Plated Steel Snap-in Knock Out Seal .....	4.40	2.07
			<i>For Work In Restricted Working Space, Add</i>	1.24	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	0.41	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	0.82	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	1.03	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	1.44	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	1.65	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	2.06	
			<i>For Elevated Installation &gt;40', Add</i>	2.27	
26 05 33	13-0558	EA	3/4" Zinc Plated Steel Snap-in Knock Out Seal .....	5.31	2.48
			<i>For Work In Restricted Working Space, Add</i>	1.49	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	0.50	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	0.99	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	1.24	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	1.73	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	1.98	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	2.48	
			<i>For Elevated Installation &gt;40', Add</i>	2.72	
26 05 33	13-0559	EA	1" Zinc Plated Steel Snap-in Knock Out Seal .....	6.35	2.89
			<i>For Work In Restricted Working Space, Add</i>	1.73	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	0.58	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	1.16	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	1.45	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	2.02	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	2.31	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	2.89	
			<i>For Elevated Installation &gt;40', Add</i>	3.18	
26 05 33	13-0560	EA	1-1/4" Zinc Plated Steel Snap-in Knock Out Seal .....	8.18	3.71
			<i>For Work In Restricted Working Space, Add</i>	2.23	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	0.74	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	1.49	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	1.86	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	2.60	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	2.97	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	3.72	
			<i>For Elevated Installation &gt;40', Add</i>	4.09	
26 05 33	13-0561	EA	1-1/2" Zinc Plated Steel Snap-in Knock Out Seal .....	9.30	4.12
			<i>For Work In Restricted Working Space, Add</i>	2.48	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	0.83	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	1.65	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	2.06	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	2.89	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	3.30	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	4.13	
			<i>For Elevated Installation &gt;40', Add</i>	4.54	
26 05 33	13-0562	EA	2" Zinc Plated Steel Snap-in Knock Out Seal .....	11.37	4.95
			<i>For Work In Restricted Working Space, Add</i>	2.97	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	0.99	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	1.98	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	2.48	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	3.47	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	3.96	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	4.95	
			<i>For Elevated Installation &gt;40', Add</i>	5.45	
26 05 33	13-0563		<b>Zinc Plated Steel 3-Piece Knock Out Seal</b> <small>(26 05 33 13-0060)</small> .....	5.77	2.07
26 05 33	13-0564	EA	1/2" Zinc Plated Steel 3-Piece Knock Out Seal.....	5.77	2.07
			<i>For Work In Restricted Working Space, Add</i>	1.24	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	0.41	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	0.82	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	1.03	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	1.44	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	1.65	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	2.06	
			<i>For Elevated Installation &gt;40', Add</i>	2.27	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0565 EA 3/4" Zinc Plated Steel 3-Piece Knock Out Seal .....	6.87	2.48
For Work In Restricted Working Space, Add	1.49	
For Elevated Installation >10' To 15', Add	0.50	
For Elevated Installation >15' To 20', Add	0.99	
For Elevated Installation >20' To 25', Add	1.24	
For Elevated Installation >25' To 30', Add	1.73	
For Elevated Installation >30' To 35', Add	1.98	
For Elevated Installation >35' To 40', Add	2.48	
For Elevated Installation >40', Add	2.72	
26 05 33 13-0566 EA 1" Zinc Plated Steel 3-Piece Knock Out Seal .....	8.43	2.89
For Work In Restricted Working Space, Add	1.73	
For Elevated Installation >10' To 15', Add	0.58	
For Elevated Installation >15' To 20', Add	1.16	
For Elevated Installation >20' To 25', Add	1.45	
For Elevated Installation >25' To 30', Add	2.02	
For Elevated Installation >30' To 35', Add	2.31	
For Elevated Installation >35' To 40', Add	2.89	
For Elevated Installation >40', Add	3.18	
26 05 33 13-0567 EA 1-1/4" Zinc Plated Steel 3-Piece Knock Out Seal .....	10.84	3.71
For Work In Restricted Working Space, Add	2.23	
For Elevated Installation >10' To 15', Add	0.74	
For Elevated Installation >15' To 20', Add	1.49	
For Elevated Installation >20' To 25', Add	1.86	
For Elevated Installation >25' To 30', Add	2.60	
For Elevated Installation >30' To 35', Add	2.97	
For Elevated Installation >35' To 40', Add	3.72	
For Elevated Installation >40', Add	4.09	
26 05 33 13-0568 EA 1-1/2" Zinc Plated Steel 3-Piece Knock Out Seal .....	13.69	4.12
For Work In Restricted Working Space, Add	2.48	
For Elevated Installation >10' To 15', Add	0.83	
For Elevated Installation >15' To 20', Add	1.65	
For Elevated Installation >20' To 25', Add	2.06	
For Elevated Installation >25' To 30', Add	2.89	
For Elevated Installation >30' To 35', Add	3.30	
For Elevated Installation >35' To 40', Add	4.13	
For Elevated Installation >40', Add	4.54	
26 05 33 13-0569 EA 2" Zinc Plated Steel 3-Piece Knock Out Seal .....	16.60	4.95
For Work In Restricted Working Space, Add	2.97	
For Elevated Installation >10' To 15', Add	0.99	
For Elevated Installation >15' To 20', Add	1.98	
For Elevated Installation >20' To 25', Add	2.48	
For Elevated Installation >25' To 30', Add	3.47	
For Elevated Installation >30' To 35', Add	3.96	
For Elevated Installation >35' To 40', Add	4.95	
For Elevated Installation >40', Add	5.45	
26 05 33 13-0570 EA 2-1/2" Zinc Plated Steel 3-Piece Knock Out Seal .....	20.25	6.19
For Work In Restricted Working Space, Add	3.71	
For Elevated Installation >10' To 15', Add	1.24	
For Elevated Installation >15' To 20', Add	2.47	
For Elevated Installation >20' To 25', Add	3.09	
For Elevated Installation >25' To 30', Add	4.33	
For Elevated Installation >30' To 35', Add	4.95	
For Elevated Installation >35' To 40', Add	6.19	
For Elevated Installation >40', Add	6.80	
26 05 33 13-0571 EA 3" Zinc Plated Steel 3-Piece Knock Out Seal .....	23.87	7.01
For Work In Restricted Working Space, Add	4.21	
For Elevated Installation >10' To 15', Add	1.40	
For Elevated Installation >15' To 20', Add	2.81	
For Elevated Installation >20' To 25', Add	3.51	
For Elevated Installation >25' To 30', Add	4.91	
For Elevated Installation >30' To 35', Add	5.61	
For Elevated Installation >35' To 40', Add	7.02	
For Elevated Installation >40', Add	7.72	
26 05 33 13-0572 EA 3-1/2" Zinc Plated Steel 3-Piece Knock Out Seal .....	29.53	7.84
For Work In Restricted Working Space, Add	4.70	
For Elevated Installation >10' To 15', Add	1.57	
For Elevated Installation >15' To 20', Add	3.13	
For Elevated Installation >20' To 25', Add	3.92	
For Elevated Installation >25' To 30', Add	5.48	
For Elevated Installation >30' To 35', Add	6.27	
For Elevated Installation >35' To 40', Add	7.84	
For Elevated Installation >40', Add	8.62	
26 05 33 13-0573 EA 4" Zinc Plated Steel 3-Piece Knock Out Seal .....	35.11	8.66
For Work In Restricted Working Space, Add	5.20	
For Elevated Installation >10' To 15', Add	1.73	
For Elevated Installation >15' To 20', Add	3.47	
For Elevated Installation >20' To 25', Add	4.33	
For Elevated Installation >25' To 30', Add	6.07	
For Elevated Installation >30' To 35', Add	6.93	
For Elevated Installation >35' To 40', Add	8.67	
For Elevated Installation >40', Add	9.53	

26 05 33 13-0574 Rigid Galvanized Steel (RGS) Chase Nipples (26 05 33 13-0060)

**26 Electrical**

**26 05 Common Work Results for Electrical**

**26 05 33 Raceway and Boxes for Electrical Systems**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0575	EA	1/2" Rigid Galvanized Steel (RGS) Chase Nipple.....	10.32	4.95
			<i>For Work In Restricted Working Space, Add</i>	2.97	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	0.99	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	1.98	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	2.48	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	3.47	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	3.96	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	4.95	
			<i>For Elevated Installation &gt;40', Add</i>	5.45	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.97	
26 05 33	13-0576	EA	3/4" Rigid Galvanized Steel (RGS) Chase Nipple.....	12.26	5.78
			<i>For Work In Restricted Working Space, Add</i>	3.47	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.16	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	2.31	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	2.89	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	4.04	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	4.62	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	5.78	
			<i>For Elevated Installation &gt;40', Add</i>	6.35	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.47	
26 05 33	13-0577	EA	1" Rigid Galvanized Steel (RGS) Chase Nipple.....	15.57	7.01
			<i>For Work In Restricted Working Space, Add</i>	4.21	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.40	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	2.81	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	3.51	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	4.91	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	5.61	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	7.02	
			<i>For Elevated Installation &gt;40', Add</i>	7.72	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.21	
26 05 33	13-0578	EA	1-1/4" Rigid Galvanized Steel (RGS) Chase Nipple.....	19.17	8.25
			<i>For Work In Restricted Working Space, Add</i>	4.95	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.65	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	3.30	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	4.13	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	5.78	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	6.60	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	8.25	
			<i>For Elevated Installation &gt;40', Add</i>	9.08	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.95	
26 05 33	13-0579	EA	1-1/2" Rigid Galvanized Steel (RGS) Chase Nipple.....	24.07	10.32
			<i>For Work In Restricted Working Space, Add</i>	6.19	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	2.06	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	4.13	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	5.16	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	7.22	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	8.25	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	10.32	
			<i>For Elevated Installation &gt;40', Add</i>	11.35	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.19	
26 05 33	13-0580	EA	2" Rigid Galvanized Steel (RGS) Chase Nipple.....	30.33	12.37
			<i>For Work In Restricted Working Space, Add</i>	7.43	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	2.48	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	4.95	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	6.19	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	8.66	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	9.90	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	12.38	
			<i>For Elevated Installation &gt;40', Add</i>	13.61	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.43	
26 05 33	13-0581	EA	2-1/2" Rigid Galvanized Steel (RGS) Chase Nipple.....	39.49	14.44
			<i>For Work In Restricted Working Space, Add</i>	8.66	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	2.89	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	5.78	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	7.22	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	10.11	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	11.55	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	14.44	
			<i>For Elevated Installation &gt;40', Add</i>	15.88	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.66	
26 05 33	13-0582	EA	3" Rigid Galvanized Steel (RGS) Chase Nipple.....	43.89	16.50
			<i>For Work In Restricted Working Space, Add</i>	9.90	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	3.30	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	6.60	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	8.25	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	11.55	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	13.20	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	16.50	
			<i>For Elevated Installation &gt;40', Add</i>	18.15	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.90	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0583 EA 3-1/2" Rigid Galvanized Steel (RGS) Chase Nipple .....	56.38	18.56
For Work In Restricted Working Space, Add	11.14	
For Elevated Installation >10' To 15', Add	3.71	
For Elevated Installation >15' To 20', Add	7.43	
For Elevated Installation >20' To 25', Add	9.28	
For Elevated Installation >25' To 30', Add	13.00	
For Elevated Installation >30' To 35', Add	14.85	
For Elevated Installation >35' To 40', Add	18.57	
For Elevated Installation >40', Add	20.42	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.14	
26 05 33 13-0584 EA 4" Rigid Galvanized Steel (RGS) Chase Nipple.....	81.59	20.63
For Work In Restricted Working Space, Add	12.38	
For Elevated Installation >10' To 15', Add	4.13	
For Elevated Installation >15' To 20', Add	8.25	
For Elevated Installation >20' To 25', Add	10.31	
For Elevated Installation >25' To 30', Add	14.44	
For Elevated Installation >30' To 35', Add	16.50	
For Elevated Installation >35' To 40', Add	20.63	
For Elevated Installation >40', Add	22.69	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.38	
<b>26 05 33 13-0585 Rigid Galvanized Steel (RGS) Pulling Elbow</b> <small>(26 05 33 13-0060)</small>		
26 05 33 13-0586 EA 1/2" Rigid Galvanized Steel (RGS) Pulling Elbow.....	22.17	7.43
For Work In Restricted Working Space, Add	4.46	
For Elevated Installation >10' To 15', Add	1.49	
For Elevated Installation >15' To 20', Add	2.97	
For Elevated Installation >20' To 25', Add	3.71	
For Elevated Installation >25' To 30', Add	5.20	
For Elevated Installation >30' To 35', Add	5.94	
For Elevated Installation >35' To 40', Add	7.43	
For Elevated Installation >40', Add	8.17	
26 05 33 13-0587 EA 3/4" Rigid Galvanized Steel (RGS) Pulling Elbow.....	25.73	8.66
For Work In Restricted Working Space, Add	5.20	
For Elevated Installation >10' To 15', Add	1.73	
For Elevated Installation >15' To 20', Add	3.47	
For Elevated Installation >20' To 25', Add	4.33	
For Elevated Installation >25' To 30', Add	6.07	
For Elevated Installation >30' To 35', Add	6.93	
For Elevated Installation >35' To 40', Add	8.67	
For Elevated Installation >40', Add	9.53	
26 05 33 13-0588 EA 1" Rigid Galvanized Steel (RGS) Pulling Elbow.....	33.75	9.90
For Work In Restricted Working Space, Add	5.94	
For Elevated Installation >10' To 15', Add	1.98	
For Elevated Installation >15' To 20', Add	3.96	
For Elevated Installation >20' To 25', Add	4.95	
For Elevated Installation >25' To 30', Add	6.93	
For Elevated Installation >30' To 35', Add	7.92	
For Elevated Installation >35' To 40', Add	9.90	
For Elevated Installation >40', Add	10.89	
26 05 33 13-0589 EA 1-1/4" Rigid Galvanized Steel (RGS) Pulling Elbow .....	43.53	12.37
For Work In Restricted Working Space, Add	7.43	
For Elevated Installation >10' To 15', Add	2.48	
For Elevated Installation >15' To 20', Add	4.95	
For Elevated Installation >20' To 25', Add	6.19	
For Elevated Installation >25' To 30', Add	8.66	
For Elevated Installation >30' To 35', Add	9.90	
For Elevated Installation >35' To 40', Add	12.38	
For Elevated Installation >40', Add	13.61	
26 05 33 13-0590 EA 1-1/2" Rigid Galvanized Steel (RGS) Pulling Elbow .....	59.51	14.85
For Work In Restricted Working Space, Add	8.91	
For Elevated Installation >10' To 15', Add	2.97	
For Elevated Installation >15' To 20', Add	5.94	
For Elevated Installation >20' To 25', Add	7.43	
For Elevated Installation >25' To 30', Add	10.40	
For Elevated Installation >30' To 35', Add	11.88	
For Elevated Installation >35' To 40', Add	14.85	
For Elevated Installation >40', Add	16.34	
26 05 33 13-0591 EA 2" Rigid Galvanized Steel (RGS) Pulling Elbow.....	81.83	17.33
For Work In Restricted Working Space, Add	10.40	
For Elevated Installation >10' To 15', Add	3.47	
For Elevated Installation >15' To 20', Add	6.93	
For Elevated Installation >20' To 25', Add	8.66	
For Elevated Installation >25' To 30', Add	12.13	
For Elevated Installation >30' To 35', Add	13.86	
For Elevated Installation >35' To 40', Add	17.33	
For Elevated Installation >40', Add	19.06	
26 05 33 13-0592 EA 2-1/2" Rigid Galvanized Steel (RGS) Pulling Elbow .....	117.50	19.80
For Work In Restricted Working Space, Add	11.88	
For Elevated Installation >10' To 15', Add	3.96	
For Elevated Installation >15' To 20', Add	7.92	
For Elevated Installation >20' To 25', Add	9.90	
For Elevated Installation >25' To 30', Add	13.86	
For Elevated Installation >30' To 35', Add	15.84	
For Elevated Installation >35' To 40', Add	19.81	
For Elevated Installation >40', Add	21.79	

**26 Electrical**

**26 05 Common Work Results for Electrical**

**26 05 33 Raceway and Boxes for Electrical Systems**



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0593 EA 3" Rigid Galvanized Steel (RGS) Pulling Elbow.....	214.51	24.75
For Work In Restricted Working Space, Add	14.85	
For Elevated Installation >10' To 15', Add	4.95	
For Elevated Installation >15' To 20', Add	9.90	
For Elevated Installation >20' To 25', Add	12.38	
For Elevated Installation >25' To 30', Add	17.33	
For Elevated Installation >30' To 35', Add	19.80	
For Elevated Installation >35' To 40', Add	24.75	
For Elevated Installation >40', Add	27.23	
<b>26 05 33 13-0594 Electrical Metallic Tubing (EMT) Thinwall Conduit</b> <small>(26 05 33 13-0059)</small>		
Note: Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.		
<b>26 05 33 13-0595 Electrical Metallic Tubing (EMT) Thinwall Conduit</b> <small>(26 05 33 13-0594)</small>		
Note: Includes field bending conduit up to and including 1".		
26 05 33 13-0596 LF 1/2" Electrical Metallic Tubing (EMT) Conduit.....	4.71	1.49
For >250 To 500, Deduct	-0.05	
For >500 To 1,000, Deduct	-0.26	
For >1,000, Deduct	-0.38	
For Installation In Metal Stud Wall, Add	0.37	
For Installation In Wood Stud Wall (Includes Drilling), Add	0.93	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.56	
For Work In Restricted Working Space, Add	1.11	
For Elevated Installation >10' To 15', Add	0.37	
For Elevated Installation >15' To 20', Add	0.74	
For Elevated Installation >20' To 25', Add	0.93	
For Elevated Installation >25' To 30', Add	1.30	
For Elevated Installation >30' To 35', Add	1.48	
For Elevated Installation >35' To 40', Add	1.86	
For Elevated Installation >40', Add	2.04	
For Factory Applied Color Coating, Add	0.30	
26 05 33 13-0597 LF 3/4" Electrical Metallic Tubing (EMT) Conduit.....	5.68	1.65
For >250 To 500, Deduct	-0.08	
For >500 To 1,000, Deduct	-0.32	
For >1,000, Deduct	-0.47	
For Installation In Metal Stud Wall, Add	0.41	
For Installation In Wood Stud Wall (Includes Drilling), Add	1.03	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.62	
For Work In Restricted Working Space, Add	1.24	
For Elevated Installation >10' To 15', Add	0.41	
For Elevated Installation >15' To 20', Add	0.82	
For Elevated Installation >20' To 25', Add	1.03	
For Elevated Installation >25' To 30', Add	1.44	
For Elevated Installation >30' To 35', Add	1.65	
For Elevated Installation >35' To 40', Add	2.06	
For Elevated Installation >40', Add	2.27	
For Factory Applied Color Coating, Add	0.47	
26 05 33 13-0598 LF 1" Electrical Metallic Tubing (EMT) Conduit.....	7.14	1.82
For >250 To 500, Deduct	-0.13	
For >500 To 1,000, Deduct	-0.42	
For >1,000, Deduct	-0.60	
For Installation In Metal Stud Wall, Add	0.45	
For Installation In Wood Stud Wall (Includes Drilling), Add	1.14	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.68	
For Work In Restricted Working Space, Add	1.36	
For Elevated Installation >10' To 15', Add	0.45	
For Elevated Installation >15' To 20', Add	0.91	
For Elevated Installation >20' To 25', Add	1.14	
For Elevated Installation >25' To 30', Add	1.59	
For Elevated Installation >30' To 35', Add	1.82	
For Elevated Installation >35' To 40', Add	2.27	
For Elevated Installation >40', Add	2.50	
For Factory Applied Color Coating, Add	0.78	
26 05 33 13-0599 LF 1-1/4" Electrical Metallic Tubing (EMT) Conduit.....	9.23	2.05
For >250 To 500, Deduct	-0.21	
For >500 To 1,000, Deduct	-0.56	
For >1,000, Deduct	-0.80	
For Installation In Metal Stud Wall, Add	0.51	
For Installation In Wood Stud Wall (Includes Drilling), Add	1.28	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.77	
For Work In Restricted Working Space, Add	1.54	
For Elevated Installation >10' To 15', Add	0.51	
For Elevated Installation >15' To 20', Add	1.02	
For Elevated Installation >20' To 25', Add	1.28	
For Elevated Installation >25' To 30', Add	1.79	
For Elevated Installation >30' To 35', Add	2.05	
For Elevated Installation >35' To 40', Add	2.56	
For Elevated Installation >40', Add	2.82	
For Factory Applied Color Coating, Add	1.23	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0600    LF    1-1/2" Electrical Metallic Tubing (EMT) Conduit .....	10.89	2.31
For >250 To 500, Deduct	-0.26	
For >500 To 1,000, Deduct	-0.67	
For >1,000, Deduct	-0.94	
For Installation In Metal Stud Wall, Add	0.58	
For Installation In Wood Stud Wall (Includes Drilling), Add	1.45	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.87	
For Work In Restricted Working Space, Add	1.73	
For Elevated Installation >10' To 15', Add	0.58	
For Elevated Installation >15' To 20', Add	1.16	
For Elevated Installation >20' To 25', Add	1.45	
For Elevated Installation >25' To 30', Add	2.02	
For Elevated Installation >30' To 35', Add	2.31	
For Elevated Installation >35' To 40', Add	2.89	
For Elevated Installation >40', Add	3.18	
For Factory Applied Color Coating, Add	1.53	
26 05 33 13-0601    LF    2" Electrical Metallic Tubing (EMT) Conduit.....	12.66	2.64
For >250 To 500, Deduct	-0.30	
For >500 To 1,000, Deduct	-0.78	
For >1,000, Deduct	-1.10	
For Installation In Metal Stud Wall, Add	0.66	
For Installation In Wood Stud Wall (Includes Drilling), Add	1.65	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.99	
For Work In Restricted Working Space, Add	1.98	
For Elevated Installation >10' To 15', Add	0.66	
For Elevated Installation >15' To 20', Add	1.32	
For Elevated Installation >20' To 25', Add	1.65	
For Elevated Installation >25' To 30', Add	2.31	
For Elevated Installation >30' To 35', Add	2.64	
For Elevated Installation >35' To 40', Add	3.30	
For Elevated Installation >40', Add	3.63	
For Factory Applied Color Coating, Add	1.82	
26 05 33 13-0602    LF    2-1/2" Electrical Metallic Tubing (EMT) Conduit .....	16.82	3.13
For >250 To 500, Deduct	-0.45	
For >500 To 1,000, Deduct	-1.07	
For >1,000, Deduct	-1.49	
For Installation In Metal Stud Wall, Add	0.78	
For Installation In Wood Stud Wall (Includes Drilling), Add	1.96	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.18	
For Work In Restricted Working Space, Add	2.35	
For Elevated Installation >10' To 15', Add	0.78	
For Elevated Installation >15' To 20', Add	1.57	
For Elevated Installation >20' To 25', Add	1.96	
For Elevated Installation >25' To 30', Add	2.74	
For Elevated Installation >30' To 35', Add	3.14	
For Elevated Installation >35' To 40', Add	3.92	
For Elevated Installation >40', Add	4.31	
For Factory Applied Color Coating, Add	2.69	
26 05 33 13-0603    LF    3" Electrical Metallic Tubing (EMT) Conduit.....	20.31	3.63
For >250 To 500, Deduct	-0.56	
For >500 To 1,000, Deduct	-1.30	
For >1,000, Deduct	-1.80	
For Installation In Metal Stud Wall, Add	0.91	
For Installation In Wood Stud Wall (Includes Drilling), Add	2.27	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.36	
For Work In Restricted Working Space, Add	2.72	
For Elevated Installation >10' To 15', Add	0.91	
For Elevated Installation >15' To 20', Add	1.81	
For Elevated Installation >20' To 25', Add	2.27	
For Elevated Installation >25' To 30', Add	3.17	
For Elevated Installation >30' To 35', Add	3.63	
For Elevated Installation >35' To 40', Add	4.54	
For Elevated Installation >40', Add	4.99	
For Factory Applied Color Coating, Add	3.37	
26 05 33 13-0604    LF    3-1/2" Electrical Metallic Tubing (EMT) Conduit .....	25.75	4.29
For >250 To 500, Deduct	-0.75	
For >500 To 1,000, Deduct	-1.66	
For >1,000, Deduct	-2.31	
For Installation In Metal Stud Wall, Add	1.07	
For Installation In Wood Stud Wall (Includes Drilling), Add	2.68	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.61	
For Work In Restricted Working Space, Add	3.22	
For Elevated Installation >10' To 15', Add	1.07	
For Elevated Installation >15' To 20', Add	2.15	
For Elevated Installation >20' To 25', Add	2.68	
For Elevated Installation >25' To 30', Add	3.76	
For Elevated Installation >30' To 35', Add	4.29	
For Elevated Installation >35' To 40', Add	5.37	
For Elevated Installation >40', Add	5.90	
For Factory Applied Color Coating, Add	4.51	

**26 Electrical**  
**26 05 Common Work Results for Electrical**  
**26 05 33 Raceway and Boxes for Electrical Systems**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0605	LF	4" Electrical Metallic Tubing (EMT) Conduit.....	34.11	6.87
			<i>For &gt;250 To 500, Deduct</i>	-0.85	
			<i>For &gt;500 To 1,000, Deduct</i>	-2.13	
			<i>For &gt;1,000, Deduct</i>	-2.98	
			<i>For Installation In Metal Stud Wall, Add</i>	1.72	
			<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	4.30	
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	2.58	
			<i>For Work In Restricted Working Space, Add</i>	5.15	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.72	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	3.44	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	4.30	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	6.01	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	6.87	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	8.59	
			<i>For Elevated Installation &gt;40', Add</i>	9.45	
			<i>For Factory Applied Color Coating, Add</i>	5.08	
26 05 33	13-0606		<b>Electrical Metallic Tubing (EMT) 90 Degree Elbows</b> <small>(26 05 33 13-0594)</small>		
			See CSI section 26 05 33 13-2314 for conduit field bending.		
26 05 33	13-0607	EA	1/2" Electrical Metallic Tubing (EMT) 90 Degree Elbow.....	11.57	3.63
			<i>For Work In Restricted Working Space, Add</i>	2.72	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	0.91	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	1.81	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	2.27	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	3.17	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	3.63	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	4.54	
			<i>For Elevated Installation &gt;40', Add</i>	4.99	
26 05 33	13-0608	EA	3/4" Electrical Metallic Tubing (EMT) 90 Degree Elbow.....	12.12	3.96
			<i>For Work In Restricted Working Space, Add</i>	2.97	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	0.99	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	1.98	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	2.48	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	3.47	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	3.96	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	4.95	
			<i>For Elevated Installation &gt;40', Add</i>	5.45	
26 05 33	13-0609	EA	1" Electrical Metallic Tubing (EMT) 90 Degree Elbow.....	15.04	4.62
			<i>For Work In Restricted Working Space, Add</i>	3.47	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.16	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	2.31	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	2.89	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	4.04	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	4.62	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	5.78	
			<i>For Elevated Installation &gt;40', Add</i>	6.35	
26 05 33	13-0610	EA	1-1/4" Electrical Metallic Tubing (EMT) 90 Degree Elbow.....	16.73	4.95
			<i>For Work In Restricted Working Space, Add</i>	3.71	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.24	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	2.48	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	3.10	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	4.33	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	4.95	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	6.19	
			<i>For Elevated Installation &gt;40', Add</i>	6.81	
26 05 33	13-0611	EA	1-1/2" Electrical Metallic Tubing (EMT) 90 Degree Elbow.....	19.74	5.94
			<i>For Work In Restricted Working Space, Add</i>	4.46	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.49	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	2.97	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	3.71	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	5.20	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	5.94	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	7.43	
			<i>For Elevated Installation &gt;40', Add</i>	8.17	
26 05 33	13-0612	EA	2" Electrical Metallic Tubing (EMT) 90 Degree Elbow.....	26.19	7.59
			<i>For Work In Restricted Working Space, Add</i>	5.69	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.90	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	3.79	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	4.74	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	6.64	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	7.59	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	9.49	
			<i>For Elevated Installation &gt;40', Add</i>	10.43	
26 05 33	13-0613	EA	2-1/2" Electrical Metallic Tubing (EMT) 90 Degree Elbow.....	37.40	8.58
			<i>For Work In Restricted Working Space, Add</i>	6.44	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	2.15	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	4.29	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	5.36	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	7.51	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	8.58	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	10.73	
			<i>For Elevated Installation &gt;40', Add</i>	11.80	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0614 EA 3" Electrical Metallic Tubing (EMT) 90 Degree Elbow.....	49.69	9.57
<i>For Work In Restricted Working Space, Add</i>	7.18	
<i>For Elevated Installation &gt;10' To 15', Add</i>	2.39	
<i>For Elevated Installation &gt;15' To 20', Add</i>	4.79	
<i>For Elevated Installation &gt;20' To 25', Add</i>	5.98	
<i>For Elevated Installation &gt;25' To 30', Add</i>	8.38	
<i>For Elevated Installation &gt;30' To 35', Add</i>	9.57	
<i>For Elevated Installation &gt;35' To 40', Add</i>	11.97	
<i>For Elevated Installation &gt;40', Add</i>	13.16	
26 05 33 13-0615 EA 3-1/2" Electrical Metallic Tubing (EMT) 90 Degree Elbow .....	56.88	10.56
<i>For Work In Restricted Working Space, Add</i>	7.92	
<i>For Elevated Installation &gt;10' To 15', Add</i>	2.64	
<i>For Elevated Installation &gt;15' To 20', Add</i>	5.28	
<i>For Elevated Installation &gt;20' To 25', Add</i>	6.60	
<i>For Elevated Installation &gt;25' To 30', Add</i>	9.24	
<i>For Elevated Installation &gt;30' To 35', Add</i>	10.56	
<i>For Elevated Installation &gt;35' To 40', Add</i>	13.20	
<i>For Elevated Installation &gt;40', Add</i>	14.52	
26 05 33 13-0616 EA 4" Electrical Metallic Tubing (EMT) 90 Degree Elbow.....	116.58	30.07
<i>For Work In Restricted Working Space, Add</i>	22.55	
<i>For Elevated Installation &gt;10' To 15', Add</i>	7.52	
<i>For Elevated Installation &gt;15' To 20', Add</i>	15.03	
<i>For Elevated Installation &gt;20' To 25', Add</i>	18.79	
<i>For Elevated Installation &gt;25' To 30', Add</i>	26.31	
<i>For Elevated Installation &gt;30' To 35', Add</i>	30.06	
<i>For Elevated Installation &gt;35' To 40', Add</i>	37.58	
<i>For Elevated Installation &gt;40', Add</i>	41.34	
<b>26 05 33 13-0617 Electrical Metallic Tubing (EMT) 45 Degree Elbows</b> (26 05 33 13-0594)		
See CSI section 26 05 33 13-2314 for conduit field bending.		
26 05 33 13-0618 EA 1/2" Electrical Metallic Tubing (EMT) 45 Degree Elbow.....	11.31	3.63
<i>For Work In Restricted Working Space, Add</i>	2.72	
<i>For Elevated Installation &gt;10' To 15', Add</i>	0.91	
<i>For Elevated Installation &gt;15' To 20', Add</i>	1.81	
<i>For Elevated Installation &gt;20' To 25', Add</i>	2.27	
<i>For Elevated Installation &gt;25' To 30', Add</i>	3.17	
<i>For Elevated Installation &gt;30' To 35', Add</i>	3.63	
<i>For Elevated Installation &gt;35' To 40', Add</i>	4.54	
<i>For Elevated Installation &gt;40', Add</i>	4.99	
26 05 33 13-0619 EA 3/4" Electrical Metallic Tubing (EMT) 45 Degree Elbow.....	12.28	3.96
<i>For Work In Restricted Working Space, Add</i>	2.97	
<i>For Elevated Installation &gt;10' To 15', Add</i>	0.99	
<i>For Elevated Installation &gt;15' To 20', Add</i>	1.98	
<i>For Elevated Installation &gt;20' To 25', Add</i>	2.48	
<i>For Elevated Installation &gt;25' To 30', Add</i>	3.47	
<i>For Elevated Installation &gt;30' To 35', Add</i>	3.96	
<i>For Elevated Installation &gt;35' To 40', Add</i>	4.95	
<i>For Elevated Installation &gt;40', Add</i>	5.45	
26 05 33 13-0620 EA 1" Electrical Metallic Tubing (EMT) 45 Degree Elbow.....	15.40	4.62
<i>For Work In Restricted Working Space, Add</i>	3.47	
<i>For Elevated Installation &gt;10' To 15', Add</i>	1.16	
<i>For Elevated Installation &gt;15' To 20', Add</i>	2.31	
<i>For Elevated Installation &gt;20' To 25', Add</i>	2.89	
<i>For Elevated Installation &gt;25' To 30', Add</i>	4.04	
<i>For Elevated Installation &gt;30' To 35', Add</i>	4.62	
<i>For Elevated Installation &gt;35' To 40', Add</i>	5.78	
<i>For Elevated Installation &gt;40', Add</i>	6.35	
26 05 33 13-0621 EA 1-1/4" Electrical Metallic Tubing (EMT) 45 Degree Elbow .....	17.39	4.95
<i>For Work In Restricted Working Space, Add</i>	3.71	
<i>For Elevated Installation &gt;10' To 15', Add</i>	1.24	
<i>For Elevated Installation &gt;15' To 20', Add</i>	2.48	
<i>For Elevated Installation &gt;20' To 25', Add</i>	3.10	
<i>For Elevated Installation &gt;25' To 30', Add</i>	4.33	
<i>For Elevated Installation &gt;30' To 35', Add</i>	4.95	
<i>For Elevated Installation &gt;35' To 40', Add</i>	6.19	
<i>For Elevated Installation &gt;40', Add</i>	6.81	
26 05 33 13-0622 EA 1-1/2" Electrical Metallic Tubing (EMT) 45 Degree Elbow .....	20.58	5.94
<i>For Work In Restricted Working Space, Add</i>	4.46	
<i>For Elevated Installation &gt;10' To 15', Add</i>	1.49	
<i>For Elevated Installation &gt;15' To 20', Add</i>	2.97	
<i>For Elevated Installation &gt;20' To 25', Add</i>	3.71	
<i>For Elevated Installation &gt;25' To 30', Add</i>	5.20	
<i>For Elevated Installation &gt;30' To 35', Add</i>	5.94	
<i>For Elevated Installation &gt;35' To 40', Add</i>	7.43	
<i>For Elevated Installation &gt;40', Add</i>	8.17	
26 05 33 13-0623 EA 2" Electrical Metallic Tubing (EMT) 45 Degree Elbow.....	25.92	7.59
<i>For Work In Restricted Working Space, Add</i>	5.69	
<i>For Elevated Installation &gt;10' To 15', Add</i>	1.90	
<i>For Elevated Installation &gt;15' To 20', Add</i>	3.79	
<i>For Elevated Installation &gt;20' To 25', Add</i>	4.74	
<i>For Elevated Installation &gt;25' To 30', Add</i>	6.64	
<i>For Elevated Installation &gt;30' To 35', Add</i>	7.59	
<i>For Elevated Installation &gt;35' To 40', Add</i>	9.49	
<i>For Elevated Installation &gt;40', Add</i>	10.43	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0624 EA 2-1/2" Electrical Metallic Tubing (EMT) 45 Degree Elbow .....	39.85	8.58
For Work In Restricted Working Space, Add	6.44	
For Elevated Installation >10' To 15', Add	2.15	
For Elevated Installation >15' To 20', Add	4.29	
For Elevated Installation >20' To 25', Add	5.36	
For Elevated Installation >25' To 30', Add	7.51	
For Elevated Installation >30' To 35', Add	8.58	
For Elevated Installation >35' To 40', Add	10.73	
For Elevated Installation >40', Add	11.80	
26 05 33 13-0625 EA 3" Electrical Metallic Tubing (EMT) 45 Degree Elbow.....	51.63	9.57
For Work In Restricted Working Space, Add	7.18	
For Elevated Installation >10' To 15', Add	2.39	
For Elevated Installation >15' To 20', Add	4.79	
For Elevated Installation >20' To 25', Add	5.98	
For Elevated Installation >25' To 30', Add	8.38	
For Elevated Installation >30' To 35', Add	9.57	
For Elevated Installation >35' To 40', Add	11.97	
For Elevated Installation >40', Add	13.16	
26 05 33 13-0626 EA 3-1/2" Electrical Metallic Tubing (EMT) 45 Degree Elbow .....	62.14	10.56
For Work In Restricted Working Space, Add	7.92	
For Elevated Installation >10' To 15', Add	2.64	
For Elevated Installation >15' To 20', Add	5.28	
For Elevated Installation >20' To 25', Add	6.60	
For Elevated Installation >25' To 30', Add	9.24	
For Elevated Installation >30' To 35', Add	10.56	
For Elevated Installation >35' To 40', Add	13.20	
For Elevated Installation >40', Add	14.52	
26 05 33 13-0627 EA 4" Electrical Metallic Tubing (EMT) 45 Degree Elbow.....	112.89	30.07
For Work In Restricted Working Space, Add	22.55	
For Elevated Installation >10' To 15', Add	7.52	
For Elevated Installation >15' To 20', Add	15.03	
For Elevated Installation >20' To 25', Add	18.79	
For Elevated Installation >25' To 30', Add	26.31	
For Elevated Installation >30' To 35', Add	30.06	
For Elevated Installation >35' To 40', Add	37.58	
For Elevated Installation >40', Add	41.34	
<b>26 05 33 13-0628 Electrical Metallic Tubing (EMT) Set Screw Couplings (26 05 33 13-0594)</b>		
26 05 33 13-0629 EA 1/2" Electrical Metallic Tubing (EMT) Set Screw Coupling.....	4.41	1.98
For Work In Restricted Working Space, Add	1.24	
For Elevated Installation >10' To 15', Add	0.41	
For Elevated Installation >15' To 20', Add	0.82	
For Elevated Installation >20' To 25', Add	1.03	
For Elevated Installation >25' To 30', Add	1.44	
For Elevated Installation >30' To 35', Add	1.65	
For Elevated Installation >35' To 40', Add	2.06	
For Elevated Installation >40', Add	2.27	
26 05 33 13-0630 EA 3/4" Electrical Metallic Tubing (EMT) Set Screw Coupling.....	5.37	1.98
For Work In Restricted Working Space, Add	1.49	
For Elevated Installation >10' To 15', Add	0.50	
For Elevated Installation >15' To 20', Add	0.99	
For Elevated Installation >20' To 25', Add	1.24	
For Elevated Installation >25' To 30', Add	1.73	
For Elevated Installation >30' To 35', Add	1.98	
For Elevated Installation >35' To 40', Add	2.48	
For Elevated Installation >40', Add	2.72	
26 05 33 13-0631 EA 1" Electrical Metallic Tubing (EMT) Set Screw Coupling.....	6.41	2.31
For Work In Restricted Working Space, Add	1.73	
For Elevated Installation >10' To 15', Add	0.58	
For Elevated Installation >15' To 20', Add	1.15	
For Elevated Installation >20' To 25', Add	1.44	
For Elevated Installation >25' To 30', Add	2.02	
For Elevated Installation >30' To 35', Add	2.31	
For Elevated Installation >35' To 40', Add	2.89	
For Elevated Installation >40', Add	3.17	
26 05 33 13-0632 EA 1-1/4" Electrical Metallic Tubing (EMT) Set Screw Coupling .....	8.84	2.97
For Work In Restricted Working Space, Add	2.23	
For Elevated Installation >10' To 15', Add	0.74	
For Elevated Installation >15' To 20', Add	1.49	
For Elevated Installation >20' To 25', Add	1.86	
For Elevated Installation >25' To 30', Add	2.60	
For Elevated Installation >30' To 35', Add	2.97	
For Elevated Installation >35' To 40', Add	3.72	
For Elevated Installation >40', Add	4.09	
26 05 33 13-0633 EA 1-1/2" Electrical Metallic Tubing (EMT) Set Screw Coupling .....	10.94	3.63
For Work In Restricted Working Space, Add	2.72	
For Elevated Installation >10' To 15', Add	0.91	
For Elevated Installation >15' To 20', Add	1.82	
For Elevated Installation >20' To 25', Add	2.27	
For Elevated Installation >25' To 30', Add	3.18	
For Elevated Installation >30' To 35', Add	3.63	
For Elevated Installation >35' To 40', Add	4.54	
For Elevated Installation >40', Add	4.99	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0634 EA 2" Electrical Metallic Tubing (EMT) Set Screw Coupling.....	14.85	4.95
<i>For Work In Restricted Working Space, Add</i>	3.71	
<i>For Elevated Installation &gt;10' To 15', Add</i>	1.24	
<i>For Elevated Installation &gt;15' To 20', Add</i>	2.47	
<i>For Elevated Installation &gt;20' To 25', Add</i>	3.09	
<i>For Elevated Installation &gt;25' To 30', Add</i>	4.33	
<i>For Elevated Installation &gt;30' To 35', Add</i>	4.95	
<i>For Elevated Installation &gt;35' To 40', Add</i>	6.19	
<i>For Elevated Installation &gt;40', Add</i>	6.80	
26 05 33 13-0635 EA 2-1/2" Electrical Metallic Tubing (EMT) Set Screw Coupling .....	20.85	6.60
<i>For Work In Restricted Working Space, Add</i>	4.95	
<i>For Elevated Installation &gt;10' To 15', Add</i>	1.65	
<i>For Elevated Installation &gt;15' To 20', Add</i>	3.30	
<i>For Elevated Installation &gt;20' To 25', Add</i>	4.13	
<i>For Elevated Installation &gt;25' To 30', Add</i>	5.78	
<i>For Elevated Installation &gt;30' To 35', Add</i>	6.60	
<i>For Elevated Installation &gt;35' To 40', Add</i>	8.26	
<i>For Elevated Installation &gt;40', Add</i>	9.08	
26 05 33 13-0636 EA 3" Electrical Metallic Tubing (EMT) Set Screw Coupling.....	27.37	7.59
<i>For Work In Restricted Working Space, Add</i>	6.19	
<i>For Elevated Installation &gt;10' To 15', Add</i>	2.06	
<i>For Elevated Installation &gt;15' To 20', Add</i>	4.13	
<i>For Elevated Installation &gt;20' To 25', Add</i>	5.16	
<i>For Elevated Installation &gt;25' To 30', Add</i>	7.22	
<i>For Elevated Installation &gt;30' To 35', Add</i>	8.25	
<i>For Elevated Installation &gt;35' To 40', Add</i>	10.32	
<i>For Elevated Installation &gt;40', Add</i>	11.35	
26 05 33 13-0637 EA 3-1/2" Electrical Metallic Tubing (EMT) Set Screw Coupling .....	30.09	8.25
<i>For Work In Restricted Working Space, Add</i>	7.43	
<i>For Elevated Installation &gt;10' To 15', Add</i>	2.48	
<i>For Elevated Installation &gt;15' To 20', Add</i>	4.95	
<i>For Elevated Installation &gt;20' To 25', Add</i>	6.19	
<i>For Elevated Installation &gt;25' To 30', Add</i>	8.66	
<i>For Elevated Installation &gt;30' To 35', Add</i>	9.90	
<i>For Elevated Installation &gt;35' To 40', Add</i>	12.38	
<i>For Elevated Installation &gt;40', Add</i>	13.61	
26 05 33 13-0638 EA 4" Electrical Metallic Tubing (EMT) Set Screw Coupling.....	90.15	24.91
<i>For Work In Restricted Working Space, Add</i>	24.19	
<i>For Elevated Installation &gt;10' To 15', Add</i>	8.06	
<i>For Elevated Installation &gt;15' To 20', Add</i>	16.13	
<i>For Elevated Installation &gt;20' To 25', Add</i>	20.16	
<i>For Elevated Installation &gt;25' To 30', Add</i>	28.22	
<i>For Elevated Installation &gt;30' To 35', Add</i>	32.26	
<i>For Elevated Installation &gt;35' To 40', Add</i>	40.32	
<i>For Elevated Installation &gt;40', Add</i>	44.35	
<b>26 05 33 13-0639 Electrical Metallic Tubing (EMT) Compression Couplings</b> <small>(26 05 33 13-0594)</small>		
26 05 33 13-0640 EA 1/2 Electrical Metallic Tubing (EMT) Compression Coupling .....	5.66	1.98
<i>For Work In Restricted Working Space, Add</i>	1.49	
<i>For Elevated Installation &gt;10' To 15', Add</i>	0.50	
<i>For Elevated Installation &gt;15' To 20', Add</i>	0.99	
<i>For Elevated Installation &gt;20' To 25', Add</i>	1.24	
<i>For Elevated Installation &gt;25' To 30', Add</i>	1.73	
<i>For Elevated Installation &gt;30' To 35', Add</i>	1.98	
<i>For Elevated Installation &gt;35' To 40', Add</i>	2.48	
<i>For Elevated Installation &gt;40', Add</i>	2.72	
26 05 33 13-0641 EA 3/4" Electrical Metallic Tubing (EMT) Compression Coupling.....	6.56	2.31
<i>For Work In Restricted Working Space, Add</i>	1.73	
<i>For Elevated Installation &gt;10' To 15', Add</i>	0.58	
<i>For Elevated Installation &gt;15' To 20', Add</i>	1.16	
<i>For Elevated Installation &gt;20' To 25', Add</i>	1.45	
<i>For Elevated Installation &gt;25' To 30', Add</i>	2.02	
<i>For Elevated Installation &gt;30' To 35', Add</i>	2.31	
<i>For Elevated Installation &gt;35' To 40', Add</i>	2.89	
<i>For Elevated Installation &gt;40', Add</i>	3.18	
26 05 33 13-0642 EA 1" Electrical Metallic Tubing (EMT) Compression Coupling.....	9.34	3.30
<i>For Work In Restricted Working Space, Add</i>	2.48	
<i>For Elevated Installation &gt;10' To 15', Add</i>	0.83	
<i>For Elevated Installation &gt;15' To 20', Add</i>	1.65	
<i>For Elevated Installation &gt;20' To 25', Add</i>	2.06	
<i>For Elevated Installation &gt;25' To 30', Add</i>	2.89	
<i>For Elevated Installation &gt;30' To 35', Add</i>	3.30	
<i>For Elevated Installation &gt;35' To 40', Add</i>	4.13	
<i>For Elevated Installation &gt;40', Add</i>	4.54	
26 05 33 13-0643 EA 1-1/4" Electrical Metallic Tubing (EMT) Compression Coupling.....	12.18	3.96
<i>For Work In Restricted Working Space, Add</i>	2.97	
<i>For Elevated Installation &gt;10' To 15', Add</i>	0.99	
<i>For Elevated Installation &gt;15' To 20', Add</i>	1.98	
<i>For Elevated Installation &gt;20' To 25', Add</i>	2.48	
<i>For Elevated Installation &gt;25' To 30', Add</i>	3.47	
<i>For Elevated Installation &gt;30' To 35', Add</i>	3.96	
<i>For Elevated Installation &gt;35' To 40', Add</i>	4.95	
<i>For Elevated Installation &gt;40', Add</i>	5.45	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0644 EA 1-1/2" Electrical Metallic Tubing (EMT) Compression Coupling.....	14.75	4.62
For Work In Restricted Working Space, Add	3.47	
For Elevated Installation >10' To 15', Add	1.16	
For Elevated Installation >15' To 20', Add	2.31	
For Elevated Installation >20' To 25', Add	2.89	
For Elevated Installation >25' To 30', Add	4.04	
For Elevated Installation >30' To 35', Add	4.62	
For Elevated Installation >35' To 40', Add	5.78	
For Elevated Installation >40', Add	6.35	
26 05 33 13-0645 EA 2" Electrical Metallic Tubing (EMT) Compression Coupling.....	19.89	5.94
For Work In Restricted Working Space, Add	4.46	
For Elevated Installation >10' To 15', Add	1.49	
For Elevated Installation >15' To 20', Add	2.97	
For Elevated Installation >20' To 25', Add	3.71	
For Elevated Installation >25' To 30', Add	5.20	
For Elevated Installation >30' To 35', Add	5.94	
For Elevated Installation >35' To 40', Add	7.43	
For Elevated Installation >40', Add	8.17	
26 05 33 13-0646 EA 2-1/2" Electrical Metallic Tubing (EMT) Compression Coupling.....	32.97	7.92
For Work In Restricted Working Space, Add	5.94	
For Elevated Installation >10' To 15', Add	1.98	
For Elevated Installation >15' To 20', Add	3.96	
For Elevated Installation >20' To 25', Add	4.95	
For Elevated Installation >25' To 30', Add	6.93	
For Elevated Installation >30' To 35', Add	7.92	
For Elevated Installation >35' To 40', Add	9.90	
For Elevated Installation >40', Add	10.89	
26 05 33 13-0647 EA 3" Electrical Metallic Tubing (EMT) Compression Coupling.....	38.07	9.24
For Work In Restricted Working Space, Add	6.93	
For Elevated Installation >10' To 15', Add	2.31	
For Elevated Installation >15' To 20', Add	4.62	
For Elevated Installation >20' To 25', Add	5.78	
For Elevated Installation >25' To 30', Add	8.09	
For Elevated Installation >30' To 35', Add	9.24	
For Elevated Installation >35' To 40', Add	11.55	
For Elevated Installation >40', Add	12.71	
26 05 33 13-0648 EA 3-1/2" Electrical Metallic Tubing (EMT) Compression Coupling.....	47.60	11.55
For Work In Restricted Working Space, Add	8.66	
For Elevated Installation >10' To 15', Add	2.89	
For Elevated Installation >15' To 20', Add	5.78	
For Elevated Installation >20' To 25', Add	7.22	
For Elevated Installation >25' To 30', Add	10.11	
For Elevated Installation >30' To 35', Add	11.55	
For Elevated Installation >35' To 40', Add	14.44	
For Elevated Installation >40', Add	15.88	
26 05 33 13-0649 EA 4" Electrical Metallic Tubing (EMT) Compression Coupling.....	61.01	14.85
For Work In Restricted Working Space, Add	11.14	
For Elevated Installation >10' To 15', Add	3.71	
For Elevated Installation >15' To 20', Add	7.43	
For Elevated Installation >20' To 25', Add	9.28	
For Elevated Installation >25' To 30', Add	13.00	
For Elevated Installation >30' To 35', Add	14.85	
For Elevated Installation >35' To 40', Add	18.57	
For Elevated Installation >40', Add	20.42	
<b>26 05 33 13-0650 Electrical Metallic Tubing (EMT) Raintight Compression Couplings</b> <small>(26 05 33 13-0594)</small>		
26 05 33 13-0651 EA 1/2 Electrical Metallic Tubing (EMT) Raintight Compression Coupling.....	6.69	1.98
For Work In Restricted Working Space, Add	1.49	
For Elevated Installation >10' To 15', Add	0.50	
For Elevated Installation >15' To 20', Add	0.99	
For Elevated Installation >20' To 25', Add	1.24	
For Elevated Installation >25' To 30', Add	1.73	
For Elevated Installation >30' To 35', Add	1.98	
For Elevated Installation >35' To 40', Add	2.48	
For Elevated Installation >40', Add	2.72	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.49	
26 05 33 13-0652 EA 3/4" Electrical Metallic Tubing (EMT) Raintight Compression Coupling.....	7.69	2.31
For Work In Restricted Working Space, Add	1.73	
For Elevated Installation >10' To 15', Add	0.58	
For Elevated Installation >15' To 20', Add	1.16	
For Elevated Installation >20' To 25', Add	1.45	
For Elevated Installation >25' To 30', Add	2.02	
For Elevated Installation >30' To 35', Add	2.31	
For Elevated Installation >35' To 40', Add	2.89	
For Elevated Installation >40', Add	3.18	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.73	
26 05 33 13-0653 EA 1" Electrical Metallic Tubing (EMT) Raintight Compression Coupling.....	11.47	3.30
For Work In Restricted Working Space, Add	2.48	
For Elevated Installation >10' To 15', Add	0.83	
For Elevated Installation >15' To 20', Add	1.65	
For Elevated Installation >20' To 25', Add	2.06	
For Elevated Installation >25' To 30', Add	2.89	
For Elevated Installation >30' To 35', Add	3.30	
For Elevated Installation >35' To 40', Add	4.13	
For Elevated Installation >40', Add	4.54	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.48	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0654 EA 1-1/4" Electrical Metallic Tubing (EMT) Raintight Compression Coupling.....	14.76	3.96
For Work In Restricted Working Space, Add	2.97	
For Elevated Installation >10' To 15', Add	0.99	
For Elevated Installation >15' To 20', Add	1.98	
For Elevated Installation >20' To 25', Add	2.48	
For Elevated Installation >25' To 30', Add	3.47	
For Elevated Installation >30' To 35', Add	3.96	
For Elevated Installation >35' To 40', Add	4.95	
For Elevated Installation >40', Add	5.45	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.97	
26 05 33 13-0655 EA 1-1/2" Electrical Metallic Tubing (EMT) Raintight Compression Coupling.....	19.36	4.62
For Work In Restricted Working Space, Add	3.47	
For Elevated Installation >10' To 15', Add	1.16	
For Elevated Installation >15' To 20', Add	2.31	
For Elevated Installation >20' To 25', Add	2.89	
For Elevated Installation >25' To 30', Add	4.04	
For Elevated Installation >30' To 35', Add	4.62	
For Elevated Installation >35' To 40', Add	5.78	
For Elevated Installation >40', Add	6.35	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.47	
26 05 33 13-0656 EA 2" Electrical Metallic Tubing (EMT) Raintight Compression Coupling.....	23.61	5.61
For Work In Restricted Working Space, Add	4.21	
For Elevated Installation >10' To 15', Add	1.40	
For Elevated Installation >15' To 20', Add	2.81	
For Elevated Installation >20' To 25', Add	3.51	
For Elevated Installation >25' To 30', Add	4.91	
For Elevated Installation >30' To 35', Add	5.61	
For Elevated Installation >35' To 40', Add	7.02	
For Elevated Installation >40', Add	7.72	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.21	
26 05 33 13-0657 EA 2-1/2" Electrical Metallic Tubing (EMT) Raintight Compression Coupling.....	31.72	7.59
For Work In Restricted Working Space, Add	5.69	
For Elevated Installation >10' To 15', Add	1.90	
For Elevated Installation >15' To 20', Add	3.79	
For Elevated Installation >20' To 25', Add	4.74	
For Elevated Installation >25' To 30', Add	6.64	
For Elevated Installation >30' To 35', Add	7.59	
For Elevated Installation >35' To 40', Add	9.49	
For Elevated Installation >40', Add	10.43	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.69	
26 05 33 13-0658 EA 3" Electrical Metallic Tubing (EMT) Raintight Compression Coupling.....	40.43	9.24
For Work In Restricted Working Space, Add	6.93	
For Elevated Installation >10' To 15', Add	2.31	
For Elevated Installation >15' To 20', Add	4.62	
For Elevated Installation >20' To 25', Add	5.78	
For Elevated Installation >25' To 30', Add	8.09	
For Elevated Installation >30' To 35', Add	9.24	
For Elevated Installation >35' To 40', Add	11.55	
For Elevated Installation >40', Add	12.71	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.93	
26 05 33 13-0659 EA 3-1/2" Electrical Metallic Tubing (EMT) Raintight Compression Coupling.....	53.95	11.55
For Work In Restricted Working Space, Add	8.66	
For Elevated Installation >10' To 15', Add	2.89	
For Elevated Installation >15' To 20', Add	5.78	
For Elevated Installation >20' To 25', Add	7.22	
For Elevated Installation >25' To 30', Add	10.11	
For Elevated Installation >30' To 35', Add	11.55	
For Elevated Installation >35' To 40', Add	14.44	
For Elevated Installation >40', Add	15.88	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.66	
26 05 33 13-0660 EA 4" Electrical Metallic Tubing (EMT) Raintight Compression Coupling.....	65.15	14.85
For Work In Restricted Working Space, Add	11.14	
For Elevated Installation >10' To 15', Add	3.71	
For Elevated Installation >15' To 20', Add	7.43	
For Elevated Installation >20' To 25', Add	9.28	
For Elevated Installation >25' To 30', Add	13.00	
For Elevated Installation >30' To 35', Add	14.85	
For Elevated Installation >35' To 40', Add	18.57	
For Elevated Installation >40', Add	20.42	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.14	
<b>26 05 33 13-0661 Electrical Metallic Tubing (EMT) Insulated Bushing (26 05 33 13-0594)</b>		
26 05 33 13-0662 EA 1/2" Electrical Metallic Tubing (EMT) Insulated Bushing.....	5.63	2.23
For Work In Restricted Working Space, Add	1.66	
For Elevated Installation >10' To 15', Add	0.55	
For Elevated Installation >15' To 20', Add	1.11	
For Elevated Installation >20' To 25', Add	1.38	
For Elevated Installation >25' To 30', Add	1.94	
For Elevated Installation >30' To 35', Add	2.21	
For Elevated Installation >35' To 40', Add	2.77	
For Elevated Installation >40', Add	3.04	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.66	

**26 Electrical**

**26 05 Common Work Results for Electrical**

**26 05 33 Raceway and Boxes for Electrical Systems**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0663	EA	3/4" Electrical Metallic Tubing (EMT) Insulated Bushing.....	6.17	2.39
			<i>For Work In Restricted Working Space, Add</i>	1.81	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	0.60	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	1.20	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	1.51	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	2.11	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	2.41	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	3.01	
			<i>For Elevated Installation &gt;40', Add</i>	3.31	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.81	
26 05 33	13-0664	EA	1" Electrical Metallic Tubing (EMT) Insulated Bushing.....	7.82	2.97
			<i>For Work In Restricted Working Space, Add</i>	2.20	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	0.73	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	1.47	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	1.84	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	2.57	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	2.94	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	3.67	
			<i>For Elevated Installation &gt;40', Add</i>	4.04	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.20	
26 05 33	13-0665	EA	1-1/4" Electrical Metallic Tubing (EMT) Insulated Bushing .....	9.99	3.79
			<i>For Work In Restricted Working Space, Add</i>	2.82	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	0.94	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	1.88	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	2.35	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	3.29	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	3.76	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	4.70	
			<i>For Elevated Installation &gt;40', Add</i>	5.17	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.82	
26 05 33	13-0666	EA	1-1/2" Electrical Metallic Tubing (EMT) Insulated Bushing .....	11.91	4.37
			<i>For Work In Restricted Working Space, Add</i>	3.29	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.10	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	2.20	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	2.75	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	3.84	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	4.39	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	5.49	
			<i>For Elevated Installation &gt;40', Add</i>	6.04	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.29	
26 05 33	13-0667	EA	2" Electrical Metallic Tubing (EMT) Insulated Bushing.....	14.77	5.28
			<i>For Work In Restricted Working Space, Add</i>	3.96	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.32	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	2.64	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	3.30	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	4.62	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	5.28	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	6.60	
			<i>For Elevated Installation &gt;40', Add</i>	7.26	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.96	
26 05 33	13-0668	EA	2-1/2" Electrical Metallic Tubing (EMT) Insulated Bushing .....	21.69	7.34
			<i>For Work In Restricted Working Space, Add</i>	5.49	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.83	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	3.66	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	4.58	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	6.41	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	7.32	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	9.16	
			<i>For Elevated Installation &gt;40', Add</i>	10.07	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.49	
26 05 33	13-0669	EA	3" Electrical Metallic Tubing (EMT) Insulated Bushing.....	28.72	9.73
			<i>For Work In Restricted Working Space, Add</i>	7.33	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	2.44	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	4.88	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	6.11	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	8.55	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	9.77	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	12.21	
			<i>For Elevated Installation &gt;40', Add</i>	13.43	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.33	
26 05 33	13-0670	EA	3-1/2" Electrical Metallic Tubing (EMT) Insulated Bushing .....	36.74	12.54
			<i>For Work In Restricted Working Space, Add</i>	9.43	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	3.14	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	6.29	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	7.86	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	11.00	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	12.58	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	15.72	
			<i>For Elevated Installation &gt;40', Add</i>	17.29	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.43	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0671 EA 4" Electrical Metallic Tubing (EMT) Insulated Bushing.....	47.16	16.50
<i>For Work In Restricted Working Space, Add</i>	12.38	
<i>For Elevated Installation &gt;10' To 15', Add</i>	4.13	
<i>For Elevated Installation &gt;15' To 20', Add</i>	8.25	
<i>For Elevated Installation &gt;20' To 25', Add</i>	10.31	
<i>For Elevated Installation &gt;25' To 30', Add</i>	14.44	
<i>For Elevated Installation &gt;30' To 35', Add</i>	16.50	
<i>For Elevated Installation &gt;35' To 40', Add</i>	20.63	
<i>For Elevated Installation &gt;40', Add</i>	22.69	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.38	
<b>26 05 33 13-0672 Electrical Metallic Tubing (EMT) Straight Box Connectors With Set Screw <small>(26 05 33 13-0594)</small></b>		
26 05 33 13-0673 EA 1/2" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw.....	4.35	1.65
<i>For Work In Restricted Working Space, Add</i>	1.24	
<i>For Elevated Installation &gt;10' To 15', Add</i>	0.41	
<i>For Elevated Installation &gt;15' To 20', Add</i>	0.82	
<i>For Elevated Installation &gt;20' To 25', Add</i>	1.03	
<i>For Elevated Installation &gt;25' To 30', Add</i>	1.44	
<i>For Elevated Installation &gt;30' To 35', Add</i>	1.65	
<i>For Elevated Installation &gt;35' To 40', Add</i>	2.06	
<i>For Elevated Installation &gt;40', Add</i>	2.27	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.24	
26 05 33 13-0674 EA 3/4" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw.....	5.32	1.98
<i>For Work In Restricted Working Space, Add</i>	1.49	
<i>For Elevated Installation &gt;10' To 15', Add</i>	0.50	
<i>For Elevated Installation &gt;15' To 20', Add</i>	0.99	
<i>For Elevated Installation &gt;20' To 25', Add</i>	1.24	
<i>For Elevated Installation &gt;25' To 30', Add</i>	1.73	
<i>For Elevated Installation &gt;30' To 35', Add</i>	1.98	
<i>For Elevated Installation &gt;35' To 40', Add</i>	2.48	
<i>For Elevated Installation &gt;40', Add</i>	2.72	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.49	
26 05 33 13-0675 EA 1" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw.....	6.42	2.31
<i>For Work In Restricted Working Space, Add</i>	1.73	
<i>For Elevated Installation &gt;10' To 15', Add</i>	0.58	
<i>For Elevated Installation &gt;15' To 20', Add</i>	1.16	
<i>For Elevated Installation &gt;20' To 25', Add</i>	1.45	
<i>For Elevated Installation &gt;25' To 30', Add</i>	2.02	
<i>For Elevated Installation &gt;30' To 35', Add</i>	2.31	
<i>For Elevated Installation &gt;35' To 40', Add</i>	2.89	
<i>For Elevated Installation &gt;40', Add</i>	3.18	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.73	
26 05 33 13-0676 EA 1-1/4" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw .....	9.44	3.30
<i>For Work In Restricted Working Space, Add</i>	2.48	
<i>For Elevated Installation &gt;10' To 15', Add</i>	0.83	
<i>For Elevated Installation &gt;15' To 20', Add</i>	1.65	
<i>For Elevated Installation &gt;20' To 25', Add</i>	2.06	
<i>For Elevated Installation &gt;25' To 30', Add</i>	2.89	
<i>For Elevated Installation &gt;30' To 35', Add</i>	3.30	
<i>For Elevated Installation &gt;35' To 40', Add</i>	4.13	
<i>For Elevated Installation &gt;40', Add</i>	4.54	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.48	
26 05 33 13-0677 EA 1-1/2" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw .....	11.62	3.96
<i>For Work In Restricted Working Space, Add</i>	2.97	
<i>For Elevated Installation &gt;10' To 15', Add</i>	0.99	
<i>For Elevated Installation &gt;15' To 20', Add</i>	1.98	
<i>For Elevated Installation &gt;20' To 25', Add</i>	2.48	
<i>For Elevated Installation &gt;25' To 30', Add</i>	3.47	
<i>For Elevated Installation &gt;30' To 35', Add</i>	3.96	
<i>For Elevated Installation &gt;35' To 40', Add</i>	4.95	
<i>For Elevated Installation &gt;40', Add</i>	5.45	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.97	
26 05 33 13-0678 EA 2" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw.....	14.92	4.95
<i>For Work In Restricted Working Space, Add</i>	3.71	
<i>For Elevated Installation &gt;10' To 15', Add</i>	1.24	
<i>For Elevated Installation &gt;15' To 20', Add</i>	2.47	
<i>For Elevated Installation &gt;20' To 25', Add</i>	3.09	
<i>For Elevated Installation &gt;25' To 30', Add</i>	4.33	
<i>For Elevated Installation &gt;30' To 35', Add</i>	4.95	
<i>For Elevated Installation &gt;35' To 40', Add</i>	6.19	
<i>For Elevated Installation &gt;40', Add</i>	6.80	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.71	
26 05 33 13-0679 EA 2-1/2" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw .....	23.62	6.60
<i>For Work In Restricted Working Space, Add</i>	4.95	
<i>For Elevated Installation &gt;10' To 15', Add</i>	1.65	
<i>For Elevated Installation &gt;15' To 20', Add</i>	3.30	
<i>For Elevated Installation &gt;20' To 25', Add</i>	4.13	
<i>For Elevated Installation &gt;25' To 30', Add</i>	5.78	
<i>For Elevated Installation &gt;30' To 35', Add</i>	6.60	
<i>For Elevated Installation &gt;35' To 40', Add</i>	8.25	
<i>For Elevated Installation &gt;40', Add</i>	9.08	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.95	

**26 Electrical**

**26 05 Common Work Results for Electrical**

**26 05 33 Raceway and Boxes for Electrical Systems**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0680	EA	3" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw.....	29.33	8.25
			<i>For Work In Restricted Working Space, Add</i>	6.19	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	2.06	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	4.13	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	5.16	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	7.22	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	8.25	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	10.32	
			<i>For Elevated Installation &gt;40', Add</i>	11.35	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.19	
26 05 33	13-0681	EA	3-1/2" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw.....	34.52	9.90
			<i>For Work In Restricted Working Space, Add</i>	7.43	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	2.48	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	4.95	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	6.19	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	8.66	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	9.90	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	12.38	
			<i>For Elevated Installation &gt;40', Add</i>	13.61	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.43	
26 05 33	13-0682	EA	4" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw.....	40.20	11.55
			<i>For Work In Restricted Working Space, Add</i>	8.66	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	2.89	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	5.78	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	7.22	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	10.11	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	11.55	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	14.44	
			<i>For Elevated Installation &gt;40', Add</i>	15.88	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.66	
<b>26 05 33 13-0683 Electrical Metallic Tubing (EMT) Insulated Straight Box Connectors With Set Screw (26 05 33 13-0594)</b>					
26 05 33	13-0684	EA	1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw .....	5.91	2.23
			<i>For Work In Restricted Working Space, Add</i>	1.66	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	0.55	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	1.11	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	1.38	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	1.94	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	2.21	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	2.77	
			<i>For Elevated Installation &gt;40', Add</i>	3.04	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.66	
26 05 33	13-0685	EA	3/4" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw .....	6.63	2.39
			<i>For Work In Restricted Working Space, Add</i>	1.81	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	0.60	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	1.20	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	1.51	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	2.11	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	2.41	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	3.01	
			<i>For Elevated Installation &gt;40', Add</i>	3.31	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.81	
26 05 33	13-0686	EA	1" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw .....	8.42	2.97
			<i>For Work In Restricted Working Space, Add</i>	2.20	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	0.73	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	1.47	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	1.84	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	2.57	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	2.94	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	3.67	
			<i>For Elevated Installation &gt;40', Add</i>	4.04	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.20	
26 05 33	13-0687	EA	1-1/4" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw .....	11.20	3.79
			<i>For Work In Restricted Working Space, Add</i>	2.82	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	0.94	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	1.88	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	2.35	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	3.29	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	3.76	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	4.70	
			<i>For Elevated Installation &gt;40', Add</i>	5.17	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.82	
26 05 33	13-0688	EA	1-1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw .....	13.38	4.37
			<i>For Work In Restricted Working Space, Add</i>	3.29	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.10	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	2.20	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	2.75	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	3.84	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	4.39	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	5.49	
			<i>For Elevated Installation &gt;40', Add</i>	6.04	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.29	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0689 EA 2" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw .....	16.49	5.28
For Work In Restricted Working Space, Add	3.96	
For Elevated Installation >10' To 15', Add	1.32	
For Elevated Installation >15' To 20', Add	2.64	
For Elevated Installation >20' To 25', Add	3.30	
For Elevated Installation >25' To 30', Add	4.62	
For Elevated Installation >30' To 35', Add	5.28	
For Elevated Installation >35' To 40', Add	6.60	
For Elevated Installation >40', Add	7.26	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.96	
26 05 33 13-0690 EA 2-1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw .....	29.08	7.34
For Work In Restricted Working Space, Add	5.49	
For Elevated Installation >10' To 15', Add	1.83	
For Elevated Installation >15' To 20', Add	3.66	
For Elevated Installation >20' To 25', Add	4.58	
For Elevated Installation >25' To 30', Add	6.41	
For Elevated Installation >30' To 35', Add	7.32	
For Elevated Installation >35' To 40', Add	9.16	
For Elevated Installation >40', Add	10.07	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.49	
26 05 33 13-0691 EA 3" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw .....	37.30	9.73
For Work In Restricted Working Space, Add	7.33	
For Elevated Installation >10' To 15', Add	2.44	
For Elevated Installation >15' To 20', Add	4.88	
For Elevated Installation >20' To 25', Add	6.11	
For Elevated Installation >25' To 30', Add	8.55	
For Elevated Installation >30' To 35', Add	9.77	
For Elevated Installation >35' To 40', Add	12.21	
For Elevated Installation >40', Add	13.43	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.33	
26 05 33 13-0692 EA 3-1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw .....	47.55	12.54
For Work In Restricted Working Space, Add	9.43	
For Elevated Installation >10' To 15', Add	3.14	
For Elevated Installation >15' To 20', Add	6.29	
For Elevated Installation >20' To 25', Add	7.86	
For Elevated Installation >25' To 30', Add	11.00	
For Elevated Installation >30' To 35', Add	12.58	
For Elevated Installation >35' To 40', Add	15.72	
For Elevated Installation >40', Add	17.29	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.43	
26 05 33 13-0693 EA 4" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw .....	58.98	16.50
For Work In Restricted Working Space, Add	12.38	
For Elevated Installation >10' To 15', Add	4.13	
For Elevated Installation >15' To 20', Add	8.25	
For Elevated Installation >20' To 25', Add	10.31	
For Elevated Installation >25' To 30', Add	14.44	
For Elevated Installation >30' To 35', Add	16.50	
For Elevated Installation >35' To 40', Add	20.63	
For Elevated Installation >40', Add	22.69	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.38	
<b>26 05 33 13-0694 Electrical Metallic Tubing (EMT) Straight Box Compression Connectors <small>(26 05 33 13-0694)</small></b>		
26 05 33 13-0695 EA 1/2" Electrical Metallic Tubing (EMT) Straight Box Compression Connector .....	5.32	1.98
For Work In Restricted Working Space, Add	1.49	
For Elevated Installation >10' To 15', Add	0.50	
For Elevated Installation >15' To 20', Add	0.99	
For Elevated Installation >20' To 25', Add	1.24	
For Elevated Installation >25' To 30', Add	1.73	
For Elevated Installation >30' To 35', Add	1.98	
For Elevated Installation >35' To 40', Add	2.48	
For Elevated Installation >40', Add	2.72	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.49	
26 05 33 13-0696 EA 3/4" Electrical Metallic Tubing (EMT) Straight Box Compression Connector .....	6.34	2.31
For Work In Restricted Working Space, Add	1.73	
For Elevated Installation >10' To 15', Add	0.58	
For Elevated Installation >15' To 20', Add	1.16	
For Elevated Installation >20' To 25', Add	1.45	
For Elevated Installation >25' To 30', Add	2.02	
For Elevated Installation >30' To 35', Add	2.31	
For Elevated Installation >35' To 40', Add	2.89	
For Elevated Installation >40', Add	3.18	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.73	
26 05 33 13-0697 EA 1" Electrical Metallic Tubing (EMT) Straight Box Compression Connector .....	9.04	3.30
For Work In Restricted Working Space, Add	2.48	
For Elevated Installation >10' To 15', Add	0.83	
For Elevated Installation >15' To 20', Add	1.65	
For Elevated Installation >20' To 25', Add	2.06	
For Elevated Installation >25' To 30', Add	2.89	
For Elevated Installation >30' To 35', Add	3.30	
For Elevated Installation >35' To 40', Add	4.13	
For Elevated Installation >40', Add	4.54	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.48	

**26 Electrical**

**26 05 Common Work Results for Electrical**

**26 05 33 Raceway and Boxes for Electrical Systems**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0698	EA	1-1/4" Electrical Metallic Tubing (EMT) Straight Box Compression Connector.....	11.40	3.96
			<i>For Work In Restricted Working Space, Add</i>	2.97	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	0.99	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	1.98	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	2.48	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	3.47	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	3.96	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	4.95	
			<i>For Elevated Installation &gt;40', Add</i>	5.45	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.97	
26 05 33	13-0699	EA	1-1/2" Electrical Metallic Tubing (EMT) Straight Box Compression Connector.....	13.66	4.62
			<i>For Work In Restricted Working Space, Add</i>	3.47	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.16	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	2.31	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	2.89	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	4.04	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	4.62	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	5.78	
			<i>For Elevated Installation &gt;40', Add</i>	6.35	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.47	
26 05 33	13-0700	EA	2" Electrical Metallic Tubing (EMT) Straight Box Compression Connector.....	17.91	5.94
			<i>For Work In Restricted Working Space, Add</i>	4.46	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.49	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	2.97	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	3.71	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	5.20	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	5.94	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	7.43	
			<i>For Elevated Installation &gt;40', Add</i>	8.17	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.46	
26 05 33	13-0701	EA	2-1/2" Electrical Metallic Tubing (EMT) Straight Box Compression Connector.....	29.01	7.92
			<i>For Work In Restricted Working Space, Add</i>	5.94	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.98	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	3.96	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	4.95	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	6.93	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	7.92	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	9.90	
			<i>For Elevated Installation &gt;40', Add</i>	10.89	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.94	
26 05 33	13-0702	EA	3" Electrical Metallic Tubing (EMT) Straight Box Compression Connector.....	36.80	9.90
			<i>For Work In Restricted Working Space, Add</i>	7.43	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	2.48	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	4.95	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	6.19	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	8.66	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	9.90	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	12.38	
			<i>For Elevated Installation &gt;40', Add</i>	13.61	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.43	
26 05 33	13-0703	EA	3-1/2" Electrical Metallic Tubing (EMT) Straight Box Compression Connector.....	47.44	11.55
			<i>For Work In Restricted Working Space, Add</i>	8.66	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	2.89	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	5.78	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	7.22	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	10.11	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	11.55	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	14.44	
			<i>For Elevated Installation &gt;40', Add</i>	15.88	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.66	
26 05 33	13-0704	EA	4" Electrical Metallic Tubing (EMT) Straight Box Compression Connector.....	53.13	13.20
			<i>For Work In Restricted Working Space, Add</i>	9.90	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	3.30	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	6.60	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	8.25	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	11.55	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	13.20	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	16.50	
			<i>For Elevated Installation &gt;40', Add</i>	18.15	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.90	
26 05 33	13-0705		<b>Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connectors</b> <small>(26 05 33 13-0594)</small>		
26 05 33	13-0706	EA	1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector.....	6.16	2.23
			<i>For Work In Restricted Working Space, Add</i>	1.66	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	0.55	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	1.11	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	1.38	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	1.94	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	2.21	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	2.77	
			<i>For Elevated Installation &gt;40', Add</i>	3.04	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.66	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0707 EA 3/4" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector .....	6.90	2.39
For Work In Restricted Working Space, Add	1.81	
For Elevated Installation >10' To 15', Add	0.60	
For Elevated Installation >15' To 20', Add	1.20	
For Elevated Installation >20' To 25', Add	1.51	
For Elevated Installation >25' To 30', Add	2.11	
For Elevated Installation >30' To 35', Add	2.41	
For Elevated Installation >35' To 40', Add	3.01	
For Elevated Installation >40', Add	3.31	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.81	
26 05 33 13-0708 EA 1" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector .....	8.64	2.97
For Work In Restricted Working Space, Add	2.20	
For Elevated Installation >10' To 15', Add	0.73	
For Elevated Installation >15' To 20', Add	1.47	
For Elevated Installation >20' To 25', Add	1.84	
For Elevated Installation >25' To 30', Add	2.57	
For Elevated Installation >30' To 35', Add	2.94	
For Elevated Installation >35' To 40', Add	3.67	
For Elevated Installation >40', Add	4.04	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.20	
26 05 33 13-0709 EA 1-1/4" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector .....	11.83	3.79
For Work In Restricted Working Space, Add	2.82	
For Elevated Installation >10' To 15', Add	0.94	
For Elevated Installation >15' To 20', Add	1.88	
For Elevated Installation >20' To 25', Add	2.35	
For Elevated Installation >25' To 30', Add	3.29	
For Elevated Installation >30' To 35', Add	3.76	
For Elevated Installation >35' To 40', Add	4.70	
For Elevated Installation >40', Add	5.17	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.82	
26 05 33 13-0710 EA 1-1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector .....	14.43	4.37
For Work In Restricted Working Space, Add	3.29	
For Elevated Installation >10' To 15', Add	1.10	
For Elevated Installation >15' To 20', Add	2.20	
For Elevated Installation >20' To 25', Add	2.75	
For Elevated Installation >25' To 30', Add	3.84	
For Elevated Installation >30' To 35', Add	4.39	
For Elevated Installation >35' To 40', Add	5.49	
For Elevated Installation >40', Add	6.04	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.29	
26 05 33 13-0711 EA 2" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector .....	18.01	5.28
For Work In Restricted Working Space, Add	3.96	
For Elevated Installation >10' To 15', Add	1.32	
For Elevated Installation >15' To 20', Add	2.64	
For Elevated Installation >20' To 25', Add	3.30	
For Elevated Installation >25' To 30', Add	4.62	
For Elevated Installation >30' To 35', Add	5.28	
For Elevated Installation >35' To 40', Add	6.60	
For Elevated Installation >40', Add	7.26	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.96	
26 05 33 13-0712 EA 2-1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector .....	34.64	7.34
For Work In Restricted Working Space, Add	5.49	
For Elevated Installation >10' To 15', Add	1.83	
For Elevated Installation >15' To 20', Add	3.66	
For Elevated Installation >20' To 25', Add	4.58	
For Elevated Installation >25' To 30', Add	6.41	
For Elevated Installation >30' To 35', Add	7.32	
For Elevated Installation >35' To 40', Add	9.16	
For Elevated Installation >40', Add	10.07	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.49	
26 05 33 13-0713 EA 3" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector .....	46.64	9.73
For Work In Restricted Working Space, Add	7.33	
For Elevated Installation >10' To 15', Add	2.44	
For Elevated Installation >15' To 20', Add	4.88	
For Elevated Installation >20' To 25', Add	6.11	
For Elevated Installation >25' To 30', Add	8.55	
For Elevated Installation >30' To 35', Add	9.77	
For Elevated Installation >35' To 40', Add	12.21	
For Elevated Installation >40', Add	13.43	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.33	
26 05 33 13-0714 EA 3-1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector .....	63.91	12.54
For Work In Restricted Working Space, Add	9.43	
For Elevated Installation >10' To 15', Add	3.14	
For Elevated Installation >15' To 20', Add	6.29	
For Elevated Installation >20' To 25', Add	7.86	
For Elevated Installation >25' To 30', Add	11.00	
For Elevated Installation >30' To 35', Add	12.58	
For Elevated Installation >35' To 40', Add	15.72	
For Elevated Installation >40', Add	17.29	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.43	

**26 Electrical**

**26 05 Common Work Results for Electrical**

**26 05 33 Raceway and Boxes for Electrical Systems**



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0715 EA 4" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector.....	79.23	16.50
For Work In Restricted Working Space, Add	12.38	
For Elevated Installation >10' To 15', Add	4.13	
For Elevated Installation >15' To 20', Add	8.25	
For Elevated Installation >20' To 25', Add	10.31	
For Elevated Installation >25' To 30', Add	14.44	
For Elevated Installation >30' To 35', Add	16.50	
For Elevated Installation >35' To 40', Add	20.63	
For Elevated Installation >40', Add	22.69	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.38	
<b>26 05 33 13-0716 Electrical Metallic Tubing (EMT) Expansion Coupling (26 05 33 13-0594)</b>		
Note: Excludes jumper.		
26 05 33 13-0717 EA 1/2" Electrical Metallic Tubing (EMT) Expansion Coupling .....	53.22	10.98
For Work In Restricted Working Space, Add	8.24	
For Elevated Installation >10' To 15', Add	2.75	
For Elevated Installation >15' To 20', Add	5.49	
For Elevated Installation >20' To 25', Add	6.87	
For Elevated Installation >25' To 30', Add	9.61	
For Elevated Installation >30' To 35', Add	10.98	
For Elevated Installation >35' To 40', Add	13.73	
For Elevated Installation >40', Add	15.10	
26 05 33 13-0718 EA 3/4" Electrical Metallic Tubing (EMT) Expansion Coupling .....	64.00	13.29
For Work In Restricted Working Space, Add	9.98	
For Elevated Installation >10' To 15', Add	3.33	
For Elevated Installation >15' To 20', Add	6.66	
For Elevated Installation >20' To 25', Add	8.32	
For Elevated Installation >25' To 30', Add	11.65	
For Elevated Installation >30' To 35', Add	13.31	
For Elevated Installation >35' To 40', Add	16.64	
For Elevated Installation >40', Add	18.30	
26 05 33 13-0719 EA 1" Electrical Metallic Tubing (EMT) Expansion Coupling .....	78.28	16.67
For Work In Restricted Working Space, Add	12.48	
For Elevated Installation >10' To 15', Add	4.16	
For Elevated Installation >15' To 20', Add	8.32	
For Elevated Installation >20' To 25', Add	10.40	
For Elevated Installation >25' To 30', Add	14.56	
For Elevated Installation >30' To 35', Add	16.64	
For Elevated Installation >35' To 40', Add	20.80	
For Elevated Installation >40', Add	22.88	
26 05 33 13-0720 EA 1-1/4" Electrical Metallic Tubing (EMT) Expansion Coupling .....	102.57	20.46
For Work In Restricted Working Space, Add	15.35	
For Elevated Installation >10' To 15', Add	5.12	
For Elevated Installation >15' To 20', Add	10.24	
For Elevated Installation >20' To 25', Add	12.80	
For Elevated Installation >25' To 30', Add	17.91	
For Elevated Installation >30' To 35', Add	20.47	
For Elevated Installation >35' To 40', Add	25.59	
For Elevated Installation >40', Add	28.15	
26 05 33 13-0721 EA 1-1/2" Electrical Metallic Tubing (EMT) Expansion Coupling .....	129.27	24.01
For Work In Restricted Working Space, Add	18.01	
For Elevated Installation >10' To 15', Add	6.00	
For Elevated Installation >15' To 20', Add	12.00	
For Elevated Installation >20' To 25', Add	15.01	
For Elevated Installation >25' To 30', Add	21.01	
For Elevated Installation >30' To 35', Add	24.01	
For Elevated Installation >35' To 40', Add	30.01	
For Elevated Installation >40', Add	33.01	
26 05 33 13-0722 EA 2" Electrical Metallic Tubing (EMT) Expansion Coupling .....	163.14	29.21
For Work In Restricted Working Space, Add	21.93	
For Elevated Installation >10' To 15', Add	7.31	
For Elevated Installation >15' To 20', Add	14.62	
For Elevated Installation >20' To 25', Add	18.27	
For Elevated Installation >25' To 30', Add	25.58	
For Elevated Installation >30' To 35', Add	29.24	
For Elevated Installation >35' To 40', Add	36.55	
For Elevated Installation >40', Add	40.20	
26 05 33 13-0723 EA 2-1/2" Electrical Metallic Tubing (EMT) Expansion Coupling .....	334.92	37.54
For Work In Restricted Working Space, Add	28.16	
For Elevated Installation >10' To 15', Add	9.39	
For Elevated Installation >15' To 20', Add	18.77	
For Elevated Installation >20' To 25', Add	23.47	
For Elevated Installation >25' To 30', Add	32.85	
For Elevated Installation >30' To 35', Add	37.55	
For Elevated Installation >35' To 40', Add	46.94	
For Elevated Installation >40', Add	51.63	
26 05 33 13-0724 EA 3" Electrical Metallic Tubing (EMT) Expansion Coupling .....	412.23	43.89
For Work In Restricted Working Space, Add	32.93	
For Elevated Installation >10' To 15', Add	10.98	
For Elevated Installation >15' To 20', Add	21.95	
For Elevated Installation >20' To 25', Add	27.44	
For Elevated Installation >25' To 30', Add	38.42	
For Elevated Installation >30' To 35', Add	43.90	
For Elevated Installation >35' To 40', Add	54.88	
For Elevated Installation >40', Add	60.37	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0725 EA 3-1/2" Electrical Metallic Tubing (EMT) Expansion Coupling.....	514.08	47.85
For Work In Restricted Working Space, Add	35.90	
For Elevated Installation >10' To 15', Add	11.97	
For Elevated Installation >15' To 20', Add	23.93	
For Elevated Installation >20' To 25', Add	29.92	
For Elevated Installation >25' To 30', Add	41.88	
For Elevated Installation >30' To 35', Add	47.87	
For Elevated Installation >35' To 40', Add	59.84	
For Elevated Installation >40', Add	65.82	
26 05 33 13-0726 EA 4" Electrical Metallic Tubing (EMT) Expansion Coupling.....	555.12	52.80
For Work In Restricted Working Space, Add	39.62	
For Elevated Installation >10' To 15', Add	13.21	
For Elevated Installation >15' To 20', Add	26.41	
For Elevated Installation >20' To 25', Add	33.01	
For Elevated Installation >25' To 30', Add	46.22	
For Elevated Installation >30' To 35', Add	52.82	
For Elevated Installation >35' To 40', Add	66.03	
For Elevated Installation >40', Add	72.63	
<b>26 05 33 13-0727 Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapters</b>		
<small>(26 05 33 13-0594)</small>		
26 05 33 13-0728 EA 1/2" To 3/8" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter.....	8.87	2.97
For Work In Restricted Working Space, Add	2.20	
For Elevated Installation >10' To 15', Add	0.73	
For Elevated Installation >15' To 20', Add	1.46	
For Elevated Installation >20' To 25', Add	1.83	
For Elevated Installation >25' To 30', Add	2.56	
For Elevated Installation >30' To 35', Add	2.93	
For Elevated Installation >35' To 40', Add	3.66	
For Elevated Installation >40', Add	4.03	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.20	
26 05 33 13-0729 EA 1/2" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter.....	9.71	2.97
For Work In Restricted Working Space, Add	2.20	
For Elevated Installation >10' To 15', Add	0.73	
For Elevated Installation >15' To 20', Add	1.46	
For Elevated Installation >20' To 25', Add	1.83	
For Elevated Installation >25' To 30', Add	2.56	
For Elevated Installation >30' To 35', Add	2.93	
For Elevated Installation >35' To 40', Add	3.66	
For Elevated Installation >40', Add	4.03	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.20	
26 05 33 13-0730 EA 3/4" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter.....	10.89	3.22
For Work In Restricted Working Space, Add	2.44	
For Elevated Installation >10' To 15', Add	0.81	
For Elevated Installation >15' To 20', Add	1.63	
For Elevated Installation >20' To 25', Add	2.04	
For Elevated Installation >25' To 30', Add	2.85	
For Elevated Installation >30' To 35', Add	3.26	
For Elevated Installation >35' To 40', Add	4.07	
For Elevated Installation >40', Add	4.48	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.44	
26 05 33 13-0731 EA 1" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter.....	12.79	3.71
For Work In Restricted Working Space, Add	2.78	
For Elevated Installation >10' To 15', Add	0.93	
For Elevated Installation >15' To 20', Add	1.85	
For Elevated Installation >20' To 25', Add	2.32	
For Elevated Installation >25' To 30', Add	3.24	
For Elevated Installation >30' To 35', Add	3.70	
For Elevated Installation >35' To 40', Add	4.63	
For Elevated Installation >40', Add	5.09	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.78	
26 05 33 13-0732 EA 1-1/4" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter.....	19.20	4.46
For Work In Restricted Working Space, Add	3.36	
For Elevated Installation >10' To 15', Add	1.12	
For Elevated Installation >15' To 20', Add	2.24	
For Elevated Installation >20' To 25', Add	2.80	
For Elevated Installation >25' To 30', Add	3.92	
For Elevated Installation >30' To 35', Add	4.48	
For Elevated Installation >35' To 40', Add	5.60	
For Elevated Installation >40', Add	6.16	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.36	
26 05 33 13-0733 EA 1-1/2" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter.....	23.92	5.12
For Work In Restricted Working Space, Add	3.84	
For Elevated Installation >10' To 15', Add	1.28	
For Elevated Installation >15' To 20', Add	2.56	
For Elevated Installation >20' To 25', Add	3.20	
For Elevated Installation >25' To 30', Add	4.48	
For Elevated Installation >30' To 35', Add	5.12	
For Elevated Installation >35' To 40', Add	6.40	
For Elevated Installation >40', Add	7.04	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.84	

**26 Electrical**  
**26 05 Common Work Results for Electrical**  
**26 05 33 Raceway and Boxes for Electrical Systems**



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0734	EA	2" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter.....	31.52	6.43
		<i>For Work In Restricted Working Space, Add</i>	4.80	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	1.60	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	3.20	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	4.00	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	5.60	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	6.40	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	8.00	
		<i>For Elevated Installation &gt;40', Add</i>	8.80	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.80	
<b>26 05 33 13-0735</b>		<b>Electrical Metallic Tubing (EMT) Pulling Elbows</b> <small>(26 05 33 13-0594)</small>		
26 05 33 13-0736	EA	1/2" Electrical Metallic Tubing (EMT) Pulling Elbow With Set Screws .....	18.89	7.43
		<i>For Work In Restricted Working Space, Add</i>	4.46	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	2.97	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.46	
26 05 33 13-0737	EA	3/4" Electrical Metallic Tubing (EMT) Pulling Elbow With Set Screws .....	22.01	8.66
		<i>For Work In Restricted Working Space, Add</i>	5.20	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	3.47	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.20	
26 05 33 13-0738	EA	1" Electrical Metallic Tubing (EMT) Pulling Elbow With Set Screws .....	28.16	9.90
		<i>For Work In Restricted Working Space, Add</i>	5.94	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	3.96	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.94	
26 05 33 13-0739	EA	1-1/4" Electrical Metallic Tubing (EMT) Pulling Elbow With Set Screws .....	36.26	12.37
		<i>For Work In Restricted Working Space, Add</i>	7.43	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	4.95	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.43	
<b>26 05 33 13-0740</b>		<b>Intermediate Metal Conduit (IMC)</b> <small>(26 05 33 13-0059)</small>		
		Note: Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.		
<b>26 05 33 13-0741</b>		<b>Intermediate Metal Conduit (IMC) Conduit</b> <small>(26 05 33 13-0740)</small>		
		Note: Includes field bending conduit up to 1".		
26 05 33 13-0742	LF	1/2" Intermediate Metal Conduit (IMC) Conduit .....	6.88	1.65
		<i>For &gt;250 To 500, Deduct</i>	-0.13	
		<i>For &gt;500 To 1,000, Deduct</i>	-0.19	
		<i>For &gt;1,000, Deduct</i>	-0.26	
		<i>For Installation In Metal Stud Wall, Add</i>	0.43	
		<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	1.07	
		<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.64	
		<i>For Work In Restricted Working Space, Add</i>	1.29	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	0.43	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	0.86	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	1.07	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	1.50	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	1.72	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	2.15	
		<i>For Elevated Installation &gt;40', Add</i>	2.36	
26 05 33 13-0743	LF	3/4" Intermediate Metal Conduit (IMC) Conduit .....	8.21	1.82
		<i>For &gt;250 To 500, Deduct</i>	-0.15	
		<i>For &gt;500 To 1,000, Deduct</i>	-0.23	
		<i>For &gt;1,000, Deduct</i>	-0.31	
		<i>For Installation In Metal Stud Wall, Add</i>	0.51	
		<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	1.28	
		<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.77	
		<i>For Work In Restricted Working Space, Add</i>	1.54	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	0.51	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	1.02	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	1.28	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	1.79	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	2.05	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	2.56	
		<i>For Elevated Installation &gt;40', Add</i>	2.82	
26 05 33 13-0744	LF	1" Intermediate Metal Conduit (IMC) Conduit .....	11.20	1.98
		<i>For &gt;250 To 500, Deduct</i>	-0.24	
		<i>For &gt;500 To 1,000, Deduct</i>	-0.36	
		<i>For &gt;1,000, Deduct</i>	-0.48	
		<i>For Installation In Metal Stud Wall, Add</i>	0.64	
		<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	1.61	
		<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.96	
		<i>For Work In Restricted Working Space, Add</i>	1.93	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	0.64	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	1.29	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	1.61	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	2.25	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	2.57	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	3.22	
		<i>For Elevated Installation &gt;40', Add</i>	3.54	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0745 LF 1-1/4" Intermediate Metal Conduit (IMC) Conduit .....	13.14	3.96
For >250 To 500, Deduct	-0.30	
For >500 To 1,000, Deduct	-0.45	
For >1,000, Deduct	-0.61	
For Installation In Metal Stud Wall, Add	0.71	
For Installation In Wood Stud Wall (Includes Drilling), Add	1.77	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.06	
For Work In Restricted Working Space, Add	2.13	
For Elevated Installation >10' To 15', Add	0.71	
For Elevated Installation >15' To 20', Add	1.42	
For Elevated Installation >20' To 25', Add	1.77	
For Elevated Installation >25' To 30', Add	2.48	
For Elevated Installation >30' To 35', Add	2.84	
For Elevated Installation >35' To 40', Add	3.55	
For Elevated Installation >40', Add	3.90	
26 05 33 13-0746 LF 1-1/2" Intermediate Metal Conduit (IMC) Conduit .....	14.90	2.64
For >250 To 500, Deduct	-0.36	
For >500 To 1,000, Deduct	-0.54	
For >1,000, Deduct	-0.71	
For Installation In Metal Stud Wall, Add	0.78	
For Installation In Wood Stud Wall (Includes Drilling), Add	1.94	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.16	
For Work In Restricted Working Space, Add	2.33	
For Elevated Installation >10' To 15', Add	0.78	
For Elevated Installation >15' To 20', Add	1.55	
For Elevated Installation >20' To 25', Add	1.94	
For Elevated Installation >25' To 30', Add	2.72	
For Elevated Installation >30' To 35', Add	3.10	
For Elevated Installation >35' To 40', Add	3.88	
For Elevated Installation >40', Add	4.27	
26 05 33 13-0747 LF 2" Intermediate Metal Conduit (IMC) Conduit .....	19.08	2.97
For >250 To 500, Deduct	-0.48	
For >500 To 1,000, Deduct	-0.73	
For >1,000, Deduct	-0.97	
For Installation In Metal Stud Wall, Add	0.94	
For Installation In Wood Stud Wall (Includes Drilling), Add	2.35	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.41	
For Work In Restricted Working Space, Add	2.82	
For Elevated Installation >10' To 15', Add	0.94	
For Elevated Installation >15' To 20', Add	1.88	
For Elevated Installation >20' To 25', Add	2.35	
For Elevated Installation >25' To 30', Add	3.29	
For Elevated Installation >30' To 35', Add	3.76	
For Elevated Installation >35' To 40', Add	4.70	
For Elevated Installation >40', Add	5.17	
26 05 33 13-0748 LF 2-1/2" Intermediate Metal Conduit (IMC) Conduit .....	33.91	3.96
For >250 To 500, Deduct	-1.07	
For >500 To 1,000, Deduct	-1.61	
For >1,000, Deduct	-2.15	
For Installation In Metal Stud Wall, Add	1.25	
For Installation In Wood Stud Wall (Includes Drilling), Add	3.12	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.87	
For Work In Restricted Working Space, Add	3.74	
For Elevated Installation >10' To 15', Add	1.25	
For Elevated Installation >15' To 20', Add	2.49	
For Elevated Installation >20' To 25', Add	3.12	
For Elevated Installation >25' To 30', Add	4.36	
For Elevated Installation >30' To 35', Add	4.98	
For Elevated Installation >35' To 40', Add	6.23	
For Elevated Installation >40', Add	6.85	
26 05 33 13-0749 LF 3" Intermediate Metal Conduit (IMC) Conduit .....	42.91	4.95
For >250 To 500, Deduct	-1.32	
For >500 To 1,000, Deduct	-1.98	
For >1,000, Deduct	-2.64	
For Installation In Metal Stud Wall, Add	1.65	
For Installation In Wood Stud Wall (Includes Drilling), Add	4.13	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	2.48	
For Work In Restricted Working Space, Add	4.95	
For Elevated Installation >10' To 15', Add	1.65	
For Elevated Installation >15' To 20', Add	3.30	
For Elevated Installation >20' To 25', Add	4.13	
For Elevated Installation >25' To 30', Add	5.78	
For Elevated Installation >30' To 35', Add	6.60	
For Elevated Installation >35' To 40', Add	8.25	
For Elevated Installation >40', Add	9.08	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0750 LF 3-1/2" Intermediate Metal Conduit (IMC) Conduit .....	49.48	5.94
For >250 To 500, Deduct	-1.53	
For >500 To 1,000, Deduct	-2.29	
For >1,000, Deduct	-3.06	
For Installation In Metal Stud Wall, Add	1.89	
For Installation In Wood Stud Wall (Includes Drilling), Add	4.72	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	2.83	
For Work In Restricted Working Space, Add	5.67	
For Elevated Installation >10' To 15', Add	1.89	
For Elevated Installation >15' To 20', Add	3.78	
For Elevated Installation >20' To 25', Add	4.72	
For Elevated Installation >25' To 30', Add	6.61	
For Elevated Installation >30' To 35', Add	7.56	
For Elevated Installation >35' To 40', Add	9.45	
For Elevated Installation >40', Add	10.39	
26 05 33 13-0751 LF 4" Intermediate Metal Conduit (IMC) Conduit .....	58.03	6.93
For >250 To 500, Deduct	-1.80	
For >500 To 1,000, Deduct	-2.70	
For >1,000, Deduct	-3.60	
For Installation In Metal Stud Wall, Add	2.20	
For Installation In Wood Stud Wall (Includes Drilling), Add	5.51	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	3.30	
For Work In Restricted Working Space, Add	6.61	
For Elevated Installation >10' To 15', Add	2.20	
For Elevated Installation >15' To 20', Add	4.41	
For Elevated Installation >20' To 25', Add	5.51	
For Elevated Installation >25' To 30', Add	7.71	
For Elevated Installation >30' To 35', Add	8.81	
For Elevated Installation >35' To 40', Add	11.02	
For Elevated Installation >40', Add	12.12	
<b>26 05 33 13-0752 Intermediate Metal Conduit (IMC) 90 Degree Elbows</b> <small>(26 05 33 13-0740)</small>		
See CSI section 26 05 33 13-2314 for conduit field bending.		
26 05 33 13-0753 EA 1/2" Intermediate Metal Conduit (IMC) 90 Degree Elbow .....	32.27	8.17
For Work In Restricted Working Space, Add	6.15	
For Elevated Installation >10' To 15', Add	2.05	
For Elevated Installation >15' To 20', Add	4.10	
For Elevated Installation >20' To 25', Add	5.12	
For Elevated Installation >25' To 30', Add	7.17	
For Elevated Installation >30' To 35', Add	8.20	
For Elevated Installation >35' To 40', Add	10.25	
For Elevated Installation >40', Add	11.27	
26 05 33 13-0754 EA 3/4" Intermediate Metal Conduit (IMC) 90 Degree Elbow .....	38.69	10.14
For Work In Restricted Working Space, Add	7.64	
For Elevated Installation >10' To 15', Add	2.55	
For Elevated Installation >15' To 20', Add	5.09	
For Elevated Installation >20' To 25', Add	6.37	
For Elevated Installation >25' To 30', Add	8.91	
For Elevated Installation >30' To 35', Add	10.19	
For Elevated Installation >35' To 40', Add	12.74	
For Elevated Installation >40', Add	14.01	
26 05 33 13-0755 EA 1" Intermediate Metal Conduit (IMC) 90 Degree Elbow .....	49.85	12.46
For Work In Restricted Working Space, Add	9.32	
For Elevated Installation >10' To 15', Add	3.11	
For Elevated Installation >15' To 20', Add	6.21	
For Elevated Installation >20' To 25', Add	7.77	
For Elevated Installation >25' To 30', Add	10.87	
For Elevated Installation >30' To 35', Add	12.42	
For Elevated Installation >35' To 40', Add	15.53	
For Elevated Installation >40', Add	17.08	
26 05 33 13-0756 EA 1-1/4" Intermediate Metal Conduit (IMC) 90 Degree Elbow .....	62.41	14.44
For Work In Restricted Working Space, Add	10.82	
For Elevated Installation >10' To 15', Add	3.61	
For Elevated Installation >15' To 20', Add	7.21	
For Elevated Installation >20' To 25', Add	9.02	
For Elevated Installation >25' To 30', Add	12.62	
For Elevated Installation >30' To 35', Add	14.42	
For Elevated Installation >35' To 40', Add	18.03	
For Elevated Installation >40', Add	19.83	
26 05 33 13-0757 EA 1-1/2" Intermediate Metal Conduit (IMC) 90 Degree Elbow .....	74.72	16.59
For Work In Restricted Working Space, Add	12.42	
For Elevated Installation >10' To 15', Add	4.14	
For Elevated Installation >15' To 20', Add	8.28	
For Elevated Installation >20' To 25', Add	10.35	
For Elevated Installation >25' To 30', Add	14.49	
For Elevated Installation >30' To 35', Add	16.56	
For Elevated Installation >35' To 40', Add	20.70	
For Elevated Installation >40', Add	22.76	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0758 EA 2" Intermediate Metal Conduit (IMC) 90 Degree Elbow .....	93.51	18.23
For Work In Restricted Working Space, Add	13.66	
For Elevated Installation >10' To 15', Add	4.55	
For Elevated Installation >15' To 20', Add	9.11	
For Elevated Installation >20' To 25', Add	11.39	
For Elevated Installation >25' To 30', Add	15.94	
For Elevated Installation >30' To 35', Add	18.22	
For Elevated Installation >35' To 40', Add	22.77	
For Elevated Installation >40', Add	25.05	
26 05 33 13-0759 EA 2-1/2" Intermediate Metal Conduit (IMC) 90 Degree Elbow .....	138.38	22.77
For Work In Restricted Working Space, Add	17.08	
For Elevated Installation >10' To 15', Add	5.69	
For Elevated Installation >15' To 20', Add	11.38	
For Elevated Installation >20' To 25', Add	14.23	
For Elevated Installation >25' To 30', Add	19.92	
For Elevated Installation >30' To 35', Add	22.77	
For Elevated Installation >35' To 40', Add	28.46	
For Elevated Installation >40', Add	31.31	
26 05 33 13-0760 EA 3" Intermediate Metal Conduit (IMC) 90 Degree Elbow .....	202.24	31.03
For Work In Restricted Working Space, Add	23.26	
For Elevated Installation >10' To 15', Add	7.75	
For Elevated Installation >15' To 20', Add	15.51	
For Elevated Installation >20' To 25', Add	19.39	
For Elevated Installation >25' To 30', Add	27.14	
For Elevated Installation >30' To 35', Add	31.02	
For Elevated Installation >35' To 40', Add	38.77	
For Elevated Installation >40', Add	42.65	
26 05 33 13-0761 EA 3-1/2" Intermediate Metal Conduit (IMC) 90 Degree Elbow .....	307.62	34.98
For Work In Restricted Working Space, Add	26.24	
For Elevated Installation >10' To 15', Add	8.75	
For Elevated Installation >15' To 20', Add	17.49	
For Elevated Installation >20' To 25', Add	21.87	
For Elevated Installation >25' To 30', Add	30.61	
For Elevated Installation >30' To 35', Add	34.99	
For Elevated Installation >35' To 40', Add	43.74	
For Elevated Installation >40', Add	48.11	
26 05 33 13-0762 EA 4" Intermediate Metal Conduit (IMC) 90 Degree Elbow .....	369.20	45.55
For Work In Restricted Working Space, Add	34.15	
For Elevated Installation >10' To 15', Add	11.38	
For Elevated Installation >15' To 20', Add	22.77	
For Elevated Installation >20' To 25', Add	28.46	
For Elevated Installation >25' To 30', Add	39.84	
For Elevated Installation >30' To 35', Add	45.53	
For Elevated Installation >35' To 40', Add	56.92	
For Elevated Installation >40', Add	62.61	
<b>26 05 33 13-0763 Intermediate Metal Conduit (IMC) Bushing Sets With Locknut (26 05 33 13-0740)</b>		
26 05 33 13-0764 EA 1/2" Intermediate Metal Conduit (IMC) Bushing Set With Locknut .....	11.54	4.29
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.22	
26 05 33 13-0765 EA 3/4" Intermediate Metal Conduit (IMC) Bushing Set With Locknut .....	13.77	0.49
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.71	
26 05 33 13-0766 EA 1" Intermediate Metal Conduit (IMC) Bushing Set With Locknut .....	17.99	6.27
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.70	
26 05 33 13-0767 EA 1-1/4" Intermediate Metal Conduit (IMC) Bushing Set With Locknut .....	22.07	7.59
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.69	
26 05 33 13-0768 EA 1-1/2" Intermediate Metal Conduit (IMC) Bushing Set With Locknut .....	25.04	8.25
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.19	
26 05 33 13-0769 EA 2" Intermediate Metal Conduit (IMC) Bushing Set With Locknut .....	32.86	10.23
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.67	
26 05 33 13-0770 EA 2-1/2" Intermediate Metal Conduit (IMC) Bushing Set With Locknut .....	63.96	16.50
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.38	
26 05 33 13-0771 EA 3" Intermediate Metal Conduit (IMC) Bushing Set With Locknut .....	76.30	22.44
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.83	
26 05 33 13-0772 EA 3-1/2" Intermediate Metal Conduit (IMC) Bushing Set With Locknut .....	103.33	26.73
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.05	
26 05 33 13-0773 EA 4" Intermediate Metal Conduit (IMC) Bushing Set With Locknut .....	122.70	31.03
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.27	
<b>26 05 33 13-0774 Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fittings (26 05 33 13-0740)</b>		
Note: 3-Piece coupling.		
26 05 33 13-0775 EA 1/2" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting .....	39.36	13.20
For Work In Restricted Working Space, Add	9.91	
For Elevated Installation >10' To 15', Add	3.30	
For Elevated Installation >15' To 20', Add	6.61	
For Elevated Installation >20' To 25', Add	8.26	
For Elevated Installation >25' To 30', Add	11.56	
For Elevated Installation >30' To 35', Add	13.22	
For Elevated Installation >35' To 40', Add	16.52	
For Elevated Installation >40', Add	18.17	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.91	

**26 Electrical**

**26 05 Common Work Results for Electrical**

**26 05 33 Raceway and Boxes for Electrical Systems**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0776	EA	3/4" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting.....	45.02	14.77
			<i>For Work In Restricted Working Space, Add</i>	11.06	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	3.69	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	7.38	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	9.22	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	12.91	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	14.75	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	18.44	
			<i>For Elevated Installation &gt;40', Add</i>	20.28	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.06	
26 05 33	13-0777	EA	1" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting.....	56.77	16.42
			<i>For Work In Restricted Working Space, Add</i>	12.32	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	4.11	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	8.22	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	10.27	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	14.38	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	16.43	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	20.54	
			<i>For Elevated Installation &gt;40', Add</i>	22.59	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.32	
26 05 33	13-0778	EA	1-1/4" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting.....	73.82	17.98
			<i>For Work In Restricted Working Space, Add</i>	13.49	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	4.50	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	8.99	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	11.24	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	15.73	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	17.98	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	22.48	
			<i>For Elevated Installation &gt;40', Add</i>	24.72	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.49	
26 05 33	13-0779	EA	1-1/2" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting.....	85.41	19.64
			<i>For Work In Restricted Working Space, Add</i>	14.75	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	4.92	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	9.84	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	12.30	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	17.21	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	19.67	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	24.59	
			<i>For Elevated Installation &gt;40', Add</i>	27.05	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.75	
26 05 33	13-0780	EA	2" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting.....	125.73	21.28
			<i>For Work In Restricted Working Space, Add</i>	15.98	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	5.33	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	10.65	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	13.32	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	18.64	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	21.30	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	26.63	
			<i>For Elevated Installation &gt;40', Add</i>	29.29	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.98	
26 05 33	13-0781	EA	2-1/2" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting.....	221.01	26.40
			<i>For Work In Restricted Working Space, Add</i>	19.80	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	6.60	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	13.20	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	16.50	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	23.10	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	26.40	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	33.00	
			<i>For Elevated Installation &gt;40', Add</i>	36.30	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.80	
26 05 33	13-0782	EA	3" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting.....	318.89	33.00
			<i>For Work In Restricted Working Space, Add</i>	24.75	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	8.25	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	16.50	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	20.63	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	28.88	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	33.00	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	41.25	
			<i>For Elevated Installation &gt;40', Add</i>	45.38	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.75	
26 05 33	13-0783	EA	3-1/2" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting.....	478.81	39.61
			<i>For Work In Restricted Working Space, Add</i>	29.71	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	9.90	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	19.81	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	24.76	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	34.66	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	39.62	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	49.52	
			<i>For Elevated Installation &gt;40', Add</i>	54.47	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29.71	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0784 EA 4" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting.....	556.77	42.91
<i>For Work In Restricted Working Space, Add</i>	32.18	
<i>For Elevated Installation &gt;10' To 15', Add</i>	10.73	
<i>For Elevated Installation &gt;15' To 20', Add</i>	21.45	
<i>For Elevated Installation &gt;20' To 25', Add</i>	26.81	
<i>For Elevated Installation &gt;25' To 30', Add</i>	37.54	
<i>For Elevated Installation &gt;30' To 35', Add</i>	42.90	
<i>For Elevated Installation &gt;35' To 40', Add</i>	53.63	
<i>For Elevated Installation &gt;40', Add</i>	58.99	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32.18	
<b>26 05 33 13-0785 Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connectors <small>(26 05 33 13-0740)</small></b>		
26 05 33 13-0786 EA 1/2" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector .....	23.38	6.60
<i>For Work In Restricted Working Space, Add</i>	4.95	
<i>For Elevated Installation &gt;10' To 15', Add</i>	1.65	
<i>For Elevated Installation &gt;15' To 20', Add</i>	3.30	
<i>For Elevated Installation &gt;20' To 25', Add</i>	4.13	
<i>For Elevated Installation &gt;25' To 30', Add</i>	5.78	
<i>For Elevated Installation &gt;30' To 35', Add</i>	6.60	
<i>For Elevated Installation &gt;35' To 40', Add</i>	8.25	
<i>For Elevated Installation &gt;40', Add</i>	9.08	
26 05 33 13-0787 EA 3/4" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector .....	26.29	7.26
<i>For Work In Restricted Working Space, Add</i>	5.45	
<i>For Elevated Installation &gt;10' To 15', Add</i>	1.82	
<i>For Elevated Installation &gt;15' To 20', Add</i>	3.63	
<i>For Elevated Installation &gt;20' To 25', Add</i>	4.54	
<i>For Elevated Installation &gt;25' To 30', Add</i>	6.35	
<i>For Elevated Installation &gt;30' To 35', Add</i>	7.26	
<i>For Elevated Installation &gt;35' To 40', Add</i>	9.08	
<i>For Elevated Installation &gt;40', Add</i>	9.98	
26 05 33 13-0788 EA 1" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector .....	30.32	8.25
<i>For Work In Restricted Working Space, Add</i>	6.19	
<i>For Elevated Installation &gt;10' To 15', Add</i>	2.06	
<i>For Elevated Installation &gt;15' To 20', Add</i>	4.13	
<i>For Elevated Installation &gt;20' To 25', Add</i>	5.16	
<i>For Elevated Installation &gt;25' To 30', Add</i>	7.22	
<i>For Elevated Installation &gt;30' To 35', Add</i>	8.25	
<i>For Elevated Installation &gt;35' To 40', Add</i>	10.32	
<i>For Elevated Installation &gt;40', Add</i>	11.35	
26 05 33 13-0789 EA 1-1/4" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector .....	35.07	8.91
<i>For Work In Restricted Working Space, Add</i>	6.68	
<i>For Elevated Installation &gt;10' To 15', Add</i>	2.23	
<i>For Elevated Installation &gt;15' To 20', Add</i>	4.46	
<i>For Elevated Installation &gt;20' To 25', Add</i>	5.57	
<i>For Elevated Installation &gt;25' To 30', Add</i>	7.80	
<i>For Elevated Installation &gt;30' To 35', Add</i>	8.91	
<i>For Elevated Installation &gt;35' To 40', Add</i>	11.14	
<i>For Elevated Installation &gt;40', Add</i>	12.25	
26 05 33 13-0790 EA 1-1/2" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector .....	42.58	9.90
<i>For Work In Restricted Working Space, Add</i>	7.43	
<i>For Elevated Installation &gt;10' To 15', Add</i>	2.48	
<i>For Elevated Installation &gt;15' To 20', Add</i>	4.95	
<i>For Elevated Installation &gt;20' To 25', Add</i>	6.19	
<i>For Elevated Installation &gt;25' To 30', Add</i>	8.66	
<i>For Elevated Installation &gt;30' To 35', Add</i>	9.90	
<i>For Elevated Installation &gt;35' To 40', Add</i>	12.38	
<i>For Elevated Installation &gt;40', Add</i>	13.61	
26 05 33 13-0791 EA 2" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector .....	53.58	10.89
<i>For Work In Restricted Working Space, Add</i>	8.17	
<i>For Elevated Installation &gt;10' To 15', Add</i>	2.72	
<i>For Elevated Installation &gt;15' To 20', Add</i>	5.45	
<i>For Elevated Installation &gt;20' To 25', Add</i>	6.81	
<i>For Elevated Installation &gt;25' To 30', Add</i>	9.53	
<i>For Elevated Installation &gt;30' To 35', Add</i>	10.89	
<i>For Elevated Installation &gt;35' To 40', Add</i>	13.62	
<i>For Elevated Installation &gt;40', Add</i>	14.98	
26 05 33 13-0792 EA 2-1/2" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector .....	75.24	13.20
<i>For Work In Restricted Working Space, Add</i>	9.90	
<i>For Elevated Installation &gt;10' To 15', Add</i>	3.30	
<i>For Elevated Installation &gt;15' To 20', Add</i>	6.60	
<i>For Elevated Installation &gt;20' To 25', Add</i>	8.25	
<i>For Elevated Installation &gt;25' To 30', Add</i>	11.55	
<i>For Elevated Installation &gt;30' To 35', Add</i>	13.20	
<i>For Elevated Installation &gt;35' To 40', Add</i>	16.50	
<i>For Elevated Installation &gt;40', Add</i>	18.15	

**26 Electrical**

**26 05 Common Work Results for Electrical**

**26 05 33 Raceway and Boxes for Electrical Systems**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0793	EA	3" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector	92.79	16.50
			<i>For Work In Restricted Working Space, Add</i>	12.38	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	4.13	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	8.25	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	10.31	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	14.44	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	16.50	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	20.63	
			<i>For Elevated Installation &gt;40', Add</i>	22.69	
26 05 33	13-0794	EA	3-1/2" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector	111.50	19.80
			<i>For Work In Restricted Working Space, Add</i>	14.85	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	4.95	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	9.90	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	12.38	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	17.33	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	19.80	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	24.75	
			<i>For Elevated Installation &gt;40', Add</i>	27.23	
26 05 33	13-0795	EA	4" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector	127.26	21.45
			<i>For Work In Restricted Working Space, Add</i>	16.09	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	5.36	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	10.73	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	13.41	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	18.77	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	21.45	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	26.82	
			<i>For Elevated Installation &gt;40', Add</i>	29.50	
26 05 33	13-0796		<b>Intermediate Metal Conduit (IMC) Rain Tight Threaded Hubs</b> <small>(26 05 33 13-0740)</small>		
26 05 33	13-0797	EA	1/2" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	19.38	6.60
			<i>For Work In Restricted Working Space, Add</i>	4.95	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.65	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	3.30	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	4.13	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	5.78	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	6.60	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	8.26	
			<i>For Elevated Installation &gt;40', Add</i>	9.08	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.95	
26 05 33	13-0798	EA	3/4" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	24.92	8.25
			<i>For Work In Restricted Working Space, Add</i>	6.19	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	2.06	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	4.12	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	5.16	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	7.22	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	8.25	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	10.31	
			<i>For Elevated Installation &gt;40', Add</i>	11.34	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.19	
26 05 33	13-0799	EA	1" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	31.11	9.90
			<i>For Work In Restricted Working Space, Add</i>	7.43	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	2.48	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	4.95	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	6.19	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	8.66	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	9.90	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	12.38	
			<i>For Elevated Installation &gt;40', Add</i>	13.61	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.43	
26 05 33	13-0800	EA	1-1/4" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	37.87	11.55
			<i>For Work In Restricted Working Space, Add</i>	8.66	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	2.89	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	5.78	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	7.22	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	10.11	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	11.55	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	14.44	
			<i>For Elevated Installation &gt;40', Add</i>	15.88	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.66	
26 05 33	13-0801	EA	1-1/2" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	44.59	13.20
			<i>For Work In Restricted Working Space, Add</i>	9.90	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	3.30	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	6.60	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	8.25	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	11.55	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	13.20	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	16.50	
			<i>For Elevated Installation &gt;40', Add</i>	18.15	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.90	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0802 EA 2" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub .....	53.87	14.85
For Work In Restricted Working Space, Add	11.14	
For Elevated Installation >10' To 15', Add	3.71	
For Elevated Installation >15' To 20', Add	7.43	
For Elevated Installation >20' To 25', Add	9.28	
For Elevated Installation >25' To 30', Add	13.00	
For Elevated Installation >30' To 35', Add	14.85	
For Elevated Installation >35' To 40', Add	18.57	
For Elevated Installation >40', Add	20.42	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.14	
26 05 33 13-0803 EA 2-1/2" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub .....	69.31	16.50
For Work In Restricted Working Space, Add	12.38	
For Elevated Installation >10' To 15', Add	4.13	
For Elevated Installation >15' To 20', Add	8.25	
For Elevated Installation >20' To 25', Add	10.31	
For Elevated Installation >25' To 30', Add	14.44	
For Elevated Installation >30' To 35', Add	16.50	
For Elevated Installation >35' To 40', Add	20.63	
For Elevated Installation >40', Add	22.69	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.38	
26 05 33 13-0804 EA 3" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub .....	83.15	18.15
For Work In Restricted Working Space, Add	13.61	
For Elevated Installation >10' To 15', Add	4.54	
For Elevated Installation >15' To 20', Add	9.07	
For Elevated Installation >20' To 25', Add	11.34	
For Elevated Installation >25' To 30', Add	15.88	
For Elevated Installation >30' To 35', Add	18.15	
For Elevated Installation >35' To 40', Add	22.69	
For Elevated Installation >40', Add	24.95	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.61	
26 05 33 13-0805 EA 3-1/2" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub .....	102.61	21.45
For Work In Restricted Working Space, Add	16.09	
For Elevated Installation >10' To 15', Add	5.36	
For Elevated Installation >15' To 20', Add	10.73	
For Elevated Installation >20' To 25', Add	13.41	
For Elevated Installation >25' To 30', Add	18.77	
For Elevated Installation >30' To 35', Add	21.45	
For Elevated Installation >35' To 40', Add	26.82	
For Elevated Installation >40', Add	29.50	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.09	
26 05 33 13-0806 EA 4" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub .....	119.56	23.10
For Work In Restricted Working Space, Add	17.33	
For Elevated Installation >10' To 15', Add	5.78	
For Elevated Installation >15' To 20', Add	11.55	
For Elevated Installation >20' To 25', Add	14.44	
For Elevated Installation >25' To 30', Add	20.21	
For Elevated Installation >30' To 35', Add	23.10	
For Elevated Installation >35' To 40', Add	28.88	
For Elevated Installation >40', Add	31.76	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.33	
<b>26 05 33 13-0807 Intermediate Metal Conduit (IMC) Expansion Fittings (26 05 33 13-0740)</b>		
26 05 33 13-0808 EA 1/2" Intermediate Metal Conduit (IMC) Expansion Fitting .....	157.01	13.20
For Work In Restricted Working Space, Add	9.90	
For Elevated Installation >10' To 15', Add	3.30	
For Elevated Installation >15' To 20', Add	6.60	
For Elevated Installation >20' To 25', Add	8.25	
For Elevated Installation >25' To 30', Add	11.55	
For Elevated Installation >30' To 35', Add	13.20	
For Elevated Installation >35' To 40', Add	16.50	
For Elevated Installation >40', Add	18.15	
26 05 33 13-0809 EA 3/4" Intermediate Metal Conduit (IMC) Expansion Fitting .....	173.54	14.85
For Work In Restricted Working Space, Add	11.14	
For Elevated Installation >10' To 15', Add	3.71	
For Elevated Installation >15' To 20', Add	7.43	
For Elevated Installation >20' To 25', Add	9.28	
For Elevated Installation >25' To 30', Add	13.00	
For Elevated Installation >30' To 35', Add	14.85	
For Elevated Installation >35' To 40', Add	18.57	
For Elevated Installation >40', Add	20.42	
26 05 33 13-0810 EA 1" Intermediate Metal Conduit (IMC) Expansion Fitting .....	192.86	16.50
For Work In Restricted Working Space, Add	12.38	
For Elevated Installation >10' To 15', Add	4.13	
For Elevated Installation >15' To 20', Add	8.25	
For Elevated Installation >20' To 25', Add	10.32	
For Elevated Installation >25' To 30', Add	14.44	
For Elevated Installation >30' To 35', Add	16.50	
For Elevated Installation >35' To 40', Add	20.63	
For Elevated Installation >40', Add	22.69	

**26 Electrical**

**26 05 Common Work Results for Electrical**

**26 05 33 Raceway and Boxes for Electrical Systems**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0811	EA	1-1/4" Intermediate Metal Conduit (IMC) Expansion Fitting	234.49	18.15
			<i>For Work In Restricted Working Space, Add</i>	13.61	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	4.54	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	9.08	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	11.35	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	15.88	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	18.15	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	22.69	
			<i>For Elevated Installation &gt;40', Add</i>	24.96	
26 05 33	13-0812	EA	1-1/2" Intermediate Metal Conduit (IMC) Expansion Fitting	289.37	19.80
			<i>For Work In Restricted Working Space, Add</i>	14.85	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	4.95	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	9.90	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	12.38	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	17.33	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	19.80	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	24.75	
			<i>For Elevated Installation &gt;40', Add</i>	27.23	
26 05 33	13-0813	EA	2" Intermediate Metal Conduit (IMC) Expansion Fitting	384.41	21.45
			<i>For Work In Restricted Working Space, Add</i>	16.09	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	5.36	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	10.72	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	13.41	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	18.77	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	21.45	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	26.81	
			<i>For Elevated Installation &gt;40', Add</i>	29.49	
26 05 33	13-0814	EA	2-1/2" Intermediate Metal Conduit (IMC) Expansion Fitting	585.59	26.40
			<i>For Work In Restricted Working Space, Add</i>	19.80	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	6.60	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	13.20	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	16.50	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	23.10	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	26.40	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	33.00	
			<i>For Elevated Installation &gt;40', Add</i>	36.30	
26 05 33	13-0815	EA	3" Intermediate Metal Conduit (IMC) Expansion Fitting	702.92	33.00
			<i>For Work In Restricted Working Space, Add</i>	24.75	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	8.25	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	16.50	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	20.63	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	28.88	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	33.00	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	41.25	
			<i>For Elevated Installation &gt;40', Add</i>	45.38	
26 05 33	13-0816	EA	3-1/2" Intermediate Metal Conduit (IMC) Expansion Fitting	985.35	39.61
			<i>For Work In Restricted Working Space, Add</i>	29.71	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	9.90	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	19.80	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	24.76	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	34.66	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	39.61	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	49.51	
			<i>For Elevated Installation &gt;40', Add</i>	54.46	
26 05 33	13-0817	EA	4" Intermediate Metal Conduit (IMC) Expansion Fitting	1,142.08	42.91
			<i>For Work In Restricted Working Space, Add</i>	32.18	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	10.73	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	21.45	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	26.81	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	37.54	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	42.90	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	53.63	
			<i>For Elevated Installation &gt;40', Add</i>	58.99	
26 05 33	13-0818		<b>Intermediate Metal Conduit (IMC) Sealing Fittings, Vertical/Horizontal</b> <small>(26 05 33 13-0740)</small>		
26 05 33	13-0819	EA	1/2" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	88.97	20.63
			<i>For Work In Restricted Working Space, Add</i>	12.38	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	4.13	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	8.25	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	10.31	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	14.44	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	16.50	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	20.63	
			<i>For Elevated Installation &gt;40', Add</i>	22.69	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.38	
26 05 33	13-0820	EA	3/4" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	105.54	24.75
			<i>For Work In Restricted Working Space, Add</i>	14.85	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	4.95	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	9.90	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	12.38	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	17.33	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	19.80	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	24.75	
			<i>For Elevated Installation &gt;40', Add</i>	27.23	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.85	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0821 EA 1" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal.....	129.78	28.88
For Work In Restricted Working Space, Add	17.33	
For Elevated Installation >10' To 15', Add	5.78	
For Elevated Installation >15' To 20', Add	11.55	
For Elevated Installation >20' To 25', Add	14.44	
For Elevated Installation >25' To 30', Add	20.22	
For Elevated Installation >30' To 35', Add	23.10	
For Elevated Installation >35' To 40', Add	28.88	
For Elevated Installation >40', Add	31.77	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.33	
26 05 33 13-0822 EA 1-1/4" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal.....	153.46	33.00
For Work In Restricted Working Space, Add	19.80	
For Elevated Installation >10' To 15', Add	6.60	
For Elevated Installation >15' To 20', Add	13.20	
For Elevated Installation >20' To 25', Add	16.50	
For Elevated Installation >25' To 30', Add	23.10	
For Elevated Installation >30' To 35', Add	26.40	
For Elevated Installation >35' To 40', Add	33.00	
For Elevated Installation >40', Add	36.30	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.80	
26 05 33 13-0823 EA 1-1/2" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal.....	205.93	37.13
For Work In Restricted Working Space, Add	22.28	
For Elevated Installation >10' To 15', Add	7.43	
For Elevated Installation >15' To 20', Add	14.85	
For Elevated Installation >20' To 25', Add	18.56	
For Elevated Installation >25' To 30', Add	25.99	
For Elevated Installation >30' To 35', Add	29.70	
For Elevated Installation >35' To 40', Add	37.13	
For Elevated Installation >40', Add	40.84	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	22.28	
26 05 33 13-0824 EA 2" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal.....	253.11	41.25
For Work In Restricted Working Space, Add	24.75	
For Elevated Installation >10' To 15', Add	8.25	
For Elevated Installation >15' To 20', Add	16.50	
For Elevated Installation >20' To 25', Add	20.63	
For Elevated Installation >25' To 30', Add	28.88	
For Elevated Installation >30' To 35', Add	33.00	
For Elevated Installation >35' To 40', Add	41.25	
For Elevated Installation >40', Add	45.38	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.75	
26 05 33 13-0825 EA 2-1/2" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal.....	364.08	49.50
For Work In Restricted Working Space, Add	29.70	
For Elevated Installation >10' To 15', Add	9.90	
For Elevated Installation >15' To 20', Add	19.80	
For Elevated Installation >20' To 25', Add	24.75	
For Elevated Installation >25' To 30', Add	34.65	
For Elevated Installation >30' To 35', Add	39.60	
For Elevated Installation >35' To 40', Add	49.51	
For Elevated Installation >40', Add	54.46	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	29.70	
26 05 33 13-0826 EA 3" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal.....	439.30	57.76
For Work In Restricted Working Space, Add	34.65	
For Elevated Installation >10' To 15', Add	11.55	
For Elevated Installation >15' To 20', Add	23.10	
For Elevated Installation >20' To 25', Add	28.88	
For Elevated Installation >25' To 30', Add	40.43	
For Elevated Installation >30' To 35', Add	46.20	
For Elevated Installation >35' To 40', Add	57.75	
For Elevated Installation >40', Add	63.53	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	34.65	
26 05 33 13-0827 EA 3-1/2" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal.....	1,065.87	66.00
For Work In Restricted Working Space, Add	39.60	
For Elevated Installation >10' To 15', Add	13.20	
For Elevated Installation >15' To 20', Add	26.40	
For Elevated Installation >20' To 25', Add	33.00	
For Elevated Installation >25' To 30', Add	46.20	
For Elevated Installation >30' To 35', Add	52.80	
For Elevated Installation >35' To 40', Add	66.01	
For Elevated Installation >40', Add	72.61	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	39.60	
26 05 33 13-0828 EA 4" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal.....	1,229.31	74.25
For Work In Restricted Working Space, Add	44.55	
For Elevated Installation >10' To 15', Add	14.85	
For Elevated Installation >15' To 20', Add	29.70	
For Elevated Installation >20' To 25', Add	37.13	
For Elevated Installation >25' To 30', Add	51.98	
For Elevated Installation >30' To 35', Add	59.40	
For Elevated Installation >35' To 40', Add	74.26	
For Elevated Installation >40', Add	81.68	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	44.55	

26 05 33 13-0829 Intermediate Metal Conduit (IMC) Threaded Couplings (26 05 33 13-0740)

**26 Electrical**

**26 05 Common Work Results for Electrical**

**26 05 33 Raceway and Boxes for Electrical Systems**



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0830 EA 1/2" Intermediate Metal Conduit (IMC) Threaded Coupling .....	11.52	3.96
For Work In Restricted Working Space, Add	2.97	
For Elevated Installation >10' To 15', Add	0.99	
For Elevated Installation >15' To 20', Add	1.98	
For Elevated Installation >20' To 25', Add	2.47	
For Elevated Installation >25' To 30', Add	3.46	
For Elevated Installation >30' To 35', Add	3.96	
For Elevated Installation >35' To 40', Add	4.95	
For Elevated Installation >40', Add	5.44	
26 05 33 13-0831 EA 3/4" Intermediate Metal Conduit (IMC) Threaded Coupling .....	16.01	5.61
For Work In Restricted Working Space, Add	4.21	
For Elevated Installation >10' To 15', Add	1.40	
For Elevated Installation >15' To 20', Add	2.81	
For Elevated Installation >20' To 25', Add	3.51	
For Elevated Installation >25' To 30', Add	4.91	
For Elevated Installation >30' To 35', Add	5.61	
For Elevated Installation >35' To 40', Add	7.02	
For Elevated Installation >40', Add	7.72	
26 05 33 13-0832 EA 1" Intermediate Metal Conduit (IMC) Threaded Coupling .....	21.09	7.26
For Work In Restricted Working Space, Add	5.44	
For Elevated Installation >10' To 15', Add	1.81	
For Elevated Installation >15' To 20', Add	3.63	
For Elevated Installation >20' To 25', Add	4.54	
For Elevated Installation >25' To 30', Add	6.35	
For Elevated Installation >30' To 35', Add	7.26	
For Elevated Installation >35' To 40', Add	9.07	
For Elevated Installation >40', Add	9.98	
26 05 33 13-0833 EA 1-1/4" Intermediate Metal Conduit (IMC) Threaded Coupling .....	24.31	8.25
For Work In Restricted Working Space, Add	6.19	
For Elevated Installation >10' To 15', Add	2.06	
For Elevated Installation >15' To 20', Add	4.13	
For Elevated Installation >20' To 25', Add	5.16	
For Elevated Installation >25' To 30', Add	7.22	
For Elevated Installation >30' To 35', Add	8.25	
For Elevated Installation >35' To 40', Add	10.32	
For Elevated Installation >40', Add	11.35	
26 05 33 13-0834 EA 1-1/2" Intermediate Metal Conduit (IMC) Threaded Coupling .....	29.38	9.90
For Work In Restricted Working Space, Add	7.42	
For Elevated Installation >10' To 15', Add	2.47	
For Elevated Installation >15' To 20', Add	4.95	
For Elevated Installation >20' To 25', Add	6.18	
For Elevated Installation >25' To 30', Add	8.66	
For Elevated Installation >30' To 35', Add	9.89	
For Elevated Installation >35' To 40', Add	12.37	
For Elevated Installation >40', Add	13.60	
26 05 33 13-0835 EA 2" Intermediate Metal Conduit (IMC) Threaded Coupling .....	34.19	11.22
For Work In Restricted Working Space, Add	8.42	
For Elevated Installation >10' To 15', Add	2.81	
For Elevated Installation >15' To 20', Add	5.61	
For Elevated Installation >20' To 25', Add	7.02	
For Elevated Installation >25' To 30', Add	9.82	
For Elevated Installation >30' To 35', Add	11.23	
For Elevated Installation >35' To 40', Add	14.04	
For Elevated Installation >40', Add	15.44	
26 05 33 13-0836 EA 2-1/2" Intermediate Metal Conduit (IMC) Threaded Coupling .....	44.91	12.54
For Work In Restricted Working Space, Add	9.41	
For Elevated Installation >10' To 15', Add	3.14	
For Elevated Installation >15' To 20', Add	6.27	
For Elevated Installation >20' To 25', Add	7.84	
For Elevated Installation >25' To 30', Add	10.97	
For Elevated Installation >30' To 35', Add	12.54	
For Elevated Installation >35' To 40', Add	15.68	
For Elevated Installation >40', Add	17.24	
26 05 33 13-0837 EA 3" Intermediate Metal Conduit (IMC) Threaded Coupling .....	54.00	14.19
For Work In Restricted Working Space, Add	10.64	
For Elevated Installation >10' To 15', Add	3.55	
For Elevated Installation >15' To 20', Add	7.10	
For Elevated Installation >20' To 25', Add	8.87	
For Elevated Installation >25' To 30', Add	12.42	
For Elevated Installation >30' To 35', Add	14.19	
For Elevated Installation >35' To 40', Add	17.74	
For Elevated Installation >40', Add	19.51	
26 05 33 13-0838 EA 3-1/2" Intermediate Metal Conduit (IMC) Threaded Coupling .....	63.55	15.51
For Work In Restricted Working Space, Add	11.64	
For Elevated Installation >10' To 15', Add	3.88	
For Elevated Installation >15' To 20', Add	7.76	
For Elevated Installation >20' To 25', Add	9.70	
For Elevated Installation >25' To 30', Add	13.58	
For Elevated Installation >30' To 35', Add	15.52	
For Elevated Installation >35' To 40', Add	19.40	
For Elevated Installation >40', Add	21.33	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0839 EA 4" Intermediate Metal Conduit (IMC) Threaded Coupling ..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i>	66.20 12.37 4.12 8.25 10.31 14.43 16.50 20.62 22.68	16.50
<b>26 05 33 13-0840 Intermediate Metal Conduit (IMC) Reducer Bushings</b> <small>(26 05 33 13-0740)</small>		
26 05 33 13-0841 EA 1/2" To 3/4" Intermediate Metal Conduit (IMC) Reducing Bushing ..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i>	5.94 1.24 0.41 0.82 1.03 1.44 1.65 2.06 2.27	1.65
26 05 33 13-0842 EA 3/4" To 1" Intermediate Metal Conduit (IMC) Reducing Bushing ..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i>	6.99 1.24 0.41 0.82 1.03 1.44 1.65 2.06 2.27	1.65
<b>26 05 33 13-0843 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit</b> <small>(26 05 33 13-0059)</small> Note: 40 mil polyvinyl chloride (PVC) coated, 2 mil urethane lined (Ocal Blue, Crouse-Hinds, Appleton or O-Z/Gedney). Used in hazardous locations. Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.		
<b>26 05 33 13-0844 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit</b> <small>(26 05 33 13-0843)</small> Note: Includes field bending for conduit up to 1".		
26 05 33 13-0845 LF 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit..... <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500 To 1,000, Deduct</i> <i>For &gt;1,000, Deduct</i> <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Work In Restricted Working Space, Add</i>	11.45 -0.43 -0.71 -1.00 0.58 1.16 1.45 2.02 2.31 2.89 3.18 1.73	2.31
26 05 33 13-0846 LF 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit..... <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500 To 1,000, Deduct</i> <i>For &gt;1,000, Deduct</i> <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Work In Restricted Working Space, Add</i>	13.17 -0.49 -0.82 -1.15 0.66 1.32 1.65 2.31 2.64 3.30 3.63 1.98	2.64
26 05 33 13-0847 LF 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit..... <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500 To 1,000, Deduct</i> <i>For &gt;1,000, Deduct</i> <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Work In Restricted Working Space, Add</i>	16.76 -0.63 -1.05 -1.47 0.83 1.65 2.06 2.89 3.30 4.13 4.54 2.48	3.30

**26 Electrical**

**26 05 Common Work Results for Electrical**

**26 05 33 Raceway and Boxes for Electrical Systems**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0848	LF	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit.....	20.69	3.96
			<i>For &gt;250 To 500, Deduct</i>	-0.79	
			<i>For &gt;500 To 1,000, Deduct</i>	-1.30	
			<i>For &gt;1,000, Deduct</i>	-1.82	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	0.99	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	1.98	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	2.48	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	3.47	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	3.96	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	4.95	
			<i>For Elevated Installation &gt;40', Add</i>	5.45	
			<i>For Work In Restricted Working Space, Add</i>	2.97	
26 05 33	13-0849	LF	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit.....	25.48	4.95
			<i>For &gt;250 To 500, Deduct</i>	-0.96	
			<i>For &gt;500 To 1,000, Deduct</i>	-1.60	
			<i>For &gt;1,000, Deduct</i>	-2.24	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.24	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	2.47	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	3.09	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	4.33	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	4.95	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	6.19	
			<i>For Elevated Installation &gt;40', Add</i>	6.80	
			<i>For Work In Restricted Working Space, Add</i>	3.71	
26 05 33	13-0850	LF	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit.....	31.94	5.94
			<i>For &gt;250 To 500, Deduct</i>	-1.23	
			<i>For &gt;500 To 1,000, Deduct</i>	-2.02	
			<i>For &gt;1,000, Deduct</i>	-2.82	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.49	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	2.97	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	3.71	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	5.20	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	5.94	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	7.43	
			<i>For Elevated Installation &gt;40', Add</i>	8.17	
			<i>For Work In Restricted Working Space, Add</i>	4.46	
26 05 33	13-0851	LF	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit.....	43.24	6.93
			<i>For &gt;250 To 500, Deduct</i>	-1.73	
			<i>For &gt;500 To 1,000, Deduct</i>	-2.81	
			<i>For &gt;1,000, Deduct</i>	-3.89	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.73	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	3.47	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	4.33	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	6.07	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	6.93	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	8.67	
			<i>For Elevated Installation &gt;40', Add</i>	9.53	
			<i>For Work In Restricted Working Space, Add</i>	5.20	
26 05 33	13-0852	LF	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit.....	54.12	8.58
			<i>For &gt;250 To 500, Deduct</i>	-2.17	
			<i>For &gt;500 To 1,000, Deduct</i>	-3.52	
			<i>For &gt;1,000, Deduct</i>	-4.88	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	2.15	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	4.29	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	5.36	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	7.51	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	8.58	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	10.73	
			<i>For Elevated Installation &gt;40', Add</i>	11.80	
			<i>For Work In Restricted Working Space, Add</i>	6.44	
26 05 33	13-0853	LF	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit.....	66.37	10.56
			<i>For &gt;250 To 500, Deduct</i>	-2.66	
			<i>For &gt;500 To 1,000, Deduct</i>	-4.32	
			<i>For &gt;1,000, Deduct</i>	-5.98	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	2.64	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	5.28	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	6.60	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	9.24	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	10.56	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	13.20	
			<i>For Elevated Installation &gt;40', Add</i>	14.52	
			<i>For Work In Restricted Working Space, Add</i>	7.92	
26 05 33	13-0854	LF	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit.....	78.47	12.54
			<i>For &gt;250 To 500, Deduct</i>	-3.14	
			<i>For &gt;500 To 1,000, Deduct</i>	-5.10	
			<i>For &gt;1,000, Deduct</i>	-7.06	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	3.14	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	6.27	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	7.84	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	10.97	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	12.54	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	15.68	
			<i>For Elevated Installation &gt;40', Add</i>	17.24	
			<i>For Work In Restricted Working Space, Add</i>	9.41	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0855 LF 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit.....	120.63	14.85
For >250 To 500, Deduct	-5.10	
For >500 To 1,000, Deduct	-8.12	
For >1,000, Deduct	-11.13	
For Elevated Installation >10' To 15', Add	3.71	
For Elevated Installation >15' To 20', Add	7.43	
For Elevated Installation >20' To 25', Add	9.28	
For Elevated Installation >25' To 30', Add	13.00	
For Elevated Installation >30' To 35', Add	14.85	
For Elevated Installation >35' To 40', Add	18.57	
For Elevated Installation >40', Add	20.42	
For Work In Restricted Working Space, Add	11.14	
26 05 33 13-0856 LF 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit.....	163.93	19.80
For >250 To 500, Deduct	-6.96	
For >500 To 1,000, Deduct	-11.06	
For >1,000, Deduct	-15.16	
For Elevated Installation >10' To 15', Add	4.95	
For Elevated Installation >15' To 20', Add	9.90	
For Elevated Installation >20' To 25', Add	12.38	
For Elevated Installation >25' To 30', Add	17.33	
For Elevated Installation >30' To 35', Add	19.80	
For Elevated Installation >35' To 40', Add	24.75	
For Elevated Installation >40', Add	27.23	
For Work In Restricted Working Space, Add	14.85	
<b>26 05 33 13-0857 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Couplings <small>(26 05 33 13-0843)</small></b>		
26 05 33 13-0858 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling.....	15.89	4.95
For Elevated Installation >10' To 15', Add	0.99	
For Elevated Installation >15' To 20', Add	1.98	
For Elevated Installation >20' To 25', Add	2.48	
For Elevated Installation >25' To 30', Add	3.47	
For Elevated Installation >30' To 35', Add	3.96	
For Elevated Installation >35' To 40', Add	4.95	
For Elevated Installation >40', Add	5.45	
For Work In Restricted Working Space, Add	2.97	
26 05 33 13-0859 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling.....	20.31	7.01
For Elevated Installation >10' To 15', Add	1.40	
For Elevated Installation >15' To 20', Add	2.81	
For Elevated Installation >20' To 25', Add	3.51	
For Elevated Installation >25' To 30', Add	4.91	
For Elevated Installation >30' To 35', Add	5.61	
For Elevated Installation >35' To 40', Add	7.02	
For Elevated Installation >40', Add	7.72	
For Work In Restricted Working Space, Add	4.21	
26 05 33 13-0860 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling.....	26.29	9.07
For Elevated Installation >10' To 15', Add	1.82	
For Elevated Installation >15' To 20', Add	3.63	
For Elevated Installation >20' To 25', Add	4.54	
For Elevated Installation >25' To 30', Add	6.35	
For Elevated Installation >30' To 35', Add	7.26	
For Elevated Installation >35' To 40', Add	9.08	
For Elevated Installation >40', Add	9.98	
For Work In Restricted Working Space, Add	5.45	
26 05 33 13-0861 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling.....	30.13	10.32
For Elevated Installation >10' To 15', Add	2.06	
For Elevated Installation >15' To 20', Add	4.13	
For Elevated Installation >20' To 25', Add	5.16	
For Elevated Installation >25' To 30', Add	7.22	
For Elevated Installation >30' To 35', Add	8.25	
For Elevated Installation >35' To 40', Add	10.32	
For Elevated Installation >40', Add	11.35	
For Work In Restricted Working Space, Add	6.19	
26 05 33 13-0862 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling.....	36.05	12.37
For Elevated Installation >10' To 15', Add	2.48	
For Elevated Installation >15' To 20', Add	4.95	
For Elevated Installation >20' To 25', Add	6.19	
For Elevated Installation >25' To 30', Add	8.66	
For Elevated Installation >30' To 35', Add	9.90	
For Elevated Installation >35' To 40', Add	12.38	
For Elevated Installation >40', Add	13.61	
For Work In Restricted Working Space, Add	7.43	
26 05 33 13-0863 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling.....	44.59	14.03
For Elevated Installation >10' To 15', Add	2.81	
For Elevated Installation >15' To 20', Add	5.61	
For Elevated Installation >20' To 25', Add	7.02	
For Elevated Installation >25' To 30', Add	9.82	
For Elevated Installation >30' To 35', Add	11.22	
For Elevated Installation >35' To 40', Add	14.03	
For Elevated Installation >40', Add	15.43	
For Work In Restricted Working Space, Add	8.42	

**26 Electrical**

**26 05 Common Work Results for Electrical**

**26 05 33 Raceway and Boxes for Electrical Systems**



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0864	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling.....	72.26	14.03
		<i>For Elevated Installation &gt;10' To 15', Add</i>	3.14	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	6.27	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	7.84	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	10.97	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	12.54	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	15.68	
		<i>For Elevated Installation &gt;40', Add</i>	17.24	
		<i>For Work In Restricted Working Space, Add</i>	9.41	
26 05 33 13-0865	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling .....	85.17	19.39
		<i>For Elevated Installation &gt;10' To 15', Add</i>	3.55	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	7.10	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	8.87	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	12.42	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	14.19	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	17.74	
		<i>For Elevated Installation &gt;40', Add</i>	19.51	
		<i>For Work In Restricted Working Space, Add</i>	10.64	
26 05 33 13-0866	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling.....	102.52	19.39
		<i>For Elevated Installation &gt;10' To 15', Add</i>	3.88	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	7.75	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	9.69	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	13.57	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	15.51	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	19.39	
		<i>For Elevated Installation &gt;40', Add</i>	21.32	
		<i>For Work In Restricted Working Space, Add</i>	11.63	
26 05 33 13-0867	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling .....	115.78	20.63
		<i>For Elevated Installation &gt;10' To 15', Add</i>	4.13	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	8.25	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	10.31	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	14.44	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	16.50	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	20.63	
		<i>For Elevated Installation &gt;40', Add</i>	22.69	
		<i>For Work In Restricted Working Space, Add</i>	12.38	
26 05 33 13-0868	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling .....	292.36	24.75
		<i>For Elevated Installation &gt;10' To 15', Add</i>	4.95	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	9.90	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	12.38	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	17.33	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	19.80	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	24.75	
		<i>For Elevated Installation &gt;40', Add</i>	27.23	
		<i>For Work In Restricted Working Space, Add</i>	14.85	
26 05 33 13-0869	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling .....	329.05	28.88
		<i>For Elevated Installation &gt;10' To 15', Add</i>	5.78	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	11.55	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	14.44	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	20.22	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	23.10	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	28.88	
		<i>For Elevated Installation &gt;40', Add</i>	31.77	
		<i>For Work In Restricted Working Space, Add</i>	17.33	
26 05 33 13-0870		<b>Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbows</b> <small>(26 05 33 13-0843)</small>		
		Note: 90, 45, or 30 degree.		
26 05 33 13-0871	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow .....	47.80	13.41
		<i>For Elevated Installation &gt;10' To 15', Add</i>	2.68	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	5.36	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	6.70	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	9.38	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	10.72	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	13.41	
		<i>For Elevated Installation &gt;40', Add</i>	14.75	
		<i>For Work In Restricted Working Space, Add</i>	8.04	
26 05 33 13-0872	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow .....	55.04	16.63
		<i>For Elevated Installation &gt;10' To 15', Add</i>	3.33	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	6.65	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	8.31	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	11.64	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	13.30	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	16.63	
		<i>For Elevated Installation &gt;40', Add</i>	18.29	
		<i>For Work In Restricted Working Space, Add</i>	9.98	
26 05 33 13-0873	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow .....	65.75	20.38
		<i>For Elevated Installation &gt;10' To 15', Add</i>	4.08	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	8.15	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	10.19	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	14.27	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	16.30	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	20.38	
		<i>For Elevated Installation &gt;40', Add</i>	22.42	
		<i>For Work In Restricted Working Space, Add</i>	12.23	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0874 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow.....	77.90	23.60
For Elevated Installation >10' To 15', Add	4.72	
For Elevated Installation >15' To 20', Add	9.44	
For Elevated Installation >20' To 25', Add	11.80	
For Elevated Installation >25' To 30', Add	16.52	
For Elevated Installation >30' To 35', Add	18.88	
For Elevated Installation >35' To 40', Add	23.60	
For Elevated Installation >40', Add	25.95	
For Work In Restricted Working Space, Add	14.16	
26 05 33 13-0875 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow.....	91.36	26.81
For Elevated Installation >10' To 15', Add	5.36	
For Elevated Installation >15' To 20', Add	10.72	
For Elevated Installation >20' To 25', Add	13.41	
For Elevated Installation >25' To 30', Add	18.77	
For Elevated Installation >30' To 35', Add	21.45	
For Elevated Installation >35' To 40', Add	26.81	
For Elevated Installation >40', Add	29.49	
For Work In Restricted Working Space, Add	16.09	
26 05 33 13-0876 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow.....	111.66	29.49
For Elevated Installation >10' To 15', Add	5.90	
For Elevated Installation >15' To 20', Add	11.80	
For Elevated Installation >20' To 25', Add	14.75	
For Elevated Installation >25' To 30', Add	20.65	
For Elevated Installation >30' To 35', Add	23.60	
For Elevated Installation >35' To 40', Add	29.50	
For Elevated Installation >40', Add	32.44	
For Work In Restricted Working Space, Add	17.70	
26 05 33 13-0877 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow.....	173.23	37.01
For Elevated Installation >10' To 15', Add	7.40	
For Elevated Installation >15' To 20', Add	14.80	
For Elevated Installation >20' To 25', Add	18.50	
For Elevated Installation >25' To 30', Add	25.90	
For Elevated Installation >30' To 35', Add	29.60	
For Elevated Installation >35' To 40', Add	37.00	
For Elevated Installation >40', Add	40.70	
For Work In Restricted Working Space, Add	22.20	
26 05 33 13-0878 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow.....	259.38	50.41
For Elevated Installation >10' To 15', Add	10.08	
For Elevated Installation >15' To 20', Add	20.16	
For Elevated Installation >20' To 25', Add	25.21	
For Elevated Installation >25' To 30', Add	35.29	
For Elevated Installation >30' To 35', Add	40.33	
For Elevated Installation >35' To 40', Add	50.41	
For Elevated Installation >40', Add	55.45	
For Work In Restricted Working Space, Add	30.25	
26 05 33 13-0879 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow.....	321.75	56.84
For Elevated Installation >10' To 15', Add	11.37	
For Elevated Installation >15' To 20', Add	22.74	
For Elevated Installation >20' To 25', Add	28.42	
For Elevated Installation >25' To 30', Add	39.79	
For Elevated Installation >30' To 35', Add	45.48	
For Elevated Installation >35' To 40', Add	56.85	
For Elevated Installation >40', Add	62.53	
For Work In Restricted Working Space, Add	34.11	
26 05 33 13-0880 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow.....	367.94	74.00
For Elevated Installation >10' To 15', Add	14.80	
For Elevated Installation >15' To 20', Add	29.60	
For Elevated Installation >20' To 25', Add	37.00	
For Elevated Installation >25' To 30', Add	51.80	
For Elevated Installation >30' To 35', Add	59.20	
For Elevated Installation >35' To 40', Add	74.01	
For Elevated Installation >40', Add	81.41	
For Work In Restricted Working Space, Add	44.40	
26 05 33 13-0881 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow.....	771.33	120.66
For Elevated Installation >10' To 15', Add	24.13	
For Elevated Installation >15' To 20', Add	48.26	
For Elevated Installation >20' To 25', Add	60.33	
For Elevated Installation >25' To 30', Add	84.46	
For Elevated Installation >30' To 35', Add	96.53	
For Elevated Installation >35' To 40', Add	120.66	
For Elevated Installation >40', Add	132.73	
For Work In Restricted Working Space, Add	72.40	
26 05 33 13-0882 EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow.....	1,214.47	181.26
For Elevated Installation >10' To 15', Add	36.25	
For Elevated Installation >15' To 20', Add	72.51	
For Elevated Installation >20' To 25', Add	90.63	
For Elevated Installation >25' To 30', Add	126.89	
For Elevated Installation >30' To 35', Add	145.01	
For Elevated Installation >35' To 40', Add	181.27	
For Elevated Installation >40', Add	199.39	
For Work In Restricted Working Space, Add	108.76	
26 05 33 13-0883 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbows (26 05 33 13-0843)		

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0884 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow .....	115.22	20.38
For Elevated Installation >10' To 15', Add	4.08	
For Elevated Installation >15' To 20', Add	8.15	
For Elevated Installation >20' To 25', Add	10.19	
For Elevated Installation >25' To 30', Add	14.27	
For Elevated Installation >30' To 35', Add	16.30	
For Elevated Installation >35' To 40', Add	20.38	
For Elevated Installation >40', Add	22.42	
For Work In Restricted Working Space, Add	12.23	
26 05 33 13-0885 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow .....	129.55	23.60
For Elevated Installation >10' To 15', Add	4.72	
For Elevated Installation >15' To 20', Add	9.44	
For Elevated Installation >20' To 25', Add	11.80	
For Elevated Installation >25' To 30', Add	16.52	
For Elevated Installation >30' To 35', Add	18.88	
For Elevated Installation >35' To 40', Add	23.60	
For Elevated Installation >40', Add	25.95	
For Work In Restricted Working Space, Add	14.16	
26 05 33 13-0886 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow .....	147.91	26.81
For Elevated Installation >10' To 15', Add	5.36	
For Elevated Installation >15' To 20', Add	10.72	
For Elevated Installation >20' To 25', Add	13.41	
For Elevated Installation >25' To 30', Add	18.77	
For Elevated Installation >30' To 35', Add	21.45	
For Elevated Installation >35' To 40', Add	26.81	
For Elevated Installation >40', Add	29.49	
For Work In Restricted Working Space, Add	16.09	
26 05 33 13-0887 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow .....	176.91	29.49
For Elevated Installation >10' To 15', Add	5.90	
For Elevated Installation >15' To 20', Add	11.80	
For Elevated Installation >20' To 25', Add	14.75	
For Elevated Installation >25' To 30', Add	20.65	
For Elevated Installation >30' To 35', Add	23.60	
For Elevated Installation >35' To 40', Add	29.50	
For Elevated Installation >40', Add	32.44	
For Work In Restricted Working Space, Add	17.70	
26 05 33 13-0888 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow .....	247.08	37.01
For Elevated Installation >10' To 15', Add	7.40	
For Elevated Installation >15' To 20', Add	14.80	
For Elevated Installation >20' To 25', Add	18.50	
For Elevated Installation >25' To 30', Add	25.90	
For Elevated Installation >30' To 35', Add	29.60	
For Elevated Installation >35' To 40', Add	37.00	
For Elevated Installation >40', Add	40.70	
For Work In Restricted Working Space, Add	22.20	
<b>26 05 33 13-0889 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbows</b> <small>(26 05 33 13-0843)</small>		
26 05 33 13-0890 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow .....	128.60	20.38
For Elevated Installation >10' To 15', Add	4.08	
For Elevated Installation >15' To 20', Add	8.15	
For Elevated Installation >20' To 25', Add	10.19	
For Elevated Installation >25' To 30', Add	14.27	
For Elevated Installation >30' To 35', Add	16.30	
For Elevated Installation >35' To 40', Add	20.38	
For Elevated Installation >40', Add	22.42	
For Work In Restricted Working Space, Add	12.23	
26 05 33 13-0891 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow .....	151.66	23.60
For Elevated Installation >10' To 15', Add	4.72	
For Elevated Installation >15' To 20', Add	9.44	
For Elevated Installation >20' To 25', Add	11.80	
For Elevated Installation >25' To 30', Add	16.52	
For Elevated Installation >30' To 35', Add	18.88	
For Elevated Installation >35' To 40', Add	23.60	
For Elevated Installation >40', Add	25.95	
For Work In Restricted Working Space, Add	14.16	
26 05 33 13-0892 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow .....	163.76	26.81
For Elevated Installation >10' To 15', Add	5.36	
For Elevated Installation >15' To 20', Add	10.72	
For Elevated Installation >20' To 25', Add	13.41	
For Elevated Installation >25' To 30', Add	18.77	
For Elevated Installation >30' To 35', Add	21.45	
For Elevated Installation >35' To 40', Add	26.81	
For Elevated Installation >40', Add	29.49	
For Work In Restricted Working Space, Add	16.09	
26 05 33 13-0893 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow .....	211.47	29.49
For Elevated Installation >10' To 15', Add	5.90	
For Elevated Installation >15' To 20', Add	11.80	
For Elevated Installation >20' To 25', Add	14.75	
For Elevated Installation >25' To 30', Add	20.65	
For Elevated Installation >30' To 35', Add	23.60	
For Elevated Installation >35' To 40', Add	29.50	
For Elevated Installation >40', Add	32.44	
For Work In Restricted Working Space, Add	17.70	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0894 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow.....	280.41	37.01
For Elevated Installation >10' To 15', Add	7.40	
For Elevated Installation >15' To 20', Add	14.80	
For Elevated Installation >20' To 25', Add	18.50	
For Elevated Installation >25' To 30', Add	25.90	
For Elevated Installation >30' To 35', Add	29.60	
For Elevated Installation >35' To 40', Add	37.00	
For Elevated Installation >40', Add	40.70	
For Work In Restricted Working Space, Add	22.20	
26 05 33 13-0895 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow.....	358.23	50.41
For Elevated Installation >10' To 15', Add	10.08	
For Elevated Installation >15' To 20', Add	20.16	
For Elevated Installation >20' To 25', Add	25.21	
For Elevated Installation >25' To 30', Add	35.29	
For Elevated Installation >30' To 35', Add	40.33	
For Elevated Installation >35' To 40', Add	50.41	
For Elevated Installation >40', Add	55.45	
For Work In Restricted Working Space, Add	30.25	
<b>26 05 33 13-0896 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbows <small>(26 05 33 13-0843)</small></b>		
26 05 33 13-0897 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow.....	144.60	20.38
For Elevated Installation >10' To 15', Add	4.08	
For Elevated Installation >15' To 20', Add	8.15	
For Elevated Installation >20' To 25', Add	10.19	
For Elevated Installation >25' To 30', Add	14.27	
For Elevated Installation >30' To 35', Add	16.30	
For Elevated Installation >35' To 40', Add	20.38	
For Elevated Installation >40', Add	22.42	
For Work In Restricted Working Space, Add	12.23	
26 05 33 13-0898 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow.....	163.17	23.60
For Elevated Installation >10' To 15', Add	4.72	
For Elevated Installation >15' To 20', Add	9.44	
For Elevated Installation >20' To 25', Add	11.80	
For Elevated Installation >25' To 30', Add	16.52	
For Elevated Installation >30' To 35', Add	18.88	
For Elevated Installation >35' To 40', Add	23.60	
For Elevated Installation >40', Add	25.95	
For Work In Restricted Working Space, Add	14.16	
26 05 33 13-0899 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow.....	184.09	26.81
For Elevated Installation >10' To 15', Add	5.36	
For Elevated Installation >15' To 20', Add	10.72	
For Elevated Installation >20' To 25', Add	13.41	
For Elevated Installation >25' To 30', Add	18.77	
For Elevated Installation >30' To 35', Add	21.45	
For Elevated Installation >35' To 40', Add	26.81	
For Elevated Installation >40', Add	29.49	
For Work In Restricted Working Space, Add	16.09	
26 05 33 13-0900 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow.....	222.94	29.49
For Elevated Installation >10' To 15', Add	5.90	
For Elevated Installation >15' To 20', Add	11.80	
For Elevated Installation >20' To 25', Add	14.75	
For Elevated Installation >25' To 30', Add	20.65	
For Elevated Installation >30' To 35', Add	23.60	
For Elevated Installation >35' To 40', Add	29.50	
For Elevated Installation >40', Add	32.44	
For Work In Restricted Working Space, Add	17.70	
26 05 33 13-0901 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow.....	318.71	37.01
For Elevated Installation >10' To 15', Add	7.40	
For Elevated Installation >15' To 20', Add	14.80	
For Elevated Installation >20' To 25', Add	18.50	
For Elevated Installation >25' To 30', Add	25.90	
For Elevated Installation >30' To 35', Add	29.60	
For Elevated Installation >35' To 40', Add	37.00	
For Elevated Installation >40', Add	40.70	
For Work In Restricted Working Space, Add	22.20	
26 05 33 13-0902 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow.....	403.19	50.41
For Elevated Installation >10' To 15', Add	10.08	
For Elevated Installation >15' To 20', Add	20.16	
For Elevated Installation >20' To 25', Add	25.21	
For Elevated Installation >25' To 30', Add	35.29	
For Elevated Installation >30' To 35', Add	40.33	
For Elevated Installation >35' To 40', Add	50.41	
For Elevated Installation >40', Add	55.45	
For Work In Restricted Working Space, Add	30.25	
26 05 33 13-0903 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow.....	510.05	56.84
For Elevated Installation >10' To 15', Add	11.37	
For Elevated Installation >15' To 20', Add	22.74	
For Elevated Installation >20' To 25', Add	28.42	
For Elevated Installation >25' To 30', Add	39.79	
For Elevated Installation >30' To 35', Add	45.48	
For Elevated Installation >35' To 40', Add	56.85	
For Elevated Installation >40', Add	62.53	
For Work In Restricted Working Space, Add	34.11	

**26 Electrical**

**26 05 Common Work Results for Electrical**

**26 05 33 Raceway and Boxes for Electrical Systems**



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0904 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow .....	573.09	74.00
For Elevated Installation >10' To 15', Add	14.80	
For Elevated Installation >15' To 20', Add	29.60	
For Elevated Installation >20' To 25', Add	37.00	
For Elevated Installation >25' To 30', Add	51.80	
For Elevated Installation >30' To 35', Add	59.20	
For Elevated Installation >35' To 40', Add	74.01	
For Elevated Installation >40', Add	81.41	
For Work In Restricted Working Space, Add	44.40	
<b>26 05 33 13-0905 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbows (26 05 33 13-0843)</b>		
26 05 33 13-0906 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow .....	172.23	20.38
For Elevated Installation >10' To 15', Add	4.08	
For Elevated Installation >15' To 20', Add	8.15	
For Elevated Installation >20' To 25', Add	10.19	
For Elevated Installation >25' To 30', Add	14.27	
For Elevated Installation >30' To 35', Add	16.30	
For Elevated Installation >35' To 40', Add	20.38	
For Elevated Installation >40', Add	22.42	
For Work In Restricted Working Space, Add	12.23	
26 05 33 13-0907 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow .....	190.19	23.60
For Elevated Installation >10' To 15', Add	4.72	
For Elevated Installation >15' To 20', Add	9.44	
For Elevated Installation >20' To 25', Add	11.80	
For Elevated Installation >25' To 30', Add	16.52	
For Elevated Installation >30' To 35', Add	18.88	
For Elevated Installation >35' To 40', Add	23.60	
For Elevated Installation >40', Add	25.95	
For Work In Restricted Working Space, Add	14.16	
26 05 33 13-0908 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow .....	214.78	26.81
For Elevated Installation >10' To 15', Add	5.36	
For Elevated Installation >15' To 20', Add	10.72	
For Elevated Installation >20' To 25', Add	13.41	
For Elevated Installation >25' To 30', Add	18.77	
For Elevated Installation >30' To 35', Add	21.45	
For Elevated Installation >35' To 40', Add	26.81	
For Elevated Installation >40', Add	29.49	
For Work In Restricted Working Space, Add	16.09	
26 05 33 13-0909 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow .....	267.12	29.49
For Elevated Installation >10' To 15', Add	5.90	
For Elevated Installation >15' To 20', Add	11.80	
For Elevated Installation >20' To 25', Add	14.75	
For Elevated Installation >25' To 30', Add	20.65	
For Elevated Installation >30' To 35', Add	23.60	
For Elevated Installation >35' To 40', Add	29.50	
For Elevated Installation >40', Add	32.44	
For Work In Restricted Working Space, Add	17.70	
26 05 33 13-0910 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow .....	387.25	37.01
For Elevated Installation >10' To 15', Add	7.40	
For Elevated Installation >15' To 20', Add	14.80	
For Elevated Installation >20' To 25', Add	18.50	
For Elevated Installation >25' To 30', Add	25.90	
For Elevated Installation >30' To 35', Add	29.60	
For Elevated Installation >35' To 40', Add	37.00	
For Elevated Installation >40', Add	40.70	
For Work In Restricted Working Space, Add	22.20	
26 05 33 13-0911 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow .....	479.37	50.41
For Elevated Installation >10' To 15', Add	10.08	
For Elevated Installation >15' To 20', Add	20.16	
For Elevated Installation >20' To 25', Add	25.21	
For Elevated Installation >25' To 30', Add	35.29	
For Elevated Installation >30' To 35', Add	40.33	
For Elevated Installation >35' To 40', Add	50.41	
For Elevated Installation >40', Add	55.45	
For Work In Restricted Working Space, Add	30.25	
26 05 33 13-0912 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow .....	556.57	56.84
For Elevated Installation >10' To 15', Add	11.37	
For Elevated Installation >15' To 20', Add	22.74	
For Elevated Installation >20' To 25', Add	28.42	
For Elevated Installation >25' To 30', Add	39.79	
For Elevated Installation >30' To 35', Add	45.48	
For Elevated Installation >35' To 40', Add	56.85	
For Elevated Installation >40', Add	62.53	
For Work In Restricted Working Space, Add	34.11	
26 05 33 13-0913 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow .....	658.48	74.00
For Elevated Installation >10' To 15', Add	14.80	
For Elevated Installation >15' To 20', Add	29.60	
For Elevated Installation >20' To 25', Add	37.00	
For Elevated Installation >25' To 30', Add	51.80	
For Elevated Installation >30' To 35', Add	59.20	
For Elevated Installation >35' To 40', Add	74.01	
For Elevated Installation >40', Add	81.41	
For Work In Restricted Working Space, Add	44.40	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<p><b>26 05 33 13-0914 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbows</b> <small>(26 05 33 13-0843)</small></p>					
26 05 33 13-0915	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow .....	193.73	20.38
			<i>For Elevated Installation &gt;10' To 15', Add</i>	4.08	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	8.15	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	10.19	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	14.27	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	16.30	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	20.38	
			<i>For Elevated Installation &gt;40', Add</i>	22.42	
			<i>For Work In Restricted Working Space, Add</i>	12.23	
26 05 33 13-0916	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow .....	215.35	23.60
			<i>For Elevated Installation &gt;10' To 15', Add</i>	4.72	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	9.44	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	11.80	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	16.52	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	18.88	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	23.60	
			<i>For Elevated Installation &gt;40', Add</i>	25.95	
			<i>For Work In Restricted Working Space, Add</i>	14.16	
26 05 33 13-0917	EA		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow .....	244.98	26.81
			<i>For Elevated Installation &gt;10' To 15', Add</i>	5.36	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	10.72	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	13.41	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	18.77	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	21.45	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	26.81	
			<i>For Elevated Installation &gt;40', Add</i>	29.49	
			<i>For Work In Restricted Working Space, Add</i>	16.09	
26 05 33 13-0918	EA		2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow .....	305.59	29.49
			<i>For Elevated Installation &gt;10' To 15', Add</i>	5.90	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	11.80	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	14.75	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	20.65	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	23.60	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	29.50	
			<i>For Elevated Installation &gt;40', Add</i>	32.44	
			<i>For Work In Restricted Working Space, Add</i>	17.70	
26 05 33 13-0919	EA		2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow .....	424.65	37.01
			<i>For Elevated Installation &gt;10' To 15', Add</i>	7.40	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	14.80	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	18.50	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	25.90	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	29.60	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	37.00	
			<i>For Elevated Installation &gt;40', Add</i>	40.70	
			<i>For Work In Restricted Working Space, Add</i>	22.20	
26 05 33 13-0920	EA		3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow .....	540.30	50.41
			<i>For Elevated Installation &gt;10' To 15', Add</i>	10.08	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	20.16	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	25.21	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	35.29	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	40.33	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	50.41	
			<i>For Elevated Installation &gt;40', Add</i>	55.45	
			<i>For Work In Restricted Working Space, Add</i>	30.25	
26 05 33 13-0921	EA		3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow .....	669.66	56.84
			<i>For Elevated Installation &gt;10' To 15', Add</i>	11.37	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	22.74	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	28.42	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	39.79	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	45.48	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	56.85	
			<i>For Elevated Installation &gt;40', Add</i>	62.53	
			<i>For Work In Restricted Working Space, Add</i>	34.11	
26 05 33 13-0922	EA		4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow .....	736.87	74.00
			<i>For Elevated Installation &gt;10' To 15', Add</i>	14.80	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	29.60	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	37.00	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	51.80	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	59.20	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	74.01	
			<i>For Elevated Installation &gt;40', Add</i>	81.41	
			<i>For Work In Restricted Working Space, Add</i>	44.40	
26 05 33 13-0923	EA		5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow .....	1,228.94	120.66
			<i>For Elevated Installation &gt;10' To 15', Add</i>	24.13	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	48.26	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	60.33	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	84.46	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	96.53	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	120.66	
			<i>For Elevated Installation &gt;40', Add</i>	132.73	
			<i>For Work In Restricted Working Space, Add</i>	72.40	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0924		<b>Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbows</b> <small>(26 05 33 13-0843)</small>		
26 05 33	13-0925	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow ..... 221.84	221.84	20.38
			<i>For Elevated Installation &gt;10' To 15', Add</i>	4.08	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	8.15	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	10.19	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	14.27	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	16.30	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	20.38	
			<i>For Elevated Installation &gt;40', Add</i>	22.42	
			<i>For Work In Restricted Working Space, Add</i>	12.23	
26 05 33	13-0926	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow ..... 245.75	245.75	23.60
			<i>For Elevated Installation &gt;10' To 15', Add</i>	4.72	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	9.44	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	11.80	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	16.52	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	18.88	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	23.60	
			<i>For Elevated Installation &gt;40', Add</i>	25.95	
			<i>For Work In Restricted Working Space, Add</i>	14.16	
26 05 33	13-0927	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow ..... 278.09	278.09	26.81
			<i>For Elevated Installation &gt;10' To 15', Add</i>	5.36	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	10.72	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	13.41	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	18.77	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	21.45	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	26.81	
			<i>For Elevated Installation &gt;40', Add</i>	29.49	
			<i>For Work In Restricted Working Space, Add</i>	16.09	
26 05 33	13-0928	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow ..... 348.25	348.25	29.49
			<i>For Elevated Installation &gt;10' To 15', Add</i>	5.90	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	11.80	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	14.75	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	20.65	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	23.60	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	29.50	
			<i>For Elevated Installation &gt;40', Add</i>	32.44	
			<i>For Work In Restricted Working Space, Add</i>	17.70	
26 05 33	13-0929	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow ..... 486.97	486.97	37.01
			<i>For Elevated Installation &gt;10' To 15', Add</i>	7.40	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	14.80	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	18.50	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	25.90	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	29.60	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	37.00	
			<i>For Elevated Installation &gt;40', Add</i>	40.70	
			<i>For Work In Restricted Working Space, Add</i>	22.20	
26 05 33	13-0930	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow ..... 617.94	617.94	50.41
			<i>For Elevated Installation &gt;10' To 15', Add</i>	10.08	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	20.16	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	25.21	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	35.29	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	40.33	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	50.41	
			<i>For Elevated Installation &gt;40', Add</i>	55.45	
			<i>For Work In Restricted Working Space, Add</i>	30.25	
26 05 33	13-0931	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow ..... 726.33	726.33	56.84
			<i>For Elevated Installation &gt;10' To 15', Add</i>	11.37	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	22.74	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	28.42	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	39.79	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	45.48	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	56.85	
			<i>For Elevated Installation &gt;40', Add</i>	62.53	
			<i>For Work In Restricted Working Space, Add</i>	34.11	
26 05 33	13-0932	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow ..... 838.06	838.06	74.00
			<i>For Elevated Installation &gt;10' To 15', Add</i>	14.80	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	29.60	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	37.00	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	51.80	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	59.20	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	74.01	
			<i>For Elevated Installation &gt;40', Add</i>	81.41	
			<i>For Work In Restricted Working Space, Add</i>	44.40	
26 05 33	13-0933	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow ..... 1,299.86	1,299.86	120.66
			<i>For Elevated Installation &gt;10' To 15', Add</i>	24.13	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	48.26	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	60.33	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	84.46	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	96.53	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	120.66	
			<i>For Elevated Installation &gt;40', Add</i>	132.73	
			<i>For Work In Restricted Working Space, Add</i>	72.40	





	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0934	EA			6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow ..... 1,774.85		181.26
				<i>For Elevated Installation &gt;10' To 15', Add</i>	36.25	
				<i>For Elevated Installation &gt;15' To 20', Add</i>	72.51	
				<i>For Elevated Installation &gt;20' To 25', Add</i>	90.63	
				<i>For Elevated Installation &gt;25' To 30', Add</i>	126.89	
				<i>For Elevated Installation &gt;30' To 35', Add</i>	145.01	
				<i>For Elevated Installation &gt;35' To 40', Add</i>	181.27	
				<i>For Elevated Installation &gt;40', Add</i>	199.39	
				<i>For Work In Restricted Working Space, Add</i>	108.76	
<b>26 05 33 13-0935</b>				<b>Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbows <small>(26 05 33 13-0943)</small></b>		
26 05 33 13-0936	EA			1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow ..... 260.99		20.38
				<i>For Elevated Installation &gt;10' To 15', Add</i>	4.08	
				<i>For Elevated Installation &gt;15' To 20', Add</i>	8.15	
				<i>For Elevated Installation &gt;20' To 25', Add</i>	10.19	
				<i>For Elevated Installation &gt;25' To 30', Add</i>	14.27	
				<i>For Elevated Installation &gt;30' To 35', Add</i>	16.30	
				<i>For Elevated Installation &gt;35' To 40', Add</i>	20.38	
				<i>For Elevated Installation &gt;40', Add</i>	22.42	
				<i>For Work In Restricted Working Space, Add</i>	12.23	
26 05 33 13-0937	EA			1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow ..... 272.84		23.60
				<i>For Elevated Installation &gt;10' To 15', Add</i>	4.72	
				<i>For Elevated Installation &gt;15' To 20', Add</i>	9.44	
				<i>For Elevated Installation &gt;20' To 25', Add</i>	11.80	
				<i>For Elevated Installation &gt;25' To 30', Add</i>	16.52	
				<i>For Elevated Installation &gt;30' To 35', Add</i>	18.88	
				<i>For Elevated Installation &gt;35' To 40', Add</i>	23.60	
				<i>For Elevated Installation &gt;40', Add</i>	25.95	
				<i>For Work In Restricted Working Space, Add</i>	14.16	
26 05 33 13-0938	EA			1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow ..... 322.40		26.81
				<i>For Elevated Installation &gt;10' To 15', Add</i>	5.36	
				<i>For Elevated Installation &gt;15' To 20', Add</i>	10.73	
				<i>For Elevated Installation &gt;20' To 25', Add</i>	13.41	
				<i>For Elevated Installation &gt;25' To 30', Add</i>	18.77	
				<i>For Elevated Installation &gt;30' To 35', Add</i>	21.45	
				<i>For Elevated Installation &gt;35' To 40', Add</i>	26.82	
				<i>For Elevated Installation &gt;40', Add</i>	29.50	
				<i>For Work In Restricted Working Space, Add</i>	16.09	
26 05 33 13-0939	EA			2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow ..... 407.63		29.49
				<i>For Elevated Installation &gt;10' To 15', Add</i>	5.90	
				<i>For Elevated Installation &gt;15' To 20', Add</i>	11.80	
				<i>For Elevated Installation &gt;20' To 25', Add</i>	14.75	
				<i>For Elevated Installation &gt;25' To 30', Add</i>	20.65	
				<i>For Elevated Installation &gt;30' To 35', Add</i>	23.60	
				<i>For Elevated Installation &gt;35' To 40', Add</i>	29.50	
				<i>For Elevated Installation &gt;40', Add</i>	32.44	
				<i>For Work In Restricted Working Space, Add</i>	17.70	
26 05 33 13-0940	EA			2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow ..... 571.01		37.01
				<i>For Elevated Installation &gt;10' To 15', Add</i>	7.40	
				<i>For Elevated Installation &gt;15' To 20', Add</i>	14.80	
				<i>For Elevated Installation &gt;20' To 25', Add</i>	18.50	
				<i>For Elevated Installation &gt;25' To 30', Add</i>	25.90	
				<i>For Elevated Installation &gt;30' To 35', Add</i>	29.60	
				<i>For Elevated Installation &gt;35' To 40', Add</i>	37.01	
				<i>For Elevated Installation &gt;40', Add</i>	40.71	
				<i>For Work In Restricted Working Space, Add</i>	22.20	
26 05 33 13-0941	EA			3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow ..... 722.60		50.41
				<i>For Elevated Installation &gt;10' To 15', Add</i>	10.08	
				<i>For Elevated Installation &gt;15' To 20', Add</i>	20.16	
				<i>For Elevated Installation &gt;20' To 25', Add</i>	25.21	
				<i>For Elevated Installation &gt;25' To 30', Add</i>	35.29	
				<i>For Elevated Installation &gt;30' To 35', Add</i>	40.33	
				<i>For Elevated Installation &gt;35' To 40', Add</i>	50.41	
				<i>For Elevated Installation &gt;40', Add</i>	55.45	
				<i>For Work In Restricted Working Space, Add</i>	30.25	
26 05 33 13-0942	EA			3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow ..... 883.87		56.84
				<i>For Elevated Installation &gt;10' To 15', Add</i>	11.37	
				<i>For Elevated Installation &gt;15' To 20', Add</i>	22.74	
				<i>For Elevated Installation &gt;20' To 25', Add</i>	28.42	
				<i>For Elevated Installation &gt;25' To 30', Add</i>	39.79	
				<i>For Elevated Installation &gt;30' To 35', Add</i>	45.48	
				<i>For Elevated Installation &gt;35' To 40', Add</i>	56.85	
				<i>For Elevated Installation &gt;40', Add</i>	62.53	
				<i>For Work In Restricted Working Space, Add</i>	34.11	
26 05 33 13-0943	EA			4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow ..... 1,034.92		74.00
				<i>For Elevated Installation &gt;10' To 15', Add</i>	14.80	
				<i>For Elevated Installation &gt;15' To 20', Add</i>	29.60	
				<i>For Elevated Installation &gt;20' To 25', Add</i>	37.00	
				<i>For Elevated Installation &gt;25' To 30', Add</i>	51.80	
				<i>For Elevated Installation &gt;30' To 35', Add</i>	59.20	
				<i>For Elevated Installation &gt;35' To 40', Add</i>	74.01	
				<i>For Elevated Installation &gt;40', Add</i>	81.41	
				<i>For Work In Restricted Working Space, Add</i>	44.40	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0944	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow .....	1,531.19	120.66
		<i>For Elevated Installation &gt;10' To 15', Add</i>	24.13	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	48.26	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	60.33	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	84.46	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	96.53	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	120.66	
		<i>For Elevated Installation &gt;40', Add</i>	132.73	
		<i>For Work In Restricted Working Space, Add</i>	72.40	
26 05 33 13-0945	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow .....	1,881.03	181.26
		<i>For Elevated Installation &gt;10' To 15', Add</i>	36.25	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	72.51	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	90.63	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	126.89	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	145.01	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	181.27	
		<i>For Elevated Installation &gt;40', Add</i>	199.39	
		<i>For Work In Restricted Working Space, Add</i>	108.76	
<b>26 05 33 13-0946</b>		<b>Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbows <small>(26 05 33 13-0943)</small></b>		
26 05 33 13-0947	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow .....	270.41	20.38
		<i>For Elevated Installation &gt;10' To 15', Add</i>	4.08	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	8.15	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	10.19	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	14.27	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	16.30	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	20.38	
		<i>For Elevated Installation &gt;40', Add</i>	22.42	
		<i>For Work In Restricted Working Space, Add</i>	12.23	
26 05 33 13-0948	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow .....	318.68	23.60
		<i>For Elevated Installation &gt;10' To 15', Add</i>	4.72	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	9.44	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	11.80	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	16.52	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	18.88	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	23.60	
		<i>For Elevated Installation &gt;40', Add</i>	25.95	
		<i>For Work In Restricted Working Space, Add</i>	14.16	
26 05 33 13-0949	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow .....	360.72	26.81
		<i>For Elevated Installation &gt;10' To 15', Add</i>	5.36	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	10.73	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	13.41	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	18.77	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	21.45	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	26.82	
		<i>For Elevated Installation &gt;40', Add</i>	29.50	
		<i>For Work In Restricted Working Space, Add</i>	16.09	
26 05 33 13-0950	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow .....	425.49	29.49
		<i>For Elevated Installation &gt;10' To 15', Add</i>	5.90	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	11.80	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	14.75	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	20.65	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	23.60	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	29.50	
		<i>For Elevated Installation &gt;40', Add</i>	32.44	
		<i>For Work In Restricted Working Space, Add</i>	17.70	
26 05 33 13-0951	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow .....	592.00	37.01
		<i>For Elevated Installation &gt;10' To 15', Add</i>	7.40	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	14.80	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	18.50	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	25.90	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	29.60	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	37.01	
		<i>For Elevated Installation &gt;40', Add</i>	40.71	
		<i>For Work In Restricted Working Space, Add</i>	22.20	
26 05 33 13-0952	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow .....	754.78	50.41
		<i>For Elevated Installation &gt;10' To 15', Add</i>	10.08	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	20.16	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	25.21	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	35.29	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	40.33	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	50.41	
		<i>For Elevated Installation &gt;40', Add</i>	55.45	
		<i>For Work In Restricted Working Space, Add</i>	30.25	
26 05 33 13-0953	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow .....	969.68	56.84
		<i>For Elevated Installation &gt;10' To 15', Add</i>	11.37	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	22.74	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	28.42	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	39.79	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	45.48	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	56.85	
		<i>For Elevated Installation &gt;40', Add</i>	62.53	
		<i>For Work In Restricted Working Space, Add</i>	34.11	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0954 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow .....	1,079.57	74.00
<i>For Elevated Installation &gt;10' To 15', Add</i>	14.80	
<i>For Elevated Installation &gt;15' To 20', Add</i>	29.60	
<i>For Elevated Installation &gt;20' To 25', Add</i>	37.00	
<i>For Elevated Installation &gt;25' To 30', Add</i>	51.80	
<i>For Elevated Installation &gt;30' To 35', Add</i>	59.20	
<i>For Elevated Installation &gt;35' To 40', Add</i>	74.01	
<i>For Elevated Installation &gt;40', Add</i>	81.41	
<i>For Work In Restricted Working Space, Add</i>	44.40	
26 05 33 13-0955 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow .....	1,593.33	120.66
<i>For Elevated Installation &gt;10' To 15', Add</i>	24.13	
<i>For Elevated Installation &gt;15' To 20', Add</i>	48.26	
<i>For Elevated Installation &gt;20' To 25', Add</i>	60.33	
<i>For Elevated Installation &gt;25' To 30', Add</i>	84.46	
<i>For Elevated Installation &gt;30' To 35', Add</i>	96.53	
<i>For Elevated Installation &gt;35' To 40', Add</i>	120.66	
<i>For Elevated Installation &gt;40', Add</i>	132.73	
<i>For Work In Restricted Working Space, Add</i>	72.40	
26 05 33 13-0956 EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow .....	1,934.99	181.26
<i>For Elevated Installation &gt;10' To 15', Add</i>	36.25	
<i>For Elevated Installation &gt;15' To 20', Add</i>	72.51	
<i>For Elevated Installation &gt;20' To 25', Add</i>	90.63	
<i>For Elevated Installation &gt;25' To 30', Add</i>	126.89	
<i>For Elevated Installation &gt;30' To 35', Add</i>	145.01	
<i>For Elevated Installation &gt;35' To 40', Add</i>	181.27	
<i>For Elevated Installation &gt;40', Add</i>	199.39	
<i>For Work In Restricted Working Space, Add</i>	108.76	
<b>26 05 33 13-0957 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealight Fittings <small>(26 05 33 13-0843)</small></b>		
26 05 33 13-0958 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealight Fitting .....	97.39	13.41
<i>For Elevated Installation &gt;10' To 15', Add</i>	2.68	
<i>For Elevated Installation &gt;15' To 20', Add</i>	5.36	
<i>For Elevated Installation &gt;20' To 25', Add</i>	6.70	
<i>For Elevated Installation &gt;25' To 30', Add</i>	9.38	
<i>For Elevated Installation &gt;30' To 35', Add</i>	10.72	
<i>For Elevated Installation &gt;35' To 40', Add</i>	13.41	
<i>For Elevated Installation &gt;40', Add</i>	14.75	
<i>For Work In Restricted Working Space, Add</i>	8.04	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.04	
26 05 33 13-0959 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealight Fitting .....	118.62	17.70
<i>For Elevated Installation &gt;10' To 15', Add</i>	3.54	
<i>For Elevated Installation &gt;15' To 20', Add</i>	7.08	
<i>For Elevated Installation &gt;20' To 25', Add</i>	8.85	
<i>For Elevated Installation &gt;25' To 30', Add</i>	12.39	
<i>For Elevated Installation &gt;30' To 35', Add</i>	14.16	
<i>For Elevated Installation &gt;35' To 40', Add</i>	17.70	
<i>For Elevated Installation &gt;40', Add</i>	19.46	
<i>For Work In Restricted Working Space, Add</i>	10.62	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.62	
26 05 33 13-0960 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealight Fitting .....	159.62	20.38
<i>For Elevated Installation &gt;10' To 15', Add</i>	4.08	
<i>For Elevated Installation &gt;15' To 20', Add</i>	8.15	
<i>For Elevated Installation &gt;20' To 25', Add</i>	10.19	
<i>For Elevated Installation &gt;25' To 30', Add</i>	14.27	
<i>For Elevated Installation &gt;30' To 35', Add</i>	16.30	
<i>For Elevated Installation &gt;35' To 40', Add</i>	20.38	
<i>For Elevated Installation &gt;40', Add</i>	22.42	
<i>For Work In Restricted Working Space, Add</i>	12.23	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.23	
26 05 33 13-0961 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealight Fitting .....	266.66	23.60
<i>For Elevated Installation &gt;10' To 15', Add</i>	4.72	
<i>For Elevated Installation &gt;15' To 20', Add</i>	9.44	
<i>For Elevated Installation &gt;20' To 25', Add</i>	11.80	
<i>For Elevated Installation &gt;25' To 30', Add</i>	16.52	
<i>For Elevated Installation &gt;30' To 35', Add</i>	18.88	
<i>For Elevated Installation &gt;35' To 40', Add</i>	23.60	
<i>For Elevated Installation &gt;40', Add</i>	25.95	
<i>For Work In Restricted Working Space, Add</i>	14.16	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.16	
26 05 33 13-0962 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealight Fitting .....	294.08	26.81
<i>For Elevated Installation &gt;10' To 15', Add</i>	5.36	
<i>For Elevated Installation &gt;15' To 20', Add</i>	10.72	
<i>For Elevated Installation &gt;20' To 25', Add</i>	13.41	
<i>For Elevated Installation &gt;25' To 30', Add</i>	18.77	
<i>For Elevated Installation &gt;30' To 35', Add</i>	21.45	
<i>For Elevated Installation &gt;35' To 40', Add</i>	26.81	
<i>For Elevated Installation &gt;40', Add</i>	29.49	
<i>For Work In Restricted Working Space, Add</i>	16.09	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.09	

**26 Electrical**

**26 05 Common Work Results for Electrical**

**26 05 33 Raceway and Boxes for Electrical Systems**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0963	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fitting.....	373.60	29.49
			<i>For Elevated Installation &gt;10' To 15', Add</i>	5.90	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	11.80	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	14.75	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	20.65	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	23.60	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	29.50	
			<i>For Elevated Installation &gt;40', Add</i>	32.44	
			<i>For Work In Restricted Working Space, Add</i>	17.70	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.70	
26 05 33	13-0964	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fitting.....	1,037.72	37.01
			<i>For Elevated Installation &gt;10' To 15', Add</i>	7.40	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	14.80	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	18.50	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	25.90	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	29.60	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	37.00	
			<i>For Elevated Installation &gt;40', Add</i>	40.70	
			<i>For Work In Restricted Working Space, Add</i>	22.20	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.20	
26 05 33	13-0965	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fitting.....	1,235.72	50.41
			<i>For Elevated Installation &gt;10' To 15', Add</i>	10.08	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	20.17	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	25.21	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	35.29	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	40.33	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	50.42	
			<i>For Elevated Installation &gt;40', Add</i>	55.46	
			<i>For Work In Restricted Working Space, Add</i>	30.25	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30.25	
26 05 33	13-0966	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fitting.....	1,638.68	74.00
			<i>For Elevated Installation &gt;10' To 15', Add</i>	14.80	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	29.60	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	37.00	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	51.80	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	59.20	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	74.00	
			<i>For Elevated Installation &gt;40', Add</i>	81.40	
			<i>For Work In Restricted Working Space, Add</i>	44.40	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	44.40	
<b>26 05 33 13-0967 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fittings (26 05 33 13-0843)</b>					
26 05 33	13-0968	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fitting.....	93.10	13.41
			<i>For Elevated Installation &gt;10' To 15', Add</i>	2.68	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	5.36	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	6.70	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	9.38	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	10.72	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	13.41	
			<i>For Elevated Installation &gt;40', Add</i>	14.75	
			<i>For Work In Restricted Working Space, Add</i>	8.04	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.04	
26 05 33	13-0969	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fitting.....	113.78	17.70
			<i>For Elevated Installation &gt;10' To 15', Add</i>	3.54	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	7.08	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	8.85	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	12.39	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	14.16	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	17.70	
			<i>For Elevated Installation &gt;40', Add</i>	19.46	
			<i>For Work In Restricted Working Space, Add</i>	10.62	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.62	
26 05 33	13-0970	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fitting.....	159.62	20.38
			<i>For Elevated Installation &gt;10' To 15', Add</i>	4.08	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	8.15	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	10.19	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	14.27	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	16.30	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	20.38	
			<i>For Elevated Installation &gt;40', Add</i>	22.42	
			<i>For Work In Restricted Working Space, Add</i>	12.23	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.23	
26 05 33	13-0971	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fitting.....	264.17	23.60
			<i>For Elevated Installation &gt;10' To 15', Add</i>	4.72	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	9.44	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	11.80	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	16.52	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	18.88	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	23.60	
			<i>For Elevated Installation &gt;40', Add</i>	25.95	
			<i>For Work In Restricted Working Space, Add</i>	14.16	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.16	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0972 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealight Fitting.....	284.03	26.81
<i>For Elevated Installation &gt;10' To 15', Add</i>	5.36	
<i>For Elevated Installation &gt;15' To 20', Add</i>	10.72	
<i>For Elevated Installation &gt;20' To 25', Add</i>	13.41	
<i>For Elevated Installation &gt;25' To 30', Add</i>	18.77	
<i>For Elevated Installation &gt;30' To 35', Add</i>	21.45	
<i>For Elevated Installation &gt;35' To 40', Add</i>	26.81	
<i>For Elevated Installation &gt;40', Add</i>	29.49	
<i>For Work In Restricted Working Space, Add</i>	16.09	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.09	
26 05 33 13-0973 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealight Fitting.....	373.72	29.99
<i>For Elevated Installation &gt;10' To 15', Add</i>	5.90	
<i>For Elevated Installation &gt;15' To 20', Add</i>	11.80	
<i>For Elevated Installation &gt;20' To 25', Add</i>	14.75	
<i>For Elevated Installation &gt;25' To 30', Add</i>	20.65	
<i>For Elevated Installation &gt;30' To 35', Add</i>	23.60	
<i>For Elevated Installation &gt;35' To 40', Add</i>	29.50	
<i>For Elevated Installation &gt;40', Add</i>	32.44	
<i>For Work In Restricted Working Space, Add</i>	17.70	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.70	
26 05 33 13-0974 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealight Fitting.....	994.80	37.01
<i>For Elevated Installation &gt;10' To 15', Add</i>	7.40	
<i>For Elevated Installation &gt;15' To 20', Add</i>	14.80	
<i>For Elevated Installation &gt;20' To 25', Add</i>	18.50	
<i>For Elevated Installation &gt;25' To 30', Add</i>	25.90	
<i>For Elevated Installation &gt;30' To 35', Add</i>	29.60	
<i>For Elevated Installation &gt;35' To 40', Add</i>	37.00	
<i>For Elevated Installation &gt;40', Add</i>	40.70	
<i>For Work In Restricted Working Space, Add</i>	22.20	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.20	
26 05 33 13-0975 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealight Fitting.....	1,204.41	50.41
<i>For Elevated Installation &gt;10' To 15', Add</i>	10.08	
<i>For Elevated Installation &gt;15' To 20', Add</i>	20.17	
<i>For Elevated Installation &gt;20' To 25', Add</i>	25.21	
<i>For Elevated Installation &gt;25' To 30', Add</i>	35.29	
<i>For Elevated Installation &gt;30' To 35', Add</i>	40.33	
<i>For Elevated Installation &gt;35' To 40', Add</i>	50.42	
<i>For Elevated Installation &gt;40', Add</i>	55.46	
<i>For Work In Restricted Working Space, Add</i>	30.25	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30.25	
26 05 33 13-0976 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealight Fitting.....	1,638.61	74.00
<i>For Elevated Installation &gt;10' To 15', Add</i>	14.80	
<i>For Elevated Installation &gt;15' To 20', Add</i>	29.60	
<i>For Elevated Installation &gt;20' To 25', Add</i>	37.00	
<i>For Elevated Installation &gt;25' To 30', Add</i>	51.80	
<i>For Elevated Installation &gt;30' To 35', Add</i>	59.20	
<i>For Elevated Installation &gt;35' To 40', Add</i>	74.00	
<i>For Elevated Installation &gt;40', Add</i>	81.40	
<i>For Work In Restricted Working Space, Add</i>	44.40	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	44.40	
<b>26 05 33 13-0977 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealight Fittings</b> <small>(26 05 33 13-0843)</small>		
26 05 33 13-0978 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealight Fitting.....	83.60	13.41
<i>For Elevated Installation &gt;10' To 15', Add</i>	2.68	
<i>For Elevated Installation &gt;15' To 20', Add</i>	5.36	
<i>For Elevated Installation &gt;20' To 25', Add</i>	6.70	
<i>For Elevated Installation &gt;25' To 30', Add</i>	9.38	
<i>For Elevated Installation &gt;30' To 35', Add</i>	10.72	
<i>For Elevated Installation &gt;35' To 40', Add</i>	13.41	
<i>For Elevated Installation &gt;40', Add</i>	14.75	
<i>For Work In Restricted Working Space, Add</i>	8.04	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.04	
26 05 33 13-0979 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealight Fitting.....	99.35	17.70
<i>For Elevated Installation &gt;10' To 15', Add</i>	3.54	
<i>For Elevated Installation &gt;15' To 20', Add</i>	7.08	
<i>For Elevated Installation &gt;20' To 25', Add</i>	8.85	
<i>For Elevated Installation &gt;25' To 30', Add</i>	12.39	
<i>For Elevated Installation &gt;30' To 35', Add</i>	14.16	
<i>For Elevated Installation &gt;35' To 40', Add</i>	17.70	
<i>For Elevated Installation &gt;40', Add</i>	19.46	
<i>For Work In Restricted Working Space, Add</i>	10.62	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.62	
26 05 33 13-0980 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealight Fitting.....	117.47	20.38
<i>For Elevated Installation &gt;10' To 15', Add</i>	4.08	
<i>For Elevated Installation &gt;15' To 20', Add</i>	8.15	
<i>For Elevated Installation &gt;20' To 25', Add</i>	10.19	
<i>For Elevated Installation &gt;25' To 30', Add</i>	14.27	
<i>For Elevated Installation &gt;30' To 35', Add</i>	16.30	
<i>For Elevated Installation &gt;35' To 40', Add</i>	20.38	
<i>For Elevated Installation &gt;40', Add</i>	22.42	
<i>For Work In Restricted Working Space, Add</i>	12.23	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.23	

**26 Electrical**

**26 05 Common Work Results for Electrical**

**26 05 33 Raceway and Boxes for Electrical Systems**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0981	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fitting ..... 169.32		23.60
			<i>For Elevated Installation &gt;10' To 15', Add</i>	4.72	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	9.44	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	11.80	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	16.52	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	18.88	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	23.60	
			<i>For Elevated Installation &gt;40', Add</i>	25.95	
			<i>For Work In Restricted Working Space, Add</i>	14.16	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.16	
26 05 33 13-0982	EA		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fitting ..... 198.13		26.81
			<i>For Elevated Installation &gt;10' To 15', Add</i>	5.36	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	10.72	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	13.41	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	18.77	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	21.45	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	26.81	
			<i>For Elevated Installation &gt;40', Add</i>	29.49	
			<i>For Work In Restricted Working Space, Add</i>	16.09	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.09	
26 05 33 13-0983	EA		2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fitting ..... 311.65		29.49
			<i>For Elevated Installation &gt;10' To 15', Add</i>	5.90	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	11.80	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	14.75	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	20.65	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	23.60	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	29.50	
			<i>For Elevated Installation &gt;40', Add</i>	32.44	
			<i>For Work In Restricted Working Space, Add</i>	17.70	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.70	
26 05 33 13-0984	EA		2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fitting ..... 875.26		37.01
			<i>For Elevated Installation &gt;10' To 15', Add</i>	7.40	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	14.80	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	18.50	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	25.90	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	29.60	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	37.00	
			<i>For Elevated Installation &gt;40', Add</i>	40.70	
			<i>For Work In Restricted Working Space, Add</i>	22.20	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.20	
26 05 33 13-0985	EA		3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fitting ..... 981.13		50.41
			<i>For Elevated Installation &gt;10' To 15', Add</i>	10.08	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	20.17	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	25.21	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	35.29	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	40.33	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	50.42	
			<i>For Elevated Installation &gt;40', Add</i>	55.46	
			<i>For Work In Restricted Working Space, Add</i>	30.25	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30.25	
26 05 33 13-0986	EA		4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fitting ..... 1,248.47		74.00
			<i>For Elevated Installation &gt;10' To 15', Add</i>	14.80	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	29.60	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	37.00	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	51.80	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	59.20	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	74.00	
			<i>For Elevated Installation &gt;40', Add</i>	81.40	
			<i>For Work In Restricted Working Space, Add</i>	44.40	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	44.40	
26 05 33 13-0987			<b>Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fittings</b> <small>(26 05 33 13-0943)</small>		
26 05 33 13-0988	EA		1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting ..... 147.15		13.41
			<i>For Elevated Installation &gt;10' To 15', Add</i>	2.68	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	5.36	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	6.70	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	9.38	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	10.72	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	13.41	
			<i>For Elevated Installation &gt;40', Add</i>	14.75	
			<i>For Work In Restricted Working Space, Add</i>	8.04	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.04	
26 05 33 13-0989	EA		3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting ..... 222.94		17.70
			<i>For Elevated Installation &gt;10' To 15', Add</i>	3.54	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	7.08	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	8.85	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	12.39	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	14.16	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	17.70	
			<i>For Elevated Installation &gt;40', Add</i>	19.46	
			<i>For Work In Restricted Working Space, Add</i>	10.62	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.62	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0990 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting.....	281.15	20.38
<i>For Elevated Installation &gt;10' To 15', Add</i>	4.08	
<i>For Elevated Installation &gt;15' To 20', Add</i>	8.15	
<i>For Elevated Installation &gt;20' To 25', Add</i>	10.19	
<i>For Elevated Installation &gt;25' To 30', Add</i>	14.27	
<i>For Elevated Installation &gt;30' To 35', Add</i>	16.30	
<i>For Elevated Installation &gt;35' To 40', Add</i>	20.38	
<i>For Elevated Installation &gt;40', Add</i>	22.42	
<i>For Work In Restricted Working Space, Add</i>	12.23	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.23	
26 05 33 13-0991 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting.....	324.50	23.60
<i>For Elevated Installation &gt;10' To 15', Add</i>	4.72	
<i>For Elevated Installation &gt;15' To 20', Add</i>	9.44	
<i>For Elevated Installation &gt;20' To 25', Add</i>	11.80	
<i>For Elevated Installation &gt;25' To 30', Add</i>	16.52	
<i>For Elevated Installation &gt;30' To 35', Add</i>	18.88	
<i>For Elevated Installation &gt;35' To 40', Add</i>	23.60	
<i>For Elevated Installation &gt;40', Add</i>	25.95	
<i>For Work In Restricted Working Space, Add</i>	14.16	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.16	
26 05 33 13-0992 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting.....	368.52	26.81
<i>For Elevated Installation &gt;10' To 15', Add</i>	5.36	
<i>For Elevated Installation &gt;15' To 20', Add</i>	10.72	
<i>For Elevated Installation &gt;20' To 25', Add</i>	13.41	
<i>For Elevated Installation &gt;25' To 30', Add</i>	18.77	
<i>For Elevated Installation &gt;30' To 35', Add</i>	21.45	
<i>For Elevated Installation &gt;35' To 40', Add</i>	26.81	
<i>For Elevated Installation &gt;40', Add</i>	29.49	
<i>For Work In Restricted Working Space, Add</i>	16.09	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.09	
26 05 33 13-0993 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting.....	487.66	29.49
<i>For Elevated Installation &gt;10' To 15', Add</i>	5.90	
<i>For Elevated Installation &gt;15' To 20', Add</i>	11.80	
<i>For Elevated Installation &gt;20' To 25', Add</i>	14.75	
<i>For Elevated Installation &gt;25' To 30', Add</i>	20.65	
<i>For Elevated Installation &gt;30' To 35', Add</i>	23.60	
<i>For Elevated Installation &gt;35' To 40', Add</i>	29.50	
<i>For Elevated Installation &gt;40', Add</i>	32.44	
<i>For Work In Restricted Working Space, Add</i>	17.70	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.70	
26 05 33 13-0994 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting.....	1,560.24	37.01
<i>For Elevated Installation &gt;10' To 15', Add</i>	7.40	
<i>For Elevated Installation &gt;15' To 20', Add</i>	14.80	
<i>For Elevated Installation &gt;20' To 25', Add</i>	18.50	
<i>For Elevated Installation &gt;25' To 30', Add</i>	25.90	
<i>For Elevated Installation &gt;30' To 35', Add</i>	29.60	
<i>For Elevated Installation &gt;35' To 40', Add</i>	37.00	
<i>For Elevated Installation &gt;40', Add</i>	40.70	
<i>For Work In Restricted Working Space, Add</i>	22.20	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.20	
26 05 33 13-0995 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting.....	1,818.47	50.41
<i>For Elevated Installation &gt;10' To 15', Add</i>	10.08	
<i>For Elevated Installation &gt;15' To 20', Add</i>	20.17	
<i>For Elevated Installation &gt;20' To 25', Add</i>	25.21	
<i>For Elevated Installation &gt;25' To 30', Add</i>	35.29	
<i>For Elevated Installation &gt;30' To 35', Add</i>	40.33	
<i>For Elevated Installation &gt;35' To 40', Add</i>	50.42	
<i>For Elevated Installation &gt;40', Add</i>	55.46	
<i>For Work In Restricted Working Space, Add</i>	30.25	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30.25	
26 05 33 13-0996 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting.....	2,230.30	74.00
<i>For Elevated Installation &gt;10' To 15', Add</i>	14.80	
<i>For Elevated Installation &gt;15' To 20', Add</i>	29.60	
<i>For Elevated Installation &gt;20' To 25', Add</i>	37.00	
<i>For Elevated Installation &gt;25' To 30', Add</i>	51.80	
<i>For Elevated Installation &gt;30' To 35', Add</i>	59.20	
<i>For Elevated Installation &gt;35' To 40', Add</i>	74.00	
<i>For Elevated Installation &gt;40', Add</i>	81.40	
<i>For Work In Restricted Working Space, Add</i>	44.40	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	44.40	

26 05 33 13-0997 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fittings (26 05 33 13-0843)

**26 Electrical**  
**26 05 Common Work Results for Electrical**  
**26 05 33 Raceway and Boxes for Electrical Systems**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0998	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fitting.....	164.02	13.41
			<i>For Elevated Installation &gt;10' To 15', Add</i>	2.68	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	5.36	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	6.70	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	9.38	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	10.72	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	13.41	
			<i>For Elevated Installation &gt;40', Add</i>	14.75	
			<i>For Work In Restricted Working Space, Add</i>	8.04	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.04	
26 05 33	13-0999	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fitting.....	238.87	17.70
			<i>For Elevated Installation &gt;10' To 15', Add</i>	3.54	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	7.08	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	8.85	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	12.39	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	14.16	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	17.70	
			<i>For Elevated Installation &gt;40', Add</i>	19.46	
			<i>For Work In Restricted Working Space, Add</i>	10.62	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.62	
26 05 33	13-1000	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fitting.....	284.18	20.38
			<i>For Elevated Installation &gt;10' To 15', Add</i>	4.08	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	8.15	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	10.19	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	14.27	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	16.30	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	20.38	
			<i>For Elevated Installation &gt;40', Add</i>	22.42	
			<i>For Work In Restricted Working Space, Add</i>	12.23	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.23	
26 05 33	13-1001	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fitting.....	329.49	23.60
			<i>For Elevated Installation &gt;10' To 15', Add</i>	4.72	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	9.44	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	11.80	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	16.52	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	18.88	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	23.60	
			<i>For Elevated Installation &gt;40', Add</i>	25.95	
			<i>For Work In Restricted Working Space, Add</i>	14.16	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.16	
26 05 33	13-1002	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fitting.....	382.21	26.81
			<i>For Elevated Installation &gt;10' To 15', Add</i>	5.36	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	10.72	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	13.41	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	18.77	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	21.45	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	26.81	
			<i>For Elevated Installation &gt;40', Add</i>	29.49	
			<i>For Work In Restricted Working Space, Add</i>	16.09	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.09	
26 05 33	13-1003	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fitting.....	608.03	29.49
			<i>For Elevated Installation &gt;10' To 15', Add</i>	5.90	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	11.80	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	14.75	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	20.65	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	23.60	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	29.50	
			<i>For Elevated Installation &gt;40', Add</i>	32.44	
			<i>For Work In Restricted Working Space, Add</i>	17.70	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.70	
26 05 33	13-1004	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fitting.....	1,741.86	37.01
			<i>For Elevated Installation &gt;10' To 15', Add</i>	7.40	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	14.80	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	18.50	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	25.90	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	29.60	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	37.00	
			<i>For Elevated Installation &gt;40', Add</i>	40.70	
			<i>For Work In Restricted Working Space, Add</i>	22.20	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.20	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1005 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fitting.....	2,452.54	50.41
<i>For Elevated Installation &gt;10' To 15', Add</i>	10.08	
<i>For Elevated Installation &gt;15' To 20', Add</i>	20.17	
<i>For Elevated Installation &gt;20' To 25', Add</i>	25.21	
<i>For Elevated Installation &gt;25' To 30', Add</i>	35.29	
<i>For Elevated Installation &gt;30' To 35', Add</i>	40.33	
<i>For Elevated Installation &gt;35' To 40', Add</i>	50.42	
<i>For Elevated Installation &gt;40', Add</i>	55.46	
<i>For Work In Restricted Working Space, Add</i>	30.25	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30.25	
26 05 33 13-1006 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fitting.....	2,551.29	74.00
<i>For Elevated Installation &gt;10' To 15', Add</i>	14.80	
<i>For Elevated Installation &gt;15' To 20', Add</i>	29.60	
<i>For Elevated Installation &gt;20' To 25', Add</i>	37.00	
<i>For Elevated Installation &gt;25' To 30', Add</i>	51.80	
<i>For Elevated Installation &gt;30' To 35', Add</i>	59.20	
<i>For Elevated Installation &gt;35' To 40', Add</i>	74.00	
<i>For Elevated Installation &gt;40', Add</i>	81.40	
<i>For Work In Restricted Working Space, Add</i>	44.40	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	44.40	
<b>26 05 33 13-1007 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fittings</b> <small>(26 05 33 13-0843)</small>		
26 05 33 13-1008 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting.....	128.56	13.41
<i>For Elevated Installation &gt;10' To 15', Add</i>	2.68	
<i>For Elevated Installation &gt;15' To 20', Add</i>	5.36	
<i>For Elevated Installation &gt;20' To 25', Add</i>	6.70	
<i>For Elevated Installation &gt;25' To 30', Add</i>	9.38	
<i>For Elevated Installation &gt;30' To 35', Add</i>	10.72	
<i>For Elevated Installation &gt;35' To 40', Add</i>	13.41	
<i>For Elevated Installation &gt;40', Add</i>	14.75	
<i>For Work In Restricted Working Space, Add</i>	8.04	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.04	
26 05 33 13-1009 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting.....	161.86	17.70
<i>For Elevated Installation &gt;10' To 15', Add</i>	3.54	
<i>For Elevated Installation &gt;15' To 20', Add</i>	7.08	
<i>For Elevated Installation &gt;20' To 25', Add</i>	8.85	
<i>For Elevated Installation &gt;25' To 30', Add</i>	12.39	
<i>For Elevated Installation &gt;30' To 35', Add</i>	14.16	
<i>For Elevated Installation &gt;35' To 40', Add</i>	17.70	
<i>For Elevated Installation &gt;40', Add</i>	19.46	
<i>For Work In Restricted Working Space, Add</i>	10.62	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.62	
26 05 33 13-1010 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting.....	194.31	20.38
<i>For Elevated Installation &gt;10' To 15', Add</i>	4.08	
<i>For Elevated Installation &gt;15' To 20', Add</i>	8.15	
<i>For Elevated Installation &gt;20' To 25', Add</i>	10.19	
<i>For Elevated Installation &gt;25' To 30', Add</i>	14.27	
<i>For Elevated Installation &gt;30' To 35', Add</i>	16.30	
<i>For Elevated Installation &gt;35' To 40', Add</i>	20.38	
<i>For Elevated Installation &gt;40', Add</i>	22.42	
<i>For Work In Restricted Working Space, Add</i>	12.23	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.23	
26 05 33 13-1011 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting.....	214.84	23.60
<i>For Elevated Installation &gt;10' To 15', Add</i>	4.72	
<i>For Elevated Installation &gt;15' To 20', Add</i>	9.44	
<i>For Elevated Installation &gt;20' To 25', Add</i>	11.80	
<i>For Elevated Installation &gt;25' To 30', Add</i>	16.52	
<i>For Elevated Installation &gt;30' To 35', Add</i>	18.88	
<i>For Elevated Installation &gt;35' To 40', Add</i>	23.60	
<i>For Elevated Installation &gt;40', Add</i>	25.95	
<i>For Work In Restricted Working Space, Add</i>	14.16	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.16	
26 05 33 13-1012 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting.....	291.56	26.81
<i>For Elevated Installation &gt;10' To 15', Add</i>	5.36	
<i>For Elevated Installation &gt;15' To 20', Add</i>	10.72	
<i>For Elevated Installation &gt;20' To 25', Add</i>	13.41	
<i>For Elevated Installation &gt;25' To 30', Add</i>	18.77	
<i>For Elevated Installation &gt;30' To 35', Add</i>	21.45	
<i>For Elevated Installation &gt;35' To 40', Add</i>	26.81	
<i>For Elevated Installation &gt;40', Add</i>	29.49	
<i>For Work In Restricted Working Space, Add</i>	16.09	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.09	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

26 05 33 13-1013	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting	415.92	29.49
		<i>For Elevated Installation &gt;10' To 15', Add</i>	5.90	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	11.80	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	14.75	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	20.65	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	23.60	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	29.50	
		<i>For Elevated Installation &gt;40', Add</i>	32.44	
		<i>For Work In Restricted Working Space, Add</i>	17.70	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.70	
26 05 33 13-1014	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting	1,409.82	37.01
		<i>For Elevated Installation &gt;10' To 15', Add</i>	7.40	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	14.80	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	18.50	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	25.90	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	29.60	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	37.00	
		<i>For Elevated Installation &gt;40', Add</i>	40.70	
		<i>For Work In Restricted Working Space, Add</i>	22.20	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.20	
26 05 33 13-1015	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting	1,583.27	50.41
		<i>For Elevated Installation &gt;10' To 15', Add</i>	10.08	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	20.17	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	25.21	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	35.29	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	40.33	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	50.42	
		<i>For Elevated Installation &gt;40', Add</i>	55.46	
		<i>For Work In Restricted Working Space, Add</i>	30.25	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30.25	
26 05 33 13-1016	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting	1,875.17	74.00
		<i>For Elevated Installation &gt;10' To 15', Add</i>	14.80	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	29.60	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	37.00	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	51.80	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	59.20	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	74.00	
		<i>For Elevated Installation &gt;40', Add</i>	81.40	
		<i>For Work In Restricted Working Space, Add</i>	44.40	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	44.40	
26 05 33 13-1017		Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover <small>(26 05 33 13-0843)</small>		
		Note: Suitable for use in hazardous locations. Class I, Div 2.		
26 05 33 13-1018	EA	1/2" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	110.27	25.74
		<i>For Elevated Installation &gt;10' To 15', Add</i>	5.15	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	10.30	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	12.87	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	18.02	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	20.60	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	25.75	
		<i>For Elevated Installation &gt;40', Add</i>	28.32	
		<i>For Work In Restricted Working Space, Add</i>	15.45	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.45	
26 05 33 13-1019	EA	3/4" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	124.17	29.49
		<i>For Elevated Installation &gt;10' To 15', Add</i>	5.90	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	11.80	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	14.75	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	20.65	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	23.60	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	29.50	
		<i>For Elevated Installation &gt;40', Add</i>	32.44	
		<i>For Work In Restricted Working Space, Add</i>	17.70	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.70	
26 05 33 13-1020	EA	1" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	154.78	33.79
		<i>For Elevated Installation &gt;10' To 15', Add</i>	6.76	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	13.51	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	16.89	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	23.65	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	27.03	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	33.79	
		<i>For Elevated Installation &gt;40', Add</i>	37.16	
		<i>For Work In Restricted Working Space, Add</i>	20.27	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.27	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1021 EA 1-1/4" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover.....	204.89	39.14
<i>For Elevated Installation &gt;10' To 15', Add</i>	7.83	
<i>For Elevated Installation &gt;15' To 20', Add</i>	15.66	
<i>For Elevated Installation &gt;20' To 25', Add</i>	19.58	
<i>For Elevated Installation &gt;25' To 30', Add</i>	27.41	
<i>For Elevated Installation &gt;30' To 35', Add</i>	31.32	
<i>For Elevated Installation &gt;35' To 40', Add</i>	39.15	
<i>For Elevated Installation &gt;40', Add</i>	43.07	
<i>For Work In Restricted Working Space, Add</i>	23.49	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.49	
26 05 33 13-1022 EA 1-1/2" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover.....	240.39	42.91
<i>For Elevated Installation &gt;10' To 15', Add</i>	8.58	
<i>For Elevated Installation &gt;15' To 20', Add</i>	17.16	
<i>For Elevated Installation &gt;20' To 25', Add</i>	21.45	
<i>For Elevated Installation &gt;25' To 30', Add</i>	30.03	
<i>For Elevated Installation &gt;30' To 35', Add</i>	34.32	
<i>For Elevated Installation &gt;35' To 40', Add</i>	42.90	
<i>For Elevated Installation &gt;40', Add</i>	47.19	
<i>For Work In Restricted Working Space, Add</i>	25.74	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.74	
26 05 33 13-1023 EA 2" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover.....	330.88	51.49
<i>For Elevated Installation &gt;10' To 15', Add</i>	10.30	
<i>For Elevated Installation &gt;15' To 20', Add</i>	20.59	
<i>For Elevated Installation &gt;20' To 25', Add</i>	25.74	
<i>For Elevated Installation &gt;25' To 30', Add</i>	36.04	
<i>For Elevated Installation &gt;30' To 35', Add</i>	41.19	
<i>For Elevated Installation &gt;35' To 40', Add</i>	51.49	
<i>For Elevated Installation &gt;40', Add</i>	56.63	
<i>For Work In Restricted Working Space, Add</i>	30.89	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30.89	
26 05 33 13-1024 EA 2-1/2" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover.....	563.05	72.40
<i>For Elevated Installation &gt;10' To 15', Add</i>	14.48	
<i>For Elevated Installation &gt;15' To 20', Add</i>	28.96	
<i>For Elevated Installation &gt;20' To 25', Add</i>	36.20	
<i>For Elevated Installation &gt;25' To 30', Add</i>	50.68	
<i>For Elevated Installation &gt;30' To 35', Add</i>	57.92	
<i>For Elevated Installation &gt;35' To 40', Add</i>	72.40	
<i>For Elevated Installation &gt;40', Add</i>	79.64	
<i>For Work In Restricted Working Space, Add</i>	43.44	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	43.44	
26 05 33 13-1025 EA 3" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover.....	719.20	96.53
<i>For Elevated Installation &gt;10' To 15', Add</i>	19.31	
<i>For Elevated Installation &gt;15' To 20', Add</i>	38.61	
<i>For Elevated Installation &gt;20' To 25', Add</i>	48.27	
<i>For Elevated Installation &gt;25' To 30', Add</i>	67.57	
<i>For Elevated Installation &gt;30' To 35', Add</i>	77.23	
<i>For Elevated Installation &gt;35' To 40', Add</i>	96.54	
<i>For Elevated Installation &gt;40', Add</i>	106.19	
<i>For Work In Restricted Working Space, Add</i>	57.92	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	57.92	
26 05 33 13-1026 EA 3-1/2" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover.....	1,005.74	120.66
<i>For Elevated Installation &gt;10' To 15', Add</i>	24.13	
<i>For Elevated Installation &gt;15' To 20', Add</i>	48.26	
<i>For Elevated Installation &gt;20' To 25', Add</i>	60.33	
<i>For Elevated Installation &gt;25' To 30', Add</i>	84.46	
<i>For Elevated Installation &gt;30' To 35', Add</i>	96.53	
<i>For Elevated Installation &gt;35' To 40', Add</i>	120.66	
<i>For Elevated Installation &gt;40', Add</i>	132.73	
<i>For Work In Restricted Working Space, Add</i>	72.40	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	72.40	
26 05 33 13-1027 EA 4" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover.....	1,150.74	146.94
<i>For Elevated Installation &gt;10' To 15', Add</i>	29.39	
<i>For Elevated Installation &gt;15' To 20', Add</i>	58.78	
<i>For Elevated Installation &gt;20' To 25', Add</i>	73.47	
<i>For Elevated Installation &gt;25' To 30', Add</i>	102.86	
<i>For Elevated Installation &gt;30' To 35', Add</i>	117.55	
<i>For Elevated Installation &gt;35' To 40', Add</i>	146.94	
<i>For Elevated Installation &gt;40', Add</i>	161.63	
<i>For Work In Restricted Working Space, Add</i>	88.16	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	88.16	

26 05 33 13-1028 Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover (26 05 33 13-0843)

Note: Suitable for use in hazardous locations. Class I, Div 2.

**26 Electrical**  
**26 05 Common Work Results for Electrical**  
**26 05 33 Raceway and Boxes for Electrical Systems**



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1029	EA	1/2" Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover ..... <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	143.99 6.76 13.51 16.89 23.65 27.03 33.79 37.16 20.27 20.27	33.79
26 05 33 13-1030	EA	3/4" Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover ..... <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	164.57 7.51 15.02 18.77 26.28 30.03 37.54 41.29 22.52 22.52	37.54
26 05 33 13-1031	EA	1" Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover ..... <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	203.12 8.26 16.52 20.65 28.90 33.03 41.29 45.42 24.77 24.77	41.29
26 05 33 13-1032	EA	1-1/4" Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover ..... <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	277.01 9.44 18.88 23.60 33.03 37.75 47.19 51.91 28.31 28.31	47.19
26 05 33 13-1033	EA	1-1/2" Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover ..... <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	329.35 10.30 20.59 25.74 36.04 41.19 51.49 56.63 30.89 30.89	51.49
26 05 33 13-1034	EA	2" Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover ..... <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	451.74 12.66 25.31 31.64 44.30 50.62 63.28 69.61 37.97 37.97	63.28
26 05 33 13-1035		<b>Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover</b> <small>(26 05 33 13-0843)</small> Note: Suitable for use in hazardous locations. Class I, Div 2.		
26 05 33 13-1036	EA	1/2" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover ..... <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	126.83 5.90 11.80 14.75 20.65 23.60 29.50 32.44 17.70 17.70	29.49
26 05 33 13-1037	EA	3/4" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover ..... <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	144.41 6.86 13.73 17.16 24.02 27.46 34.32 37.75 20.59 20.59	34.32



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1038 EA 1" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover.....	176.59	37.54
For Elevated Installation >10' To 15', Add	7.51	
For Elevated Installation >15' To 20', Add	15.02	
For Elevated Installation >20' To 25', Add	18.77	
For Elevated Installation >25' To 30', Add	26.28	
For Elevated Installation >30' To 35', Add	30.03	
For Elevated Installation >35' To 40', Add	37.54	
For Elevated Installation >40', Add	41.29	
For Work In Restricted Working Space, Add	22.52	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	22.52	
26 05 33 13-1039 EA 1-1/4" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover.....	228.71	42.91
For Elevated Installation >10' To 15', Add	8.58	
For Elevated Installation >15' To 20', Add	17.16	
For Elevated Installation >20' To 25', Add	21.45	
For Elevated Installation >25' To 30', Add	30.03	
For Elevated Installation >30' To 35', Add	34.32	
For Elevated Installation >35' To 40', Add	42.90	
For Elevated Installation >40', Add	47.19	
For Work In Restricted Working Space, Add	25.74	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.74	
26 05 33 13-1040 EA 1-1/2" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover.....	272.85	47.19
For Elevated Installation >10' To 15', Add	9.44	
For Elevated Installation >15' To 20', Add	18.88	
For Elevated Installation >20' To 25', Add	23.60	
For Elevated Installation >25' To 30', Add	33.04	
For Elevated Installation >30' To 35', Add	37.76	
For Elevated Installation >35' To 40', Add	47.20	
For Elevated Installation >40', Add	51.91	
For Work In Restricted Working Space, Add	28.32	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	28.32	
26 05 33 13-1041 EA 2" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover.....	369.63	55.24
For Elevated Installation >10' To 15', Add	11.05	
For Elevated Installation >15' To 20', Add	22.10	
For Elevated Installation >20' To 25', Add	27.62	
For Elevated Installation >25' To 30', Add	38.67	
For Elevated Installation >30' To 35', Add	44.19	
For Elevated Installation >35' To 40', Add	55.24	
For Elevated Installation >40', Add	60.76	
For Work In Restricted Working Space, Add	33.14	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	33.14	
26 05 33 13-1042 EA 2-1/2" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover.....	598.65	80.44
For Elevated Installation >10' To 15', Add	16.09	
For Elevated Installation >15' To 20', Add	32.18	
For Elevated Installation >20' To 25', Add	40.22	
For Elevated Installation >25' To 30', Add	56.31	
For Elevated Installation >30' To 35', Add	64.36	
For Elevated Installation >35' To 40', Add	80.45	
For Elevated Installation >40', Add	88.49	
For Work In Restricted Working Space, Add	48.27	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	48.27	
26 05 33 13-1043 EA 3" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover.....	793.30	104.58
For Elevated Installation >10' To 15', Add	20.91	
For Elevated Installation >15' To 20', Add	41.83	
For Elevated Installation >20' To 25', Add	52.29	
For Elevated Installation >25' To 30', Add	73.20	
For Elevated Installation >30' To 35', Add	83.66	
For Elevated Installation >35' To 40', Add	104.57	
For Elevated Installation >40', Add	115.03	
For Work In Restricted Working Space, Add	62.74	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	62.74	
26 05 33 13-1044 EA 3-1/2" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover.....	1,097.04	128.71
For Elevated Installation >10' To 15', Add	25.74	
For Elevated Installation >15' To 20', Add	51.48	
For Elevated Installation >20' To 25', Add	64.35	
For Elevated Installation >25' To 30', Add	90.09	
For Elevated Installation >30' To 35', Add	102.96	
For Elevated Installation >35' To 40', Add	128.71	
For Elevated Installation >40', Add	141.58	
For Work In Restricted Working Space, Add	77.22	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	77.22	
26 05 33 13-1045 EA 4" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover.....	1,220.86	154.99
For Elevated Installation >10' To 15', Add	31.00	
For Elevated Installation >15' To 20', Add	62.00	
For Elevated Installation >20' To 25', Add	77.50	
For Elevated Installation >25' To 30', Add	108.49	
For Elevated Installation >30' To 35', Add	123.99	
For Elevated Installation >35' To 40', Add	154.99	
For Elevated Installation >40', Add	170.49	
For Work In Restricted Working Space, Add	92.99	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	92.99	

**26 Electrical**

**26 05 Common Work Results for Electrical**

**26 05 33 Raceway and Boxes for Electrical Systems**



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-1046		<b>Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined</b> <small>(26 05 33 13-0843)</small>		
26 05 33	13-1047	EA	1/2" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined.....	27.27	3.22
			<i>For Elevated Installation &gt;10' To 15', Add</i>	0.64	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	1.29	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	1.61	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	2.25	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	2.57	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	3.22	
			<i>For Elevated Installation &gt;40', Add</i>	3.54	
			<i>For Work In Restricted Working Space, Add</i>	1.93	
26 05 33	13-1048	EA	3/4" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined.....	30.54	3.75
			<i>For Elevated Installation &gt;10' To 15', Add</i>	0.75	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	1.50	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	1.88	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	2.63	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	3.00	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	3.76	
			<i>For Elevated Installation &gt;40', Add</i>	4.13	
			<i>For Work In Restricted Working Space, Add</i>	2.25	
26 05 33	13-1049	EA	1" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined .....	39.85	4.83
			<i>For Elevated Installation &gt;10' To 15', Add</i>	0.97	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	1.93	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	2.41	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	3.38	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	3.86	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	4.83	
			<i>For Elevated Installation &gt;40', Add</i>	5.31	
			<i>For Work In Restricted Working Space, Add</i>	2.90	
26 05 33	13-1050	EA	1-1/4" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined .....	51.40	5.90
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.18	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	2.36	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	2.95	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	4.13	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	4.72	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	5.90	
			<i>For Elevated Installation &gt;40', Add</i>	6.49	
			<i>For Work In Restricted Working Space, Add</i>	3.54	
26 05 33	13-1051	EA	1-1/2" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined .....	57.38	6.97
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.40	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	2.79	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	3.49	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	4.88	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	5.58	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	6.98	
			<i>For Elevated Installation &gt;40', Add</i>	7.67	
			<i>For Work In Restricted Working Space, Add</i>	4.19	
26 05 33	13-1052	EA	2" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined .....	71.29	8.05
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.61	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	3.22	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	4.02	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	5.63	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	6.43	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	8.04	
			<i>For Elevated Installation &gt;40', Add</i>	8.84	
			<i>For Work In Restricted Working Space, Add</i>	4.82	
26 05 33	13-1053	EA	2-1/2" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined .....	92.88	9.12
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.82	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	3.65	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	4.56	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	6.38	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	7.29	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	9.12	
			<i>For Elevated Installation &gt;40', Add</i>	10.03	
			<i>For Work In Restricted Working Space, Add</i>	5.47	
26 05 33	13-1054	EA	3" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined .....	100.39	12.87
			<i>For Elevated Installation &gt;10' To 15', Add</i>	2.57	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	5.15	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	6.44	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	9.01	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	10.30	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	12.87	
			<i>For Elevated Installation &gt;40', Add</i>	14.16	
			<i>For Work In Restricted Working Space, Add</i>	7.72	
26 05 33	13-1055	EA	3-1/2" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined .....	122.57	14.48
			<i>For Elevated Installation &gt;10' To 15', Add</i>	2.90	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	5.79	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	7.24	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	10.14	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	11.58	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	14.48	
			<i>For Elevated Installation &gt;40', Add</i>	15.93	
			<i>For Work In Restricted Working Space, Add</i>	8.69	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1056 EA 4" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined .....	130.07	18.23
<i>For Elevated Installation &gt;10' To 15', Add</i>	3.65	
<i>For Elevated Installation &gt;15' To 20', Add</i>	7.29	
<i>For Elevated Installation &gt;20' To 25', Add</i>	9.12	
<i>For Elevated Installation &gt;25' To 30', Add</i>	12.76	
<i>For Elevated Installation &gt;30' To 35', Add</i>	14.58	
<i>For Elevated Installation &gt;35' To 40', Add</i>	18.23	
<i>For Elevated Installation &gt;40', Add</i>	20.05	
<i>For Work In Restricted Working Space, Add</i>	10.94	
26 05 33 13-1057 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Bodies <small>(26 05 33 13-0843)</small>		
26 05 33 13-1058 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body.....	126.07	25.74
<i>For Elevated Installation &gt;10' To 15', Add</i>	5.15	
<i>For Elevated Installation &gt;15' To 20', Add</i>	10.30	
<i>For Elevated Installation &gt;20' To 25', Add</i>	12.87	
<i>For Elevated Installation &gt;25' To 30', Add</i>	18.02	
<i>For Elevated Installation &gt;30' To 35', Add</i>	20.60	
<i>For Elevated Installation &gt;35' To 40', Add</i>	25.75	
<i>For Elevated Installation &gt;40', Add</i>	28.32	
<i>For Work In Restricted Working Space, Add</i>	15.45	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.45	
26 05 33 13-1059 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body.....	139.19	29.49
<i>For Elevated Installation &gt;10' To 15', Add</i>	5.90	
<i>For Elevated Installation &gt;15' To 20', Add</i>	11.80	
<i>For Elevated Installation &gt;20' To 25', Add</i>	14.75	
<i>For Elevated Installation &gt;25' To 30', Add</i>	20.65	
<i>For Elevated Installation &gt;30' To 35', Add</i>	23.60	
<i>For Elevated Installation &gt;35' To 40', Add</i>	29.50	
<i>For Elevated Installation &gt;40', Add</i>	32.44	
<i>For Work In Restricted Working Space, Add</i>	17.70	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.70	
26 05 33 13-1060 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body.....	162.85	33.79
<i>For Elevated Installation &gt;10' To 15', Add</i>	6.76	
<i>For Elevated Installation &gt;15' To 20', Add</i>	13.51	
<i>For Elevated Installation &gt;20' To 25', Add</i>	16.89	
<i>For Elevated Installation &gt;25' To 30', Add</i>	23.65	
<i>For Elevated Installation &gt;30' To 35', Add</i>	27.03	
<i>For Elevated Installation &gt;35' To 40', Add</i>	33.79	
<i>For Elevated Installation &gt;40', Add</i>	37.16	
<i>For Work In Restricted Working Space, Add</i>	20.27	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.27	
26 05 33 13-1061 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body .....	193.70	39.14
<i>For Elevated Installation &gt;10' To 15', Add</i>	7.83	
<i>For Elevated Installation &gt;15' To 20', Add</i>	15.66	
<i>For Elevated Installation &gt;20' To 25', Add</i>	19.58	
<i>For Elevated Installation &gt;25' To 30', Add</i>	27.41	
<i>For Elevated Installation &gt;30' To 35', Add</i>	31.32	
<i>For Elevated Installation &gt;35' To 40', Add</i>	39.15	
<i>For Elevated Installation &gt;40', Add</i>	43.07	
<i>For Work In Restricted Working Space, Add</i>	23.49	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.49	
26 05 33 13-1062 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body .....	243.54	42.91
<i>For Elevated Installation &gt;10' To 15', Add</i>	8.58	
<i>For Elevated Installation &gt;15' To 20', Add</i>	17.16	
<i>For Elevated Installation &gt;20' To 25', Add</i>	21.45	
<i>For Elevated Installation &gt;25' To 30', Add</i>	30.03	
<i>For Elevated Installation &gt;30' To 35', Add</i>	34.32	
<i>For Elevated Installation &gt;35' To 40', Add</i>	42.90	
<i>For Elevated Installation &gt;40', Add</i>	47.19	
<i>For Work In Restricted Working Space, Add</i>	25.74	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.74	
26 05 33 13-1063 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body.....	295.37	51.49
<i>For Elevated Installation &gt;10' To 15', Add</i>	10.30	
<i>For Elevated Installation &gt;15' To 20', Add</i>	20.59	
<i>For Elevated Installation &gt;20' To 25', Add</i>	25.74	
<i>For Elevated Installation &gt;25' To 30', Add</i>	36.04	
<i>For Elevated Installation &gt;30' To 35', Add</i>	41.19	
<i>For Elevated Installation &gt;35' To 40', Add</i>	51.49	
<i>For Elevated Installation &gt;40', Add</i>	56.63	
<i>For Work In Restricted Working Space, Add</i>	30.89	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30.89	
26 05 33 13-1064 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body .....	428.64	72.40
<i>For Elevated Installation &gt;10' To 15', Add</i>	14.48	
<i>For Elevated Installation &gt;15' To 20', Add</i>	28.96	
<i>For Elevated Installation &gt;20' To 25', Add</i>	36.20	
<i>For Elevated Installation &gt;25' To 30', Add</i>	50.68	
<i>For Elevated Installation &gt;30' To 35', Add</i>	57.92	
<i>For Elevated Installation &gt;35' To 40', Add</i>	72.40	
<i>For Elevated Installation &gt;40', Add</i>	79.63	
<i>For Work In Restricted Working Space, Add</i>	43.44	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	43.44	

**26 Electrical**

**26 05 Common Work Results for Electrical**

**26 05 33 Raceway and Boxes for Electrical Systems**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-1065	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body.....	548.07	96.53
			<i>For Elevated Installation &gt;10' To 15', Add</i>	19.31	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	38.61	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	48.27	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	67.57	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	77.22	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	96.53	
			<i>For Elevated Installation &gt;40', Add</i>	106.18	
			<i>For Work In Restricted Working Space, Add</i>	57.92	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	57.92	
26 05 33	13-1066	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body .....	1,126.92	120.66
			<i>For Elevated Installation &gt;10' To 15', Add</i>	24.13	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	48.26	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	60.33	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	84.46	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	96.53	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	120.66	
			<i>For Elevated Installation &gt;40', Add</i>	132.73	
			<i>For Work In Restricted Working Space, Add</i>	72.40	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	72.40	
26 05 33	13-1067	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body.....	1,662.84	146.94
			<i>For Elevated Installation &gt;10' To 15', Add</i>	29.39	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	58.78	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	73.47	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	102.86	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	117.55	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	146.94	
			<i>For Elevated Installation &gt;40', Add</i>	161.63	
			<i>For Work In Restricted Working Space, Add</i>	88.16	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	88.16	
<b>26 05 33 13-1068 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Bodies <small>(26 05 33 13-0843)</small></b>					
26 05 33	13-1069	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body.....	223.14	25.74
			<i>For Elevated Installation &gt;10' To 15', Add</i>	5.15	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	10.30	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	12.87	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	18.02	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	20.60	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	25.75	
			<i>For Elevated Installation &gt;40', Add</i>	28.32	
			<i>For Work In Restricted Working Space, Add</i>	15.45	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.45	
26 05 33	13-1070	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body.....	239.56	29.49
			<i>For Elevated Installation &gt;10' To 15', Add</i>	5.90	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	11.80	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	14.75	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	20.65	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	23.60	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	29.50	
			<i>For Elevated Installation &gt;40', Add</i>	32.44	
			<i>For Work In Restricted Working Space, Add</i>	17.70	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.70	
26 05 33	13-1071	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body.....	273.52	33.79
			<i>For Elevated Installation &gt;10' To 15', Add</i>	6.76	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	13.51	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	16.89	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	23.65	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	27.03	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	33.79	
			<i>For Elevated Installation &gt;40', Add</i>	37.16	
			<i>For Work In Restricted Working Space, Add</i>	20.27	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.27	
26 05 33	13-1072	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body .....	305.63	39.14
			<i>For Elevated Installation &gt;10' To 15', Add</i>	7.83	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	15.66	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	19.58	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	27.41	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	31.32	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	39.15	
			<i>For Elevated Installation &gt;40', Add</i>	43.07	
			<i>For Work In Restricted Working Space, Add</i>	23.49	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.49	
26 05 33	13-1073	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body .....	372.39	42.91
			<i>For Elevated Installation &gt;10' To 15', Add</i>	8.58	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	17.16	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	21.45	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	30.03	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	34.32	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	42.90	
			<i>For Elevated Installation &gt;40', Add</i>	47.19	
			<i>For Work In Restricted Working Space, Add</i>	25.74	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.74	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1074 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body ..... <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	417.94 10.30 20.59 25.74 36.04 41.19 51.49 56.63 30.89 30.89	51.49
26 05 33 13-1075 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body ..... <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	588.00 14.48 28.96 36.20 50.68 57.92 72.40 79.63 43.44 43.44	72.40
26 05 33 13-1076 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body ..... <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	820.99 19.31 38.61 48.27 67.57 77.22 96.53 106.18 57.92 57.92	96.53
26 05 33 13-1077 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body ..... <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,206.18 24.13 48.26 60.33 84.46 96.53 120.66 132.73 72.40 72.40	120.66
26 05 33 13-1078 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body ..... <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,766.55 29.39 58.78 73.47 102.86 117.55 146.94 161.63 88.16 88.16	146.94
<b>26 05 33 13-1079 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Bodies</b> <small>(26 05 33 13-0843)</small>		
26 05 33 13-1080 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body ..... <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	176.41 5.15 10.30 12.87 18.02 20.60 25.75 28.32 15.45 15.45	25.74
26 05 33 13-1081 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body ..... <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	187.23 5.90 11.80 14.75 20.65 23.60 29.50 32.44 17.70 17.70	29.49
26 05 33 13-1082 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body ..... <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	215.15 6.76 13.51 16.89 23.65 27.03 33.79 37.16 20.27 20.27	33.79

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-1083	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body	239.43	39.14
			<i>For Elevated Installation &gt;10' To 15', Add</i>	7.83	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	15.66	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	19.58	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	27.41	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	31.32	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	39.15	
			<i>For Elevated Installation &gt;40', Add</i>	43.07	
			<i>For Work In Restricted Working Space, Add</i>	23.49	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.49	
26 05 33	13-1084	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body	333.85	42.91
			<i>For Elevated Installation &gt;10' To 15', Add</i>	8.58	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	17.16	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	21.45	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	30.03	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	34.32	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	42.90	
			<i>For Elevated Installation &gt;40', Add</i>	47.19	
			<i>For Work In Restricted Working Space, Add</i>	25.74	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.74	
26 05 33	13-1085	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body	420.27	51.49
			<i>For Elevated Installation &gt;10' To 15', Add</i>	10.30	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	20.59	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	25.74	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	36.04	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	41.19	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	51.49	
			<i>For Elevated Installation &gt;40', Add</i>	56.63	
			<i>For Work In Restricted Working Space, Add</i>	30.89	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30.89	
26 05 33	13-1086	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body	655.77	72.40
			<i>For Elevated Installation &gt;10' To 15', Add</i>	14.48	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	28.96	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	36.20	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	50.68	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	57.92	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	72.40	
			<i>For Elevated Installation &gt;40', Add</i>	79.63	
			<i>For Work In Restricted Working Space, Add</i>	43.44	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	43.44	
26 05 33	13-1087	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body	958.88	96.53
			<i>For Elevated Installation &gt;10' To 15', Add</i>	19.31	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	38.61	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	48.27	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	67.57	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	77.22	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	96.53	
			<i>For Elevated Installation &gt;40', Add</i>	106.18	
			<i>For Work In Restricted Working Space, Add</i>	57.92	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	57.92	
26 05 33	13-1088	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body	1,206.18	120.66
			<i>For Elevated Installation &gt;10' To 15', Add</i>	24.13	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	48.26	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	60.33	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	84.46	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	96.53	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	120.66	
			<i>For Elevated Installation &gt;40', Add</i>	132.73	
			<i>For Work In Restricted Working Space, Add</i>	72.40	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	72.40	
26 05 33	13-1089		<b>Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Bodies</b> <small>(26 05 33 13-0843)</small>		
26 05 33	13-1090	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Body	236.86	25.74
			<i>For Elevated Installation &gt;10' To 15', Add</i>	5.15	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	10.30	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	12.87	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	18.02	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	20.60	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	25.75	
			<i>For Elevated Installation &gt;40', Add</i>	28.32	
			<i>For Work In Restricted Working Space, Add</i>	15.45	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.45	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1091 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Body.....	262.44	29.49
For Elevated Installation >10' To 15', Add	5.90	
For Elevated Installation >15' To 20', Add	11.80	
For Elevated Installation >20' To 25', Add	14.75	
For Elevated Installation >25' To 30', Add	20.65	
For Elevated Installation >30' To 35', Add	23.60	
For Elevated Installation >35' To 40', Add	29.50	
For Elevated Installation >40', Add	32.44	
For Work In Restricted Working Space, Add	17.70	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.70	
26 05 33 13-1092 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Body.....	326.46	33.79
For Elevated Installation >10' To 15', Add	6.76	
For Elevated Installation >15' To 20', Add	13.51	
For Elevated Installation >20' To 25', Add	16.89	
For Elevated Installation >25' To 30', Add	23.65	
For Elevated Installation >30' To 35', Add	27.03	
For Elevated Installation >35' To 40', Add	33.79	
For Elevated Installation >40', Add	37.16	
For Work In Restricted Working Space, Add	20.27	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.27	
26 05 33 13-1093 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Body .....	403.52	39.14
For Elevated Installation >10' To 15', Add	7.83	
For Elevated Installation >15' To 20', Add	15.66	
For Elevated Installation >20' To 25', Add	19.58	
For Elevated Installation >25' To 30', Add	27.41	
For Elevated Installation >30' To 35', Add	31.32	
For Elevated Installation >35' To 40', Add	39.15	
For Elevated Installation >40', Add	43.07	
For Work In Restricted Working Space, Add	23.49	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.49	
26 05 33 13-1094 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Body .....	565.69	42.91
For Elevated Installation >10' To 15', Add	8.58	
For Elevated Installation >15' To 20', Add	17.16	
For Elevated Installation >20' To 25', Add	21.45	
For Elevated Installation >25' To 30', Add	30.03	
For Elevated Installation >30' To 35', Add	34.32	
For Elevated Installation >35' To 40', Add	42.90	
For Elevated Installation >40', Add	47.19	
For Work In Restricted Working Space, Add	25.74	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.74	
26 05 33 13-1095 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Body.....	677.94	51.49
For Elevated Installation >10' To 15', Add	10.30	
For Elevated Installation >15' To 20', Add	20.59	
For Elevated Installation >20' To 25', Add	25.74	
For Elevated Installation >25' To 30', Add	36.04	
For Elevated Installation >30' To 35', Add	41.19	
For Elevated Installation >35' To 40', Add	51.49	
For Elevated Installation >40', Add	56.63	
For Work In Restricted Working Space, Add	30.89	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	30.89	
<b>26 05 33 13-1096 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Couplings</b> <small>(26 05 33 13-0843)</small>		
26 05 33 13-1097 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling .....	43.34	10.32
For Elevated Installation >10' To 15', Add	2.06	
For Elevated Installation >15' To 20', Add	4.13	
For Elevated Installation >20' To 25', Add	5.16	
For Elevated Installation >25' To 30', Add	7.22	
For Elevated Installation >30' To 35', Add	8.25	
For Elevated Installation >35' To 40', Add	10.32	
For Elevated Installation >40', Add	11.35	
For Work In Restricted Working Space, Add	6.19	
26 05 33 13-1098 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling .....	58.03	12.37
For Elevated Installation >10' To 15', Add	2.48	
For Elevated Installation >15' To 20', Add	4.95	
For Elevated Installation >20' To 25', Add	6.19	
For Elevated Installation >25' To 30', Add	8.66	
For Elevated Installation >30' To 35', Add	9.90	
For Elevated Installation >35' To 40', Add	12.38	
For Elevated Installation >40', Add	13.61	
For Work In Restricted Working Space, Add	7.43	
26 05 33 13-1099 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling .....	73.40	16.50
For Elevated Installation >10' To 15', Add	3.30	
For Elevated Installation >15' To 20', Add	6.60	
For Elevated Installation >20' To 25', Add	8.25	
For Elevated Installation >25' To 30', Add	11.55	
For Elevated Installation >30' To 35', Add	13.20	
For Elevated Installation >35' To 40', Add	16.50	
For Elevated Installation >40', Add	18.15	
For Work In Restricted Working Space, Add	9.90	

**26 Electrical**

**26 05 Common Work Results for Electrical**

**26 05 33 Raceway and Boxes for Electrical Systems**



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1100 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling.....	101.89	20.63
For Elevated Installation >10' To 15', Add	4.13	
For Elevated Installation >15' To 20', Add	8.25	
For Elevated Installation >20' To 25', Add	10.31	
For Elevated Installation >25' To 30', Add	14.44	
For Elevated Installation >30' To 35', Add	16.50	
For Elevated Installation >35' To 40', Add	20.63	
For Elevated Installation >40', Add	22.69	
For Work In Restricted Working Space, Add	12.38	
26 05 33 13-1101 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling.....	134.70	24.75
For Elevated Installation >10' To 15', Add	4.95	
For Elevated Installation >15' To 20', Add	9.90	
For Elevated Installation >20' To 25', Add	12.38	
For Elevated Installation >25' To 30', Add	17.33	
For Elevated Installation >30' To 35', Add	19.80	
For Elevated Installation >35' To 40', Add	24.75	
For Elevated Installation >40', Add	27.23	
For Work In Restricted Working Space, Add	14.85	
26 05 33 13-1102 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling.....	237.90	28.88
For Elevated Installation >10' To 15', Add	5.78	
For Elevated Installation >15' To 20', Add	11.55	
For Elevated Installation >20' To 25', Add	14.44	
For Elevated Installation >25' To 30', Add	20.22	
For Elevated Installation >30' To 35', Add	23.10	
For Elevated Installation >35' To 40', Add	28.88	
For Elevated Installation >40', Add	31.77	
For Work In Restricted Working Space, Add	17.33	
26 05 33 13-1103 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling.....	349.61	33.00
For Elevated Installation >10' To 15', Add	6.60	
For Elevated Installation >15' To 20', Add	13.20	
For Elevated Installation >20' To 25', Add	16.50	
For Elevated Installation >25' To 30', Add	23.10	
For Elevated Installation >30' To 35', Add	26.40	
For Elevated Installation >35' To 40', Add	33.00	
For Elevated Installation >40', Add	36.30	
For Work In Restricted Working Space, Add	19.80	
26 05 33 13-1104 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling.....	437.94	37.13
For Elevated Installation >10' To 15', Add	7.43	
For Elevated Installation >15' To 20', Add	14.85	
For Elevated Installation >20' To 25', Add	18.56	
For Elevated Installation >25' To 30', Add	25.99	
For Elevated Installation >30' To 35', Add	29.70	
For Elevated Installation >35' To 40', Add	37.13	
For Elevated Installation >40', Add	40.84	
For Work In Restricted Working Space, Add	22.28	
26 05 33 13-1105 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling.....	613.25	43.32
For Elevated Installation >10' To 15', Add	8.66	
For Elevated Installation >15' To 20', Add	17.33	
For Elevated Installation >20' To 25', Add	21.66	
For Elevated Installation >25' To 30', Add	30.32	
For Elevated Installation >30' To 35', Add	34.65	
For Elevated Installation >35' To 40', Add	43.32	
For Elevated Installation >40', Add	47.65	
For Work In Restricted Working Space, Add	25.99	
26 05 33 13-1106 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling.....	745.94	49.50
For Elevated Installation >10' To 15', Add	9.90	
For Elevated Installation >15' To 20', Add	19.80	
For Elevated Installation >20' To 25', Add	24.75	
For Elevated Installation >25' To 30', Add	34.65	
For Elevated Installation >30' To 35', Add	39.60	
For Elevated Installation >35' To 40', Add	49.51	
For Elevated Installation >40', Add	54.46	
For Work In Restricted Working Space, Add	29.70	
26 05 33 13-1107 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling.....	1,194.25	78.38
For Elevated Installation >10' To 15', Add	15.68	
For Elevated Installation >15' To 20', Add	31.35	
For Elevated Installation >20' To 25', Add	39.19	
For Elevated Installation >25' To 30', Add	54.86	
For Elevated Installation >30' To 35', Add	62.70	
For Elevated Installation >35' To 40', Add	78.38	
For Elevated Installation >40', Add	86.21	
For Work In Restricted Working Space, Add	47.03	
26 05 33 13-1108 EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling.....	1,627.08	119.63
For Elevated Installation >10' To 15', Add	23.93	
For Elevated Installation >15' To 20', Add	47.85	
For Elevated Installation >20' To 25', Add	59.82	
For Elevated Installation >25' To 30', Add	83.74	
For Elevated Installation >30' To 35', Add	95.71	
For Elevated Installation >35' To 40', Add	119.64	
For Elevated Installation >40', Add	131.60	
For Work In Restricted Working Space, Add	71.78	

26 05 33 13-1109 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbows (26 05 33 13-0843)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1110 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow.....	165.75	25.74
For Elevated Installation >10' To 15', Add	5.15	
For Elevated Installation >15' To 20', Add	10.30	
For Elevated Installation >20' To 25', Add	12.87	
For Elevated Installation >25' To 30', Add	18.02	
For Elevated Installation >30' To 35', Add	20.60	
For Elevated Installation >35' To 40', Add	25.75	
For Elevated Installation >40', Add	28.32	
For Work In Restricted Working Space, Add	15.45	
26 05 33 13-1111 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow.....	196.81	28.43
For Elevated Installation >10' To 15', Add	5.68	
For Elevated Installation >15' To 20', Add	11.37	
For Elevated Installation >20' To 25', Add	14.21	
For Elevated Installation >25' To 30', Add	19.89	
For Elevated Installation >30' To 35', Add	22.74	
For Elevated Installation >35' To 40', Add	28.42	
For Elevated Installation >40', Add	31.26	
For Work In Restricted Working Space, Add	17.05	
26 05 33 13-1112 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow.....	216.12	33.79
For Elevated Installation >10' To 15', Add	6.76	
For Elevated Installation >15' To 20', Add	13.51	
For Elevated Installation >20' To 25', Add	16.89	
For Elevated Installation >25' To 30', Add	23.65	
For Elevated Installation >30' To 35', Add	27.03	
For Elevated Installation >35' To 40', Add	33.79	
For Elevated Installation >40', Add	37.16	
For Work In Restricted Working Space, Add	20.27	
26 05 33 13-1113 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow .....	314.69	39.14
For Elevated Installation >10' To 15', Add	7.83	
For Elevated Installation >15' To 20', Add	15.66	
For Elevated Installation >20' To 25', Add	19.58	
For Elevated Installation >25' To 30', Add	27.41	
For Elevated Installation >30' To 35', Add	31.32	
For Elevated Installation >35' To 40', Add	39.15	
For Elevated Installation >40', Add	43.07	
For Work In Restricted Working Space, Add	23.49	
26 05 33 13-1114 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow .....	418.90	42.91
For Elevated Installation >10' To 15', Add	8.58	
For Elevated Installation >15' To 20', Add	17.16	
For Elevated Installation >20' To 25', Add	21.45	
For Elevated Installation >25' To 30', Add	30.03	
For Elevated Installation >30' To 35', Add	34.32	
For Elevated Installation >35' To 40', Add	42.90	
For Elevated Installation >40', Add	47.19	
For Work In Restricted Working Space, Add	25.74	
26 05 33 13-1115 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow.....	449.91	51.49
For Elevated Installation >10' To 15', Add	10.30	
For Elevated Installation >15' To 20', Add	20.59	
For Elevated Installation >20' To 25', Add	25.74	
For Elevated Installation >25' To 30', Add	36.04	
For Elevated Installation >30' To 35', Add	41.19	
For Elevated Installation >35' To 40', Add	51.49	
For Elevated Installation >40', Add	56.63	
For Work In Restricted Working Space, Add	30.89	
26 05 33 13-1116 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow .....	1,084.59	71.32
For Elevated Installation >10' To 15', Add	14.27	
For Elevated Installation >15' To 20', Add	28.53	
For Elevated Installation >20' To 25', Add	35.67	
For Elevated Installation >25' To 30', Add	49.93	
For Elevated Installation >30' To 35', Add	57.06	
For Elevated Installation >35' To 40', Add	71.33	
For Elevated Installation >40', Add	78.46	
For Work In Restricted Working Space, Add	42.80	
26 05 33 13-1117 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow.....	1,135.22	96.53
For Elevated Installation >10' To 15', Add	19.31	
For Elevated Installation >15' To 20', Add	38.61	
For Elevated Installation >20' To 25', Add	48.27	
For Elevated Installation >25' To 30', Add	67.57	
For Elevated Installation >30' To 35', Add	77.23	
For Elevated Installation >35' To 40', Add	96.54	
For Elevated Installation >40', Add	106.19	
For Work In Restricted Working Space, Add	57.92	
26 05 33 13-1118 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow .....	1,873.29	120.66
For Elevated Installation >10' To 15', Add	24.13	
For Elevated Installation >15' To 20', Add	48.27	
For Elevated Installation >20' To 25', Add	60.33	
For Elevated Installation >25' To 30', Add	84.47	
For Elevated Installation >30' To 35', Add	96.53	
For Elevated Installation >35' To 40', Add	120.67	
For Elevated Installation >40', Add	132.73	
For Work In Restricted Working Space, Add	72.40	

**26 Electrical**

**26 05 Common Work Results for Electrical**

**26 05 33 Raceway and Boxes for Electrical Systems**



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1119 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow.....	1,941.69	146.94
For Elevated Installation >10' To 15', Add	29.39	
For Elevated Installation >15' To 20', Add	58.78	
For Elevated Installation >20' To 25', Add	73.48	
For Elevated Installation >25' To 30', Add	102.87	
For Elevated Installation >30' To 35', Add	117.56	
For Elevated Installation >35' To 40', Add	146.95	
For Elevated Installation >40', Add	161.65	
For Work In Restricted Working Space, Add	88.17	
<b>26 05 33 13-1120 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbows (26 05 33 13-0843)</b>		
26 05 33 13-1121 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow.....	247.07	25.74
For Elevated Installation >10' To 15', Add	5.15	
For Elevated Installation >15' To 20', Add	10.30	
For Elevated Installation >20' To 25', Add	12.87	
For Elevated Installation >25' To 30', Add	18.02	
For Elevated Installation >30' To 35', Add	20.60	
For Elevated Installation >35' To 40', Add	25.75	
For Elevated Installation >40', Add	28.32	
For Work In Restricted Working Space, Add	15.45	
26 05 33 13-1122 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow.....	281.37	29.49
For Elevated Installation >10' To 15', Add	5.90	
For Elevated Installation >15' To 20', Add	11.80	
For Elevated Installation >20' To 25', Add	14.75	
For Elevated Installation >25' To 30', Add	20.65	
For Elevated Installation >30' To 35', Add	23.60	
For Elevated Installation >35' To 40', Add	29.50	
For Elevated Installation >40', Add	32.44	
For Work In Restricted Working Space, Add	17.70	
26 05 33 13-1123 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow.....	565.95	33.79
For Elevated Installation >10' To 15', Add	6.76	
For Elevated Installation >15' To 20', Add	13.51	
For Elevated Installation >20' To 25', Add	16.89	
For Elevated Installation >25' To 30', Add	23.65	
For Elevated Installation >30' To 35', Add	27.03	
For Elevated Installation >35' To 40', Add	33.79	
For Elevated Installation >40', Add	37.16	
For Work In Restricted Working Space, Add	20.27	
26 05 33 13-1124 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow.....	592.07	39.14
For Elevated Installation >10' To 15', Add	7.83	
For Elevated Installation >15' To 20', Add	15.66	
For Elevated Installation >20' To 25', Add	19.58	
For Elevated Installation >25' To 30', Add	27.41	
For Elevated Installation >30' To 35', Add	31.32	
For Elevated Installation >35' To 40', Add	39.15	
For Elevated Installation >40', Add	43.07	
For Work In Restricted Working Space, Add	23.49	
26 05 33 13-1125 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow.....	814.03	42.91
For Elevated Installation >10' To 15', Add	8.58	
For Elevated Installation >15' To 20', Add	17.16	
For Elevated Installation >20' To 25', Add	21.45	
For Elevated Installation >25' To 30', Add	30.03	
For Elevated Installation >30' To 35', Add	34.32	
For Elevated Installation >35' To 40', Add	42.90	
For Elevated Installation >40', Add	47.19	
For Work In Restricted Working Space, Add	25.74	
26 05 33 13-1126 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow.....	865.74	51.49
For Elevated Installation >10' To 15', Add	10.30	
For Elevated Installation >15' To 20', Add	20.59	
For Elevated Installation >20' To 25', Add	25.74	
For Elevated Installation >25' To 30', Add	36.04	
For Elevated Installation >30' To 35', Add	41.19	
For Elevated Installation >35' To 40', Add	51.49	
For Elevated Installation >40', Add	56.63	
For Work In Restricted Working Space, Add	30.89	
26 05 33 13-1127 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow.....	1,676.41	72.40
For Elevated Installation >10' To 15', Add	14.48	
For Elevated Installation >15' To 20', Add	28.96	
For Elevated Installation >20' To 25', Add	36.20	
For Elevated Installation >25' To 30', Add	50.68	
For Elevated Installation >30' To 35', Add	57.92	
For Elevated Installation >35' To 40', Add	72.40	
For Elevated Installation >40', Add	79.63	
For Work In Restricted Working Space, Add	43.44	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1128 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow.....	1,754.95	96.53
<i>For Elevated Installation &gt;10' To 15', Add</i>	19.31	
<i>For Elevated Installation &gt;15' To 20', Add</i>	38.61	
<i>For Elevated Installation &gt;20' To 25', Add</i>	48.27	
<i>For Elevated Installation &gt;25' To 30', Add</i>	67.57	
<i>For Elevated Installation &gt;30' To 35', Add</i>	77.22	
<i>For Elevated Installation &gt;35' To 40', Add</i>	96.53	
<i>For Elevated Installation &gt;40', Add</i>	106.18	
<i>For Work In Restricted Working Space, Add</i>	57.92	
26 05 33 13-1129 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow.....	2,580.21	120.66
<i>For Elevated Installation &gt;10' To 15', Add</i>	24.13	
<i>For Elevated Installation &gt;15' To 20', Add</i>	48.26	
<i>For Elevated Installation &gt;20' To 25', Add</i>	60.33	
<i>For Elevated Installation &gt;25' To 30', Add</i>	84.46	
<i>For Elevated Installation &gt;30' To 35', Add</i>	96.53	
<i>For Elevated Installation &gt;35' To 40', Add</i>	120.66	
<i>For Elevated Installation &gt;40', Add</i>	132.73	
<i>For Work In Restricted Working Space, Add</i>	72.40	
26 05 33 13-1130 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow.....	2,917.08	146.94
<i>For Elevated Installation &gt;10' To 15', Add</i>	29.39	
<i>For Elevated Installation &gt;15' To 20', Add</i>	58.78	
<i>For Elevated Installation &gt;20' To 25', Add</i>	73.47	
<i>For Elevated Installation &gt;25' To 30', Add</i>	102.86	
<i>For Elevated Installation &gt;30' To 35', Add</i>	117.55	
<i>For Elevated Installation &gt;35' To 40', Add</i>	146.94	
<i>For Elevated Installation &gt;40', Add</i>	161.63	
<i>For Work In Restricted Working Space, Add</i>	88.16	
<b>26 05 33 13-1131 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Male 90 Degree Malleable Elbows</b> <small>(26 05 33 13-0843)</small>		
26 05 33 13-1132 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Male 90 Degree Malleable Elbow.....	93.20	13.41
<i>For Elevated Installation &gt;10' To 15', Add</i>	2.68	
<i>For Elevated Installation &gt;15' To 20', Add</i>	5.36	
<i>For Elevated Installation &gt;20' To 25', Add</i>	6.70	
<i>For Elevated Installation &gt;25' To 30', Add</i>	9.38	
<i>For Elevated Installation &gt;30' To 35', Add</i>	10.72	
<i>For Elevated Installation &gt;35' To 40', Add</i>	13.41	
<i>For Elevated Installation &gt;40', Add</i>	14.75	
<i>For Work In Restricted Working Space, Add</i>	8.04	
26 05 33 13-1133 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Male 90 Degree Malleable Elbow.....	108.00	16.63
<i>For Elevated Installation &gt;10' To 15', Add</i>	3.33	
<i>For Elevated Installation &gt;15' To 20', Add</i>	6.65	
<i>For Elevated Installation &gt;20' To 25', Add</i>	8.31	
<i>For Elevated Installation &gt;25' To 30', Add</i>	11.64	
<i>For Elevated Installation &gt;30' To 35', Add</i>	13.30	
<i>For Elevated Installation &gt;35' To 40', Add</i>	16.63	
<i>For Elevated Installation &gt;40', Add</i>	18.29	
<i>For Work In Restricted Working Space, Add</i>	9.98	
26 05 33 13-1134 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Male 90 Degree Malleable Elbow.....	128.40	20.38
<i>For Elevated Installation &gt;10' To 15', Add</i>	4.08	
<i>For Elevated Installation &gt;15' To 20', Add</i>	8.15	
<i>For Elevated Installation &gt;20' To 25', Add</i>	10.19	
<i>For Elevated Installation &gt;25' To 30', Add</i>	14.27	
<i>For Elevated Installation &gt;30' To 35', Add</i>	16.30	
<i>For Elevated Installation &gt;35' To 40', Add</i>	20.38	
<i>For Elevated Installation &gt;40', Add</i>	22.42	
<i>For Work In Restricted Working Space, Add</i>	12.23	
26 05 33 13-1135 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Male 90 Degree Malleable Elbow.....	151.78	23.60
<i>For Elevated Installation &gt;10' To 15', Add</i>	4.72	
<i>For Elevated Installation &gt;15' To 20', Add</i>	9.44	
<i>For Elevated Installation &gt;20' To 25', Add</i>	11.80	
<i>For Elevated Installation &gt;25' To 30', Add</i>	16.52	
<i>For Elevated Installation &gt;30' To 35', Add</i>	18.88	
<i>For Elevated Installation &gt;35' To 40', Add</i>	23.60	
<i>For Elevated Installation &gt;40', Add</i>	25.95	
<i>For Work In Restricted Working Space, Add</i>	14.16	

**26 05 33 13-1136 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbows** (26 05 33 13-0843)

**26 Electrical**  
**26 05 Common Work Results for Electrical**  
**26 05 33 Raceway and Boxes for Electrical Systems**



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1137	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow.....	72.01	13.41
		<i>For Elevated Installation &gt;10' To 15', Add</i>	2.68	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	5.36	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	6.70	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	9.38	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	10.72	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	13.41	
		<i>For Elevated Installation &gt;40', Add</i>	14.75	
		<i>For Work In Restricted Working Space, Add</i>	8.04	
26 05 33 13-1138	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow.....	82.57	16.63
		<i>For Elevated Installation &gt;10' To 15', Add</i>	3.33	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	6.65	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	8.31	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	11.64	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	13.30	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	16.63	
		<i>For Elevated Installation &gt;40', Add</i>	18.29	
		<i>For Work In Restricted Working Space, Add</i>	9.98	
26 05 33 13-1139	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow.....	116.02	20.38
		<i>For Elevated Installation &gt;10' To 15', Add</i>	4.08	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	8.15	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	10.19	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	14.27	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	16.30	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	20.38	
		<i>For Elevated Installation &gt;40', Add</i>	22.42	
		<i>For Work In Restricted Working Space, Add</i>	12.23	
26 05 33 13-1140	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow.....	151.87	23.60
		<i>For Elevated Installation &gt;10' To 15', Add</i>	4.72	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	9.44	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	11.80	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	16.52	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	18.88	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	23.60	
		<i>For Elevated Installation &gt;40', Add</i>	25.95	
		<i>For Work In Restricted Working Space, Add</i>	14.16	
26 05 33 13-1141	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow.....	186.01	26.81
		<i>For Elevated Installation &gt;10' To 15', Add</i>	5.36	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	10.72	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	13.41	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	18.77	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	21.45	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	26.81	
		<i>For Elevated Installation &gt;40', Add</i>	29.49	
		<i>For Work In Restricted Working Space, Add</i>	16.09	
26 05 33 13-1142	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow.....	271.85	29.49
		<i>For Elevated Installation &gt;10' To 15', Add</i>	5.90	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	11.80	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	14.75	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	20.65	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	23.60	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	29.50	
		<i>For Elevated Installation &gt;40', Add</i>	32.44	
		<i>For Work In Restricted Working Space, Add</i>	17.70	
26 05 33 13-1143	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow.....	373.10	37.01
		<i>For Elevated Installation &gt;10' To 15', Add</i>	7.40	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	14.80	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	18.50	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	25.90	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	29.60	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	37.00	
		<i>For Elevated Installation &gt;40', Add</i>	40.70	
		<i>For Work In Restricted Working Space, Add</i>	22.20	
26 05 33 13-1144		<b>Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Female 90 Degree Malleable Elbows</b> <small>(26 05 33 13-0843)</small>		
26 05 33 13-1145	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Female 90 Degree Malleable Elbow.....	93.25	13.41
		<i>For Elevated Installation &gt;10' To 15', Add</i>	2.68	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	5.36	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	6.70	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	9.38	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	10.72	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	13.41	
		<i>For Elevated Installation &gt;40', Add</i>	14.75	
		<i>For Work In Restricted Working Space, Add</i>	8.04	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1146 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Female 90 Degree Malleable Elbow .....	110.93	16.63
<i>For Elevated Installation &gt;10' To 15', Add</i>	3.33	
<i>For Elevated Installation &gt;15' To 20', Add</i>	6.65	
<i>For Elevated Installation &gt;20' To 25', Add</i>	8.31	
<i>For Elevated Installation &gt;25' To 30', Add</i>	11.64	
<i>For Elevated Installation &gt;30' To 35', Add</i>	13.30	
<i>For Elevated Installation &gt;35' To 40', Add</i>	16.63	
<i>For Elevated Installation &gt;40', Add</i>	18.29	
<i>For Work In Restricted Working Space, Add</i>	9.98	
26 05 33 13-1147 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Female 90 Degree Malleable Elbow .....	128.43	20.38
<i>For Elevated Installation &gt;10' To 15', Add</i>	4.08	
<i>For Elevated Installation &gt;15' To 20', Add</i>	8.15	
<i>For Elevated Installation &gt;20' To 25', Add</i>	10.19	
<i>For Elevated Installation &gt;25' To 30', Add</i>	14.27	
<i>For Elevated Installation &gt;30' To 35', Add</i>	16.30	
<i>For Elevated Installation &gt;35' To 40', Add</i>	20.38	
<i>For Elevated Installation &gt;40', Add</i>	22.42	
<i>For Work In Restricted Working Space, Add</i>	12.23	
26 05 33 13-1148 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Female 90 Degree Malleable Elbow .....	151.83	23.60
<i>For Elevated Installation &gt;10' To 15', Add</i>	4.72	
<i>For Elevated Installation &gt;15' To 20', Add</i>	9.44	
<i>For Elevated Installation &gt;20' To 25', Add</i>	11.80	
<i>For Elevated Installation &gt;25' To 30', Add</i>	16.52	
<i>For Elevated Installation &gt;30' To 35', Add</i>	18.88	
<i>For Elevated Installation &gt;35' To 40', Add</i>	23.60	
<i>For Elevated Installation &gt;40', Add</i>	25.95	
<i>For Work In Restricted Working Space, Add</i>	14.16	
<b>26 05 33 13-1149 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbows <small>(26 05 33 13-0843)</small></b>		
26 05 33 13-1150 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow .....	72.09	13.41
<i>For Elevated Installation &gt;10' To 15', Add</i>	2.68	
<i>For Elevated Installation &gt;15' To 20', Add</i>	5.36	
<i>For Elevated Installation &gt;20' To 25', Add</i>	6.70	
<i>For Elevated Installation &gt;25' To 30', Add</i>	9.38	
<i>For Elevated Installation &gt;30' To 35', Add</i>	10.72	
<i>For Elevated Installation &gt;35' To 40', Add</i>	13.41	
<i>For Elevated Installation &gt;40', Add</i>	14.75	
<i>For Work In Restricted Working Space, Add</i>	8.04	
26 05 33 13-1151 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow .....	82.57	16.63
<i>For Elevated Installation &gt;10' To 15', Add</i>	3.33	
<i>For Elevated Installation &gt;15' To 20', Add</i>	6.65	
<i>For Elevated Installation &gt;20' To 25', Add</i>	8.31	
<i>For Elevated Installation &gt;25' To 30', Add</i>	11.64	
<i>For Elevated Installation &gt;30' To 35', Add</i>	13.30	
<i>For Elevated Installation &gt;35' To 40', Add</i>	16.63	
<i>For Elevated Installation &gt;40', Add</i>	18.29	
<i>For Work In Restricted Working Space, Add</i>	9.98	
26 05 33 13-1152 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow .....	107.24	20.38
<i>For Elevated Installation &gt;10' To 15', Add</i>	4.08	
<i>For Elevated Installation &gt;15' To 20', Add</i>	8.15	
<i>For Elevated Installation &gt;20' To 25', Add</i>	10.19	
<i>For Elevated Installation &gt;25' To 30', Add</i>	14.27	
<i>For Elevated Installation &gt;30' To 35', Add</i>	16.30	
<i>For Elevated Installation &gt;35' To 40', Add</i>	20.38	
<i>For Elevated Installation &gt;40', Add</i>	22.42	
<i>For Work In Restricted Working Space, Add</i>	12.23	
26 05 33 13-1153 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow .....	134.83	23.60
<i>For Elevated Installation &gt;10' To 15', Add</i>	4.72	
<i>For Elevated Installation &gt;15' To 20', Add</i>	9.44	
<i>For Elevated Installation &gt;20' To 25', Add</i>	11.80	
<i>For Elevated Installation &gt;25' To 30', Add</i>	16.52	
<i>For Elevated Installation &gt;30' To 35', Add</i>	18.88	
<i>For Elevated Installation &gt;35' To 40', Add</i>	23.60	
<i>For Elevated Installation &gt;40', Add</i>	25.95	
<i>For Work In Restricted Working Space, Add</i>	14.16	
26 05 33 13-1154 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow .....	158.26	26.81
<i>For Elevated Installation &gt;10' To 15', Add</i>	5.36	
<i>For Elevated Installation &gt;15' To 20', Add</i>	10.72	
<i>For Elevated Installation &gt;20' To 25', Add</i>	13.41	
<i>For Elevated Installation &gt;25' To 30', Add</i>	18.77	
<i>For Elevated Installation &gt;30' To 35', Add</i>	21.45	
<i>For Elevated Installation &gt;35' To 40', Add</i>	26.81	
<i>For Elevated Installation &gt;40', Add</i>	29.49	
<i>For Work In Restricted Working Space, Add</i>	16.09	

**26 Electrical**

**26 05 Common Work Results for Electrical**

**26 05 33 Raceway and Boxes for Electrical Systems**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1155	EA		2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow.....	182.97	29.49
			<i>For Elevated Installation &gt;10' To 15', Add</i>	5.90	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	11.80	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	14.75	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	20.65	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	23.60	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	29.50	
			<i>For Elevated Installation &gt;40', Add</i>	32.44	
			<i>For Work In Restricted Working Space, Add</i>	17.70	
26 05 33 13-1156	EA		2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow.....	350.43	37.01
			<i>For Elevated Installation &gt;10' To 15', Add</i>	7.40	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	14.80	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	18.50	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	25.90	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	29.60	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	37.00	
			<i>For Elevated Installation &gt;40', Add</i>	40.70	
			<i>For Work In Restricted Working Space, Add</i>	22.20	
26 05 33 13-1157	EA		3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow.....	397.78	50.41
			<i>For Elevated Installation &gt;10' To 15', Add</i>	10.08	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	20.16	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	25.21	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	35.29	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	40.33	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	50.41	
			<i>For Elevated Installation &gt;40', Add</i>	55.45	
			<i>For Work In Restricted Working Space, Add</i>	30.25	
26 05 33 13-1158	EA		3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow.....	427.98	56.84
			<i>For Elevated Installation &gt;10' To 15', Add</i>	11.37	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	22.74	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	28.42	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	39.79	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	45.48	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	56.85	
			<i>For Elevated Installation &gt;40', Add</i>	62.53	
			<i>For Work In Restricted Working Space, Add</i>	34.11	
26 05 33 13-1159	EA		4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow.....	526.15	74.00
			<i>For Elevated Installation &gt;10' To 15', Add</i>	14.80	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	29.60	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	37.00	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	51.80	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	59.20	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	74.01	
			<i>For Elevated Installation &gt;40', Add</i>	81.41	
			<i>For Work In Restricted Working Space, Add</i>	44.40	
<b>26 05 33 13-1160 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Service Entrance Elbows <small>(26 05 33 13-0843)</small></b>					
26 05 33 13-1161	EA		1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Service Entrance Elbow.....	152.03	25.74
			<i>For Elevated Installation &gt;10' To 15', Add</i>	5.15	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	10.30	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	12.87	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	18.02	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	20.60	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	25.75	
			<i>For Elevated Installation &gt;40', Add</i>	28.32	
			<i>For Work In Restricted Working Space, Add</i>	15.45	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.45	
26 05 33 13-1162	EA		3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Service Entrance Elbow.....	163.48	29.49
			<i>For Elevated Installation &gt;10' To 15', Add</i>	5.90	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	11.80	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	14.75	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	20.65	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	23.60	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	29.50	
			<i>For Elevated Installation &gt;40', Add</i>	32.44	
			<i>For Work In Restricted Working Space, Add</i>	17.70	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.70	
26 05 33 13-1163	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Service Entrance Elbow.....	178.24	33.79
			<i>For Elevated Installation &gt;10' To 15', Add</i>	6.76	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	13.51	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	16.89	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	23.65	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	27.03	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	33.79	
			<i>For Elevated Installation &gt;40', Add</i>	37.16	
			<i>For Work In Restricted Working Space, Add</i>	20.27	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.27	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1164 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Service Entrance Elbow .....	242.39	39.14
<i>For Elevated Installation &gt;10' To 15', Add</i>	7.83	
<i>For Elevated Installation &gt;15' To 20', Add</i>	15.66	
<i>For Elevated Installation &gt;20' To 25', Add</i>	19.58	
<i>For Elevated Installation &gt;25' To 30', Add</i>	27.41	
<i>For Elevated Installation &gt;30' To 35', Add</i>	31.32	
<i>For Elevated Installation &gt;35' To 40', Add</i>	39.15	
<i>For Elevated Installation &gt;40', Add</i>	43.07	
<i>For Work In Restricted Working Space, Add</i>	23.49	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.49	
26 05 33 13-1165 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Service Entrance Elbow .....	311.72	42.91
<i>For Elevated Installation &gt;10' To 15', Add</i>	8.58	
<i>For Elevated Installation &gt;15' To 20', Add</i>	17.16	
<i>For Elevated Installation &gt;20' To 25', Add</i>	21.45	
<i>For Elevated Installation &gt;25' To 30', Add</i>	30.03	
<i>For Elevated Installation &gt;30' To 35', Add</i>	34.32	
<i>For Elevated Installation &gt;35' To 40', Add</i>	42.90	
<i>For Elevated Installation &gt;40', Add</i>	47.19	
<i>For Work In Restricted Working Space, Add</i>	25.74	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.74	
<b>26 05 33 13-1166 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Boxes With Cast Iron Cover</b>		
<small>(26 05 33 13-0843)</small>		
26 05 33 13-1167 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Box With Cast Iron Cover .....	185.60	25.74
<i>For Elevated Installation &gt;10' To 15', Add</i>	5.15	
<i>For Elevated Installation &gt;15' To 20', Add</i>	10.30	
<i>For Elevated Installation &gt;20' To 25', Add</i>	12.87	
<i>For Elevated Installation &gt;25' To 30', Add</i>	18.02	
<i>For Elevated Installation &gt;30' To 35', Add</i>	20.60	
<i>For Elevated Installation &gt;35' To 40', Add</i>	25.75	
<i>For Elevated Installation &gt;40', Add</i>	28.32	
<i>For Work In Restricted Working Space, Add</i>	15.45	
26 05 33 13-1168 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Box With Cast Iron Cover .....	199.11	29.49
<i>For Elevated Installation &gt;10' To 15', Add</i>	5.90	
<i>For Elevated Installation &gt;15' To 20', Add</i>	11.80	
<i>For Elevated Installation &gt;20' To 25', Add</i>	14.75	
<i>For Elevated Installation &gt;25' To 30', Add</i>	20.65	
<i>For Elevated Installation &gt;30' To 35', Add</i>	23.60	
<i>For Elevated Installation &gt;35' To 40', Add</i>	29.50	
<i>For Elevated Installation &gt;40', Add</i>	32.44	
<i>For Work In Restricted Working Space, Add</i>	17.70	
26 05 33 13-1169 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Box With Cast Iron Cover .....	233.07	33.79
<i>For Elevated Installation &gt;10' To 15', Add</i>	6.76	
<i>For Elevated Installation &gt;15' To 20', Add</i>	13.51	
<i>For Elevated Installation &gt;20' To 25', Add</i>	16.89	
<i>For Elevated Installation &gt;25' To 30', Add</i>	23.65	
<i>For Elevated Installation &gt;30' To 35', Add</i>	27.03	
<i>For Elevated Installation &gt;35' To 40', Add</i>	33.79	
<i>For Elevated Installation &gt;40', Add</i>	37.16	
<i>For Work In Restricted Working Space, Add</i>	20.27	
26 05 33 13-1170 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Box With Cast Iron Cover .....	337.55	39.14
<i>For Elevated Installation &gt;10' To 15', Add</i>	7.83	
<i>For Elevated Installation &gt;15' To 20', Add</i>	15.66	
<i>For Elevated Installation &gt;20' To 25', Add</i>	19.58	
<i>For Elevated Installation &gt;25' To 30', Add</i>	27.41	
<i>For Elevated Installation &gt;30' To 35', Add</i>	31.32	
<i>For Elevated Installation &gt;35' To 40', Add</i>	39.15	
<i>For Elevated Installation &gt;40', Add</i>	43.07	
<i>For Work In Restricted Working Space, Add</i>	23.49	
26 05 33 13-1171 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Box With Cast Iron Cover .....	558.29	42.91
<i>For Elevated Installation &gt;10' To 15', Add</i>	8.58	
<i>For Elevated Installation &gt;15' To 20', Add</i>	17.16	
<i>For Elevated Installation &gt;20' To 25', Add</i>	21.45	
<i>For Elevated Installation &gt;25' To 30', Add</i>	30.03	
<i>For Elevated Installation &gt;30' To 35', Add</i>	34.32	
<i>For Elevated Installation &gt;35' To 40', Add</i>	42.90	
<i>For Elevated Installation &gt;40', Add</i>	47.19	
<i>For Work In Restricted Working Space, Add</i>	25.74	
26 05 33 13-1172 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Box With Cast Iron Cover .....	600.79	51.49
<i>For Elevated Installation &gt;10' To 15', Add</i>	10.30	
<i>For Elevated Installation &gt;15' To 20', Add</i>	20.59	
<i>For Elevated Installation &gt;20' To 25', Add</i>	25.74	
<i>For Elevated Installation &gt;25' To 30', Add</i>	36.04	
<i>For Elevated Installation &gt;30' To 35', Add</i>	41.19	
<i>For Elevated Installation &gt;35' To 40', Add</i>	51.49	
<i>For Elevated Installation &gt;40', Add</i>	56.63	
<i>For Work In Restricted Working Space, Add</i>	30.89	

**26 Electrical**  
**26 05 Common Work Results for Electrical**  
**26 05 33 Raceway and Boxes for Electrical Systems**



MINOR  
 CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

26 05 33 13-1173		<b>Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Boxes With Cast Iron Cover</b> <small>(26 05 33 13-0843)</small>			
26 05 33 13-1174	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Box With Cast Iron Cover	204.65	25.74	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	5.15		
		<i>For Elevated Installation &gt;15' To 20', Add</i>	10.30		
		<i>For Elevated Installation &gt;20' To 25', Add</i>	12.87		
		<i>For Elevated Installation &gt;25' To 30', Add</i>	18.02		
		<i>For Elevated Installation &gt;30' To 35', Add</i>	20.60		
		<i>For Elevated Installation &gt;35' To 40', Add</i>	25.75		
		<i>For Elevated Installation &gt;40', Add</i>	28.32		
		<i>For Work In Restricted Working Space, Add</i>	15.45		
26 05 33 13-1175	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Box With Cast Iron Cover	230.89	29.49	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	5.90		
		<i>For Elevated Installation &gt;15' To 20', Add</i>	11.80		
		<i>For Elevated Installation &gt;20' To 25', Add</i>	14.75		
		<i>For Elevated Installation &gt;25' To 30', Add</i>	20.65		
		<i>For Elevated Installation &gt;30' To 35', Add</i>	23.60		
		<i>For Elevated Installation &gt;35' To 40', Add</i>	29.50		
		<i>For Elevated Installation &gt;40', Add</i>	32.44		
		<i>For Work In Restricted Working Space, Add</i>	17.70		
26 05 33 13-1176	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Box With Cast Iron Cover	251.20	33.79	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	6.76		
		<i>For Elevated Installation &gt;15' To 20', Add</i>	13.51		
		<i>For Elevated Installation &gt;20' To 25', Add</i>	16.89		
		<i>For Elevated Installation &gt;25' To 30', Add</i>	23.65		
		<i>For Elevated Installation &gt;30' To 35', Add</i>	27.03		
		<i>For Elevated Installation &gt;35' To 40', Add</i>	33.79		
		<i>For Elevated Installation &gt;40', Add</i>	37.16		
		<i>For Work In Restricted Working Space, Add</i>	20.27		
26 05 33 13-1177	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Box With Cast Iron Cover	355.97	39.14	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	7.83		
		<i>For Elevated Installation &gt;15' To 20', Add</i>	15.66		
		<i>For Elevated Installation &gt;20' To 25', Add</i>	19.58		
		<i>For Elevated Installation &gt;25' To 30', Add</i>	27.41		
		<i>For Elevated Installation &gt;30' To 35', Add</i>	31.32		
		<i>For Elevated Installation &gt;35' To 40', Add</i>	39.15		
		<i>For Elevated Installation &gt;40', Add</i>	43.07		
		<i>For Work In Restricted Working Space, Add</i>	23.49		
26 05 33 13-1178	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Box With Cast Iron Cover	602.24	42.91	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	8.58		
		<i>For Elevated Installation &gt;15' To 20', Add</i>	17.16		
		<i>For Elevated Installation &gt;20' To 25', Add</i>	21.45		
		<i>For Elevated Installation &gt;25' To 30', Add</i>	30.03		
		<i>For Elevated Installation &gt;30' To 35', Add</i>	34.32		
		<i>For Elevated Installation &gt;35' To 40', Add</i>	42.90		
		<i>For Elevated Installation &gt;40', Add</i>	47.19		
		<i>For Work In Restricted Working Space, Add</i>	25.74		
26 05 33 13-1179	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Box With Cast Iron Cover	641.12	51.49	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	10.30		
		<i>For Elevated Installation &gt;15' To 20', Add</i>	20.59		
		<i>For Elevated Installation &gt;20' To 25', Add</i>	25.74		
		<i>For Elevated Installation &gt;25' To 30', Add</i>	36.04		
		<i>For Elevated Installation &gt;30' To 35', Add</i>	41.19		
		<i>For Elevated Installation &gt;35' To 40', Add</i>	51.49		
		<i>For Elevated Installation &gt;40', Add</i>	56.63		
		<i>For Work In Restricted Working Space, Add</i>	30.89		
26 05 33 13-1180		<b>Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Boxes With Cast Iron Cover</b> <small>(26 05 33 13-0843)</small>			
26 05 33 13-1181	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Box With Cast Iron Cover	204.79	25.74	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	5.15		
		<i>For Elevated Installation &gt;15' To 20', Add</i>	10.30		
		<i>For Elevated Installation &gt;20' To 25', Add</i>	12.87		
		<i>For Elevated Installation &gt;25' To 30', Add</i>	18.02		
		<i>For Elevated Installation &gt;30' To 35', Add</i>	20.60		
		<i>For Elevated Installation &gt;35' To 40', Add</i>	25.75		
		<i>For Elevated Installation &gt;40', Add</i>	28.32		
		<i>For Work In Restricted Working Space, Add</i>	15.45		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1182 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Box With Cast Iron Cover .....	225.26	29.49
<i>For Elevated Installation &gt;10' To 15', Add</i>	5.90	
<i>For Elevated Installation &gt;15' To 20', Add</i>	11.80	
<i>For Elevated Installation &gt;20' To 25', Add</i>	14.75	
<i>For Elevated Installation &gt;25' To 30', Add</i>	20.65	
<i>For Elevated Installation &gt;30' To 35', Add</i>	23.60	
<i>For Elevated Installation &gt;35' To 40', Add</i>	29.50	
<i>For Elevated Installation &gt;40', Add</i>	32.44	
<i>For Work In Restricted Working Space, Add</i>	17.70	
26 05 33 13-1183 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Box With Cast Iron Cover .....	268.70	33.79
<i>For Elevated Installation &gt;10' To 15', Add</i>	6.76	
<i>For Elevated Installation &gt;15' To 20', Add</i>	13.51	
<i>For Elevated Installation &gt;20' To 25', Add</i>	16.89	
<i>For Elevated Installation &gt;25' To 30', Add</i>	23.65	
<i>For Elevated Installation &gt;30' To 35', Add</i>	27.03	
<i>For Elevated Installation &gt;35' To 40', Add</i>	33.79	
<i>For Elevated Installation &gt;40', Add</i>	37.16	
<i>For Work In Restricted Working Space, Add</i>	20.27	
26 05 33 13-1184 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Box With Cast Iron Cover .....	370.00	39.14
<i>For Elevated Installation &gt;10' To 15', Add</i>	7.83	
<i>For Elevated Installation &gt;15' To 20', Add</i>	15.66	
<i>For Elevated Installation &gt;20' To 25', Add</i>	19.58	
<i>For Elevated Installation &gt;25' To 30', Add</i>	27.41	
<i>For Elevated Installation &gt;30' To 35', Add</i>	31.32	
<i>For Elevated Installation &gt;35' To 40', Add</i>	39.15	
<i>For Elevated Installation &gt;40', Add</i>	43.07	
<i>For Work In Restricted Working Space, Add</i>	23.49	
26 05 33 13-1185 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Box With Cast Iron Cover .....	623.18	42.91
<i>For Elevated Installation &gt;10' To 15', Add</i>	8.58	
<i>For Elevated Installation &gt;15' To 20', Add</i>	17.16	
<i>For Elevated Installation &gt;20' To 25', Add</i>	21.45	
<i>For Elevated Installation &gt;25' To 30', Add</i>	30.03	
<i>For Elevated Installation &gt;30' To 35', Add</i>	34.32	
<i>For Elevated Installation &gt;35' To 40', Add</i>	42.90	
<i>For Elevated Installation &gt;40', Add</i>	47.19	
<i>For Work In Restricted Working Space, Add</i>	25.74	
26 05 33 13-1186 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Box With Cast Iron Cover .....	666.94	51.49
<i>For Elevated Installation &gt;10' To 15', Add</i>	10.30	
<i>For Elevated Installation &gt;15' To 20', Add</i>	20.59	
<i>For Elevated Installation &gt;20' To 25', Add</i>	25.74	
<i>For Elevated Installation &gt;25' To 30', Add</i>	36.04	
<i>For Elevated Installation &gt;30' To 35', Add</i>	41.19	
<i>For Elevated Installation &gt;35' To 40', Add</i>	51.49	
<i>For Elevated Installation &gt;40', Add</i>	56.63	
<i>For Work In Restricted Working Space, Add</i>	30.89	
<b>26 05 33 13-1187 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAD Junction Boxes With Cast Iron Cover</b> <small>(26 05 33 13-0843)</small>		
26 05 33 13-1188 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAD Junction Box With Cast Iron Cover .....	257.54	25.74
<i>For Elevated Installation &gt;10' To 15', Add</i>	5.15	
<i>For Elevated Installation &gt;15' To 20', Add</i>	10.30	
<i>For Elevated Installation &gt;20' To 25', Add</i>	12.87	
<i>For Elevated Installation &gt;25' To 30', Add</i>	18.02	
<i>For Elevated Installation &gt;30' To 35', Add</i>	20.60	
<i>For Elevated Installation &gt;35' To 40', Add</i>	25.75	
<i>For Elevated Installation &gt;40', Add</i>	28.32	
<i>For Work In Restricted Working Space, Add</i>	15.45	
26 05 33 13-1189 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAD Junction Box With Cast Iron Cover .....	283.89	29.49
<i>For Elevated Installation &gt;10' To 15', Add</i>	5.90	
<i>For Elevated Installation &gt;15' To 20', Add</i>	11.80	
<i>For Elevated Installation &gt;20' To 25', Add</i>	14.75	
<i>For Elevated Installation &gt;25' To 30', Add</i>	20.65	
<i>For Elevated Installation &gt;30' To 35', Add</i>	23.60	
<i>For Elevated Installation &gt;35' To 40', Add</i>	29.50	
<i>For Elevated Installation &gt;40', Add</i>	32.44	
<i>For Work In Restricted Working Space, Add</i>	17.70	
26 05 33 13-1190 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAD Junction Box With Cast Iron Cover .....	306.82	33.79
<i>For Elevated Installation &gt;10' To 15', Add</i>	6.76	
<i>For Elevated Installation &gt;15' To 20', Add</i>	13.51	
<i>For Elevated Installation &gt;20' To 25', Add</i>	16.89	
<i>For Elevated Installation &gt;25' To 30', Add</i>	23.65	
<i>For Elevated Installation &gt;30' To 35', Add</i>	27.03	
<i>For Elevated Installation &gt;35' To 40', Add</i>	33.79	
<i>For Elevated Installation &gt;40', Add</i>	37.16	
<i>For Work In Restricted Working Space, Add</i>	20.27	

**26 Electrical**

**26 05 Common Work Results for Electrical**

**26 05 33 Raceway and Boxes for Electrical Systems**



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1191	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAD Junction Box With Cast Iron Cover	796.25	39.14
		<i>For Elevated Installation &gt;10' To 15', Add</i>	7.83	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	15.66	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	19.58	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	27.41	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	31.32	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	39.15	
		<i>For Elevated Installation &gt;40', Add</i>	43.07	
		<i>For Work In Restricted Working Space, Add</i>	23.49	
<b>26 05 33 13-1192</b>		<b>Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Boxes</b> <small>(26 05 33 13-0843)</small>		
		Note: Excludes cover.		
26 05 33 13-1193	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Box	116.91	25.74
		<i>For Elevated Installation &gt;10' To 15', Add</i>	5.15	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	10.30	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	12.87	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	18.02	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	20.60	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	25.75	
		<i>For Elevated Installation &gt;40', Add</i>	28.32	
		<i>For Work In Restricted Working Space, Add</i>	15.45	
26 05 33 13-1194	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Box	127.95	29.49
		<i>For Elevated Installation &gt;10' To 15', Add</i>	5.90	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	11.80	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	14.75	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	20.65	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	23.60	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	29.50	
		<i>For Elevated Installation &gt;40', Add</i>	32.44	
		<i>For Work In Restricted Working Space, Add</i>	17.70	
26 05 33 13-1195	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Box	142.44	33.79
		<i>For Elevated Installation &gt;10' To 15', Add</i>	6.76	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	13.51	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	16.89	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	23.65	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	27.03	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	33.79	
		<i>For Elevated Installation &gt;40', Add</i>	37.16	
		<i>For Work In Restricted Working Space, Add</i>	20.27	
26 05 33 13-1196	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Box	131.21	25.74
		<i>For Elevated Installation &gt;10' To 15', Add</i>	5.15	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	10.30	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	12.87	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	18.02	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	20.60	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	25.75	
		<i>For Elevated Installation &gt;40', Add</i>	28.32	
		<i>For Work In Restricted Working Space, Add</i>	15.45	
26 05 33 13-1197	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Box	140.45	29.49
		<i>For Elevated Installation &gt;10' To 15', Add</i>	5.90	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	11.80	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	14.75	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	20.65	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	23.60	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	29.50	
		<i>For Elevated Installation &gt;40', Add</i>	32.44	
		<i>For Work In Restricted Working Space, Add</i>	17.70	
26 05 33 13-1198	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Box	159.82	33.79
		<i>For Elevated Installation &gt;10' To 15', Add</i>	6.76	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	13.51	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	16.89	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	23.65	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	27.03	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	33.79	
		<i>For Elevated Installation &gt;40', Add</i>	37.16	
		<i>For Work In Restricted Working Space, Add</i>	20.27	
<b>26 05 33 13-1199</b>		<b>Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Boxes</b> <small>(26 05 33 13-0843)</small>		
		Note: Excludes cover.		
26 05 33 13-1200	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Box	123.67	25.74
		<i>For Elevated Installation &gt;10' To 15', Add</i>	5.15	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	10.30	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	12.87	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	18.02	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	20.60	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	25.75	
		<i>For Elevated Installation &gt;40', Add</i>	28.32	
		<i>For Work In Restricted Working Space, Add</i>	15.45	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1201 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Box.....	135.56	29.49
For Elevated Installation >10' To 15', Add	5.90	
For Elevated Installation >15' To 20', Add	11.80	
For Elevated Installation >20' To 25', Add	14.75	
For Elevated Installation >25' To 30', Add	20.65	
For Elevated Installation >30' To 35', Add	23.60	
For Elevated Installation >35' To 40', Add	29.50	
For Elevated Installation >40', Add	32.44	
For Work In Restricted Working Space, Add	17.70	
26 05 33 13-1202 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Box.....	147.70	33.79
For Elevated Installation >10' To 15', Add	6.76	
For Elevated Installation >15' To 20', Add	13.51	
For Elevated Installation >20' To 25', Add	16.89	
For Elevated Installation >25' To 30', Add	23.65	
For Elevated Installation >30' To 35', Add	27.03	
For Elevated Installation >35' To 40', Add	33.79	
For Elevated Installation >40', Add	37.16	
For Work In Restricted Working Space, Add	20.27	
26 05 33 13-1203 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Box.....	140.88	25.74
For Elevated Installation >10' To 15', Add	5.15	
For Elevated Installation >15' To 20', Add	10.30	
For Elevated Installation >20' To 25', Add	12.87	
For Elevated Installation >25' To 30', Add	18.02	
For Elevated Installation >30' To 35', Add	20.60	
For Elevated Installation >35' To 40', Add	25.75	
For Elevated Installation >40', Add	28.32	
For Work In Restricted Working Space, Add	15.45	
26 05 33 13-1204 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Box.....	152.94	29.49
For Elevated Installation >10' To 15', Add	5.90	
For Elevated Installation >15' To 20', Add	11.80	
For Elevated Installation >20' To 25', Add	14.75	
For Elevated Installation >25' To 30', Add	20.65	
For Elevated Installation >30' To 35', Add	23.60	
For Elevated Installation >35' To 40', Add	29.50	
For Elevated Installation >40', Add	32.44	
For Work In Restricted Working Space, Add	17.70	
26 05 33 13-1205 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Box.....	172.67	33.79
For Elevated Installation >10' To 15', Add	6.76	
For Elevated Installation >15' To 20', Add	13.51	
For Elevated Installation >20' To 25', Add	16.89	
For Elevated Installation >25' To 30', Add	23.65	
For Elevated Installation >30' To 35', Add	27.03	
For Elevated Installation >35' To 40', Add	33.79	
For Elevated Installation >40', Add	37.16	
For Work In Restricted Working Space, Add	20.27	
<b>26 05 33 13-1206 Polyvinyl Chloride (PVC) Coated, Urethane Lined, FS And FD Series Covers</b> <small>(26 05 33 13-0843)</small>		
26 05 33 13-1207 EA Polyvinyl Chloride (PVC) Coated, Urethane Lined, DS23, FS And FD Series Cover .....	46.91	3.22
For Elevated Installation >10' To 15', Add	0.64	
For Elevated Installation >15' To 20', Add	1.29	
For Elevated Installation >20' To 25', Add	1.61	
For Elevated Installation >25' To 30', Add	2.25	
For Elevated Installation >30' To 35', Add	2.57	
For Elevated Installation >35' To 40', Add	3.22	
For Elevated Installation >40', Add	3.54	
For Work In Restricted Working Space, Add	1.93	
26 05 33 13-1208 EA Polyvinyl Chloride (PVC) Coated, Urethane Lined, DS21G, FS And FD Series Cover.....	64.13	3.75
For Elevated Installation >10' To 15', Add	0.75	
For Elevated Installation >15' To 20', Add	1.50	
For Elevated Installation >20' To 25', Add	1.88	
For Elevated Installation >25' To 30', Add	2.63	
For Elevated Installation >30' To 35', Add	3.00	
For Elevated Installation >35' To 40', Add	3.76	
For Elevated Installation >40', Add	4.13	
For Work In Restricted Working Space, Add	2.25	
26 05 33 13-1209 EA Polyvinyl Chloride (PVC) Coated, Urethane Lined, DS32G, FS And FD Series Cover.....	60.42	3.75
For Elevated Installation >10' To 15', Add	0.75	
For Elevated Installation >15' To 20', Add	1.50	
For Elevated Installation >20' To 25', Add	1.88	
For Elevated Installation >25' To 30', Add	2.63	
For Elevated Installation >30' To 35', Add	3.00	
For Elevated Installation >35' To 40', Add	3.76	
For Elevated Installation >40', Add	4.13	
For Work In Restricted Working Space, Add	2.25	
26 05 33 13-1210 EA Polyvinyl Chloride (PVC) Coated, Urethane Lined, DS100G, FS And FD Series Cover.....	53.49	3.75
For Elevated Installation >10' To 15', Add	0.75	
For Elevated Installation >15' To 20', Add	1.50	
For Elevated Installation >20' To 25', Add	1.88	
For Elevated Installation >25' To 30', Add	2.63	
For Elevated Installation >30' To 35', Add	3.00	
For Elevated Installation >35' To 40', Add	3.76	
For Elevated Installation >40', Add	4.13	
For Work In Restricted Working Space, Add	2.25	

**26 Electrical**

**26 05 Common Work Results for Electrical**

**26 05 33 Raceway and Boxes for Electrical Systems**



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1211	EA	Polyvinyl Chloride (PVC) Coated, Urethane Lined, WLRD1, FS And FD Series Cover .....	267.65	5.36
		<i>For Elevated Installation &gt;10' To 15', Add</i>	1.07	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	2.15	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	2.68	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	3.76	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	4.29	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	5.37	
		<i>For Elevated Installation &gt;40', Add</i>	5.90	
		<i>For Work In Restricted Working Space, Add</i>	3.22	
26 05 33 13-1212	EA	Polyvinyl Chloride (PVC) Coated, Urethane Lined, WLRS1, FS And FD Series Cover .....	237.60	5.36
		<i>For Elevated Installation &gt;10' To 15', Add</i>	1.07	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	2.15	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	2.68	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	3.76	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	4.29	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	5.37	
		<i>For Elevated Installation &gt;40', Add</i>	5.90	
		<i>For Work In Restricted Working Space, Add</i>	3.22	
<b>26 05 33 13-1213 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Mogul Conduit Bodies (26 05 33 13-0843)</b>				
Note: Includes covers.				
26 05 33 13-1214	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body .....	264.82	33.79
		<i>For Elevated Installation &gt;10' To 15', Add</i>	6.76	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	13.51	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	16.89	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	23.65	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	27.03	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	33.79	
		<i>For Elevated Installation &gt;40', Add</i>	37.16	
		<i>For Work In Restricted Working Space, Add</i>	20.27	
26 05 33 13-1215	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body .....	296.83	39.14
		<i>For Elevated Installation &gt;10' To 15', Add</i>	7.83	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	15.66	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	19.58	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	27.41	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	31.32	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	39.15	
		<i>For Elevated Installation &gt;40', Add</i>	43.07	
		<i>For Work In Restricted Working Space, Add</i>	23.49	
26 05 33 13-1216	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body .....	415.70	42.91
		<i>For Elevated Installation &gt;10' To 15', Add</i>	8.58	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	17.16	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	21.45	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	30.03	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	34.32	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	42.90	
		<i>For Elevated Installation &gt;40', Add</i>	47.19	
		<i>For Work In Restricted Working Space, Add</i>	25.74	
26 05 33 13-1217	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body .....	495.16	51.49
		<i>For Elevated Installation &gt;10' To 15', Add</i>	10.30	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	20.59	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	25.74	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	36.04	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	41.19	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	51.49	
		<i>For Elevated Installation &gt;40', Add</i>	56.63	
		<i>For Work In Restricted Working Space, Add</i>	30.89	
26 05 33 13-1218	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body .....	716.37	72.40
		<i>For Elevated Installation &gt;10' To 15', Add</i>	14.48	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	28.96	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	36.20	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	50.68	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	57.92	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	72.40	
		<i>For Elevated Installation &gt;40', Add</i>	79.63	
		<i>For Work In Restricted Working Space, Add</i>	43.44	
26 05 33 13-1219	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body .....	901.19	96.53
		<i>For Elevated Installation &gt;10' To 15', Add</i>	19.31	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	38.61	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	48.27	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	67.57	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	77.22	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	96.53	
		<i>For Elevated Installation &gt;40', Add</i>	106.18	
		<i>For Work In Restricted Working Space, Add</i>	57.92	
26 05 33 13-1220	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body .....	1,331.93	120.66
		<i>For Elevated Installation &gt;10' To 15', Add</i>	24.13	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	48.26	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	60.33	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	84.46	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	96.53	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	120.66	
		<i>For Elevated Installation &gt;40', Add</i>	132.73	
		<i>For Work In Restricted Working Space, Add</i>	72.40	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1221 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body .....	1,654.14	146.94
For Elevated Installation >10' To 15', Add	29.39	
For Elevated Installation >15' To 20', Add	58.78	
For Elevated Installation >20' To 25', Add	73.47	
For Elevated Installation >25' To 30', Add	102.86	
For Elevated Installation >30' To 35', Add	117.55	
For Elevated Installation >35' To 40', Add	146.94	
For Elevated Installation >40', Add	161.63	
For Work In Restricted Working Space, Add	88.16	
26 05 33 13-1222 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body .....	264.82	33.79
For Elevated Installation >10' To 15', Add	6.76	
For Elevated Installation >15' To 20', Add	13.51	
For Elevated Installation >20' To 25', Add	16.89	
For Elevated Installation >25' To 30', Add	23.65	
For Elevated Installation >30' To 35', Add	27.03	
For Elevated Installation >35' To 40', Add	33.79	
For Elevated Installation >40', Add	37.16	
For Work In Restricted Working Space, Add	20.27	
26 05 33 13-1223 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body .....	296.83	39.14
For Elevated Installation >10' To 15', Add	7.83	
For Elevated Installation >15' To 20', Add	15.66	
For Elevated Installation >20' To 25', Add	19.58	
For Elevated Installation >25' To 30', Add	27.41	
For Elevated Installation >30' To 35', Add	31.32	
For Elevated Installation >35' To 40', Add	39.15	
For Elevated Installation >40', Add	43.07	
For Work In Restricted Working Space, Add	23.49	
26 05 33 13-1224 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body .....	414.49	42.91
For Elevated Installation >10' To 15', Add	8.58	
For Elevated Installation >15' To 20', Add	17.16	
For Elevated Installation >20' To 25', Add	21.45	
For Elevated Installation >25' To 30', Add	30.03	
For Elevated Installation >30' To 35', Add	34.32	
For Elevated Installation >35' To 40', Add	42.90	
For Elevated Installation >40', Add	47.19	
For Work In Restricted Working Space, Add	25.74	
26 05 33 13-1225 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body .....	482.92	51.49
For Elevated Installation >10' To 15', Add	10.30	
For Elevated Installation >15' To 20', Add	20.59	
For Elevated Installation >20' To 25', Add	25.74	
For Elevated Installation >25' To 30', Add	36.04	
For Elevated Installation >30' To 35', Add	41.19	
For Elevated Installation >35' To 40', Add	51.49	
For Elevated Installation >40', Add	56.63	
For Work In Restricted Working Space, Add	30.89	
26 05 33 13-1226 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body .....	727.64	72.40
For Elevated Installation >10' To 15', Add	14.48	
For Elevated Installation >15' To 20', Add	28.96	
For Elevated Installation >20' To 25', Add	36.20	
For Elevated Installation >25' To 30', Add	50.68	
For Elevated Installation >30' To 35', Add	57.92	
For Elevated Installation >35' To 40', Add	72.40	
For Elevated Installation >40', Add	79.63	
For Work In Restricted Working Space, Add	43.44	
26 05 33 13-1227 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body .....	951.75	96.53
For Elevated Installation >10' To 15', Add	19.31	
For Elevated Installation >15' To 20', Add	38.61	
For Elevated Installation >20' To 25', Add	48.27	
For Elevated Installation >25' To 30', Add	67.57	
For Elevated Installation >30' To 35', Add	77.22	
For Elevated Installation >35' To 40', Add	96.53	
For Elevated Installation >40', Add	106.18	
For Work In Restricted Working Space, Add	57.92	
26 05 33 13-1228 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body .....	1,392.96	120.66
For Elevated Installation >10' To 15', Add	24.13	
For Elevated Installation >15' To 20', Add	48.26	
For Elevated Installation >20' To 25', Add	60.33	
For Elevated Installation >25' To 30', Add	84.46	
For Elevated Installation >30' To 35', Add	96.53	
For Elevated Installation >35' To 40', Add	120.66	
For Elevated Installation >40', Add	132.73	
For Work In Restricted Working Space, Add	72.40	
26 05 33 13-1229 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body .....	1,692.14	146.94
For Elevated Installation >10' To 15', Add	29.39	
For Elevated Installation >15' To 20', Add	58.78	
For Elevated Installation >20' To 25', Add	73.47	
For Elevated Installation >25' To 30', Add	102.86	
For Elevated Installation >30' To 35', Add	117.55	
For Elevated Installation >35' To 40', Add	146.94	
For Elevated Installation >40', Add	161.63	
For Work In Restricted Working Space, Add	88.16	

**26 Electrical**

**26 05 Common Work Results for Electrical**

**26 05 33 Raceway and Boxes for Electrical Systems**



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1230	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body ..... <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Work In Restricted Working Space, Add</i>	264.82 6.76 13.51 16.89 23.65 27.03 33.79 37.16 20.27	33.79
26 05 33 13-1231	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body ..... <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Work In Restricted Working Space, Add</i>	296.83 7.83 15.66 19.58 27.41 31.32 39.15 43.07 23.49	39.14
26 05 33 13-1232	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body ..... <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Work In Restricted Working Space, Add</i>	414.49 8.58 17.16 21.45 30.03 34.32 42.90 47.19 25.74	42.91
26 05 33 13-1233	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body ..... <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Work In Restricted Working Space, Add</i>	482.92 10.30 20.59 25.74 36.04 41.19 51.49 56.63 30.89	51.49
26 05 33 13-1234	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body ..... <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Work In Restricted Working Space, Add</i>	727.64 14.48 28.96 36.20 50.68 57.92 72.40 79.63 43.44	72.40
26 05 33 13-1235	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body ..... <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Work In Restricted Working Space, Add</i>	951.75 19.31 38.61 48.27 67.57 77.22 96.53 106.18 57.92	96.53
26 05 33 13-1236	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body ..... <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Work In Restricted Working Space, Add</i>	1,392.96 24.13 48.26 60.33 84.46 96.53 120.66 132.73 72.40	120.66
26 05 33 13-1237	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body ..... <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Work In Restricted Working Space, Add</i>	1,692.14 29.39 58.78 73.47 102.86 117.55 146.94 161.63 88.16	146.94
26 05 33 13-1238	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body ..... <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Work In Restricted Working Space, Add</i>	264.82 6.76 13.51 16.89 23.65 27.03 33.79 37.16 20.27	33.79



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1239 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body ..... <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Work In Restricted Working Space, Add</i>	296.83 7.83 15.66 19.58 27.41 31.32 39.15 43.07 23.49	39.14
26 05 33 13-1240 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body ..... <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Work In Restricted Working Space, Add</i>	415.70 8.58 17.16 21.45 30.03 34.32 42.90 47.19 25.74	42.91
26 05 33 13-1241 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body ..... <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Work In Restricted Working Space, Add</i>	489.52 10.30 20.59 25.74 36.04 41.19 51.49 56.63 30.89	51.49
26 05 33 13-1242 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body ..... <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Work In Restricted Working Space, Add</i>	716.37 14.48 28.96 36.20 50.68 57.92 72.40 79.63 43.44	72.40
26 05 33 13-1243 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body ..... <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Work In Restricted Working Space, Add</i>	901.19 19.31 38.61 48.27 67.57 77.22 96.53 106.18 57.92	96.53
26 05 33 13-1244 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body ..... <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Work In Restricted Working Space, Add</i>	1,331.93 24.13 48.26 60.33 84.46 96.53 120.66 132.73 72.40	120.66
26 05 33 13-1245 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body ..... <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Work In Restricted Working Space, Add</i>	1,669.96 29.39 58.78 73.47 102.86 117.55 146.94 161.63 88.16	146.94
<b>26 05 33 13-1246 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Covers</b> <small>(26 05 33 13-0843)</small>		
26 05 33 13-1247 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover ..... <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Work In Restricted Working Space, Add</i>	138.16 0.97 1.93 2.41 3.38 3.86 4.83 5.31 2.90	4.83
26 05 33 13-1248 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover ..... <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Work In Restricted Working Space, Add</i>	139.24 1.07 2.15 2.68 3.76 4.29 5.37 5.90 3.22	5.36

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1249 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover	196.87	7.51
For Elevated Installation >10' To 15', Add	1.50	
For Elevated Installation >15' To 20', Add	3.00	
For Elevated Installation >20' To 25', Add	3.75	
For Elevated Installation >25' To 30', Add	5.25	
For Elevated Installation >30' To 35', Add	6.00	
For Elevated Installation >35' To 40', Add	7.51	
For Elevated Installation >40', Add	8.26	
For Work In Restricted Working Space, Add	4.50	
26 05 33 13-1250 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover	199.02	8.58
For Elevated Installation >10' To 15', Add	1.72	
For Elevated Installation >15' To 20', Add	3.43	
For Elevated Installation >20' To 25', Add	4.29	
For Elevated Installation >25' To 30', Add	6.01	
For Elevated Installation >30' To 35', Add	6.86	
For Elevated Installation >35' To 40', Add	8.58	
For Elevated Installation >40', Add	9.44	
For Work In Restricted Working Space, Add	5.15	
26 05 33 13-1251 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover	350.38	10.18
For Elevated Installation >10' To 15', Add	2.04	
For Elevated Installation >15' To 20', Add	4.08	
For Elevated Installation >20' To 25', Add	5.10	
For Elevated Installation >25' To 30', Add	7.13	
For Elevated Installation >30' To 35', Add	8.15	
For Elevated Installation >35' To 40', Add	10.19	
For Elevated Installation >40', Add	11.21	
For Work In Restricted Working Space, Add	6.11	
26 05 33 13-1252 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover	355.74	12.87
For Elevated Installation >10' To 15', Add	2.57	
For Elevated Installation >15' To 20', Add	5.15	
For Elevated Installation >20' To 25', Add	6.44	
For Elevated Installation >25' To 30', Add	9.01	
For Elevated Installation >30' To 35', Add	10.30	
For Elevated Installation >35' To 40', Add	12.87	
For Elevated Installation >40', Add	14.16	
For Work In Restricted Working Space, Add	7.72	
26 05 33 13-1253 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover	538.47	14.48
For Elevated Installation >10' To 15', Add	2.90	
For Elevated Installation >15' To 20', Add	5.79	
For Elevated Installation >20' To 25', Add	7.24	
For Elevated Installation >25' To 30', Add	10.14	
For Elevated Installation >30' To 35', Add	11.58	
For Elevated Installation >35' To 40', Add	14.48	
For Elevated Installation >40', Add	15.93	
For Work In Restricted Working Space, Add	8.69	
26 05 33 13-1254 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover	547.05	18.77
For Elevated Installation >10' To 15', Add	3.75	
For Elevated Installation >15' To 20', Add	7.51	
For Elevated Installation >20' To 25', Add	9.39	
For Elevated Installation >25' To 30', Add	13.14	
For Elevated Installation >30' To 35', Add	15.02	
For Elevated Installation >35' To 40', Add	18.77	
For Elevated Installation >40', Add	20.65	
For Work In Restricted Working Space, Add	11.26	
<b>26 05 33 13-1255 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fittings</b> <small>(26 05 33 13-0843)</small>		
26 05 33 13-1256 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting	235.16	13.41
For Elevated Installation >10' To 15', Add	2.68	
For Elevated Installation >15' To 20', Add	5.36	
For Elevated Installation >20' To 25', Add	6.70	
For Elevated Installation >25' To 30', Add	9.38	
For Elevated Installation >30' To 35', Add	10.72	
For Elevated Installation >35' To 40', Add	13.41	
For Elevated Installation >40', Add	14.75	
For Work In Restricted Working Space, Add	8.04	
26 05 33 13-1257 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting	277.42	16.63
For Elevated Installation >10' To 15', Add	3.33	
For Elevated Installation >15' To 20', Add	6.65	
For Elevated Installation >20' To 25', Add	8.31	
For Elevated Installation >25' To 30', Add	11.64	
For Elevated Installation >30' To 35', Add	13.30	
For Elevated Installation >35' To 40', Add	16.63	
For Elevated Installation >40', Add	18.29	
For Work In Restricted Working Space, Add	9.98	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1258 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting.....	328.00	20.38
<i>For Elevated Installation &gt;10' To 15', Add</i>	4.08	
<i>For Elevated Installation &gt;15' To 20', Add</i>	8.15	
<i>For Elevated Installation &gt;20' To 25', Add</i>	10.19	
<i>For Elevated Installation &gt;25' To 30', Add</i>	14.27	
<i>For Elevated Installation &gt;30' To 35', Add</i>	16.30	
<i>For Elevated Installation &gt;35' To 40', Add</i>	20.38	
<i>For Elevated Installation &gt;40', Add</i>	22.42	
<i>For Work In Restricted Working Space, Add</i>	12.23	
26 05 33 13-1259 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting.....	404.89	23.60
<i>For Elevated Installation &gt;10' To 15', Add</i>	4.72	
<i>For Elevated Installation &gt;15' To 20', Add</i>	9.44	
<i>For Elevated Installation &gt;20' To 25', Add</i>	11.80	
<i>For Elevated Installation &gt;25' To 30', Add</i>	16.52	
<i>For Elevated Installation &gt;30' To 35', Add</i>	18.88	
<i>For Elevated Installation &gt;35' To 40', Add</i>	23.60	
<i>For Elevated Installation &gt;40', Add</i>	25.95	
<i>For Work In Restricted Working Space, Add</i>	14.16	
26 05 33 13-1260 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting.....	543.83	26.81
<i>For Elevated Installation &gt;10' To 15', Add</i>	5.36	
<i>For Elevated Installation &gt;15' To 20', Add</i>	10.72	
<i>For Elevated Installation &gt;20' To 25', Add</i>	13.41	
<i>For Elevated Installation &gt;25' To 30', Add</i>	18.77	
<i>For Elevated Installation &gt;30' To 35', Add</i>	21.45	
<i>For Elevated Installation &gt;35' To 40', Add</i>	26.81	
<i>For Elevated Installation &gt;40', Add</i>	29.49	
<i>For Work In Restricted Working Space, Add</i>	16.09	
26 05 33 13-1261 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting.....	757.11	29.49
<i>For Elevated Installation &gt;10' To 15', Add</i>	5.90	
<i>For Elevated Installation &gt;15' To 20', Add</i>	11.80	
<i>For Elevated Installation &gt;20' To 25', Add</i>	14.75	
<i>For Elevated Installation &gt;25' To 30', Add</i>	20.65	
<i>For Elevated Installation &gt;30' To 35', Add</i>	23.60	
<i>For Elevated Installation &gt;35' To 40', Add</i>	29.50	
<i>For Elevated Installation &gt;40', Add</i>	32.44	
<i>For Work In Restricted Working Space, Add</i>	17.70	
26 05 33 13-1262 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting.....	1,084.07	37.01
<i>For Elevated Installation &gt;10' To 15', Add</i>	7.40	
<i>For Elevated Installation &gt;15' To 20', Add</i>	14.80	
<i>For Elevated Installation &gt;20' To 25', Add</i>	18.50	
<i>For Elevated Installation &gt;25' To 30', Add</i>	25.90	
<i>For Elevated Installation &gt;30' To 35', Add</i>	29.60	
<i>For Elevated Installation &gt;35' To 40', Add</i>	37.00	
<i>For Elevated Installation &gt;40', Add</i>	40.70	
<i>For Work In Restricted Working Space, Add</i>	22.20	
26 05 33 13-1263 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting.....	1,345.58	50.41
<i>For Elevated Installation &gt;10' To 15', Add</i>	10.08	
<i>For Elevated Installation &gt;15' To 20', Add</i>	20.16	
<i>For Elevated Installation &gt;20' To 25', Add</i>	25.21	
<i>For Elevated Installation &gt;25' To 30', Add</i>	35.29	
<i>For Elevated Installation &gt;30' To 35', Add</i>	40.33	
<i>For Elevated Installation &gt;35' To 40', Add</i>	50.41	
<i>For Elevated Installation &gt;40', Add</i>	55.45	
<i>For Work In Restricted Working Space, Add</i>	30.25	
26 05 33 13-1264 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting.....	1,895.47	56.84
<i>For Elevated Installation &gt;10' To 15', Add</i>	11.37	
<i>For Elevated Installation &gt;15' To 20', Add</i>	22.74	
<i>For Elevated Installation &gt;20' To 25', Add</i>	28.42	
<i>For Elevated Installation &gt;25' To 30', Add</i>	39.79	
<i>For Elevated Installation &gt;30' To 35', Add</i>	45.48	
<i>For Elevated Installation &gt;35' To 40', Add</i>	56.85	
<i>For Elevated Installation &gt;40', Add</i>	62.53	
<i>For Work In Restricted Working Space, Add</i>	34.11	
26 05 33 13-1265 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting.....	2,179.97	74.00
<i>For Elevated Installation &gt;10' To 15', Add</i>	14.80	
<i>For Elevated Installation &gt;15' To 20', Add</i>	29.60	
<i>For Elevated Installation &gt;20' To 25', Add</i>	37.00	
<i>For Elevated Installation &gt;25' To 30', Add</i>	51.80	
<i>For Elevated Installation &gt;30' To 35', Add</i>	59.20	
<i>For Elevated Installation &gt;35' To 40', Add</i>	74.01	
<i>For Elevated Installation &gt;40', Add</i>	81.41	
<i>For Work In Restricted Working Space, Add</i>	44.40	
<b>26 05 33 13-1266 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fittings With Bonding Jumper</b>		
<small>(26 05 33 13-0843)</small>		
26 05 33 13-1267 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper .....	377.90	13.41
<i>For Elevated Installation &gt;10' To 15', Add</i>	2.68	
<i>For Elevated Installation &gt;15' To 20', Add</i>	5.36	
<i>For Elevated Installation &gt;20' To 25', Add</i>	6.70	
<i>For Elevated Installation &gt;25' To 30', Add</i>	9.38	
<i>For Elevated Installation &gt;30' To 35', Add</i>	10.72	
<i>For Elevated Installation &gt;35' To 40', Add</i>	13.41	
<i>For Elevated Installation &gt;40', Add</i>	14.75	
<i>For Work In Restricted Working Space, Add</i>	8.04	

**26 Electrical**

**26 05 Common Work Results for Electrical**

**26 05 33 Raceway and Boxes for Electrical Systems**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-1268	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper	390.95	16.63
			<i>For Elevated Installation &gt;10' To 15', Add</i>	3.33	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	6.65	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	8.31	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	11.64	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	13.30	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	16.63	
			<i>For Elevated Installation &gt;40', Add</i>	18.29	
			<i>For Work In Restricted Working Space, Add</i>	9.98	
26 05 33	13-1269	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper	438.16	20.38
			<i>For Elevated Installation &gt;10' To 15', Add</i>	4.08	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	8.15	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	10.19	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	14.27	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	16.30	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	20.38	
			<i>For Elevated Installation &gt;40', Add</i>	22.42	
			<i>For Work In Restricted Working Space, Add</i>	12.23	
26 05 33	13-1270	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper	530.78	23.60
			<i>For Elevated Installation &gt;10' To 15', Add</i>	4.72	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	9.44	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	11.80	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	16.52	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	18.88	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	23.60	
			<i>For Elevated Installation &gt;40', Add</i>	25.95	
			<i>For Work In Restricted Working Space, Add</i>	14.16	
26 05 33	13-1271	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper	644.35	26.81
			<i>For Elevated Installation &gt;10' To 15', Add</i>	5.36	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	10.72	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	13.41	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	18.77	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	21.45	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	26.81	
			<i>For Elevated Installation &gt;40', Add</i>	29.49	
			<i>For Work In Restricted Working Space, Add</i>	16.09	
26 05 33	13-1272	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper	826.31	29.49
			<i>For Elevated Installation &gt;10' To 15', Add</i>	5.90	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	11.80	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	14.75	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	20.65	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	23.60	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	29.50	
			<i>For Elevated Installation &gt;40', Add</i>	32.44	
			<i>For Work In Restricted Working Space, Add</i>	17.70	
26 05 33	13-1273	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper	1,223.46	37.01
			<i>For Elevated Installation &gt;10' To 15', Add</i>	7.40	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	14.80	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	18.50	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	25.90	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	29.60	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	37.00	
			<i>For Elevated Installation &gt;40', Add</i>	40.70	
			<i>For Work In Restricted Working Space, Add</i>	22.20	
26 05 33	13-1274	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper	1,531.85	50.41
			<i>For Elevated Installation &gt;10' To 15', Add</i>	10.08	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	20.16	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	25.21	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	35.29	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	40.33	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	50.41	
			<i>For Elevated Installation &gt;40', Add</i>	55.45	
			<i>For Work In Restricted Working Space, Add</i>	30.25	
26 05 33	13-1275	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper	1,955.60	56.84
			<i>For Elevated Installation &gt;10' To 15', Add</i>	11.37	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	22.74	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	28.42	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	39.79	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	45.48	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	56.85	
			<i>For Elevated Installation &gt;40', Add</i>	62.53	
			<i>For Work In Restricted Working Space, Add</i>	34.11	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1276 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper .....	2,446.30	74.00
<i>For Elevated Installation &gt;10' To 15', Add</i>	14.80	
<i>For Elevated Installation &gt;15' To 20', Add</i>	29.60	
<i>For Elevated Installation &gt;20' To 25', Add</i>	37.00	
<i>For Elevated Installation &gt;25' To 30', Add</i>	51.80	
<i>For Elevated Installation &gt;30' To 35', Add</i>	59.20	
<i>For Elevated Installation &gt;35' To 40', Add</i>	74.01	
<i>For Elevated Installation &gt;40', Add</i>	81.41	
<i>For Work In Restricted Working Space, Add</i>	44.40	
<b>26 05 33 13-1277 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), STG Knockout Hubs (26 05 33 13-0843)</b>		
26 05 33 13-1278 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub .....	76.62	6.43
<i>For Elevated Installation &gt;10' To 15', Add</i>	1.29	
<i>For Elevated Installation &gt;15' To 20', Add</i>	2.57	
<i>For Elevated Installation &gt;20' To 25', Add</i>	3.22	
<i>For Elevated Installation &gt;25' To 30', Add</i>	4.50	
<i>For Elevated Installation &gt;30' To 35', Add</i>	5.15	
<i>For Elevated Installation &gt;35' To 40', Add</i>	6.44	
<i>For Elevated Installation &gt;40', Add</i>	7.08	
<i>For Work In Restricted Working Space, Add</i>	3.86	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.86	
26 05 33 13-1279 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub .....	82.52	8.05
<i>For Elevated Installation &gt;10' To 15', Add</i>	1.61	
<i>For Elevated Installation &gt;15' To 20', Add</i>	3.22	
<i>For Elevated Installation &gt;20' To 25', Add</i>	4.02	
<i>For Elevated Installation &gt;25' To 30', Add</i>	5.63	
<i>For Elevated Installation &gt;30' To 35', Add</i>	6.43	
<i>For Elevated Installation &gt;35' To 40', Add</i>	8.04	
<i>For Elevated Installation &gt;40', Add</i>	8.84	
<i>For Work In Restricted Working Space, Add</i>	4.82	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.82	
26 05 33 13-1280 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub .....	90.38	9.65
<i>For Elevated Installation &gt;10' To 15', Add</i>	1.93	
<i>For Elevated Installation &gt;15' To 20', Add</i>	3.86	
<i>For Elevated Installation &gt;20' To 25', Add</i>	4.83	
<i>For Elevated Installation &gt;25' To 30', Add</i>	6.76	
<i>For Elevated Installation &gt;30' To 35', Add</i>	7.72	
<i>For Elevated Installation &gt;35' To 40', Add</i>	9.66	
<i>For Elevated Installation &gt;40', Add</i>	10.62	
<i>For Work In Restricted Working Space, Add</i>	5.79	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.79	
26 05 33 13-1281 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub .....	101.79	11.80
<i>For Elevated Installation &gt;10' To 15', Add</i>	2.36	
<i>For Elevated Installation &gt;15' To 20', Add</i>	4.72	
<i>For Elevated Installation &gt;20' To 25', Add</i>	5.90	
<i>For Elevated Installation &gt;25' To 30', Add</i>	8.26	
<i>For Elevated Installation &gt;30' To 35', Add</i>	9.44	
<i>For Elevated Installation &gt;35' To 40', Add</i>	11.80	
<i>For Elevated Installation &gt;40', Add</i>	12.98	
<i>For Work In Restricted Working Space, Add</i>	7.08	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.08	
26 05 33 13-1282 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub .....	138.18	13.41
<i>For Elevated Installation &gt;10' To 15', Add</i>	2.68	
<i>For Elevated Installation &gt;15' To 20', Add</i>	5.36	
<i>For Elevated Installation &gt;20' To 25', Add</i>	6.70	
<i>For Elevated Installation &gt;25' To 30', Add</i>	9.38	
<i>For Elevated Installation &gt;30' To 35', Add</i>	10.72	
<i>For Elevated Installation &gt;35' To 40', Add</i>	13.41	
<i>For Elevated Installation &gt;40', Add</i>	14.75	
<i>For Work In Restricted Working Space, Add</i>	8.04	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.04	
26 05 33 13-1283 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub .....	169.57	15.01
<i>For Elevated Installation &gt;10' To 15', Add</i>	3.00	
<i>For Elevated Installation &gt;15' To 20', Add</i>	6.01	
<i>For Elevated Installation &gt;20' To 25', Add</i>	7.51	
<i>For Elevated Installation &gt;25' To 30', Add</i>	10.51	
<i>For Elevated Installation &gt;30' To 35', Add</i>	12.01	
<i>For Elevated Installation &gt;35' To 40', Add</i>	15.02	
<i>For Elevated Installation &gt;40', Add</i>	16.52	
<i>For Work In Restricted Working Space, Add</i>	9.01	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.01	
26 05 33 13-1284 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub .....	244.14	18.77
<i>For Elevated Installation &gt;10' To 15', Add</i>	3.75	
<i>For Elevated Installation &gt;15' To 20', Add</i>	7.51	
<i>For Elevated Installation &gt;20' To 25', Add</i>	9.39	
<i>For Elevated Installation &gt;25' To 30', Add</i>	13.14	
<i>For Elevated Installation &gt;30' To 35', Add</i>	15.02	
<i>For Elevated Installation &gt;35' To 40', Add</i>	18.77	
<i>For Elevated Installation &gt;40', Add</i>	20.65	
<i>For Work In Restricted Working Space, Add</i>	11.26	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.26	

**26 Electrical**

**26 05 Common Work Results for Electrical**

**26 05 33 Raceway and Boxes for Electrical Systems**



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1285 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub ..... <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	318.36 5.04 10.08 12.60 17.64 20.16 25.21 27.73 15.12 15.12	25.21
26 05 33 13-1286 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub ..... <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	408.44 5.68 11.37 14.21 19.89 22.74 28.42 31.26 17.05 17.05	28.43
26 05 33 13-1287 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub ..... <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	513.05 7.40 14.80 18.50 25.90 29.60 37.00 40.70 22.20 22.20	37.01
26 05 33 13-1288 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub ..... <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	630.73 12.01 24.03 30.03 42.05 48.05 60.07 66.07 36.04 36.04	60.06
26 05 33 13-1289 EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub ..... <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	951.20 18.13 36.25 45.32 63.44 72.50 90.63 99.69 54.38 54.38	90.63
<b>26 05 33 13-1290 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), STTB Knockout Hubs</b> <small>(26 05 33 13-0843)</small>		
26 05 33 13-1291 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub..... <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	117.17 1.29 2.57 3.22 4.50 5.15 6.44 7.08 3.86 3.86	6.43
26 05 33 13-1292 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub..... <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	123.36 1.61 3.22 4.02 5.63 6.43 8.04 8.84 4.82 4.82	8.05
26 05 33 13-1293 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub..... <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	132.11 1.93 3.86 4.83 6.76 7.72 9.66 10.62 5.79 5.79	9.65





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1294 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub ..... <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	150.46 2.36 4.72 5.90 8.26 9.44 11.80 12.98 7.08 7.08	11.80
26 05 33 13-1295 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub ..... <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	161.16 2.68 5.36 6.70 9.38 10.72 13.41 14.75 8.04 8.04	13.41
26 05 33 13-1296 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub..... <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	182.37 3.00 6.01 7.51 10.51 12.01 15.02 16.52 9.01 9.01	15.01
26 05 33 13-1297 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub ..... <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	280.06 3.75 7.51 9.39 13.14 15.02 18.77 20.65 11.26 11.26	18.77
26 05 33 13-1298 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub..... <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	333.85 5.04 10.08 12.60 17.64 20.16 25.21 27.73 15.12 15.12	25.21
26 05 33 13-1299 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub ..... <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	411.78 5.68 11.37 14.21 19.89 22.74 28.42 31.26 17.05 17.05	28.43
26 05 33 13-1300 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub..... <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	534.64 7.40 14.80 18.50 25.90 29.60 37.00 40.70 22.20 22.20	37.01
26 05 33 13-1301 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub..... <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	830.45 12.01 24.03 30.03 42.05 48.05 60.07 66.07 36.04 36.04	60.06

**26 Electrical**  
**26 05 Common Work Results for Electrical**  
**26 05 33 Raceway and Boxes for Electrical Systems**



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1302	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub.....	1,362.79	90.63
		<i>For Elevated Installation &gt;10' To 15', Add</i>	18.13	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	36.25	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	45.32	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	63.44	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	72.50	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	90.63	
		<i>For Elevated Installation &gt;40', Add</i>	99.69	
		<i>For Work In Restricted Working Space, Add</i>	54.38	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	54.38	
<b>26 05 33 13-1303 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), STTTB Knockout Hubs (26 05 33 13-0843)</b>				
26 05 33 13-1304	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTTB Knockout Hub .....	126.18	6.43
		<i>For Elevated Installation &gt;10' To 15', Add</i>	1.29	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	2.57	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	3.22	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	4.50	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	5.15	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	6.44	
		<i>For Elevated Installation &gt;40', Add</i>	7.08	
		<i>For Work In Restricted Working Space, Add</i>	3.86	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.86	
26 05 33 13-1305	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTTB Knockout Hub .....	131.91	8.05
		<i>For Elevated Installation &gt;10' To 15', Add</i>	1.61	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	3.22	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	4.02	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	5.63	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	6.43	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	8.04	
		<i>For Elevated Installation &gt;40', Add</i>	8.84	
		<i>For Work In Restricted Working Space, Add</i>	4.82	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.82	
26 05 33 13-1306	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTTB Knockout Hub .....	141.06	9.65
		<i>For Elevated Installation &gt;10' To 15', Add</i>	1.93	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	3.86	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	4.83	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	6.76	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	7.72	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	9.66	
		<i>For Elevated Installation &gt;40', Add</i>	10.62	
		<i>For Work In Restricted Working Space, Add</i>	5.79	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.79	
26 05 33 13-1307	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTTB Knockout Hub .....	177.61	11.80
		<i>For Elevated Installation &gt;10' To 15', Add</i>	2.36	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	4.72	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	5.90	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	8.26	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	9.44	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	11.80	
		<i>For Elevated Installation &gt;40', Add</i>	12.98	
		<i>For Work In Restricted Working Space, Add</i>	7.08	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.08	
26 05 33 13-1308	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTTB Knockout Hub .....	193.93	13.41
		<i>For Elevated Installation &gt;10' To 15', Add</i>	2.68	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	5.36	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	6.70	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	9.38	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	10.72	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	13.41	
		<i>For Elevated Installation &gt;40', Add</i>	14.75	
		<i>For Work In Restricted Working Space, Add</i>	8.04	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.04	
26 05 33 13-1309	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTTB Knockout Hub .....	204.98	15.01
		<i>For Elevated Installation &gt;10' To 15', Add</i>	3.00	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	6.01	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	7.51	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	10.51	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	12.01	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	15.02	
		<i>For Elevated Installation &gt;40', Add</i>	16.52	
		<i>For Work In Restricted Working Space, Add</i>	9.01	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.01	

**26 05 33 13-1310 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), UNF Conduit Unions (26 05 33 13-0843)**



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1311 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union .....	89.37	13.41
<i>For Elevated Installation &gt;10' To 15', Add</i>	2.68	
<i>For Elevated Installation &gt;15' To 20', Add</i>	5.36	
<i>For Elevated Installation &gt;20' To 25', Add</i>	6.70	
<i>For Elevated Installation &gt;25' To 30', Add</i>	9.38	
<i>For Elevated Installation &gt;30' To 35', Add</i>	10.72	
<i>For Elevated Installation &gt;35' To 40', Add</i>	13.41	
<i>For Elevated Installation &gt;40', Add</i>	14.75	
<i>For Work In Restricted Working Space, Add</i>	8.04	
26 05 33 13-1312 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union .....	96.95	16.63
<i>For Elevated Installation &gt;10' To 15', Add</i>	3.33	
<i>For Elevated Installation &gt;15' To 20', Add</i>	6.65	
<i>For Elevated Installation &gt;20' To 25', Add</i>	8.31	
<i>For Elevated Installation &gt;25' To 30', Add</i>	11.64	
<i>For Elevated Installation &gt;30' To 35', Add</i>	13.30	
<i>For Elevated Installation &gt;35' To 40', Add</i>	16.63	
<i>For Elevated Installation &gt;40', Add</i>	18.29	
<i>For Work In Restricted Working Space, Add</i>	9.98	
26 05 33 13-1313 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union .....	126.15	20.38
<i>For Elevated Installation &gt;10' To 15', Add</i>	4.08	
<i>For Elevated Installation &gt;15' To 20', Add</i>	8.15	
<i>For Elevated Installation &gt;20' To 25', Add</i>	10.19	
<i>For Elevated Installation &gt;25' To 30', Add</i>	14.27	
<i>For Elevated Installation &gt;30' To 35', Add</i>	16.30	
<i>For Elevated Installation &gt;35' To 40', Add</i>	20.38	
<i>For Elevated Installation &gt;40', Add</i>	22.42	
<i>For Work In Restricted Working Space, Add</i>	12.23	
26 05 33 13-1314 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union .....	184.62	23.60
<i>For Elevated Installation &gt;10' To 15', Add</i>	4.72	
<i>For Elevated Installation &gt;15' To 20', Add</i>	9.44	
<i>For Elevated Installation &gt;20' To 25', Add</i>	11.80	
<i>For Elevated Installation &gt;25' To 30', Add</i>	16.52	
<i>For Elevated Installation &gt;30' To 35', Add</i>	18.88	
<i>For Elevated Installation &gt;35' To 40', Add</i>	23.60	
<i>For Elevated Installation &gt;40', Add</i>	25.95	
<i>For Work In Restricted Working Space, Add</i>	14.16	
26 05 33 13-1315 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union .....	219.38	26.81
<i>For Elevated Installation &gt;10' To 15', Add</i>	5.36	
<i>For Elevated Installation &gt;15' To 20', Add</i>	10.72	
<i>For Elevated Installation &gt;20' To 25', Add</i>	13.41	
<i>For Elevated Installation &gt;25' To 30', Add</i>	18.77	
<i>For Elevated Installation &gt;30' To 35', Add</i>	21.45	
<i>For Elevated Installation &gt;35' To 40', Add</i>	26.81	
<i>For Elevated Installation &gt;40', Add</i>	29.49	
<i>For Work In Restricted Working Space, Add</i>	16.09	
26 05 33 13-1316 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union .....	279.89	29.49
<i>For Elevated Installation &gt;10' To 15', Add</i>	5.90	
<i>For Elevated Installation &gt;15' To 20', Add</i>	11.80	
<i>For Elevated Installation &gt;20' To 25', Add</i>	14.75	
<i>For Elevated Installation &gt;25' To 30', Add</i>	20.65	
<i>For Elevated Installation &gt;30' To 35', Add</i>	23.60	
<i>For Elevated Installation &gt;35' To 40', Add</i>	29.50	
<i>For Elevated Installation &gt;40', Add</i>	32.44	
<i>For Work In Restricted Working Space, Add</i>	17.70	
26 05 33 13-1317 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union .....	373.07	37.01
<i>For Elevated Installation &gt;10' To 15', Add</i>	7.40	
<i>For Elevated Installation &gt;15' To 20', Add</i>	14.80	
<i>For Elevated Installation &gt;20' To 25', Add</i>	18.50	
<i>For Elevated Installation &gt;25' To 30', Add</i>	25.90	
<i>For Elevated Installation &gt;30' To 35', Add</i>	29.60	
<i>For Elevated Installation &gt;35' To 40', Add</i>	37.00	
<i>For Elevated Installation &gt;40', Add</i>	40.70	
<i>For Work In Restricted Working Space, Add</i>	22.20	
26 05 33 13-1318 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union .....	486.31	37.01
<i>For Elevated Installation &gt;10' To 15', Add</i>	7.40	
<i>For Elevated Installation &gt;15' To 20', Add</i>	14.80	
<i>For Elevated Installation &gt;20' To 25', Add</i>	18.50	
<i>For Elevated Installation &gt;25' To 30', Add</i>	25.90	
<i>For Elevated Installation &gt;30' To 35', Add</i>	29.60	
<i>For Elevated Installation &gt;35' To 40', Add</i>	37.00	
<i>For Elevated Installation &gt;40', Add</i>	40.70	
<i>For Work In Restricted Working Space, Add</i>	22.20	
26 05 33 13-1319 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union .....	625.13	56.84
<i>For Elevated Installation &gt;10' To 15', Add</i>	11.37	
<i>For Elevated Installation &gt;15' To 20', Add</i>	22.74	
<i>For Elevated Installation &gt;20' To 25', Add</i>	28.42	
<i>For Elevated Installation &gt;25' To 30', Add</i>	39.79	
<i>For Elevated Installation &gt;30' To 35', Add</i>	45.48	
<i>For Elevated Installation &gt;35' To 40', Add</i>	56.85	
<i>For Elevated Installation &gt;40', Add</i>	62.53	
<i>For Work In Restricted Working Space, Add</i>	34.11	

**26 Electrical**

**26 05 Common Work Results for Electrical**

**26 05 33 Raceway and Boxes for Electrical Systems**



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1320	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union .....	804.71	74.00
		<i>For Elevated Installation &gt;10' To 15', Add</i>	14.80	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	29.60	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	37.00	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	51.80	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	59.20	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	74.01	
		<i>For Elevated Installation &gt;40', Add</i>	81.41	
		<i>For Work In Restricted Working Space, Add</i>	44.40	
26 05 33 13-1321	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union .....	1,468.78	120.66
		<i>For Elevated Installation &gt;10' To 15', Add</i>	24.13	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	48.26	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	60.33	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	84.46	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	96.53	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	120.66	
		<i>For Elevated Installation &gt;40', Add</i>	132.73	
		<i>For Work In Restricted Working Space, Add</i>	72.40	
26 05 33 13-1322	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union .....	1,824.41	181.26
		<i>For Elevated Installation &gt;10' To 15', Add</i>	36.25	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	72.51	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	90.63	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	126.89	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	145.01	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	181.27	
		<i>For Elevated Installation &gt;40', Add</i>	199.39	
		<i>For Work In Restricted Working Space, Add</i>	108.76	
<b>26 05 33 13-1323 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), UNY Conduit Unions <small>(26 05 33 13-0843)</small></b>				
26 05 33 13-1324	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union .....	91.48	13.41
		<i>For Elevated Installation &gt;10' To 15', Add</i>	2.68	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	5.36	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	6.70	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	9.38	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	10.72	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	13.41	
		<i>For Elevated Installation &gt;40', Add</i>	14.75	
		<i>For Work In Restricted Working Space, Add</i>	8.04	
26 05 33 13-1325	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union .....	104.99	16.63
		<i>For Elevated Installation &gt;10' To 15', Add</i>	3.33	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	6.65	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	8.31	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	11.64	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	13.30	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	16.63	
		<i>For Elevated Installation &gt;40', Add</i>	18.29	
		<i>For Work In Restricted Working Space, Add</i>	9.98	
26 05 33 13-1326	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union .....	130.44	20.38
		<i>For Elevated Installation &gt;10' To 15', Add</i>	4.08	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	8.15	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	10.19	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	14.27	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	16.30	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	20.38	
		<i>For Elevated Installation &gt;40', Add</i>	22.42	
		<i>For Work In Restricted Working Space, Add</i>	12.23	
26 05 33 13-1327	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union .....	192.50	23.60
		<i>For Elevated Installation &gt;10' To 15', Add</i>	4.72	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	9.44	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	11.80	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	16.52	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	18.88	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	23.60	
		<i>For Elevated Installation &gt;40', Add</i>	25.95	
		<i>For Work In Restricted Working Space, Add</i>	14.16	
26 05 33 13-1328	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union .....	230.31	26.81
		<i>For Elevated Installation &gt;10' To 15', Add</i>	5.36	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	10.72	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	13.41	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	18.77	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	21.45	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	26.81	
		<i>For Elevated Installation &gt;40', Add</i>	29.49	
		<i>For Work In Restricted Working Space, Add</i>	16.09	
26 05 33 13-1329	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union .....	303.50	29.49
		<i>For Elevated Installation &gt;10' To 15', Add</i>	5.90	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	11.80	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	14.75	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	20.65	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	23.60	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	29.50	
		<i>For Elevated Installation &gt;40', Add</i>	32.44	
		<i>For Work In Restricted Working Space, Add</i>	17.70	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1330 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union.....	423.58	37.01
For Elevated Installation >10' To 15', Add	7.40	
For Elevated Installation >15' To 20', Add	14.80	
For Elevated Installation >20' To 25', Add	18.50	
For Elevated Installation >25' To 30', Add	25.90	
For Elevated Installation >30' To 35', Add	29.60	
For Elevated Installation >35' To 40', Add	37.00	
For Elevated Installation >40', Add	40.70	
For Work In Restricted Working Space, Add	22.20	
26 05 33 13-1331 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union.....	537.67	37.01
For Elevated Installation >10' To 15', Add	7.40	
For Elevated Installation >15' To 20', Add	14.80	
For Elevated Installation >20' To 25', Add	18.50	
For Elevated Installation >25' To 30', Add	25.90	
For Elevated Installation >30' To 35', Add	29.60	
For Elevated Installation >35' To 40', Add	37.00	
For Elevated Installation >40', Add	40.70	
For Work In Restricted Working Space, Add	22.20	
26 05 33 13-1332 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union.....	717.99	56.84
For Elevated Installation >10' To 15', Add	11.37	
For Elevated Installation >15' To 20', Add	22.74	
For Elevated Installation >20' To 25', Add	28.42	
For Elevated Installation >25' To 30', Add	39.79	
For Elevated Installation >30' To 35', Add	45.48	
For Elevated Installation >35' To 40', Add	56.85	
For Elevated Installation >40', Add	62.53	
For Work In Restricted Working Space, Add	34.11	
26 05 33 13-1333 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union.....	897.23	74.00
For Elevated Installation >10' To 15', Add	14.80	
For Elevated Installation >15' To 20', Add	29.60	
For Elevated Installation >20' To 25', Add	37.00	
For Elevated Installation >25' To 30', Add	51.80	
For Elevated Installation >30' To 35', Add	59.20	
For Elevated Installation >35' To 40', Add	74.01	
For Elevated Installation >40', Add	81.41	
For Work In Restricted Working Space, Add	44.40	
26 05 33 13-1334 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union.....	1,638.37	120.66
For Elevated Installation >10' To 15', Add	24.13	
For Elevated Installation >15' To 20', Add	48.26	
For Elevated Installation >20' To 25', Add	60.33	
For Elevated Installation >25' To 30', Add	84.46	
For Elevated Installation >30' To 35', Add	96.53	
For Elevated Installation >35' To 40', Add	120.66	
For Elevated Installation >40', Add	132.73	
For Work In Restricted Working Space, Add	72.40	
26 05 33 13-1335 EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union.....	2,098.25	181.26
For Elevated Installation >10' To 15', Add	36.25	
For Elevated Installation >15' To 20', Add	72.51	
For Elevated Installation >20' To 25', Add	90.63	
For Elevated Installation >25' To 30', Add	126.89	
For Elevated Installation >30' To 35', Add	145.01	
For Elevated Installation >35' To 40', Add	181.27	
For Elevated Installation >40', Add	199.39	
For Work In Restricted Working Space, Add	108.76	
<b>26 05 33 13-1336 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), Reducing Couplings</b> <small>(26 05 33 13-0843)</small>		
26 05 33 13-1337 EA 3/4" x 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling.....	50.90	4.29
For Elevated Installation >10' To 15', Add	0.86	
For Elevated Installation >15' To 20', Add	1.72	
For Elevated Installation >20' To 25', Add	2.15	
For Elevated Installation >25' To 30', Add	3.00	
For Elevated Installation >30' To 35', Add	3.43	
For Elevated Installation >35' To 40', Add	4.29	
For Elevated Installation >40', Add	4.72	
For Work In Restricted Working Space, Add	2.57	
26 05 33 13-1338 EA 1" x 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling.....	55.59	5.36
For Elevated Installation >10' To 15', Add	1.07	
For Elevated Installation >15' To 20', Add	2.15	
For Elevated Installation >20' To 25', Add	2.68	
For Elevated Installation >25' To 30', Add	3.76	
For Elevated Installation >30' To 35', Add	4.29	
For Elevated Installation >35' To 40', Add	5.37	
For Elevated Installation >40', Add	5.90	
For Work In Restricted Working Space, Add	3.22	
26 05 33 13-1339 EA 1" x 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling.....	63.50	5.36
For Elevated Installation >10' To 15', Add	1.07	
For Elevated Installation >15' To 20', Add	2.15	
For Elevated Installation >20' To 25', Add	2.68	
For Elevated Installation >25' To 30', Add	3.76	
For Elevated Installation >30' To 35', Add	4.29	
For Elevated Installation >35' To 40', Add	5.37	
For Elevated Installation >40', Add	5.90	
For Work In Restricted Working Space, Add	3.22	

**26 Electrical**

**26 05 Common Work Results for Electrical**

**26 05 33 Raceway and Boxes for Electrical Systems**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-1340	EA	1-1/4" x 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling.....	78.74	5.90
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.18	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	2.36	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	2.95	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	4.13	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	4.72	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	5.90	
			<i>For Elevated Installation &gt;40', Add</i>	6.49	
			<i>For Work In Restricted Working Space, Add</i>	3.54	
26 05 33	13-1341	EA	1-1/4" x 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling.....	83.30	5.90
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.18	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	2.36	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	2.95	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	4.13	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	4.72	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	5.90	
			<i>For Elevated Installation &gt;40', Add</i>	6.49	
			<i>For Work In Restricted Working Space, Add</i>	3.54	
26 05 33	13-1342	EA	1-1/2" x 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling.....	70.84	6.97
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.40	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	2.79	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	3.49	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	4.88	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	5.58	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	6.98	
			<i>For Elevated Installation &gt;40', Add</i>	7.67	
			<i>For Work In Restricted Working Space, Add</i>	4.19	
26 05 33	13-1343	EA	1-1/2" x 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling.....	81.02	6.97
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.40	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	2.79	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	3.49	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	4.88	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	5.58	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	6.98	
			<i>For Elevated Installation &gt;40', Add</i>	7.67	
			<i>For Work In Restricted Working Space, Add</i>	4.19	
26 05 33	13-1344	EA	1-1/2" x 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling.....	126.80	6.97
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.40	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	2.79	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	3.49	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	4.88	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	5.58	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	6.98	
			<i>For Elevated Installation &gt;40', Add</i>	7.67	
			<i>For Work In Restricted Working Space, Add</i>	4.19	
26 05 33	13-1345	EA	2" x 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling.....	140.83	8.05
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.61	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	3.22	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	4.02	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	5.63	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	6.43	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	8.04	
			<i>For Elevated Installation &gt;40', Add</i>	8.84	
			<i>For Work In Restricted Working Space, Add</i>	4.82	
26 05 33	13-1346	EA	2" x 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling.....	136.88	8.05
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.61	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	3.22	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	4.02	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	5.63	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	6.43	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	8.04	
			<i>For Elevated Installation &gt;40', Add</i>	8.84	
			<i>For Work In Restricted Working Space, Add</i>	4.82	
26 05 33	13-1347	EA	2" x 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling.....	144.23	8.05
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.61	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	3.22	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	4.02	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	5.63	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	6.43	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	8.04	
			<i>For Elevated Installation &gt;40', Add</i>	8.84	
			<i>For Work In Restricted Working Space, Add</i>	4.82	
26 05 33	13-1348	EA	2" x 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling.....	162.70	8.05
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.61	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	3.22	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	4.02	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	5.63	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	6.43	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	8.04	
			<i>For Elevated Installation &gt;40', Add</i>	8.84	
			<i>For Work In Restricted Working Space, Add</i>	4.82	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1349 EA 2-1/2" x 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling .....	160.96	9.65
<i>For Elevated Installation &gt;10' To 15', Add</i>	1.93	
<i>For Elevated Installation &gt;15' To 20', Add</i>	3.86	
<i>For Elevated Installation &gt;20' To 25', Add</i>	4.83	
<i>For Elevated Installation &gt;25' To 30', Add</i>	6.76	
<i>For Elevated Installation &gt;30' To 35', Add</i>	7.72	
<i>For Elevated Installation &gt;35' To 40', Add</i>	9.66	
<i>For Elevated Installation &gt;40', Add</i>	10.62	
<i>For Work In Restricted Working Space, Add</i>	5.79	
26 05 33 13-1350 EA 3" x 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling .....	204.82	13.41
<i>For Elevated Installation &gt;10' To 15', Add</i>	2.68	
<i>For Elevated Installation &gt;15' To 20', Add</i>	5.36	
<i>For Elevated Installation &gt;20' To 25', Add</i>	6.71	
<i>For Elevated Installation &gt;25' To 30', Add</i>	9.39	
<i>For Elevated Installation &gt;30' To 35', Add</i>	10.73	
<i>For Elevated Installation &gt;35' To 40', Add</i>	13.41	
<i>For Elevated Installation &gt;40', Add</i>	14.75	
<i>For Work In Restricted Working Space, Add</i>	8.05	
26 05 33 13-1351 EA 3-1/2" x 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling .....	303.18	15.55
<i>For Elevated Installation &gt;10' To 15', Add</i>	3.11	
<i>For Elevated Installation &gt;15' To 20', Add</i>	6.22	
<i>For Elevated Installation &gt;20' To 25', Add</i>	7.78	
<i>For Elevated Installation &gt;25' To 30', Add</i>	10.89	
<i>For Elevated Installation &gt;30' To 35', Add</i>	12.44	
<i>For Elevated Installation &gt;35' To 40', Add</i>	15.56	
<i>For Elevated Installation &gt;40', Add</i>	17.11	
<i>For Work In Restricted Working Space, Add</i>	9.33	
26 05 33 13-1352 EA 4" x 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling .....	405.39	21.45
<i>For Elevated Installation &gt;10' To 15', Add</i>	4.29	
<i>For Elevated Installation &gt;15' To 20', Add</i>	8.58	
<i>For Elevated Installation &gt;20' To 25', Add</i>	10.73	
<i>For Elevated Installation &gt;25' To 30', Add</i>	15.02	
<i>For Elevated Installation &gt;30' To 35', Add</i>	17.16	
<i>For Elevated Installation &gt;35' To 40', Add</i>	21.46	
<i>For Elevated Installation &gt;40', Add</i>	23.60	
<i>For Work In Restricted Working Space, Add</i>	12.87	
26 05 33 13-1353 EA 5" x 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling .....	505.91	29.49
<i>For Elevated Installation &gt;10' To 15', Add</i>	5.90	
<i>For Elevated Installation &gt;15' To 20', Add</i>	11.80	
<i>For Elevated Installation &gt;20' To 25', Add</i>	14.75	
<i>For Elevated Installation &gt;25' To 30', Add</i>	20.65	
<i>For Elevated Installation &gt;30' To 35', Add</i>	23.60	
<i>For Elevated Installation &gt;35' To 40', Add</i>	29.50	
<i>For Elevated Installation &gt;40', Add</i>	32.44	
<i>For Work In Restricted Working Space, Add</i>	17.70	
<b>26 05 33 13-1354 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), Nipples</b> <small>(26 05 33 13-0843)</small>		
26 05 33 13-1355 EA 1/2" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....	30.61	6.43
<i>For Elevated Installation &gt;10' To 15', Add</i>	1.29	
<i>For Elevated Installation &gt;15' To 20', Add</i>	2.57	
<i>For Elevated Installation &gt;20' To 25', Add</i>	3.22	
<i>For Elevated Installation &gt;25' To 30', Add</i>	4.50	
<i>For Elevated Installation &gt;30' To 35', Add</i>	5.15	
<i>For Elevated Installation &gt;35' To 40', Add</i>	6.44	
<i>For Elevated Installation &gt;40', Add</i>	7.08	
<i>For Work In Restricted Working Space, Add</i>	3.86	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.86	
26 05 33 13-1356 EA 3/4" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....	34.16	8.05
<i>For Elevated Installation &gt;10' To 15', Add</i>	1.61	
<i>For Elevated Installation &gt;15' To 20', Add</i>	3.22	
<i>For Elevated Installation &gt;20' To 25', Add</i>	4.02	
<i>For Elevated Installation &gt;25' To 30', Add</i>	5.63	
<i>For Elevated Installation &gt;30' To 35', Add</i>	6.43	
<i>For Elevated Installation &gt;35' To 40', Add</i>	8.04	
<i>For Elevated Installation &gt;40', Add</i>	8.84	
<i>For Work In Restricted Working Space, Add</i>	4.82	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.82	
26 05 33 13-1357 EA 1" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....	39.46	10.18
<i>For Elevated Installation &gt;10' To 15', Add</i>	2.04	
<i>For Elevated Installation &gt;15' To 20', Add</i>	4.08	
<i>For Elevated Installation &gt;20' To 25', Add</i>	5.10	
<i>For Elevated Installation &gt;25' To 30', Add</i>	7.13	
<i>For Elevated Installation &gt;30' To 35', Add</i>	8.15	
<i>For Elevated Installation &gt;35' To 40', Add</i>	10.19	
<i>For Elevated Installation &gt;40', Add</i>	11.21	
<i>For Work In Restricted Working Space, Add</i>	6.11	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.11	

**26 Electrical**

**26 05 Common Work Results for Electrical**

**26 05 33 Raceway and Boxes for Electrical Systems**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-1358	EA	1-1/4" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	47.06	11.80
			<i>For Elevated Installation &gt;10' To 15', Add</i>	2.36	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	4.72	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	5.90	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	8.26	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	9.44	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	11.80	
			<i>For Elevated Installation &gt;40', Add</i>	12.98	
			<i>For Work In Restricted Working Space, Add</i>	7.08	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.08	
26 05 33	13-1359	EA	1-1/2" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	51.04	13.41
			<i>For Elevated Installation &gt;10' To 15', Add</i>	2.68	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	5.36	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	6.70	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	9.38	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	10.72	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	13.41	
			<i>For Elevated Installation &gt;40', Add</i>	14.75	
			<i>For Work In Restricted Working Space, Add</i>	8.04	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.04	
26 05 33	13-1360	EA	1/2" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	33.97	6.97
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.40	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	2.79	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	3.49	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	4.88	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	5.58	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	6.98	
			<i>For Elevated Installation &gt;40', Add</i>	7.67	
			<i>For Work In Restricted Working Space, Add</i>	4.19	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.19	
26 05 33	13-1361	EA	3/4" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	36.59	8.05
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.61	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	3.22	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	4.02	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	5.63	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	6.43	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	8.04	
			<i>For Elevated Installation &gt;40', Add</i>	8.84	
			<i>For Work In Restricted Working Space, Add</i>	4.82	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.82	
26 05 33	13-1362	EA	1" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	41.90	10.18
			<i>For Elevated Installation &gt;10' To 15', Add</i>	2.04	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	4.08	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	5.10	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	7.13	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	8.15	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	10.19	
			<i>For Elevated Installation &gt;40', Add</i>	11.21	
			<i>For Work In Restricted Working Space, Add</i>	6.11	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.11	
26 05 33	13-1363	EA	1-1/4" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	49.66	11.80
			<i>For Elevated Installation &gt;10' To 15', Add</i>	2.36	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	4.72	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	5.90	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	8.26	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	9.44	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	11.80	
			<i>For Elevated Installation &gt;40', Add</i>	12.98	
			<i>For Work In Restricted Working Space, Add</i>	7.08	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.08	
26 05 33	13-1364	EA	1-1/2" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	53.84	13.41
			<i>For Elevated Installation &gt;10' To 15', Add</i>	2.68	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	5.36	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	6.70	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	9.38	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	10.72	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	13.41	
			<i>For Elevated Installation &gt;40', Add</i>	14.75	
			<i>For Work In Restricted Working Space, Add</i>	8.04	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.04	
26 05 33	13-1365	EA	2" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	58.27	15.01
			<i>For Elevated Installation &gt;10' To 15', Add</i>	3.00	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	6.01	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	7.51	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	10.51	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	12.01	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	15.02	
			<i>For Elevated Installation &gt;40', Add</i>	16.52	
			<i>For Work In Restricted Working Space, Add</i>	9.01	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.01	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1366 EA 1/2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	34.13	6.97
For Elevated Installation >10' To 15', Add	1.39	
For Elevated Installation >15' To 20', Add	2.79	
For Elevated Installation >20' To 25', Add	3.49	
For Elevated Installation >25' To 30', Add	4.88	
For Elevated Installation >30' To 35', Add	5.58	
For Elevated Installation >35' To 40', Add	6.97	
For Elevated Installation >40', Add	7.67	
For Work In Restricted Working Space, Add	4.18	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.18	
26 05 33 13-1367 EA 3/4" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	36.76	8.05
For Elevated Installation >10' To 15', Add	1.61	
For Elevated Installation >15' To 20', Add	3.22	
For Elevated Installation >20' To 25', Add	4.02	
For Elevated Installation >25' To 30', Add	5.63	
For Elevated Installation >30' To 35', Add	6.43	
For Elevated Installation >35' To 40', Add	8.04	
For Elevated Installation >40', Add	8.84	
For Work In Restricted Working Space, Add	4.82	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.82	
26 05 33 13-1368 EA 1" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	42.22	10.18
For Elevated Installation >10' To 15', Add	2.04	
For Elevated Installation >15' To 20', Add	4.08	
For Elevated Installation >20' To 25', Add	5.10	
For Elevated Installation >25' To 30', Add	7.13	
For Elevated Installation >30' To 35', Add	8.15	
For Elevated Installation >35' To 40', Add	10.19	
For Elevated Installation >40', Add	11.21	
For Work In Restricted Working Space, Add	6.11	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.11	
26 05 33 13-1369 EA 1-1/4" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	49.99	11.80
For Elevated Installation >10' To 15', Add	2.36	
For Elevated Installation >15' To 20', Add	4.72	
For Elevated Installation >20' To 25', Add	5.90	
For Elevated Installation >25' To 30', Add	8.26	
For Elevated Installation >30' To 35', Add	9.44	
For Elevated Installation >35' To 40', Add	11.80	
For Elevated Installation >40', Add	12.97	
For Work In Restricted Working Space, Add	7.08	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.08	
26 05 33 13-1370 EA 1-1/2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	54.17	13.41
For Elevated Installation >10' To 15', Add	2.68	
For Elevated Installation >15' To 20', Add	5.36	
For Elevated Installation >20' To 25', Add	6.70	
For Elevated Installation >25' To 30', Add	9.38	
For Elevated Installation >30' To 35', Add	10.72	
For Elevated Installation >35' To 40', Add	13.41	
For Elevated Installation >40', Add	14.75	
For Work In Restricted Working Space, Add	8.04	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.04	
26 05 33 13-1371 EA 2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	59.14	15.01
For Elevated Installation >10' To 15', Add	3.00	
For Elevated Installation >15' To 20', Add	6.01	
For Elevated Installation >20' To 25', Add	7.51	
For Elevated Installation >25' To 30', Add	10.51	
For Elevated Installation >30' To 35', Add	12.01	
For Elevated Installation >35' To 40', Add	15.02	
For Elevated Installation >40', Add	16.52	
For Work In Restricted Working Space, Add	9.01	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.01	
26 05 33 13-1372 EA 1/2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	36.43	6.97
For Elevated Installation >10' To 15', Add	1.39	
For Elevated Installation >15' To 20', Add	2.79	
For Elevated Installation >20' To 25', Add	3.49	
For Elevated Installation >25' To 30', Add	4.88	
For Elevated Installation >30' To 35', Add	5.58	
For Elevated Installation >35' To 40', Add	6.97	
For Elevated Installation >40', Add	7.67	
For Work In Restricted Working Space, Add	4.18	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.18	
26 05 33 13-1373 EA 3/4" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	39.06	8.05
For Elevated Installation >10' To 15', Add	1.61	
For Elevated Installation >15' To 20', Add	3.22	
For Elevated Installation >20' To 25', Add	4.02	
For Elevated Installation >25' To 30', Add	5.63	
For Elevated Installation >30' To 35', Add	6.43	
For Elevated Installation >35' To 40', Add	8.04	
For Elevated Installation >40', Add	8.84	
For Work In Restricted Working Space, Add	4.82	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.82	

**26 Electrical**

**26 05 Common Work Results for Electrical**

**26 05 33 Raceway and Boxes for Electrical Systems**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-1374	EA	1" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	44.69	10.18
			<i>For Elevated Installation &gt;10' To 15', Add</i>	2.04	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	4.08	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	5.10	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	7.13	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	8.15	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	10.19	
			<i>For Elevated Installation &gt;40', Add</i>	11.21	
			<i>For Work In Restricted Working Space, Add</i>	6.11	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.11	
26 05 33	13-1375	EA	1-1/4" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	51.39	11.80
			<i>For Elevated Installation &gt;10' To 15', Add</i>	2.36	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	4.72	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	5.90	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	8.26	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	9.44	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	11.80	
			<i>For Elevated Installation &gt;40', Add</i>	12.97	
			<i>For Work In Restricted Working Space, Add</i>	7.08	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.08	
26 05 33	13-1376	EA	1-1/2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	55.73	13.41
			<i>For Elevated Installation &gt;10' To 15', Add</i>	2.68	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	5.36	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	6.70	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	9.38	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	10.72	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	13.41	
			<i>For Elevated Installation &gt;40', Add</i>	14.75	
			<i>For Work In Restricted Working Space, Add</i>	8.04	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.04	
26 05 33	13-1377	EA	2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	61.85	15.01
			<i>For Elevated Installation &gt;10' To 15', Add</i>	3.00	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	6.01	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	7.51	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	10.51	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	12.01	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	15.02	
			<i>For Elevated Installation &gt;40', Add</i>	16.52	
			<i>For Work In Restricted Working Space, Add</i>	9.01	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.01	
26 05 33	13-1378	EA	2-1/2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	86.97	18.23
			<i>For Elevated Installation &gt;10' To 15', Add</i>	3.65	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	7.29	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	9.12	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	12.76	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	14.58	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	18.23	
			<i>For Elevated Installation &gt;40', Add</i>	20.05	
			<i>For Work In Restricted Working Space, Add</i>	10.94	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.94	
26 05 33	13-1379	EA	3" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	112.21	25.21
			<i>For Elevated Installation &gt;10' To 15', Add</i>	5.04	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	10.08	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	12.60	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	17.64	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	20.16	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	25.20	
			<i>For Elevated Installation &gt;40', Add</i>	27.72	
			<i>For Work In Restricted Working Space, Add</i>	15.12	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.12	
26 05 33	13-1380	EA	1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	36.60	6.97
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.39	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	2.79	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	3.49	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	4.88	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	5.58	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	6.97	
			<i>For Elevated Installation &gt;40', Add</i>	7.67	
			<i>For Work In Restricted Working Space, Add</i>	4.18	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.18	
26 05 33	13-1381	EA	3/4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	39.37	8.05
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.61	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	3.22	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	4.02	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	5.63	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	6.43	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	8.04	
			<i>For Elevated Installation &gt;40', Add</i>	8.84	
			<i>For Work In Restricted Working Space, Add</i>	4.82	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.82	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1382 EA 1" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	45.03	10.18
For Elevated Installation >10' To 15', Add	2.04	
For Elevated Installation >15' To 20', Add	4.08	
For Elevated Installation >20' To 25', Add	5.10	
For Elevated Installation >25' To 30', Add	7.13	
For Elevated Installation >30' To 35', Add	8.15	
For Elevated Installation >35' To 40', Add	10.19	
For Elevated Installation >40', Add	11.21	
For Work In Restricted Working Space, Add	6.11	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.11	
26 05 33 13-1383 EA 1-1/4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	52.80	11.80
For Elevated Installation >10' To 15', Add	2.36	
For Elevated Installation >15' To 20', Add	4.72	
For Elevated Installation >20' To 25', Add	5.90	
For Elevated Installation >25' To 30', Add	8.26	
For Elevated Installation >30' To 35', Add	9.44	
For Elevated Installation >35' To 40', Add	11.80	
For Elevated Installation >40', Add	12.97	
For Work In Restricted Working Space, Add	7.08	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.08	
26 05 33 13-1384 EA 1-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	57.28	13.41
For Elevated Installation >10' To 15', Add	2.68	
For Elevated Installation >15' To 20', Add	5.36	
For Elevated Installation >20' To 25', Add	6.70	
For Elevated Installation >25' To 30', Add	9.38	
For Elevated Installation >30' To 35', Add	10.72	
For Elevated Installation >35' To 40', Add	13.41	
For Elevated Installation >40', Add	14.75	
For Work In Restricted Working Space, Add	8.04	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.04	
26 05 33 13-1385 EA 2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	64.57	15.01
For Elevated Installation >10' To 15', Add	3.00	
For Elevated Installation >15' To 20', Add	6.01	
For Elevated Installation >20' To 25', Add	7.51	
For Elevated Installation >25' To 30', Add	10.51	
For Elevated Installation >30' To 35', Add	12.01	
For Elevated Installation >35' To 40', Add	15.02	
For Elevated Installation >40', Add	16.52	
For Work In Restricted Working Space, Add	9.01	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.01	
26 05 33 13-1386 EA 2-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	89.37	18.23
For Elevated Installation >10' To 15', Add	3.65	
For Elevated Installation >15' To 20', Add	7.29	
For Elevated Installation >20' To 25', Add	9.12	
For Elevated Installation >25' To 30', Add	12.76	
For Elevated Installation >30' To 35', Add	14.58	
For Elevated Installation >35' To 40', Add	18.23	
For Elevated Installation >40', Add	20.05	
For Work In Restricted Working Space, Add	10.94	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.94	
26 05 33 13-1387 EA 3" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	117.37	25.21
For Elevated Installation >10' To 15', Add	5.04	
For Elevated Installation >15' To 20', Add	10.08	
For Elevated Installation >20' To 25', Add	12.60	
For Elevated Installation >25' To 30', Add	17.64	
For Elevated Installation >30' To 35', Add	20.16	
For Elevated Installation >35' To 40', Add	25.20	
For Elevated Installation >40', Add	27.72	
For Work In Restricted Working Space, Add	15.12	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.12	
26 05 33 13-1388 EA 3-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	140.36	28.43
For Elevated Installation >10' To 15', Add	5.68	
For Elevated Installation >15' To 20', Add	11.37	
For Elevated Installation >20' To 25', Add	14.21	
For Elevated Installation >25' To 30', Add	19.89	
For Elevated Installation >30' To 35', Add	22.74	
For Elevated Installation >35' To 40', Add	28.42	
For Elevated Installation >40', Add	31.26	
For Work In Restricted Working Space, Add	17.05	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.05	
26 05 33 13-1389 EA 4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	163.37	37.01
For Elevated Installation >10' To 15', Add	7.40	
For Elevated Installation >15' To 20', Add	14.80	
For Elevated Installation >20' To 25', Add	18.50	
For Elevated Installation >25' To 30', Add	25.90	
For Elevated Installation >30' To 35', Add	29.60	
For Elevated Installation >35' To 40', Add	37.00	
For Elevated Installation >40', Add	40.70	
For Work In Restricted Working Space, Add	22.20	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	22.20	

**26 Electrical**

**26 05 Common Work Results for Electrical**

**26 05 33 Raceway and Boxes for Electrical Systems**



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1390	EA	1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....	36.92	6.97
		<i>For Elevated Installation &gt;10' To 15', Add</i>	1.39	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	2.79	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	3.49	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	4.88	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	5.58	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	6.97	
		<i>For Elevated Installation &gt;40', Add</i>	7.67	
		<i>For Work In Restricted Working Space, Add</i>	4.18	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.18	
26 05 33 13-1391	EA	3/4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....	39.71	8.05
		<i>For Elevated Installation &gt;10' To 15', Add</i>	1.61	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	3.22	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	4.02	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	5.63	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	6.43	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	8.04	
		<i>For Elevated Installation &gt;40', Add</i>	8.84	
		<i>For Work In Restricted Working Space, Add</i>	4.82	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.82	
26 05 33 13-1392	EA	1" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....	45.39	10.18
		<i>For Elevated Installation &gt;10' To 15', Add</i>	2.04	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	4.08	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	5.10	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	7.13	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	8.15	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	10.19	
		<i>For Elevated Installation &gt;40', Add</i>	11.21	
		<i>For Work In Restricted Working Space, Add</i>	6.11	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.11	
26 05 33 13-1393	EA	1-1/4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....	53.45	11.80
		<i>For Elevated Installation &gt;10' To 15', Add</i>	2.36	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	4.72	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	5.90	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	8.26	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	9.44	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	11.80	
		<i>For Elevated Installation &gt;40', Add</i>	12.97	
		<i>For Work In Restricted Working Space, Add</i>	7.08	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.08	
26 05 33 13-1394	EA	1-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....	57.96	13.41
		<i>For Elevated Installation &gt;10' To 15', Add</i>	2.68	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	5.36	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	6.70	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	9.38	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	10.72	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	13.41	
		<i>For Elevated Installation &gt;40', Add</i>	14.75	
		<i>For Work In Restricted Working Space, Add</i>	8.04	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.04	
26 05 33 13-1395	EA	2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....	66.05	15.01
		<i>For Elevated Installation &gt;10' To 15', Add</i>	3.00	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	6.01	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	7.51	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	10.51	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	12.01	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	15.02	
		<i>For Elevated Installation &gt;40', Add</i>	16.52	
		<i>For Work In Restricted Working Space, Add</i>	9.01	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.01	
26 05 33 13-1396	EA	2-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....	98.92	18.23
		<i>For Elevated Installation &gt;10' To 15', Add</i>	3.65	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	7.29	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	9.12	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	12.76	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	14.58	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	18.23	
		<i>For Elevated Installation &gt;40', Add</i>	20.05	
		<i>For Work In Restricted Working Space, Add</i>	10.94	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.94	
26 05 33 13-1397	EA	3" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....	125.10	25.21
		<i>For Elevated Installation &gt;10' To 15', Add</i>	5.04	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	10.08	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	12.60	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	17.64	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	20.16	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	25.20	
		<i>For Elevated Installation &gt;40', Add</i>	27.72	
		<i>For Work In Restricted Working Space, Add</i>	15.12	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.12	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1398 EA 3-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	142.01	28.43
For Elevated Installation >10' To 15', Add	5.68	
For Elevated Installation >15' To 20', Add	11.37	
For Elevated Installation >20' To 25', Add	14.21	
For Elevated Installation >25' To 30', Add	19.89	
For Elevated Installation >30' To 35', Add	22.74	
For Elevated Installation >35' To 40', Add	28.42	
For Elevated Installation >40', Add	31.26	
For Work In Restricted Working Space, Add	17.05	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.05	
26 05 33 13-1399 EA 4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	167.78	37.01
For Elevated Installation >10' To 15', Add	7.40	
For Elevated Installation >15' To 20', Add	14.80	
For Elevated Installation >20' To 25', Add	18.50	
For Elevated Installation >25' To 30', Add	25.90	
For Elevated Installation >30' To 35', Add	29.60	
For Elevated Installation >35' To 40', Add	37.00	
For Elevated Installation >40', Add	40.70	
For Work In Restricted Working Space, Add	22.20	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	22.20	
26 05 33 13-1400 EA 5" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	247.75	50.94
For Elevated Installation >10' To 15', Add	10.19	
For Elevated Installation >15' To 20', Add	20.38	
For Elevated Installation >20' To 25', Add	25.47	
For Elevated Installation >25' To 30', Add	35.66	
For Elevated Installation >30' To 35', Add	40.76	
For Elevated Installation >35' To 40', Add	50.95	
For Elevated Installation >40', Add	56.04	
For Work In Restricted Working Space, Add	30.57	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	30.57	
26 05 33 13-1401 EA 1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	37.52	6.97
For Elevated Installation >10' To 15', Add	1.39	
For Elevated Installation >15' To 20', Add	2.79	
For Elevated Installation >20' To 25', Add	3.49	
For Elevated Installation >25' To 30', Add	4.88	
For Elevated Installation >30' To 35', Add	5.58	
For Elevated Installation >35' To 40', Add	6.97	
For Elevated Installation >40', Add	7.67	
For Work In Restricted Working Space, Add	4.18	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.18	
26 05 33 13-1402 EA 3/4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	40.32	8.05
For Elevated Installation >10' To 15', Add	1.61	
For Elevated Installation >15' To 20', Add	3.22	
For Elevated Installation >20' To 25', Add	4.02	
For Elevated Installation >25' To 30', Add	5.63	
For Elevated Installation >30' To 35', Add	6.43	
For Elevated Installation >35' To 40', Add	8.04	
For Elevated Installation >40', Add	8.84	
For Work In Restricted Working Space, Add	4.82	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.82	
26 05 33 13-1403 EA 1" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	46.05	10.18
For Elevated Installation >10' To 15', Add	2.04	
For Elevated Installation >15' To 20', Add	4.08	
For Elevated Installation >20' To 25', Add	5.10	
For Elevated Installation >25' To 30', Add	7.13	
For Elevated Installation >30' To 35', Add	8.15	
For Elevated Installation >35' To 40', Add	10.19	
For Elevated Installation >40', Add	11.21	
For Work In Restricted Working Space, Add	6.11	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.11	
26 05 33 13-1404 EA 1-1/4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	54.66	11.80
For Elevated Installation >10' To 15', Add	2.36	
For Elevated Installation >15' To 20', Add	4.72	
For Elevated Installation >20' To 25', Add	5.90	
For Elevated Installation >25' To 30', Add	8.26	
For Elevated Installation >30' To 35', Add	9.44	
For Elevated Installation >35' To 40', Add	11.80	
For Elevated Installation >40', Add	12.97	
For Work In Restricted Working Space, Add	7.08	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.08	
26 05 33 13-1405 EA 1-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	59.41	13.41
For Elevated Installation >10' To 15', Add	2.68	
For Elevated Installation >15' To 20', Add	5.36	
For Elevated Installation >20' To 25', Add	6.70	
For Elevated Installation >25' To 30', Add	9.38	
For Elevated Installation >30' To 35', Add	10.72	
For Elevated Installation >35' To 40', Add	13.41	
For Elevated Installation >40', Add	14.75	
For Work In Restricted Working Space, Add	8.04	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.04	

**26 Electrical**

**26 05 Common Work Results for Electrical**

**26 05 33 Raceway and Boxes for Electrical Systems**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1406	EA	2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	.....	67.53	15.01
		<i>For Elevated Installation &gt;10' To 15', Add</i>		3.00	
		<i>For Elevated Installation &gt;15' To 20', Add</i>		6.01	
		<i>For Elevated Installation &gt;20' To 25', Add</i>		7.51	
		<i>For Elevated Installation &gt;25' To 30', Add</i>		10.51	
		<i>For Elevated Installation &gt;30' To 35', Add</i>		12.01	
		<i>For Elevated Installation &gt;35' To 40', Add</i>		15.02	
		<i>For Elevated Installation &gt;40', Add</i>		16.52	
		<i>For Work In Restricted Working Space, Add</i>		9.01	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		9.01	
26 05 33 13-1407	EA	2-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	.....	108.62	18.23
		<i>For Elevated Installation &gt;10' To 15', Add</i>		3.65	
		<i>For Elevated Installation &gt;15' To 20', Add</i>		7.29	
		<i>For Elevated Installation &gt;20' To 25', Add</i>		9.12	
		<i>For Elevated Installation &gt;25' To 30', Add</i>		12.76	
		<i>For Elevated Installation &gt;30' To 35', Add</i>		14.58	
		<i>For Elevated Installation &gt;35' To 40', Add</i>		18.23	
		<i>For Elevated Installation &gt;40', Add</i>		20.05	
		<i>For Work In Restricted Working Space, Add</i>		10.94	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		10.94	
26 05 33 13-1408	EA	3" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	.....	135.38	25.21
		<i>For Elevated Installation &gt;10' To 15', Add</i>		5.04	
		<i>For Elevated Installation &gt;15' To 20', Add</i>		10.08	
		<i>For Elevated Installation &gt;20' To 25', Add</i>		12.60	
		<i>For Elevated Installation &gt;25' To 30', Add</i>		17.64	
		<i>For Elevated Installation &gt;30' To 35', Add</i>		20.16	
		<i>For Elevated Installation &gt;35' To 40', Add</i>		25.20	
		<i>For Elevated Installation &gt;40', Add</i>		27.72	
		<i>For Work In Restricted Working Space, Add</i>		15.12	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		15.12	
26 05 33 13-1409	EA	3-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	.....	151.27	28.43
		<i>For Elevated Installation &gt;10' To 15', Add</i>		5.68	
		<i>For Elevated Installation &gt;15' To 20', Add</i>		11.37	
		<i>For Elevated Installation &gt;20' To 25', Add</i>		14.21	
		<i>For Elevated Installation &gt;25' To 30', Add</i>		19.89	
		<i>For Elevated Installation &gt;30' To 35', Add</i>		22.74	
		<i>For Elevated Installation &gt;35' To 40', Add</i>		28.42	
		<i>For Elevated Installation &gt;40', Add</i>		31.26	
		<i>For Work In Restricted Working Space, Add</i>		17.05	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		17.05	
26 05 33 13-1410	EA	4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	.....	183.39	37.01
		<i>For Elevated Installation &gt;10' To 15', Add</i>		7.40	
		<i>For Elevated Installation &gt;15' To 20', Add</i>		14.80	
		<i>For Elevated Installation &gt;20' To 25', Add</i>		18.50	
		<i>For Elevated Installation &gt;25' To 30', Add</i>		25.90	
		<i>For Elevated Installation &gt;30' To 35', Add</i>		29.60	
		<i>For Elevated Installation &gt;35' To 40', Add</i>		37.00	
		<i>For Elevated Installation &gt;40', Add</i>		40.70	
		<i>For Work In Restricted Working Space, Add</i>		22.20	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		22.20	
26 05 33 13-1411	EA	5" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	.....	271.09	50.94
		<i>For Elevated Installation &gt;10' To 15', Add</i>		10.19	
		<i>For Elevated Installation &gt;15' To 20', Add</i>		20.38	
		<i>For Elevated Installation &gt;20' To 25', Add</i>		25.47	
		<i>For Elevated Installation &gt;25' To 30', Add</i>		35.66	
		<i>For Elevated Installation &gt;30' To 35', Add</i>		40.76	
		<i>For Elevated Installation &gt;35' To 40', Add</i>		50.95	
		<i>For Elevated Installation &gt;40', Add</i>		56.04	
		<i>For Work In Restricted Working Space, Add</i>		30.57	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		30.57	
26 05 33 13-1412	EA	1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	.....	38.47	6.97
		<i>For Elevated Installation &gt;10' To 15', Add</i>		1.39	
		<i>For Elevated Installation &gt;15' To 20', Add</i>		2.79	
		<i>For Elevated Installation &gt;20' To 25', Add</i>		3.49	
		<i>For Elevated Installation &gt;25' To 30', Add</i>		4.88	
		<i>For Elevated Installation &gt;30' To 35', Add</i>		5.58	
		<i>For Elevated Installation &gt;35' To 40', Add</i>		6.97	
		<i>For Elevated Installation &gt;40', Add</i>		7.67	
		<i>For Work In Restricted Working Space, Add</i>		4.18	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		4.18	
26 05 33 13-1413	EA	3/4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	.....	41.24	8.05
		<i>For Elevated Installation &gt;10' To 15', Add</i>		1.61	
		<i>For Elevated Installation &gt;15' To 20', Add</i>		3.22	
		<i>For Elevated Installation &gt;20' To 25', Add</i>		4.02	
		<i>For Elevated Installation &gt;25' To 30', Add</i>		5.63	
		<i>For Elevated Installation &gt;30' To 35', Add</i>		6.43	
		<i>For Elevated Installation &gt;35' To 40', Add</i>		8.04	
		<i>For Elevated Installation &gt;40', Add</i>		8.84	
		<i>For Work In Restricted Working Space, Add</i>		4.82	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		4.82	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1414 EA 1" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	47.50	10.18
For Elevated Installation >10' To 15', Add	2.04	
For Elevated Installation >15' To 20', Add	4.08	
For Elevated Installation >20' To 25', Add	5.10	
For Elevated Installation >25' To 30', Add	7.13	
For Elevated Installation >30' To 35', Add	8.15	
For Elevated Installation >35' To 40', Add	10.19	
For Elevated Installation >40', Add	11.21	
For Work In Restricted Working Space, Add	6.11	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.11	
26 05 33 13-1415 EA 1-1/4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	54.98	11.80
For Elevated Installation >10' To 15', Add	2.36	
For Elevated Installation >15' To 20', Add	4.72	
For Elevated Installation >20' To 25', Add	5.90	
For Elevated Installation >25' To 30', Add	8.26	
For Elevated Installation >30' To 35', Add	9.44	
For Elevated Installation >35' To 40', Add	11.80	
For Elevated Installation >40', Add	12.97	
For Work In Restricted Working Space, Add	7.08	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.08	
26 05 33 13-1416 EA 1-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	62.37	13.41
For Elevated Installation >10' To 15', Add	2.68	
For Elevated Installation >15' To 20', Add	5.36	
For Elevated Installation >20' To 25', Add	6.70	
For Elevated Installation >25' To 30', Add	9.38	
For Elevated Installation >30' To 35', Add	10.72	
For Elevated Installation >35' To 40', Add	13.41	
For Elevated Installation >40', Add	14.75	
For Work In Restricted Working Space, Add	8.04	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.04	
26 05 33 13-1417 EA 2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	74.75	15.01
For Elevated Installation >10' To 15', Add	3.00	
For Elevated Installation >15' To 20', Add	6.01	
For Elevated Installation >20' To 25', Add	7.51	
For Elevated Installation >25' To 30', Add	10.51	
For Elevated Installation >30' To 35', Add	12.01	
For Elevated Installation >35' To 40', Add	15.02	
For Elevated Installation >40', Add	16.52	
For Work In Restricted Working Space, Add	9.01	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.01	
26 05 33 13-1418 EA 2-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	120.54	18.23
For Elevated Installation >10' To 15', Add	3.65	
For Elevated Installation >15' To 20', Add	7.29	
For Elevated Installation >20' To 25', Add	9.12	
For Elevated Installation >25' To 30', Add	12.76	
For Elevated Installation >30' To 35', Add	14.58	
For Elevated Installation >35' To 40', Add	18.23	
For Elevated Installation >40', Add	20.05	
For Work In Restricted Working Space, Add	10.94	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.94	
26 05 33 13-1419 EA 3" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	149.44	25.21
For Elevated Installation >10' To 15', Add	5.04	
For Elevated Installation >15' To 20', Add	10.08	
For Elevated Installation >20' To 25', Add	12.60	
For Elevated Installation >25' To 30', Add	17.64	
For Elevated Installation >30' To 35', Add	20.16	
For Elevated Installation >35' To 40', Add	25.20	
For Elevated Installation >40', Add	27.72	
For Work In Restricted Working Space, Add	15.12	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.12	
26 05 33 13-1420 EA 3-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	174.44	28.43
For Elevated Installation >10' To 15', Add	5.68	
For Elevated Installation >15' To 20', Add	11.37	
For Elevated Installation >20' To 25', Add	14.21	
For Elevated Installation >25' To 30', Add	19.89	
For Elevated Installation >30' To 35', Add	22.74	
For Elevated Installation >35' To 40', Add	28.42	
For Elevated Installation >40', Add	31.26	
For Work In Restricted Working Space, Add	17.05	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.05	
26 05 33 13-1421 EA 4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple.....	206.82	37.01
For Elevated Installation >10' To 15', Add	7.40	
For Elevated Installation >15' To 20', Add	14.80	
For Elevated Installation >20' To 25', Add	18.50	
For Elevated Installation >25' To 30', Add	25.90	
For Elevated Installation >30' To 35', Add	29.60	
For Elevated Installation >35' To 40', Add	37.00	
For Elevated Installation >40', Add	40.70	
For Work In Restricted Working Space, Add	22.20	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	22.20	

**26 Electrical**

**26 05 Common Work Results for Electrical**

**26 05 33 Raceway and Boxes for Electrical Systems**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-1422	EA	5" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....	287.09	50.94
			<i>For Elevated Installation &gt;10' To 15', Add</i>	10.19	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	20.38	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	25.47	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	35.66	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	40.76	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	50.95	
			<i>For Elevated Installation &gt;40', Add</i>	56.04	
			<i>For Work In Restricted Working Space, Add</i>	30.57	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30.57	
26 05 33	13-1423	EA	1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....	39.46	6.97
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.39	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	2.79	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	3.49	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	4.88	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	5.58	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	6.97	
			<i>For Elevated Installation &gt;40', Add</i>	7.67	
			<i>For Work In Restricted Working Space, Add</i>	4.18	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.18	
26 05 33	13-1424	EA	3/4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....	42.21	8.05
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.61	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	3.22	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	4.02	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	5.63	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	6.43	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	8.04	
			<i>For Elevated Installation &gt;40', Add</i>	8.84	
			<i>For Work In Restricted Working Space, Add</i>	4.82	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.82	
26 05 33	13-1425	EA	1" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....	48.93	10.18
			<i>For Elevated Installation &gt;10' To 15', Add</i>	2.04	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	4.08	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	5.10	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	7.13	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	8.15	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	10.19	
			<i>For Elevated Installation &gt;40', Add</i>	11.21	
			<i>For Work In Restricted Working Space, Add</i>	6.11	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.11	
26 05 33	13-1426	EA	1-1/4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....	59.34	11.80
			<i>For Elevated Installation &gt;10' To 15', Add</i>	2.36	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	4.72	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	5.90	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	8.26	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	9.44	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	11.80	
			<i>For Elevated Installation &gt;40', Add</i>	12.97	
			<i>For Work In Restricted Working Space, Add</i>	7.08	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.08	
26 05 33	13-1427	EA	1-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....	69.40	13.41
			<i>For Elevated Installation &gt;10' To 15', Add</i>	2.68	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	5.36	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	6.70	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	9.38	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	10.72	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	13.41	
			<i>For Elevated Installation &gt;40', Add</i>	14.75	
			<i>For Work In Restricted Working Space, Add</i>	8.04	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.04	
26 05 33	13-1428	EA	2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....	85.37	15.01
			<i>For Elevated Installation &gt;10' To 15', Add</i>	3.00	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	6.01	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	7.51	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	10.51	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	12.01	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	15.02	
			<i>For Elevated Installation &gt;40', Add</i>	16.52	
			<i>For Work In Restricted Working Space, Add</i>	9.01	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.01	
26 05 33	13-1429	EA	2-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....	133.14	18.23
			<i>For Elevated Installation &gt;10' To 15', Add</i>	3.65	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	7.29	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	9.12	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	12.76	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	14.58	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	18.23	
			<i>For Elevated Installation &gt;40', Add</i>	20.05	
			<i>For Work In Restricted Working Space, Add</i>	10.94	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.94	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1430 EA 3" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....	167.44	25.21
For Elevated Installation >10' To 15', Add	5.04	
For Elevated Installation >15' To 20', Add	10.08	
For Elevated Installation >20' To 25', Add	12.60	
For Elevated Installation >25' To 30', Add	17.64	
For Elevated Installation >30' To 35', Add	20.16	
For Elevated Installation >35' To 40', Add	25.20	
For Elevated Installation >40', Add	27.72	
For Work In Restricted Working Space, Add	15.12	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.12	
26 05 33 13-1431 EA 3-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....	198.78	28.43
For Elevated Installation >10' To 15', Add	5.68	
For Elevated Installation >15' To 20', Add	11.37	
For Elevated Installation >20' To 25', Add	14.21	
For Elevated Installation >25' To 30', Add	19.89	
For Elevated Installation >30' To 35', Add	22.74	
For Elevated Installation >35' To 40', Add	28.42	
For Elevated Installation >40', Add	31.26	
For Work In Restricted Working Space, Add	17.05	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.05	
26 05 33 13-1432 EA 4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....	247.83	37.01
For Elevated Installation >10' To 15', Add	7.40	
For Elevated Installation >15' To 20', Add	14.80	
For Elevated Installation >20' To 25', Add	18.50	
For Elevated Installation >25' To 30', Add	25.90	
For Elevated Installation >30' To 35', Add	29.60	
For Elevated Installation >35' To 40', Add	37.00	
For Elevated Installation >40', Add	40.70	
For Work In Restricted Working Space, Add	22.20	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	22.20	
26 05 33 13-1433 EA 5" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....	319.01	50.94
For Elevated Installation >10' To 15', Add	10.19	
For Elevated Installation >15' To 20', Add	20.38	
For Elevated Installation >20' To 25', Add	25.47	
For Elevated Installation >25' To 30', Add	35.66	
For Elevated Installation >30' To 35', Add	40.76	
For Elevated Installation >35' To 40', Add	50.95	
For Elevated Installation >40', Add	56.04	
For Work In Restricted Working Space, Add	30.57	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	30.57	
26 05 33 13-1434 EA 1 1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....	40.48	6.97
For Elevated Installation >10' To 15', Add	1.39	
For Elevated Installation >15' To 20', Add	2.79	
For Elevated Installation >20' To 25', Add	3.49	
For Elevated Installation >25' To 30', Add	4.88	
For Elevated Installation >30' To 35', Add	5.58	
For Elevated Installation >35' To 40', Add	6.97	
For Elevated Installation >40', Add	7.67	
For Work In Restricted Working Space, Add	4.18	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.18	
26 05 33 13-1435 EA 3/4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....	43.35	8.05
For Elevated Installation >10' To 15', Add	1.61	
For Elevated Installation >15' To 20', Add	3.22	
For Elevated Installation >20' To 25', Add	4.02	
For Elevated Installation >25' To 30', Add	5.63	
For Elevated Installation >30' To 35', Add	6.43	
For Elevated Installation >35' To 40', Add	8.04	
For Elevated Installation >40', Add	8.84	
For Work In Restricted Working Space, Add	4.82	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.82	
26 05 33 13-1436 EA 1" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....	52.57	10.18
For Elevated Installation >10' To 15', Add	2.04	
For Elevated Installation >15' To 20', Add	4.08	
For Elevated Installation >20' To 25', Add	5.10	
For Elevated Installation >25' To 30', Add	7.13	
For Elevated Installation >30' To 35', Add	8.15	
For Elevated Installation >35' To 40', Add	10.19	
For Elevated Installation >40', Add	11.21	
For Work In Restricted Working Space, Add	6.11	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.11	
26 05 33 13-1437 EA 1-1/4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....	66.52	11.80
For Elevated Installation >10' To 15', Add	2.36	
For Elevated Installation >15' To 20', Add	4.72	
For Elevated Installation >20' To 25', Add	5.90	
For Elevated Installation >25' To 30', Add	8.26	
For Elevated Installation >30' To 35', Add	9.44	
For Elevated Installation >35' To 40', Add	11.80	
For Elevated Installation >40', Add	12.97	
For Work In Restricted Working Space, Add	7.08	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.08	

**26 Electrical**  
**26 05 Common Work Results for Electrical**  
**26 05 33 Raceway and Boxes for Electrical Systems**



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1438 EA 1-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....	77.90	13.41
For Elevated Installation >10' To 15', Add	2.68	
For Elevated Installation >15' To 20', Add	5.36	
For Elevated Installation >20' To 25', Add	6.70	
For Elevated Installation >25' To 30', Add	9.38	
For Elevated Installation >30' To 35', Add	10.72	
For Elevated Installation >35' To 40', Add	13.41	
For Elevated Installation >40', Add	14.75	
For Work In Restricted Working Space, Add	8.04	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.04	
26 05 33 13-1439 EA 2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....	93.90	15.01
For Elevated Installation >10' To 15', Add	3.00	
For Elevated Installation >15' To 20', Add	6.01	
For Elevated Installation >20' To 25', Add	7.51	
For Elevated Installation >25' To 30', Add	10.51	
For Elevated Installation >30' To 35', Add	12.01	
For Elevated Installation >35' To 40', Add	15.02	
For Elevated Installation >40', Add	16.52	
For Work In Restricted Working Space, Add	9.01	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.01	
26 05 33 13-1440 EA 2-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....	149.97	18.23
For Elevated Installation >10' To 15', Add	3.65	
For Elevated Installation >15' To 20', Add	7.29	
For Elevated Installation >20' To 25', Add	9.12	
For Elevated Installation >25' To 30', Add	12.76	
For Elevated Installation >30' To 35', Add	14.58	
For Elevated Installation >35' To 40', Add	18.23	
For Elevated Installation >40', Add	20.05	
For Work In Restricted Working Space, Add	10.94	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.94	
26 05 33 13-1441 EA 3" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....	194.45	25.21
For Elevated Installation >10' To 15', Add	5.04	
For Elevated Installation >15' To 20', Add	10.08	
For Elevated Installation >20' To 25', Add	12.60	
For Elevated Installation >25' To 30', Add	17.64	
For Elevated Installation >30' To 35', Add	20.16	
For Elevated Installation >35' To 40', Add	25.20	
For Elevated Installation >40', Add	27.72	
For Work In Restricted Working Space, Add	15.12	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.12	
26 05 33 13-1442 EA 3-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....	213.71	28.43
For Elevated Installation >10' To 15', Add	5.68	
For Elevated Installation >15' To 20', Add	11.37	
For Elevated Installation >20' To 25', Add	14.21	
For Elevated Installation >25' To 30', Add	19.89	
For Elevated Installation >30' To 35', Add	22.74	
For Elevated Installation >35' To 40', Add	28.42	
For Elevated Installation >40', Add	31.26	
For Work In Restricted Working Space, Add	17.05	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.05	
26 05 33 13-1443 EA 4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....	260.41	37.01
For Elevated Installation >10' To 15', Add	7.40	
For Elevated Installation >15' To 20', Add	14.80	
For Elevated Installation >20' To 25', Add	18.50	
For Elevated Installation >25' To 30', Add	25.90	
For Elevated Installation >30' To 35', Add	29.60	
For Elevated Installation >35' To 40', Add	37.00	
For Elevated Installation >40', Add	40.70	
For Work In Restricted Working Space, Add	22.20	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	22.20	
26 05 33 13-1444 EA 5" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple .....	323.57	50.94
For Elevated Installation >10' To 15', Add	10.19	
For Elevated Installation >15' To 20', Add	20.38	
For Elevated Installation >20' To 25', Add	25.47	
For Elevated Installation >25' To 30', Add	35.66	
For Elevated Installation >30' To 35', Add	40.76	
For Elevated Installation >35' To 40', Add	50.95	
For Elevated Installation >40', Add	56.04	
For Work In Restricted Working Space, Add	30.57	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	30.57	
26 05 33 13-1445 Aluminum Rigid Conduit (ARC) <small>(26 05 33 13-0059)</small>		
Note: Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.		
26 05 33 13-1446 Aluminum Rigid Conduit (ARC) With Threaded Coupling <small>(26 05 33 13-1445)</small>		
Note: Includes field bend conduit up to 1".		
26 05 33 13-1447 LF 1/2" Aluminum Rigid Conduit (ARC) With Threaded Coupling.....	5.21	1.65
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.62	
For Work In Restricted Working Space, Add	1.24	
26 05 33 13-1448 LF 3/4" Aluminum Rigid Conduit (ARC) With Threaded Coupling.....	5.99	1.82
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.68	
For Work In Restricted Working Space, Add	1.36	
26 05 33 13-1449 LF 1" Aluminum Rigid Conduit (ARC) With Threaded Coupling.....	7.01	1.98
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.74	
For Work In Restricted Working Space, Add	1.49	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1450 LF 1-1/4" Aluminum Rigid Conduit (ARC) With Threaded Coupling ..... <i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add For Work In Restricted Working Space, Add</i>	8.06 0.80 1.61	2.15
26 05 33 13-1451 LF 1-1/2" Aluminum Rigid Conduit (ARC) With Threaded Coupling ..... <i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add For Work In Restricted Working Space, Add</i>	9.13 0.87 1.73	2.31
26 05 33 13-1452 LF 2" Aluminum Rigid Conduit (ARC) With Threaded Coupling..... <i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add For Work In Restricted Working Space, Add</i>	11.08 0.99 1.98	2.64
26 05 33 13-1453 LF 2-1/2" Aluminum Rigid Conduit (ARC) With Threaded Coupling ..... <i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add For Work In Restricted Working Space, Add</i>	15.32 1.24 2.48	3.30
26 05 33 13-1454 LF 3" Aluminum Rigid Conduit (ARC) With Threaded Coupling..... <i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add For Work In Restricted Working Space, Add</i>	19.19 1.49 2.97	3.96
26 05 33 13-1455 LF 3-1/2" Aluminum Rigid Conduit (ARC) With Threaded Coupling ..... <i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add For Work In Restricted Working Space, Add</i>	23.52 1.86 3.71	4.95
26 05 33 13-1456 LF 4" Aluminum Rigid Conduit (ARC) With Threaded Coupling..... <i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add For Work In Restricted Working Space, Add</i>	28.88 2.35 4.70	6.27
26 05 33 13-1457 LF 5" Aluminum Rigid Conduit (ARC) With Threaded Coupling..... <i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add For Work In Restricted Working Space, Add</i>	38.70 2.97 5.94	7.92
26 05 33 13-1458 LF 6" Aluminum Rigid Conduit (ARC) With Threaded Coupling..... <i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add For Work In Restricted Working Space, Add</i>	49.63 3.71 7.43	9.90
<b>26 05 33 13-1459 Aluminum 90 Degree Elbows</b> <small>(26 05 33 13-1445)</small>		
26 05 33 13-1460 EA 1" Aluminum 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	32.96 6.44	8.58
26 05 33 13-1461 EA 1-1/4" Aluminum 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	42.63 7.30	9.73
26 05 33 13-1462 EA 1-1/2" Aluminum 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	52.40 8.42	11.22
26 05 33 13-1463 EA 2" Aluminum 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	68.01 9.65	12.87
26 05 33 13-1464 EA 2-1/2" Aluminum 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	99.58 11.76	15.67
26 05 33 13-1465 EA 3" Aluminum 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	144.02 15.22	20.30
26 05 33 13-1466 EA 3-1/2" Aluminum 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	202.41 17.08	22.77
26 05 33 13-1467 EA 4" Aluminum 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	243.87 21.41	28.55
26 05 33 13-1468 EA 5" Aluminum 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	626.40 34.90	46.53
26 05 33 13-1469 EA 6" Aluminum 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	880.63 52.47	69.96
<b>26 05 33 13-1470 Aluminum Bushing Set With Locknut</b> <small>(26 05 33 13-1445)</small>		
26 05 33 13-1471 EA 1/2" Aluminum Bushing Set With Locknut..... <i>For Work In Restricted Working Space, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.13 2.48 2.48	3.30
26 05 33 13-1472 EA 3/4" Aluminum Bushing Set With Locknut..... <i>For Work In Restricted Working Space, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.26 3.22 3.22	4.29
26 05 33 13-1473 EA 1" Aluminum Bushing Set With Locknut..... <i>For Work In Restricted Working Space, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.77 3.96 3.96	5.28
26 05 33 13-1474 EA 1-1/4" Aluminum Bushing Set With Locknut ..... <i>For Work In Restricted Working Space, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.48 4.46 4.46	5.94
26 05 33 13-1475 EA 1-1/2" Aluminum Bushing Set With Locknut ..... <i>For Work In Restricted Working Space, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.96 5.45 5.45	7.26
26 05 33 13-1476 EA 2" Aluminum Bushing Set With Locknut..... <i>For Work In Restricted Working Space, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.20 6.56 6.56	8.75
26 05 33 13-1477 EA 2-1/2" Aluminum Bushing Set With Locknut ..... <i>For Work In Restricted Working Space, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28.72 7.80 7.80	10.40
26 05 33 13-1478 EA 3" Aluminum Bushing Set With Locknut..... <i>For Work In Restricted Working Space, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	33.74 8.91 8.91	11.88
26 05 33 13-1479 EA 3-1/2" Aluminum Bushing Set With Locknut ..... <i>For Work In Restricted Working Space, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	36.48 9.65 9.65	12.87
26 05 33 13-1480 EA 4" Aluminum Bushing Set With Locknut..... <i>For Work In Restricted Working Space, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	39.81 10.40 10.40	13.86

**26 Electrical**

**26 05 Common Work Results for Electrical**

**26 05 33 Raceway and Boxes for Electrical Systems**



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1481	EA	5" Aluminum Bushing Set With Locknut..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	52.66 13.86 13.86	18.48
26 05 33 13-1482	EA	6" Aluminum Bushing Set With Locknut..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	78.18 20.79 20.79	27.72
<b>26 05 33 13-1483</b>		<b>Schedule 40 Polyvinyl Chloride (PVC) Conduit</b> <small>(26 05 33 13-0059)</small> Note: Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.		
<b>26 05 33 13-1484</b>		<b>Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings</b> <small>(26 05 33 13-1483)</small> Note: Includes field bend conduit up to 1".		
26 05 33 13-1485	LF	1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End ..... <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	4.36 0.42 0.68	1.34
26 05 33 13-1486	LF	3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End ..... <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	5.02 0.52 0.83	1.48
26 05 33 13-1487	LF	1" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End ..... <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	6.30 0.71 1.13	1.72
26 05 33 13-1488	LF	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End ..... <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	7.58 0.91 1.42	1.97
26 05 33 13-1489	LF	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End ..... <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	8.92 1.08 1.68	2.30
26 05 33 13-1490	LF	2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End ..... <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	10.75 1.37 2.12	2.63
26 05 33 13-1491	LF	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End ..... <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	14.48 2.06 3.12	3.13
26 05 33 13-1492	LF	3" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End ..... <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	16.99 2.44 3.69	3.62
26 05 33 13-1493	LF	3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End ..... <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	20.84 3.07 4.62	4.27
26 05 33 13-1494	LF	4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End ..... <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	24.31 3.45 5.22	5.26
26 05 33 13-1495	LF	5" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End ..... <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	34.76 4.99 7.54	7.40
26 05 33 13-1496	LF	6" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End ..... <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	46.14 6.61 9.99	9.86
<b>26 05 33 13-1497</b>		<b>Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbows</b> <small>(26 05 33 13-1483)</small> See CSI section 26 05 33 13-2324 for conduit field bending.		
26 05 33 13-1498	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow ..... See CSI section 26 05 33 13-2324 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	17.82 1.17 2.13	6.57
26 05 33 13-1499	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow ..... See CSI section 26 05 33 13-2324 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	19.74 1.32 2.39	7.23
26 05 33 13-1500	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow ..... See CSI section 26 05 33 13-2324 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	23.14 1.68 2.96	8.22
26 05 33 13-1501	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow ..... See CSI section 26 05 33 13-2324 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	30.05 2.25 3.94	10.51
26 05 33 13-1502	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow ..... See CSI section 26 05 33 13-2324 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	37.94 2.91 5.06	13.15
26 05 33 13-1503	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow ..... See CSI section 26 05 33 13-2324 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	48.12 3.81 6.57	16.44
26 05 33 13-1504	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow ..... See CSI section 26 05 33 13-2324 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	61.72 5.57 9.28	19.72
26 05 33 13-1505	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow ..... See CSI section 26 05 33 13-2324 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	77.78 7.94 12.84	23.01



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1506 EA 3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow..... See CSI section 26 05 33 13-2324 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	97.99  10.53 16.84	27.93
26 05 33 13-1507 EA 4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow..... See CSI section 26 05 33 13-2324 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	118.38  13.16 20.89	32.86
26 05 33 13-1508 EA 5" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow..... See CSI section 26 05 33 13-2324 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	166.61  21.11 32.64	41.08
26 05 33 13-1509 EA 6" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow..... See CSI section 26 05 33 13-2324 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	204.72  26.53 40.84	49.30
<b>26 05 33 13-1510 Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbows</b> <small>(26 05 33 13-1483)</small> See CSI section 26 05 33 13-2324 for conduit field bending.		
26 05 33 13-1511 EA 1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow..... See CSI section 26 05 33 13-2324 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	17.82  1.17 2.13	6.57
26 05 33 13-1512 EA 3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow..... See CSI section 26 05 33 13-2324 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	19.64  1.29 2.35	7.23
26 05 33 13-1513 EA 1" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow..... See CSI section 26 05 33 13-2324 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	23.00  1.64 2.92	8.22
26 05 33 13-1514 EA 1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow..... See CSI section 26 05 33 13-2324 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	29.65  2.15 3.80	10.51
26 05 33 13-1515 EA 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow..... See CSI section 26 05 33 13-2324 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	37.05  2.69 4.75	13.15
26 05 33 13-1516 EA 2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow..... See CSI section 26 05 33 13-2324 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	47.64  3.69 6.40	16.44
26 05 33 13-1517 EA 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow..... See CSI section 26 05 33 13-2324 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	60.82  5.35 8.96	19.72
26 05 33 13-1518 EA 3" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow..... See CSI section 26 05 33 13-2324 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	76.64  7.66 12.44	23.01
26 05 33 13-1519 EA 3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow..... See CSI section 26 05 33 13-2324 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	94.80  9.73 15.72	27.93
26 05 33 13-1520 EA 4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow..... See CSI section 26 05 33 13-2324 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	115.64  12.48 19.93	32.86
26 05 33 13-1521 EA 5" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow..... See CSI section 26 05 33 13-2324 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	163.06  20.23 31.40	41.08
26 05 33 13-1522 EA 6" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow..... See CSI section 26 05 33 13-2324 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	194.14  23.89 37.14	49.30
<b>26 05 33 13-1523 Schedule 40 Polyvinyl Chloride (PVC) Conduit 18" Large Radius Elbow</b> <small>(26 05 33 13-1483)</small>		
26 05 33 13-1524 EA 1" Schedule 40, Polyvinyl Chloride (PVC), 18" Large Radius Elbow..... <i>For Schedule 80, Add</i>	81.80 18.44	20.38
26 05 33 13-1525 EA 1-1/4" Schedule 40, Polyvinyl Chloride (PVC), 18" Large Radius Elbow..... <i>For Schedule 80, Add</i>	96.28 21.90	23.60
26 05 33 13-1526 EA 1-1/2" Schedule 40, Polyvinyl Chloride (PVC), 18" Large Radius Elbow..... <i>For Schedule 80, Add</i>	108.85 24.69	26.81
26 05 33 13-1527 EA 2" Schedule 40, Polyvinyl Chloride (PVC), 18" Large Radius Elbow..... <i>For Schedule 80, Add</i>	132.99 31.80	29.49
26 05 33 13-1528 EA 2-1/2" Schedule 40, Polyvinyl Chloride (PVC), 18" Large Radius Elbow..... <i>For Schedule 80, Add</i>	177.59 43.66	37.01
26 05 33 13-1529 EA 3" Schedule 40, Polyvinyl Chloride (PVC), 18" Large Radius Elbow..... <i>For Schedule 80, Add</i>	228.81 54.88	50.41
26 05 33 13-1530 EA 3-1/2" Schedule 40, Polyvinyl Chloride (PVC), 18" Large Radius Elbow..... <i>For Schedule 80, Add</i>	281.47 70.09	56.84

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1531 EA 4" Schedule 40, Polyvinyl Chloride (PVC), 18" Large Radius Elbow ..... <i>For Schedule 80, Add</i>	327.94 77.78	74.00
<b>26 05 33 13-1532 Schedule 40 Polyvinyl Chloride (PVC) Conduit 24" Large Radius Elbow</b> <sup>(26 05</sup> <sup>33 13-1483)</sup>		
26 05 33 13-1533 EA 1" Schedule 40, Polyvinyl Chloride (PVC), 24" Large Radius Elbow ..... <i>For Schedule 80, Add</i>	89.34 21.08	20.38
26 05 33 13-1534 EA 1-1/4" Schedule 40, Polyvinyl Chloride (PVC), 24" Large Radius Elbow ..... <i>For Schedule 80, Add</i>	114.42 28.25	23.60
26 05 33 13-1535 EA 1-1/2" Schedule 40, Polyvinyl Chloride (PVC), 24" Large Radius Elbow ..... <i>For Schedule 80, Add</i>	134.81 33.78	26.81
26 05 33 13-1536 EA 2" Schedule 40, Polyvinyl Chloride (PVC), 24" Large Radius Elbow ..... <i>For Schedule 80, Add</i>	145.84 36.30	29.49
26 05 33 13-1537 EA 2-1/2" Schedule 40, Polyvinyl Chloride (PVC), 24" Large Radius Elbow ..... <i>For Schedule 80, Add</i>	217.19 57.52	37.01
26 05 33 13-1538 EA 3" Schedule 40, Polyvinyl Chloride (PVC), 24" Large Radius Elbow ..... <i>For Schedule 80, Add</i>	286.41 75.04	50.41
26 05 33 13-1539 EA 3-1/2" Schedule 40, Polyvinyl Chloride (PVC), 24" Large Radius Elbow ..... <i>For Schedule 80, Add</i>	316.92 82.50	56.84
26 05 33 13-1540 EA 4" Schedule 40, Polyvinyl Chloride (PVC), 24" Large Radius Elbow ..... <i>For Schedule 80, Add</i>	370.87 92.80	74.00
<b>26 05 33 13-1541 Schedule 40 Polyvinyl Chloride (PVC) Conduit 30" Large Radius Elbow</b> <sup>(26 05</sup> <sup>33 13-1483)</sup>		
26 05 33 13-1542 EA 1" Schedule 40, Polyvinyl Chloride (PVC), 30" Large Radius Elbow ..... <i>For Schedule 80, Add</i>	109.66 28.19	20.38
26 05 33 13-1543 EA 1-1/4" Schedule 40, Polyvinyl Chloride (PVC), 30" Large Radius Elbow ..... <i>For Schedule 80, Add</i>	122.93 31.23	23.60
26 05 33 13-1544 EA 1-1/2" Schedule 40, Polyvinyl Chloride (PVC), 30" Large Radius Elbow ..... <i>For Schedule 80, Add</i>	139.81 35.53	26.81
26 05 33 13-1545 EA 2" Schedule 40, Polyvinyl Chloride (PVC), 30" Large Radius Elbow ..... <i>For Schedule 80, Add</i>	170.07 44.78	29.49
26 05 33 13-1546 EA 2-1/2" Schedule 40, Polyvinyl Chloride (PVC), 30" Large Radius Elbow ..... <i>For Schedule 80, Add</i>	231.95 62.68	37.01
26 05 33 13-1547 EA 3" Schedule 40, Polyvinyl Chloride (PVC), 30" Large Radius Elbow ..... <i>For Schedule 80, Add</i>	298.79 79.37	50.41
26 05 33 13-1548 EA 3-1/2" Schedule 40, Polyvinyl Chloride (PVC), 30" Large Radius Elbow ..... <i>For Schedule 80, Add</i>	364.13 99.02	56.84
26 05 33 13-1549 EA 4" Schedule 40, Polyvinyl Chloride (PVC), 30" Large Radius Elbow ..... <i>For Schedule 80, Add</i>	413.26 107.64	74.00
<b>26 05 33 13-1550 Schedule 40 Polyvinyl Chloride (PVC) Conduit 36" Large Radius Elbow</b> <sup>(26 05</sup> <sup>33 13-1483)</sup>		
26 05 33 13-1551 EA 1" Schedule 40, Polyvinyl Chloride (PVC), 36" Large Radius Elbow ..... <i>For Schedule 80, Add</i>	113.80 29.64	20.38
26 05 33 13-1552 EA 1-1/4" Schedule 40, Polyvinyl Chloride (PVC), 36" Large Radius Elbow ..... <i>For Schedule 80, Add</i>	148.12 40.04	23.60
26 05 33 13-1553 EA 1-1/2" Schedule 40, Polyvinyl Chloride (PVC), 36" Large Radius Elbow ..... <i>For Schedule 80, Add</i>	159.79 42.52	26.81
26 05 33 13-1554 EA 2" Schedule 40, Polyvinyl Chloride (PVC), 36" Large Radius Elbow ..... <i>For Schedule 80, Add</i>	170.97 45.09	29.49
26 05 33 13-1555 EA 2-1/2" Schedule 40, Polyvinyl Chloride (PVC), 36" Large Radius Elbow ..... <i>For Schedule 80, Add</i>	264.44 74.05	37.01
26 05 33 13-1556 EA 3" Schedule 40, Polyvinyl Chloride (PVC), 36" Large Radius Elbow ..... <i>For Schedule 80, Add</i>	371.61 104.86	50.41
26 05 33 13-1557 EA 3-1/2" Schedule 40, Polyvinyl Chloride (PVC), 36" Large Radius Elbow ..... <i>For Schedule 80, Add</i>	430.44 122.23	56.84
26 05 33 13-1558 EA 4" Schedule 40, Polyvinyl Chloride (PVC), 36" Large Radius Elbow ..... <i>For Schedule 80, Add</i>	491.80 135.13	74.00
26 05 33 13-1559 EA 5" Schedule 40, Polyvinyl Chloride (PVC), 36" Large Radius Elbow ..... <i>For Schedule 80, Add</i>	783.60 213.93	120.46
26 05 33 13-1560 EA 6" Schedule 40, Polyvinyl Chloride (PVC), 36" Large Radius Elbow ..... <i>For Schedule 80, Add</i>	1,140.38 308.50	181.51
<b>26 05 33 13-1561 Schedule 40 Polyvinyl Chloride (PVC) Conduit 48" Large Radius Elbow</b> <sup>(26 05</sup> <sup>33 13-1483)</sup>		
26 05 33 13-1562 EA 1" Schedule 40, Polyvinyl Chloride (PVC), 48" Large Radius Elbow ..... <i>For Schedule 80, Add</i>	129.74 35.22	20.38
26 05 33 13-1563 EA 1-1/4" Schedule 40, Polyvinyl Chloride (PVC), 48" Large Radius Elbow ..... <i>For Schedule 80, Add</i>	152.39 41.54	23.60
26 05 33 13-1564 EA 1-1/2" Schedule 40, Polyvinyl Chloride (PVC), 48" Large Radius Elbow ..... <i>For Schedule 80, Add</i>	172.62 47.01	26.81
26 05 33 13-1565 EA 2" Schedule 40, Polyvinyl Chloride (PVC), 48" Large Radius Elbow ..... <i>For Schedule 80, Add</i>	215.26 60.59	29.49
26 05 33 13-1566 EA 2-1/2" Schedule 40, Polyvinyl Chloride (PVC), 48" Large Radius Elbow ..... <i>For Schedule 80, Add</i>	296.16 85.15	37.01
26 05 33 13-1567 EA 3" Schedule 40, Polyvinyl Chloride (PVC), 48" Large Radius Elbow ..... <i>For Schedule 80, Add</i>	423.70 123.09	50.41
26 05 33 13-1568 EA 3-1/2" Schedule 40, Polyvinyl Chloride (PVC), 48" Large Radius Elbow ..... <i>For Schedule 80, Add</i>	480.24 139.66	56.84



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1569 EA 4" Schedule 40, Polyvinyl Chloride (PVC), 48" Large Radius Elbow ..... <i>For Schedule 80, Add</i>	578.24 165.38	74.00
26 05 33 13-1570 EA 5" Schedule 40, Polyvinyl Chloride (PVC), 48" Large Radius Elbow ..... <i>For Schedule 80, Add</i>	834.17 231.63	120.46
26 05 33 13-1571 EA 6" Schedule 40, Polyvinyl Chloride (PVC), 48" Large Radius Elbow ..... <i>For Schedule 80, Add</i>	1,181.33 322.83	181.51
<b>26 05 33 13-1572 Polyvinyl Chloride (PVC) Conduit Female Adapters</b> (26 05 33 13-1483)		
26 05 33 13-1573 EA 1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.15 3.45	4.60
26 05 33 13-1574 EA 3/4" Polyvinyl Chloride (PVC) Conduit Female Adapter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.02 3.95	5.26
26 05 33 13-1575 EA 1" Polyvinyl Chloride (PVC) Conduit Female Adapter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.98 4.44	5.91
26 05 33 13-1576 EA 1-1/4" Polyvinyl Chloride (PVC) Conduit Female Adapter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.08 4.93	6.57
26 05 33 13-1577 EA 1-1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.33 6.16	8.22
26 05 33 13-1578 EA 2" Polyvinyl Chloride (PVC) Conduit Female Adapter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.21 7.40	9.86
26 05 33 13-1579 EA 2-1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	37.55 9.86	13.15
26 05 33 13-1580 EA 3" Polyvinyl Chloride (PVC) Conduit Female Adapter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	47.46 12.32	16.44
26 05 33 13-1581 EA 3-1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	61.51 16.02	21.37
26 05 33 13-1582 EA 4" Polyvinyl Chloride (PVC) Conduit Female Adapter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	74.20 19.72	26.30
26 05 33 13-1583 EA 5" Polyvinyl Chloride (PVC) Conduit Female Adapter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	99.29 24.65	32.86
26 05 33 13-1584 EA 6" Polyvinyl Chloride (PVC) Conduit Female Adapter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	123.38 30.81	41.08
<b>26 05 33 13-1585 Polyvinyl Chloride (PVC) Conduit Bell Ends And Plug</b> (26 05 33 13-1483)		
26 05 33 13-1586 EA 1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.03 2.96	3.95
26 05 33 13-1587 EA 3/4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.06 3.45	4.60
26 05 33 13-1588 EA 1" Polyvinyl Chloride (PVC) Conduit Bell End And Plug ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.10 3.95	5.26
26 05 33 13-1589 EA 1-1/4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.96 4.44	5.91
26 05 33 13-1590 EA 1-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.62 4.93	6.57
26 05 33 13-1591 EA 2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30.98 5.67	7.56
26 05 33 13-1592 EA 2-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	34.62 6.41	8.55
26 05 33 13-1593 EA 3" Polyvinyl Chloride (PVC) Conduit Bell End And Plug ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	39.07 7.40	9.86
26 05 33 13-1594 EA 3-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	46.40 8.63	11.51
26 05 33 13-1595 EA 4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	50.90 9.86	13.15
26 05 33 13-1596 EA 5" Polyvinyl Chloride (PVC) Conduit Bell End And Plug ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	65.65 11.09	14.79
26 05 33 13-1597 EA 6" Polyvinyl Chloride (PVC) Conduit Bell End And Plug ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	74.00 12.32	16.44
<b>26 05 33 13-1598 Polyvinyl Chloride (PVC) Conduit Terminal Adapters</b> (26 05 33 13-1483)		
26 05 33 13-1599 EA 1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.17 3.79	8.22
26 05 33 13-1600 EA 3/4" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.02 4.55	9.86
26 05 33 13-1601 EA 1" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.87 5.05	13.15
26 05 33 13-1602 EA 1-1/4" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.13 5.62	16.44
26 05 33 13-1603 EA 1-1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.11 6.16	19.72
26 05 33 13-1604 EA 2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26.91 7.40	26.30
26 05 33 13-1605 EA 2-1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	36.95 9.86	41.08
26 05 33 13-1606 EA 3" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	46.62 12.32	52.63
26 05 33 13-1607 EA 3-1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	60.43 16.02	65.65
26 05 33 13-1608 EA 4" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	73.10 19.72	82.21

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1609 EA 5" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter .....	97.10	32.86
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.65	
26 05 33 13-1610 EA 6" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter .....	120.75	41.08
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30.81	
<b>26 05 33 13-1611 Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover</b> <small>(26 05 33 13-1483)</small>		
26 05 33 13-1612 EA 1/2" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover .....	38.78	13.15
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.86	
26 05 33 13-1613 EA 3/4" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover .....	45.34	14.79
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.09	
26 05 33 13-1614 EA 1" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover .....	50.35	16.44
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.32	
26 05 33 13-1615 EA 1-1/4" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover .....	62.54	19.72
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.79	
26 05 33 13-1616 EA 1-1/2" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover .....	77.12	24.65
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.49	
26 05 33 13-1617 EA 2" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover .....	101.44	29.57
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.19	
26 05 33 13-1618 EA 2-1/2" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover .....	185.11	32.86
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.65	
26 05 33 13-1619 EA 3" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover .....	196.92	36.15
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.11	
26 05 33 13-1620 EA 3-1/2" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover .....	212.82	41.08
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30.81	
26 05 33 13-1621 EA 4" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover .....	236.47	47.65
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	35.74	
<b>26 05 33 13-1622 Polyvinyl Chloride (PVC) Type T, Three Hub Conduit Body With Cover</b> <small>(26 05 33 13-1483)</small>		
26 05 33 13-1623 EA 1/2" Polyvinyl Chloride (PVC) Type T, Three Hub Conduit Body With Cover .....	49.12	16.50
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.38	
26 05 33 13-1624 EA 3/4" Polyvinyl Chloride (PVC) Type T, Three Hub Conduit Body With Cover .....	55.25	18.15
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.61	
26 05 33 13-1625 EA 1" Polyvinyl Chloride (PVC) Type T, Three Hub Conduit Body With Cover .....	59.61	19.80
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.85	
26 05 33 13-1626 EA 1-1/4" Polyvinyl Chloride (PVC) Type T, Three Hub Conduit Body With Cover .....	75.99	23.10
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.33	
26 05 33 13-1627 EA 1-1/2" Polyvinyl Chloride (PVC) Type T, Three Hub Conduit Body With Cover .....	91.67	28.06
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.04	
26 05 33 13-1628 EA 2" Polyvinyl Chloride (PVC) Type T, Three Hub Conduit Body With Cover .....	114.01	33.00
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.75	
<b>26 05 33 13-1629 Polyvinyl Chloride (PVC) Conduit Expansion Joint</b> <small>(26 05 33 13-1483)</small>		
26 05 33 13-1630 EA 1/2" Polyvinyl Chloride (PVC) Conduit Expansion Joint .....	91.56	16.44
26 05 33 13-1631 EA 3/4" Polyvinyl Chloride (PVC) Conduit Expansion Joint .....	101.06	19.72
26 05 33 13-1632 EA 1" Polyvinyl Chloride (PVC) Conduit Expansion Joint .....	111.32	23.01
26 05 33 13-1633 EA 1-1/4" Polyvinyl Chloride (PVC) Conduit Expansion Joint .....	120.83	26.30
26 05 33 13-1634 EA 1-1/2" Polyvinyl Chloride (PVC) Conduit Expansion Joint .....	130.03	29.57
26 05 33 13-1635 EA 2" Polyvinyl Chloride (PVC) Conduit Expansion Joint .....	141.66	32.86
26 05 33 13-1636 EA 2-1/2" Polyvinyl Chloride (PVC) Conduit Expansion Joint .....	174.92	37.79
26 05 33 13-1637 EA 3" Polyvinyl Chloride (PVC) Conduit Expansion Joint .....	211.18	42.72
26 05 33 13-1638 EA 3-1/2" Polyvinyl Chloride (PVC) Conduit Expansion Joint .....	247.64	49.30
26 05 33 13-1639 EA 4" Polyvinyl Chloride (PVC) Conduit Expansion Joint .....	295.33	57.52
26 05 33 13-1640 EA 5" Polyvinyl Chloride (PVC) Conduit Expansion Joint .....	395.18	69.02
26 05 33 13-1641 EA 6" Polyvinyl Chloride (PVC) Conduit Expansion Joint .....	520.91	88.73
<b>26 05 33 13-1642 Polyvinyl Chloride (PVC) Conduit End Caps</b> <small>(26 05 33 13-1483)</small>		
26 05 33 13-1643 EA 1/2" Polyvinyl Chloride (PVC) Conduit End Cap .....	10.87	3.29
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.47	
26 05 33 13-1644 EA 3/4" Polyvinyl Chloride (PVC) Conduit End Cap .....	12.82	3.95
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.96	
26 05 33 13-1645 EA 1" Polyvinyl Chloride (PVC) Conduit End Cap .....	14.71	4.60
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.45	
26 05 33 13-1646 EA 1-1/4" Polyvinyl Chloride (PVC) Conduit End Cap .....	17.75	5.26
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.95	
26 05 33 13-1647 EA 1-1/2" Polyvinyl Chloride (PVC) Conduit End Cap .....	20.84	5.91
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.44	
26 05 33 13-1648 EA 2" Polyvinyl Chloride (PVC) Conduit End Cap .....	24.90	6.57
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.93	
26 05 33 13-1649 EA 2-1/2" Polyvinyl Chloride (PVC) Conduit End Cap .....	36.81	7.56
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.67	
26 05 33 13-1650 EA 3" Polyvinyl Chloride (PVC) Conduit End Cap .....	40.13	8.55
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.41	
26 05 33 13-1651 EA 3-1/2" Polyvinyl Chloride (PVC) Conduit End Cap .....	52.25	9.53
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.15	
26 05 33 13-1652 EA 4" Polyvinyl Chloride (PVC) Conduit End Cap .....	64.16	10.19
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.64	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1653 EA 5" Polyvinyl Chloride (PVC) Conduit End Cap <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	74.86 8.63	11.51
26 05 33 13-1654 EA 6" Polyvinyl Chloride (PVC) Conduit End Cap <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	95.69 9.86	13.15
<b>26 05 33 13-1655 Polyvinyl Chloride (PVC) Type LB Telecommunications Conduit Bodies With Cover (Smart Pathways) (26 05 33 13-1483)</b>		
26 05 33 13-1656 EA 2" Polyvinyl Chloride (PVC) Type LB Telecommunications Conduit Body With Cover (Smart Pathways EZLB200) <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	111.41 22.19	29.57
26 05 33 13-1657 EA 3/4" To 1-1/4" Polyvinyl Chloride (PVC) Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB121) <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	124.95 14.79	19.72
26 05 33 13-1658 EA 1-1/2" To 2-1/2" Polyvinyl Chloride (PVC) Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB251) <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	314.08 24.65	32.86
26 05 33 13-1659 EA 3" To 4" Polyvinyl Chloride (PVC) Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB401) <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	623.78 35.74	47.65
<b>26 05 33 13-1660 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit (26 05 33 13-0059)</b> Note: Exposed installation. Excludes supporting strap, hanger and fastening.		
<b>26 05 33 13-1661 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit (26 05 33 13-1660)</b>		
26 05 33 13-1662 LF 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	9.25	1.34
26 05 33 13-1663 LF 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	10.33	1.48
26 05 33 13-1664 LF 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	11.33	1.71
26 05 33 13-1665 LF 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	12.33	1.97
26 05 33 13-1666 LF 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	13.75	2.30
26 05 33 13-1667 LF 2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	14.79	2.63
26 05 33 13-1668 LF 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	17.65	3.13
26 05 33 13-1669 LF 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	20.85	3.62
26 05 33 13-1670 LF 3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	23.97	4.27
26 05 33 13-1671 LF 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	27.91	5.26
26 05 33 13-1672 LF 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	36.93	7.40
26 05 33 13-1673 LF 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	47.71	9.86
<b>26 05 33 13-1674 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbows, 12" Large Radius Elbows (26 05 33 13-1660)</b>		
26 05 33 13-1675 EA 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	125.39 8.99 12.54 16.08	6.57
26 05 33 13-1676 EA 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	140.06 10.05 14.01 17.96	7.23
26 05 33 13-1677 EA 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	143.76 10.27 14.38 18.48	8.22
26 05 33 13-1678 EA 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	150.72 10.65 15.07 19.50	10.51
26 05 33 13-1679 EA 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	158.52 11.07 15.85 20.64	13.15
26 05 33 13-1680 EA 2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	184.07 12.78 18.41 24.04	16.44
26 05 33 13-1681 EA 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	220.44 15.30 22.04 28.79	19.72
26 05 33 13-1682 EA 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	262.89 18.28 26.29 34.30	23.01
26 05 33 13-1683 EA 3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	300.88 20.82 30.09 39.36	27.93

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-1684	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows .....	338.87	32.86
			<i>For 24" Radius, Add</i>	23.36	
			<i>For 36" Radius, Add</i>	33.89	
			<i>For 48" Radius, Add</i>	44.41	
26 05 33	13-1685	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows .....	423.59	41.08
			<i>For 24" Radius, Add</i>	29.20	
			<i>For 36" Radius, Add</i>	42.36	
			<i>For 48" Radius, Add</i>	55.52	
26 05 33	13-1686	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows .....	524.36	49.30
			<i>For 24" Radius, Add</i>	36.25	
			<i>For 36" Radius, Add</i>	52.44	
			<i>For 48" Radius, Add</i>	68.63	
<b>26 05 33 13-1687 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbows, 12" Large Radius Elbows <small>(26 05 33 13-1660)</small></b>					
26 05 33	13-1688	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows .....	105.78	6.57
			<i>For 24" Radius, Add</i>	7.52	
			<i>For 36" Radius, Add</i>	10.58	
			<i>For 48" Radius, Add</i>	13.63	
26 05 33	13-1689	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows .....	118.10	7.23
			<i>For 24" Radius, Add</i>	8.41	
			<i>For 36" Radius, Add</i>	11.81	
			<i>For 48" Radius, Add</i>	15.21	
26 05 33	13-1690	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows .....	121.58	8.22
			<i>For 24" Radius, Add</i>	8.61	
			<i>For 36" Radius, Add</i>	12.16	
			<i>For 48" Radius, Add</i>	15.71	
26 05 33	13-1691	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows .....	128.33	10.51
			<i>For 24" Radius, Add</i>	8.97	
			<i>For 36" Radius, Add</i>	12.83	
			<i>For 48" Radius, Add</i>	16.70	
26 05 33	13-1692	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows .....	135.90	13.15
			<i>For 24" Radius, Add</i>	9.37	
			<i>For 36" Radius, Add</i>	13.59	
			<i>For 48" Radius, Add</i>	17.81	
26 05 33	13-1693	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows .....	158.33	16.44
			<i>For 24" Radius, Add</i>	10.85	
			<i>For 36" Radius, Add</i>	15.83	
			<i>For 48" Radius, Add</i>	20.82	
26 05 33	13-1694	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows .....	189.64	19.72
			<i>For 24" Radius, Add</i>	12.99	
			<i>For 36" Radius, Add</i>	18.96	
			<i>For 48" Radius, Add</i>	24.94	
26 05 33	13-1695	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows .....	225.92	23.01
			<i>For 24" Radius, Add</i>	15.51	
			<i>For 36" Radius, Add</i>	22.59	
			<i>For 48" Radius, Add</i>	29.68	
26 05 33	13-1696	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows .....	259.29	27.93
			<i>For 24" Radius, Add</i>	17.70	
			<i>For 36" Radius, Add</i>	25.93	
			<i>For 48" Radius, Add</i>	34.16	
26 05 33	13-1697	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows .....	292.66	32.86
			<i>For 24" Radius, Add</i>	19.90	
			<i>For 36" Radius, Add</i>	29.27	
			<i>For 48" Radius, Add</i>	38.64	
26 05 33	13-1698	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows .....	365.83	41.08
			<i>For 24" Radius, Add</i>	24.87	
			<i>For 36" Radius, Add</i>	36.58	
			<i>For 48" Radius, Add</i>	48.30	
26 05 33	13-1699	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows .....	452.16	49.30
			<i>For 24" Radius, Add</i>	30.83	
			<i>For 36" Radius, Add</i>	45.22	
			<i>For 48" Radius, Add</i>	59.60	
<b>26 05 33 13-1700 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbows, 12" Large Radius Elbows <small>(26 05 33 13-1660)</small></b>					
26 05 33	13-1701	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows .....	98.68	5.91
			<i>For 24" Radius, Add</i>	7.03	
			<i>For 36" Radius, Add</i>	9.87	
			<i>For 48" Radius, Add</i>	12.70	
26 05 33	13-1702	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows .....	110.19	6.50
			<i>For 24" Radius, Add</i>	7.86	
			<i>For 36" Radius, Add</i>	11.02	
			<i>For 48" Radius, Add</i>	14.18	
26 05 33	13-1703	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows .....	113.37	7.40
			<i>For 24" Radius, Add</i>	8.04	
			<i>For 36" Radius, Add</i>	11.34	
			<i>For 48" Radius, Add</i>	14.63	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1704 EA 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows.....	119.46	9.46
<i>For 24" Radius, Add</i>	8.37	
<i>For 36" Radius, Add</i>	11.95	
<i>For 48" Radius, Add</i>	15.52	
26 05 33 13-1705 EA 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows.....	126.33	11.84
<i>For 24" Radius, Add</i>	8.74	
<i>For 36" Radius, Add</i>	12.63	
<i>For 48" Radius, Add</i>	16.53	
26 05 33 13-1706 EA 2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows.....	147.07	14.79
<i>For 24" Radius, Add</i>	10.11	
<i>For 36" Radius, Add</i>	14.71	
<i>For 48" Radius, Add</i>	19.31	
26 05 33 13-1707 EA 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows.....	176.15	17.75
<i>For 24" Radius, Add</i>	12.10	
<i>For 36" Radius, Add</i>	17.62	
<i>For 48" Radius, Add</i>	23.13	
26 05 33 13-1708 EA 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows.....	209.89	20.71
<i>For 24" Radius, Add</i>	14.45	
<i>For 36" Radius, Add</i>	20.99	
<i>For 48" Radius, Add</i>	27.53	
26 05 33 13-1709 EA 3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows.....	240.76	25.14
<i>For 24" Radius, Add</i>	16.49	
<i>For 36" Radius, Add</i>	24.08	
<i>For 48" Radius, Add</i>	31.67	
26 05 33 13-1710 EA 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows.....	271.62	29.57
<i>For 24" Radius, Add</i>	18.52	
<i>For 36" Radius, Add</i>	27.16	
<i>For 48" Radius, Add</i>	35.80	
26 05 33 13-1711 EA 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows.....	339.52	36.97
<i>For 24" Radius, Add</i>	23.15	
<i>For 36" Radius, Add</i>	33.95	
<i>For 48" Radius, Add</i>	44.75	
26 05 33 13-1712 EA 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows.....	419.78	44.37
<i>For 24" Radius, Add</i>	28.71	
<i>For 36" Radius, Add</i>	41.98	
<i>For 48" Radius, Add</i>	55.25	
<b>26 05 33 13-1713 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbows, 12" Large Radius Elbows</b> <small>(26 05 33 13-1660)</small>		
26 05 33 13-1714 EA 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows.....	93.24	5.91
<i>For 24" Radius, Add</i>	6.62	
<i>For 36" Radius, Add</i>	9.32	
<i>For 48" Radius, Add</i>	12.02	
26 05 33 13-1715 EA 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows.....	104.10	6.50
<i>For 24" Radius, Add</i>	7.40	
<i>For 36" Radius, Add</i>	10.41	
<i>For 48" Radius, Add</i>	13.42	
26 05 33 13-1716 EA 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows.....	107.21	7.40
<i>For 24" Radius, Add</i>	7.58	
<i>For 36" Radius, Add</i>	10.72	
<i>For 48" Radius, Add</i>	13.86	
26 05 33 13-1717 EA 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows.....	113.24	9.46
<i>For 24" Radius, Add</i>	7.90	
<i>For 36" Radius, Add</i>	11.32	
<i>For 48" Radius, Add</i>	14.75	
26 05 33 13-1718 EA 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows.....	120.04	11.84
<i>For 24" Radius, Add</i>	8.26	
<i>For 36" Radius, Add</i>	12.00	
<i>For 48" Radius, Add</i>	15.74	
26 05 33 13-1719 EA 2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows.....	139.92	14.79
<i>For 24" Radius, Add</i>	9.57	
<i>For 36" Radius, Add</i>	13.99	
<i>For 48" Radius, Add</i>	18.41	
26 05 33 13-1720 EA 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows.....	167.59	17.75
<i>For 24" Radius, Add</i>	11.46	
<i>For 36" Radius, Add</i>	16.76	
<i>For 48" Radius, Add</i>	22.06	
26 05 33 13-1721 EA 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows.....	199.63	20.71
<i>For 24" Radius, Add</i>	13.68	
<i>For 36" Radius, Add</i>	19.96	
<i>For 48" Radius, Add</i>	26.25	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1722	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows.....	229.21	25.14
		For 24" Radius, Add	15.62	
		For 36" Radius, Add	22.92	
		For 48" Radius, Add	30.22	
26 05 33 13-1723	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows.....	258.78	29.57
		For 24" Radius, Add	17.56	
		For 36" Radius, Add	25.88	
		For 48" Radius, Add	34.20	
26 05 33 13-1724	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows.....	323.47	36.97
		For 24" Radius, Add	21.95	
		For 36" Radius, Add	32.35	
		For 48" Radius, Add	42.74	
26 05 33 13-1725	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows.....	399.72	44.37
		For 24" Radius, Add	27.21	
		For 36" Radius, Add	39.97	
		For 48" Radius, Add	52.74	
<b>26 05 33 13-1726</b>		<b>Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Couplings</b> <small>(26 05 33 13-1660)</small>		
26 05 33 13-1727	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling.....	56.62	4.60
26 05 33 13-1728	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling.....	63.42	5.26
26 05 33 13-1729	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling.....	65.58	5.91
26 05 33 13-1730	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling.....	67.65	6.57
26 05 33 13-1731	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling.....	72.78	8.22
26 05 33 13-1732	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling.....	86.86	9.86
26 05 33 13-1733	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling.....	107.73	13.15
26 05 33 13-1734	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling.....	130.93	16.44
26 05 33 13-1735	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling.....	154.49	21.37
26 05 33 13-1736	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling.....	178.04	26.30
26 05 33 13-1737	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling.....	222.54	32.86
26 05 33 13-1738	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling.....	278.12	41.08
<b>26 05 33 13-1739</b>		<b>Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Couplings</b> <small>(26 05 33 13-1660)</small>		
26 05 33 13-1740	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling.....	36.96	4.60
26 05 33 13-1741	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling.....	41.43	5.26
26 05 33 13-1742	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling.....	43.37	5.91
26 05 33 13-1743	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling.....	45.32	6.57
26 05 33 13-1744	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling.....	49.72	8.22
26 05 33 13-1745	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling.....	54.00	9.86
26 05 33 13-1746	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling.....	68.07	13.15
26 05 33 13-1747	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling.....	83.35	16.44
26 05 33 13-1748	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling.....	100.97	21.37
26 05 33 13-1749	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling.....	118.57	26.30
26 05 33 13-1750	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling.....	148.26	32.86
26 05 33 13-1751	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling.....	185.27	41.08
<b>26 05 33 13-1752</b>		<b>Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Couplings</b> <small>(26 05 33 13-1660)</small>		
26 05 33 13-1753	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling.....	43.15	3.78
26 05 33 13-1754	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling.....	48.32	5.26
26 05 33 13-1755	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling.....	50.34	5.91
26 05 33 13-1756	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling.....	52.21	6.57
26 05 33 13-1757	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling.....	57.12	8.22
26 05 33 13-1758	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling.....	68.21	9.86
26 05 33 13-1759	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling.....	85.10	13.15
26 05 33 13-1760	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling.....	103.76	16.44
26 05 33 13-1761	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling.....	123.92	21.37
26 05 33 13-1762	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling.....	144.07	26.30
26 05 33 13-1763	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling.....	180.05	32.86
26 05 33 13-1764	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling.....	225.11	41.08
<b>26 05 33 13-1765</b>		<b>Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joints</b> <small>(26 05 33 13-1660)</small>		
26 05 33 13-1766	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint.....	75.95	16.44
26 05 33 13-1767	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint.....	87.98	19.72
26 05 33 13-1768	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint.....	96.63	23.01
26 05 33 13-1769	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint.....	105.09	26.30
26 05 33 13-1770	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint.....	114.21	29.57
26 05 33 13-1771	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint.....	130.08	32.86
26 05 33 13-1772	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint.....	152.00	37.79
26 05 33 13-1773	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint.....	175.82	42.72
26 05 33 13-1774	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint.....	200.88	49.30



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1775 EA 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint.....	230.04	57.52
26 05 33 13-1776 EA 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint.....	272.15	65.73
26 05 33 13-1777 EA 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint.....	319.65	73.95
<b>26 05 33 13-1778 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joints</b> <small>(26 05 33 13-1660)</small>		
26 05 33 13-1779 EA 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint.....	90.11	16.44
26 05 33 13-1780 EA 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint.....	103.85	19.72
26 05 33 13-1781 EA 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint.....	112.59	23.01
26 05 33 13-1782 EA 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint.....	121.22	26.30
26 05 33 13-1783 EA 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint.....	130.47	29.57
26 05 33 13-1784 EA 2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint.....	148.65	32.86
26 05 33 13-1785 EA 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint.....	174.28	37.79
26 05 33 13-1786 EA 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint.....	202.56	42.72
26 05 33 13-1787 EA 3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint.....	230.98	49.30
26 05 33 13-1788 EA 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint.....	263.49	57.52
26 05 33 13-1789 EA 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint.....	314.08	65.73
26 05 33 13-1790 EA 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint.....	372.06	73.95
<b>26 05 33 13-1791 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapters</b> <small>(26 05 33 13-1660)</small>		
26 05 33 13-1792 EA 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter.....	128.09	4.60
26 05 33 13-1793 EA 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter.....	142.66	5.26
26 05 33 13-1794 EA 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter.....	148.28	5.91
26 05 33 13-1795 EA 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter.....	154.08	6.57
26 05 33 13-1796 EA 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter.....	160.32	8.22
26 05 33 13-1797 EA 2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter.....	177.73	9.86
26 05 33 13-1798 EA 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter.....	216.58	13.15
26 05 33 13-1799 EA 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter.....	261.42	16.44
26 05 33 13-1800 EA 3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter.....	301.31	21.37
26 05 33 13-1801 EA 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter.....	341.18	26.30
26 05 33 13-1802 EA 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter.....	426.58	32.86
26 05 33 13-1803 EA 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter.....	530.55	41.08
<b>26 05 33 13-1804 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joints</b> <small>(26 05 33 13-1660)</small>		
26 05 33 13-1805 EA 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint.....	114.73	16.44
26 05 33 13-1806 EA 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint.....	131.15	19.72
26 05 33 13-1807 EA 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint.....	158.63	23.01
26 05 33 13-1808 EA 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint.....	202.05	26.30
26 05 33 13-1809 EA 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint.....	260.83	29.57
26 05 33 13-1810 EA 2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint.....	359.12	32.86
26 05 33 13-1811 EA 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint.....	530.31	37.79
26 05 33 13-1812 EA 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint.....	647.22	42.72
26 05 33 13-1813 EA 3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint.....	787.87	49.30
26 05 33 13-1814 EA 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint.....	932.61	57.52
26 05 33 13-1815 EA 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint.....	1,101.33	65.73
26 05 33 13-1816 EA 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint.....	1,775.60	73.95
<b>26 05 33 13-1817 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover</b> <small>(26 05 33 13-1660)</small>		
26 05 33 13-1818 EA 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover.....	98.06	13.15
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.86	
26 05 33 13-1819 EA 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover.....	114.72	14.79
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.09	
26 05 33 13-1820 EA 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover.....	159.62	16.44
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.32	
26 05 33 13-1821 EA 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover.....	195.73	19.72
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.79	
26 05 33 13-1822 EA 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover.....	249.89	24.65
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.49	
26 05 33 13-1823 EA 2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover.....	352.87	29.57
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.19	
26 05 33 13-1824 EA 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover.....	609.25	34.51
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.88	
26 05 33 13-1825 EA 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover.....	795.91	39.44
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29.58	
26 05 33 13-1826 EA 3-1/2" Type LB, LR Or LL, Two Hub Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Body And Cover.....	960.51	46.01
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	34.51	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1827 EA 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,125.13 39.44	52.58
26 05 33 13-1828 EA 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,333.31 44.37	59.16
26 05 33 13-1829 EA 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,515.36 49.30	65.73
<b>26 05 33 13-1830 Explosion Proof Conduit Fittings</b> <small>(26 05 33 13-0059)</small> Note: For use with Rigid Galvanized Steel (RGS), Electrical Metallic Tubing (EMT) and Intermediate Metal Conduit (IMC) conduit.		
<b>26 05 33 13-1831 Explosion Proof Malleable Iron Conduit Unions</b> <small>(26 05 33 13-1830)</small>		
26 05 33 13-1832 EA 1/2" Explosion Proof Malleable Iron Conduit Union	36.94	6.88
26 05 33 13-1833 EA 3/4" Explosion Proof Malleable Iron Conduit Union	46.18	7.60
26 05 33 13-1834 EA 1" Explosion Proof Malleable Iron Conduit Union	74.68	10.14
26 05 33 13-1835 EA 1-1/4" Explosion Proof Malleable Iron Conduit Union	100.44	11.23
26 05 33 13-1836 EA 1-1/2" Explosion Proof Malleable Iron Conduit Union	126.67	13.76
26 05 33 13-1837 EA 2" Explosion Proof Malleable Iron Conduit Union	158.67	15.93
26 05 33 13-1838 EA 2-1/2" Explosion Proof Malleable Iron Conduit Union	242.53	22.76
26 05 33 13-1839 EA 3" Explosion Proof Malleable Iron Conduit Union	309.58	27.10
26 05 33 13-1840 EA 3-1/2" Explosion Proof Malleable Iron Conduit Union	529.33	32.52
26 05 33 13-1841 EA 4" Explosion Proof Malleable Iron Conduit Union	556.28	41.55
<b>26 05 33 13-1842 Explosion Proof Malleable Iron Conduit Bodies</b> <small>(26 05 33 13-1830)</small>		
26 05 33 13-1843 EA 1/2" Explosion Proof Malleable Iron Two Hub Conduit Body	132.75	21.72
26 05 33 13-1844 EA 3/4" Explosion Proof Malleable Iron Two Hub Conduit Body	149.54	24.63
26 05 33 13-1845 EA 1" Explosion Proof Malleable Iron Two Hub Conduit Body	176.37	27.16
26 05 33 13-1846 EA 1/2" Explosion Proof Malleable Iron Three Hub Conduit Body	147.82	27.16
26 05 33 13-1847 EA 3/4" Explosion Proof Malleable Iron Three Hub Conduit Body	175.94	32.59
26 05 33 13-1848 EA 1" Explosion Proof Malleable Iron Three Hub Conduit Body	209.17	37.29
<b>26 05 33 13-1849 Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical</b> <small>(26 05 33 13-1830)</small> Note: Includes sealing gasket and lock nut.		
26 05 33 13-1850 EA 1/2" x 1" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	109.70 13.58	18.10
26 05 33 13-1851 EA 3/4" x 1" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	110.76 15.21	20.27
26 05 33 13-1852 EA 1" x 1-1/2" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	120.94 16.56	22.08
26 05 33 13-1853 EA 1-1/4" x 2" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	156.37 20.37	27.16
26 05 33 13-1854 EA 1-1/2" x 2" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	201.74 23.90	31.86
26 05 33 13-1855 EA 2" x 2-1/2" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	262.86 27.16	36.21
26 05 33 13-1856 EA 2-1/2" x 3" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	372.14 40.64	54.19
26 05 33 13-1857 EA 3" x 4" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	470.79 50.94	67.92
26 05 33 13-1858 EA 3-1/2" x 4" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	680.94 56.09	74.79
26 05 33 13-1859 EA 4" x 5" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	890.17 60.97	81.29
<b>26 05 33 13-1860 Explosion Proof Flexible Conduit Couplings</b> <small>(26 05 33 13-1830)</small>		
26 05 33 13-1861 EA 1/2" x 12" Explosion Proof Flexible Conduit Coupling	324.47	8.33
26 05 33 13-1862 EA 3/4" x 15" Explosion Proof Flexible Conduit Coupling	425.67	9.42
<b>26 05 33 13-1863 Conduit Installed Below Grade</b> <small>(26 05 33 13-0058)</small> Note: By direct burial in trench or in concrete slabs or duct banks. Includes detectable warning tape for underground conduits. Excludes trenching, backfilling and concrete.		
<b>26 05 33 13-1864 Schedule 40 Polyvinyl Chloride (PVC) Conduit, Direct Burial</b> <small>(26 05 33 13-1863)</small>		
<b>26 05 33 13-1865 Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial</b> <small>(26 05 33 13-1864)</small> Note: Includes field bend conduit up to 1".		
26 05 33 13-1866 LF 1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	3.66 0.38 0.61	
26 05 33 13-1867 LF 3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	4.20 0.47 0.75	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1868 LF 1" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial.....	5.07	
<i>For Schedule 60, Add</i>	0.65	
<i>For Schedule 80, Add</i>	1.00	
26 05 33 13-1869 LF 1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial.....	5.94	
<i>For Schedule 60, Add</i>	0.83	
<i>For Schedule 80, Add</i>	1.26	
26 05 33 13-1870 LF 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial.....	6.66	
<i>For Schedule 60, Add</i>	0.97	
<i>For Schedule 80, Add</i>	1.46	
26 05 33 13-1871 LF 2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial.....	7.88	
<i>For Schedule 60, Add</i>	1.23	
<i>For Schedule 80, Add</i>	1.83	
26 05 33 13-1872 LF 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial.....	10.57	
<i>For Schedule 60, Add</i>	1.86	
<i>For Schedule 80, Add</i>	2.72	
26 05 33 13-1873 LF 3" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial.....	12.06	
<i>For Schedule 60, Add</i>	2.19	
<i>For Schedule 80, Add</i>	3.19	
26 05 33 13-1874 LF 3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial.....	14.47	
<i>For Schedule 60, Add</i>	2.76	
<i>For Schedule 80, Add</i>	3.99	
26 05 33 13-1875 LF 4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial.....	15.68	
<i>For Schedule 60, Add</i>	3.02	
<i>For Schedule 80, Add</i>	4.36	
26 05 33 13-1876 LF 5" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial.....	20.99	
<i>For Schedule 60, Add</i>	4.30	
<i>For Schedule 80, Add</i>	6.17	
26 05 33 13-1877 LF 6" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial.....	26.42	
<i>For Schedule 60, Add</i>	5.62	
<i>For Schedule 80, Add</i>	8.01	
<b>26 05 33 13-1878 Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbows, Direct Burial</b>		
<small>(26 05 33 13-1864)</small>		
See CSI section 26 05 33 13-2324 for conduit field bending.		
26 05 33 13-1879 EA 1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial .....	21.92	
<i>For Schedule 60, Add</i>	1.37	
<i>For Schedule 80, Add</i>	2.54	
26 05 33 13-1880 EA 3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial .....	26.31	
<i>For Schedule 60, Add</i>	1.65	
<i>For Schedule 80, Add</i>	3.05	
26 05 33 13-1881 EA 1" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial .....	31.35	
<i>For Schedule 60, Add</i>	2.09	
<i>For Schedule 80, Add</i>	3.79	
26 05 33 13-1882 EA 1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial .....	36.61	
<i>For Schedule 60, Add</i>	2.58	
<i>For Schedule 80, Add</i>	4.60	
26 05 33 13-1883 EA 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial .....	42.05	
<i>For Schedule 60, Add</i>	3.12	
<i>For Schedule 80, Add</i>	5.48	
26 05 33 13-1884 EA 2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial .....	48.12	
<i>For Schedule 60, Add</i>	3.81	
<i>For Schedule 80, Add</i>	6.57	
26 05 33 13-1885 EA 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial .....	57.61	
<i>For Schedule 60, Add</i>	5.36	
<i>For Schedule 80, Add</i>	8.87	
26 05 33 13-1886 EA 3" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial .....	69.56	
<i>For Schedule 60, Add</i>	7.53	
<i>For Schedule 80, Add</i>	12.02	
26 05 33 13-1887 EA 3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial .....	85.67	
<i>For Schedule 60, Add</i>	9.91	
<i>For Schedule 80, Add</i>	15.60	
26 05 33 13-1888 EA 4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial .....	101.95	
<i>For Schedule 60, Add</i>	12.34	
<i>For Schedule 80, Add</i>	19.25	
26 05 33 13-1889 EA 5" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial .....	137.86	
<i>For Schedule 60, Add</i>	19.68	
<i>For Schedule 80, Add</i>	29.76	
26 05 33 13-1890 EA 6" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial .....	163.63	
<i>For Schedule 60, Add</i>	24.48	
<i>For Schedule 80, Add</i>	36.73	
<b>26 05 33 13-1891 Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbows, Direct Burial</b>		
<small>(26 05 33 13-1864)</small>		
See CSI section 26 05 33 13-2324 for conduit field bending.		
26 05 33 13-1892 EA 1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial .....	21.92	
<i>For Schedule 60, Add</i>	1.37	
<i>For Schedule 80, Add</i>	2.54	
26 05 33 13-1893 EA 3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial .....	26.21	
<i>For Schedule 60, Add</i>	1.62	
<i>For Schedule 80, Add</i>	3.01	

**26 Electrical**  
**26 05 Common Work Results for Electrical**  
**26 05 33 Raceway and Boxes for Electrical Systems**



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1894 EA 1" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial .....	31.21	
For Schedule 60, Add	2.05	
For Schedule 80, Add	3.74	
26 05 33 13-1895 EA 1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial .....	36.21	
For Schedule 60, Add	2.48	
For Schedule 80, Add	4.46	
26 05 33 13-1896 EA 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial .....	41.16	
For Schedule 60, Add	2.90	
For Schedule 80, Add	5.16	
26 05 33 13-1897 EA 2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial .....	47.64	
For Schedule 60, Add	3.69	
For Schedule 80, Add	6.40	
26 05 33 13-1898 EA 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial .....	56.71	
For Schedule 60, Add	5.14	
For Schedule 80, Add	8.55	
26 05 33 13-1899 EA 3" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial .....	68.42	
For Schedule 60, Add	7.25	
For Schedule 80, Add	11.62	
26 05 33 13-1900 EA 3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial .....	82.48	
For Schedule 60, Add	9.12	
For Schedule 80, Add	14.49	
26 05 33 13-1901 EA 4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial .....	99.21	
For Schedule 60, Add	11.66	
For Schedule 80, Add	18.29	
26 05 33 13-1902 EA 5" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial .....	134.31	
For Schedule 60, Add	18.79	
For Schedule 80, Add	28.52	
26 05 33 13-1903 EA 6" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial .....	153.05	
For Schedule 60, Add	21.83	
For Schedule 80, Add	33.03	
<b>26 05 33 13-1904 Polyvinyl Chloride (PVC) Conduit Female Adapters, Direct Burial</b> <small>(26 05 33 13-1864)</small>		
26 05 33 13-1905 EA 1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial .....	12.15	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.45	
26 05 33 13-1906 EA 3/4" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial .....	14.02	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.95	
26 05 33 13-1907 EA 1" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial .....	15.98	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.44	
26 05 33 13-1908 EA 1-1/4" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial .....	18.08	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.93	
26 05 33 13-1909 EA 1-1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial .....	19.87	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.42	
26 05 33 13-1910 EA 2" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial .....	22.28	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.92	
26 05 33 13-1911 EA 2-1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial .....	26.88	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.66	
26 05 33 13-1912 EA 3" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial .....	31.03	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.40	
26 05 33 13-1913 EA 3-1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial .....	36.85	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.63	
26 05 33 13-1914 EA 4" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial .....	41.33	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.86	
26 05 33 13-1915 EA 5" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial .....	54.10	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.09	
26 05 33 13-1916 EA 6" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial .....	61.76	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.32	
<b>26 05 33 13-1917 Polyvinyl Chloride (PVC) Conduit Bell Ends And Plug, Direct Burial</b> <small>(26 05 33 13-1864)</small>		
26 05 33 13-1918 EA 1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial .....	15.03	
26 05 33 13-1919 EA 3/4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial .....	17.06	
26 05 33 13-1920 EA 1" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial .....	19.10	
26 05 33 13-1921 EA 1-1/4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial .....	24.61	
26 05 33 13-1922 EA 1-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial .....	27.26	
26 05 33 13-1923 EA 2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial .....	30.98	
26 05 33 13-1924 EA 2-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial .....	34.62	
26 05 33 13-1925 EA 3" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial .....	39.07	
26 05 33 13-1926 EA 3-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial .....	46.40	
26 05 33 13-1927 EA 4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial .....	50.90	
26 05 33 13-1928 EA 5" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial .....	65.65	
26 05 33 13-1929 EA 6" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial .....	74.00	
<b>26 05 33 13-1930 Polyvinyl Chloride (PVC) Conduit Male Terminal Adapters, Direct Burial</b> <small>(26 05 33 13-1864)</small>		
26 05 33 13-1931 EA 1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapters, Direct Burial .....	12.04	
26 05 33 13-1932 EA 3/4" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapters, Direct Burial .....	14.02	
26 05 33 13-1933 EA 1" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapters, Direct Burial .....	15.84	
26 05 33 13-1934 EA 1-1/4" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapters, Direct Burial .....	17.83	
26 05 33 13-1935 EA 1-1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial .....	19.65	
26 05 33 13-1936 EA 2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial .....	21.98	
26 05 33 13-1937 EA 2-1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial .....	26.28	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1938 EA 3" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial .....	30.19	
26 05 33 13-1939 EA 3-1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial .....	35.77	
26 05 33 13-1940 EA 4" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial .....	40.23	
26 05 33 13-1941 EA 5" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial .....	51.91	
26 05 33 13-1942 EA 6" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial .....	59.13	
 <b>26 05 33 13-1943 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial</b> <small>(26 05 33 13-1863)</small>		
<i>Note: 40 mil Polyvinyl Chloride (PVC) coated, 2 mil urethane lined (Ocal Blue, Crouse-Hinds, Appleton or O-Z/Gedney).</i>		
 <b>26 05 33 13-1944 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial</b> <small>(26 05 33 13-1943)</small>		
<i>Note: Includes field bending for conduit up to 1".</i>		
26 05 33 13-1945 LF 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial .....	10.21	1.74
<i>For &gt;250 To 500, Deduct</i>	-0.40	
<i>For &gt;500 To 1,000, Deduct</i>	-0.65	
<i>For &gt;1,000, Deduct</i>	-0.91	
26 05 33 13-1946 LF 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial .....	11.52	2.15
<i>For &gt;250 To 500, Deduct</i>	-0.45	
<i>For &gt;500 To 1,000, Deduct</i>	-0.74	
<i>For &gt;1,000, Deduct</i>	-1.03	
26 05 33 13-1947 LF 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial .....	14.29	2.39
<i>For &gt;250 To 500, Deduct</i>	-0.57	
<i>For &gt;500 To 1,000, Deduct</i>	-0.93	
<i>For &gt;1,000, Deduct</i>	-1.28	
26 05 33 13-1948 LF 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial .....	17.39	3.22
<i>For &gt;250 To 500, Deduct</i>	-0.70	
<i>For &gt;500 To 1,000, Deduct</i>	-1.14	
<i>For &gt;1,000, Deduct</i>	-1.57	
26 05 33 13-1949 LF 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial .....	20.54	3.63
<i>For &gt;250 To 500, Deduct</i>	-0.84	
<i>For &gt;500 To 1,000, Deduct</i>	-1.35	
<i>For &gt;1,000, Deduct</i>	-1.87	
26 05 33 13-1950 LF 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial .....	26.16	3.96
<i>For &gt;250 To 500, Deduct</i>	-1.08	
<i>For &gt;500 To 1,000, Deduct</i>	-1.74	
<i>For &gt;1,000, Deduct</i>	-2.39	
26 05 33 13-1951 LF 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial .....	38.28	5.94
<i>For &gt;250 To 500, Deduct</i>	-1.60	
<i>For &gt;500 To 1,000, Deduct</i>	-2.56	
<i>For &gt;1,000, Deduct</i>	-3.52	
26 05 33 13-1952 LF 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial .....	49.17	7.43
<i>For &gt;250 To 500, Deduct</i>	-2.05	
<i>For &gt;500 To 1,000, Deduct</i>	-3.28	
<i>For &gt;1,000, Deduct</i>	-4.50	
26 05 33 13-1953 LF 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial .....	60.60	7.84
<i>For &gt;250 To 500, Deduct</i>	-2.51	
<i>For &gt;500 To 1,000, Deduct</i>	-4.03	
<i>For &gt;1,000, Deduct</i>	-5.54	
26 05 33 13-1954 LF 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial .....	71.87	8.66
<i>For &gt;250 To 500, Deduct</i>	-2.97	
<i>For &gt;500 To 1,000, Deduct</i>	-4.77	
<i>For &gt;1,000, Deduct</i>	-6.57	
26 05 33 13-1955 LF 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial .....	114.85	11.96
<i>For &gt;250 To 500, Deduct</i>	-4.96	
<i>For &gt;500 To 1,000, Deduct</i>	-7.83	
<i>For &gt;1,000, Deduct</i>	-10.70	
26 05 33 13-1956 LF 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial .....	154.04	15.67
<i>For &gt;250 To 500, Deduct</i>	-6.71	
<i>For &gt;500 To 1,000, Deduct</i>	-10.56	
<i>For &gt;1,000, Deduct</i>	-14.41	
 <b>26 05 33 13-1957 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Couplings, Direct Burial</b> <small>(26 05 33 13-1943)</small>		
26 05 33 13-1958 EA 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	10.94	2.48
26 05 33 13-1959 EA 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	12.88	3.30
26 05 33 13-1960 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	16.39	4.12
26 05 33 13-1961 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial .....	18.57	4.54
26 05 33 13-1962 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial .....	22.03	5.36
26 05 33 13-1963 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	28.90	6.19
26 05 33 13-1964 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial .....	55.76	7.43
26 05 33 13-1965 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	70.32	10.32
26 05 33 13-1966 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial .....	87.67	11.96
26 05 33 13-1967 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	107.53	16.50
26 05 33 13-1968 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	288.24	22.69
26 05 33 13-1969 EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	296.87	12.78

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
26 05 33 13-1970		<b>Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbows, Direct Burial</b> <small>(26 05 33 13-1943)</small> Note: 90, 45, or 30 degree.			
26 05 33 13-1971	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial	41.62		10.32
26 05 33 13-1972	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial	47.37		12.78
26 05 33 13-1973	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial	56.34		15.67
26 05 33 13-1974	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial	67.01		18.15
26 05 33 13-1975	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial	78.99		20.63
26 05 33 13-1976	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial	98.04		22.69
26 05 33 13-1977	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial	156.15		28.47
26 05 33 13-1978	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial	236.11		38.77
26 05 33 13-1979	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial	295.52		43.73
26 05 33 13-1980	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial	333.79		56.92
26 05 33 13-1981	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial	715.64		92.82
26 05 33 13-1982	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial	1,130.80		139.44
26 05 33 13-1983		<b>Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbows, Direct Burial</b> <small>(26 05 33 13-1943)</small>			
26 05 33 13-1984	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow, Direct Burial	105.81		15.67
26 05 33 13-1985	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow, Direct Burial	118.66		18.15
26 05 33 13-1986	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow, Direct Burial	135.54		20.63
26 05 33 13-1987	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow, Direct Burial	163.29		22.69
26 05 33 13-1988	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow, Direct Burial	230.00		28.47
26 05 33 13-1989		<b>Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbows, Direct Burial</b> <small>(26 05 33 13-1943)</small>			
26 05 33 13-1990	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial	119.19		15.67
26 05 33 13-1991	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial	140.77		18.15
26 05 33 13-1992	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial	151.39		20.63
26 05 33 13-1993	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial	197.85		22.69
26 05 33 13-1994	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial	263.33		28.47
26 05 33 13-1995	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial	334.96		38.77
26 05 33 13-1996		<b>Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbows, Direct Burial</b> <small>(26 05 33 13-1943)</small>			
26 05 33 13-1997	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial	135.19		15.67
26 05 33 13-1998	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial	152.28		18.15
26 05 33 13-1999	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial	171.72		20.63
26 05 33 13-2000	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial	209.32		22.69
26 05 33 13-2001	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial	301.63		28.47
26 05 33 13-2002	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial	379.92		38.77
26 05 33 13-2003	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial	483.82		43.73
26 05 33 13-2004	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial	538.94		56.92
26 05 33 13-2005		<b>Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbows, Direct Burial</b> <small>(26 05 33 13-1943)</small>			



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2006 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial.....	162.82	15.67
26 05 33 13-2007 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial.....	179.30	18.15
26 05 33 13-2008 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial.....	202.41	20.63
26 05 33 13-2009 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial.....	253.50	22.69
26 05 33 13-2010 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial.....	370.17	28.47
26 05 33 13-2011 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial.....	456.10	38.77
26 05 33 13-2012 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial.....	530.34	43.73
26 05 33 13-2013 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial.....	624.33	56.92
<b>26 05 33 13-2014 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbows, Direct Burial<sup>(26 05 33 13-1943)</sup></b>		
26 05 33 13-2015 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial.....	184.32	15.67
26 05 33 13-2016 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial.....	204.46	18.15
26 05 33 13-2017 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial.....	232.61	20.63
26 05 33 13-2018 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial.....	291.97	22.69
26 05 33 13-2019 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial.....	407.57	28.47
26 05 33 13-2020 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial.....	517.03	38.77
26 05 33 13-2021 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial.....	643.43	43.73
26 05 33 13-2022 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial.....	702.72	56.92
26 05 33 13-2023 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial.....	1,173.25	92.82
<b>26 05 33 13-2024 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbows, Direct Burial<sup>(26 05 33 13-1943)</sup></b>		
26 05 33 13-2025 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial.....	212.43	15.67
26 05 33 13-2026 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial.....	234.86	18.15
26 05 33 13-2027 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial.....	265.72	20.63
26 05 33 13-2028 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial.....	334.63	22.69
26 05 33 13-2029 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial.....	469.89	28.47
26 05 33 13-2030 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial.....	594.67	38.77
26 05 33 13-2031 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial.....	700.10	43.73
26 05 33 13-2032 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial.....	803.91	56.92
26 05 33 13-2033 EA 5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial.....	1,244.17	92.82
26 05 33 13-2034 EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial.....	1,691.18	139.44
<b>26 05 33 13-2035 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbows, Direct Burial<sup>(26 05 33 13-1943)</sup></b>		
26 05 33 13-2036 EA 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial.....	251.58	15.67
26 05 33 13-2037 EA 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial.....	261.95	18.15
26 05 33 13-2038 EA 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial.....	310.02	20.63
26 05 33 13-2039 EA 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial.....	394.01	22.69
26 05 33 13-2040 EA 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial.....	553.92	28.47
26 05 33 13-2041 EA 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial.....	699.33	38.77
26 05 33 13-2042 EA 3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial.....	857.64	43.73
26 05 33 13-2043 EA 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial.....	1,000.77	56.92

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2044	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial.....	1,475.50	92.82
26 05 33 13-2045	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial.....	1,797.36	139.44
<b>26 05 33 13-2046</b>		<b>Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbows, Direct Burial <small>(26 05 33 13-1943)</small></b>		
26 05 33 13-2047	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial.....	261.00	15.67
26 05 33 13-2048	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial.....	307.79	18.15
26 05 33 13-2049	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial.....	348.34	20.63
26 05 33 13-2050	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial.....	411.87	22.69
26 05 33 13-2051	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial.....	574.91	28.47
26 05 33 13-2052	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial.....	731.51	38.77
26 05 33 13-2053	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial.....	943.45	43.73
26 05 33 13-2054	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial.....	1,045.42	56.92
26 05 33 13-2055	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial.....	1,537.64	92.82
26 05 33 13-2056	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial.....	1,851.32	139.44
<b>26 05 33 13-2057</b>		<b>Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), UNF Conduit Unions, Direct Burial <small>(26 05 33 13-1943)</small></b>		
26 05 33 13-2058	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	83.19	10.32
26 05 33 13-2059	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	89.28	12.78
26 05 33 13-2060	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	116.74	15.67
26 05 33 13-2061	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	173.73	18.15
26 05 33 13-2062	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	207.01	20.63
26 05 33 13-2063	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	266.27	22.69
26 05 33 13-2064	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	355.99	28.47
26 05 33 13-2065	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	469.23	28.47
26 05 33 13-2066	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	598.90	43.73
26 05 33 13-2067	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	770.56	56.92
26 05 33 13-2068	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	1,413.09	92.82
26 05 33 13-2069	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	1,740.74	139.44
<b>26 05 33 13-2070</b>		<b>Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), UNY Conduit Unions, Direct Burial <small>(26 05 33 13-1943)</small></b>		
26 05 33 13-2071	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial.....	85.30	10.32
26 05 33 13-2072	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial.....	97.32	12.78
26 05 33 13-2073	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial.....	121.03	15.67
26 05 33 13-2074	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial.....	181.61	18.15
26 05 33 13-2075	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial.....	217.94	20.63
26 05 33 13-2076	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial.....	289.88	22.69
26 05 33 13-2077	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial.....	406.50	28.47
26 05 33 13-2078	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial.....	520.59	28.47
26 05 33 13-2079	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial.....	691.76	43.73
26 05 33 13-2080	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial.....	863.08	56.92
26 05 33 13-2081	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial.....	1,582.68	92.82



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2082 EA 6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial.....	2,014.58	139.44
<b>26 05 33 13-2083 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), Nipples, Direct Burial</b> <small>(26 05 33 13-1943)</small>		
26 05 33 13-2084 EA 1/2" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	27.64	4.95
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	2.97	
26 05 33 13-2085 EA 3/4" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	30.45	6.19
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	3.71	
26 05 33 13-2086 EA 1" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	34.75	7.84
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	4.70	
26 05 33 13-2087 EA 1-1/4" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	41.61	9.07
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	5.45	
26 05 33 13-2088 EA 1-1/2" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	44.86	10.32
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	6.19	
26 05 33 13-2089 EA 1/2" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	30.75	5.36
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	3.22	
26 05 33 13-2090 EA 3/4" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	32.88	6.19
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	3.71	
26 05 33 13-2091 EA 1" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	37.19	7.84
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	4.70	
26 05 33 13-2092 EA 1-1/4" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	44.21	9.07
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	5.45	
26 05 33 13-2093 EA 1-1/2" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	47.66	10.32
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	6.19	
26 05 33 13-2094 EA 2" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	51.34	11.55
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	6.93	
26 05 33 13-2095 EA 1/2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	30.92	5.36
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	3.22	
26 05 33 13-2096 EA 3/4" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	33.05	6.19
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	3.71	
26 05 33 13-2097 EA 1" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	37.51	7.84
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	4.70	
26 05 33 13-2098 EA 1-1/4" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	44.55	9.07
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	5.45	
26 05 33 13-2099 EA 1-1/2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	47.98	10.32
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	6.19	
26 05 33 13-2100 EA 2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	52.21	11.55
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	6.93	
26 05 33 13-2101 EA 1/2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	33.22	5.36
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	3.22	
26 05 33 13-2102 EA 3/4" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	35.35	6.19
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	3.71	
26 05 33 13-2103 EA 1" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	39.98	7.84
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	4.70	
26 05 33 13-2104 EA 1-1/4" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	45.95	9.07
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	5.45	
26 05 33 13-2105 EA 1-1/2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	49.54	10.32
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	6.19	
26 05 33 13-2106 EA 2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	54.92	11.55
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	6.93	
26 05 33 13-2107 EA 2-1/2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	78.56	14.03
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	8.42	
26 05 33 13-2108 EA 3" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	100.58	19.39
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	11.63	
26 05 33 13-2109 EA 1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	33.39	5.36
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	3.22	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2110	EA	3/4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	35.66	6.19
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.71	
26 05 33 13-2111	EA	1" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	40.32	7.84
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.70	
26 05 33 13-2112	EA	1-1/4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	47.36	9.07
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.45	
26 05 33 13-2113	EA	1-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	51.09	10.32
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.19	
26 05 33 13-2114	EA	2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	57.64	11.55
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.93	
26 05 33 13-2115	EA	2-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	80.96	14.03
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.42	
26 05 33 13-2116	EA	3" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	105.74	19.39
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.63	
26 05 33 13-2117	EA	3-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	127.24	21.86
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.12	
26 05 33 13-2118	EA	4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	146.29	28.47
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.08	
26 05 33 13-2119	EA	1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	33.71	5.36
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.22	
26 05 33 13-2120	EA	3/4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	36.00	6.19
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.71	
26 05 33 13-2121	EA	1" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	40.68	7.84
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.70	
26 05 33 13-2122	EA	1-1/4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	48.01	9.07
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.45	
26 05 33 13-2123	EA	1-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	51.77	10.32
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.19	
26 05 33 13-2124	EA	2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	59.12	11.55
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.93	
26 05 33 13-2125	EA	2-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	90.51	14.03
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.42	
26 05 33 13-2126	EA	3" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	113.47	19.39
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.63	
26 05 33 13-2127	EA	3-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	128.89	21.86
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.12	
26 05 33 13-2128	EA	4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	150.70	28.47
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.08	
26 05 33 13-2129	EA	5" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	224.24	39.19
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.51	
26 05 33 13-2130	EA	1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	34.31	5.36
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.22	
26 05 33 13-2131	EA	3/4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	36.61	6.19
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.71	
26 05 33 13-2132	EA	1" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	41.34	7.84
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.70	
26 05 33 13-2133	EA	1-1/4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	49.22	9.07
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.45	
26 05 33 13-2134	EA	1-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	53.22	10.32
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.19	
26 05 33 13-2135	EA	2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	60.60	11.55
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.93	
26 05 33 13-2136	EA	2-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	100.21	14.03
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.42	
26 05 33 13-2137	EA	3" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	123.75	19.39
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.63	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2138 EA 3-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct		
Burial	138.15	21.86
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.12	
26 05 33 13-2139 EA 4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct		
Burial	166.31	28.47
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.08	
26 05 33 13-2140 EA 5" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct		
Burial	247.58	39.19
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.51	
26 05 33 13-2141 EA 1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct		
Burial	35.26	5.36
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.22	
26 05 33 13-2142 EA 3/4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct		
Burial	37.53	6.19
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.71	
26 05 33 13-2143 EA 1" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct		
Burial	42.79	7.84
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.70	
26 05 33 13-2144 EA 1-1/4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct		
Burial	49.54	9.07
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.45	
26 05 33 13-2145 EA 1-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct		
Burial	56.18	10.32
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.19	
26 05 33 13-2146 EA 2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct		
Burial	67.82	11.55
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.93	
26 05 33 13-2147 EA 2-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct		
Burial	112.13	14.03
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.42	
26 05 33 13-2148 EA 3" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct		
Burial	137.81	19.39
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.63	
26 05 33 13-2149 EA 3-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct		
Burial	161.32	21.86
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.12	
26 05 33 13-2150 EA 4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct		
Burial	189.74	28.47
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.08	
26 05 33 13-2151 EA 5" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct		
Burial	263.58	39.19
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.51	
26 05 33 13-2152 EA 1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct		
Burial	36.25	5.36
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.22	
26 05 33 13-2153 EA 3/4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct		
Burial	38.50	6.19
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.71	
26 05 33 13-2154 EA 1" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct		
Burial	44.22	7.84
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.70	
26 05 33 13-2155 EA 1-1/4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct		
Burial	53.90	9.07
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.45	
26 05 33 13-2156 EA 1-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct		
Burial	63.21	10.32
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.19	
26 05 33 13-2157 EA 2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct		
Burial	78.44	11.55
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.93	
26 05 33 13-2158 EA 2-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct		
Burial	124.73	14.03
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.42	
26 05 33 13-2159 EA 3" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct		
Burial	155.81	19.39
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.63	
26 05 33 13-2160 EA 3-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct		
Burial	185.66	21.86
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.12	
26 05 33 13-2161 EA 4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct		
Burial	230.75	28.47
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.08	
26 05 33 13-2162 EA 5" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct		
Burial	295.50	39.19
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.51	
26 05 33 13-2163 EA 1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct		
Burial	37.27	5.36
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.22	
26 05 33 13-2164 EA 3/4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct		
Burial	39.64	6.19
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.71	
26 05 33 13-2165 EA 1" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct		
Burial	47.86	7.84
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.70	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2166	EA	1-1/4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	61.08	9.07
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.45	
26 05 33 13-2167	EA	1-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	71.71	10.32
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.19	
26 05 33 13-2168	EA	2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	86.97	11.55
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.93	
26 05 33 13-2169	EA	2-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	141.56	14.03
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.42	
26 05 33 13-2170	EA	3" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	182.82	19.39
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.63	
26 05 33 13-2171	EA	3-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	200.59	21.86
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.12	
26 05 33 13-2172	EA	4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	243.33	28.47
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.08	
26 05 33 13-2173	EA	5" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	300.06	39.19
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.51	
26 05 33 13-2174		<b>Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit</b> <small>(26 05 33 13-1863)</small> Note: Direct burial or encased application.		
26 05 33 13-2175		<b>Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit</b> <small>(26 05 33 13-2174)</small>		
26 05 33 13-2176	LF	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	8.55	1.07
		<i>For Work In Restricted Working Space, Add</i>	0.80	
26 05 33 13-2177	LF	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	9.51	1.15
		<i>For Work In Restricted Working Space, Add</i>	0.86	
26 05 33 13-2178	LF	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	10.10	1.23
		<i>For Work In Restricted Working Space, Add</i>	0.92	
26 05 33 13-2179	LF	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	10.69	1.31
		<i>For Work In Restricted Working Space, Add</i>	0.99	
26 05 33 13-2180	LF	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	11.49	1.39
		<i>For Work In Restricted Working Space, Add</i>	1.05	
26 05 33 13-2181	LF	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	11.92	1.48
		<i>For Work In Restricted Working Space, Add</i>	1.11	
26 05 33 13-2182	LF	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	13.74	1.56
		<i>For Work In Restricted Working Space, Add</i>	1.17	
26 05 33 13-2183	LF	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	15.92	1.64
		<i>For Work In Restricted Working Space, Add</i>	1.23	
26 05 33 13-2184	LF	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	17.60	1.72
		<i>For Work In Restricted Working Space, Add</i>	1.29	
26 05 33 13-2185	LF	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	19.28	1.80
		<i>For Work In Restricted Working Space, Add</i>	1.36	
26 05 33 13-2186	LF	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	23.16	1.89
		<i>For Work In Restricted Working Space, Add</i>	1.42	
26 05 33 13-2187	LF	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	27.99	1.97
		<i>For Work In Restricted Working Space, Add</i>	1.48	
26 05 33 13-2188		<b>Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbows, 12" Large Radius Elbows</b> <small>(26 05 33 13-2174)</small>		
26 05 33 13-2189	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	129.49	8.22
		<i>For Work In Restricted Working Space, Add</i>	6.16	
		<i>For 24" Radius, Add</i>	9.20	
		<i>For 36" Radius, Add</i>	12.95	
		<i>For 48" Radius, Add</i>	16.70	
26 05 33 13-2190	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	146.63	9.86
		<i>For Work In Restricted Working Space, Add</i>	7.40	
		<i>For 24" Radius, Add</i>	10.38	
		<i>For 36" Radius, Add</i>	14.66	
		<i>For 48" Radius, Add</i>	18.95	
26 05 33 13-2191	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	151.97	11.51
		<i>For Work In Restricted Working Space, Add</i>	8.63	
		<i>For 24" Radius, Add</i>	10.68	
		<i>For 36" Radius, Add</i>	15.20	
		<i>For 48" Radius, Add</i>	19.72	
26 05 33 13-2192	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	157.28	13.15
		<i>For Work In Restricted Working Space, Add</i>	9.86	
		<i>For 24" Radius, Add</i>	10.97	
		<i>For 36" Radius, Add</i>	15.73	
		<i>For 48" Radius, Add</i>	20.48	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2193 EA 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial .....	162.63	14.79
<i>For Work In Restricted Working Space, Add</i>	11.09	
<i>For 24" Radius, Add</i>	11.27	
<i>For 36" Radius, Add</i>	16.26	
<i>For 48" Radius, Add</i>	21.25	
26 05 33 13-2194 EA 2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial .....	184.07	16.44
<i>For Work In Restricted Working Space, Add</i>	12.32	
<i>For 24" Radius, Add</i>	12.78	
<i>For 36" Radius, Add</i>	18.41	
<i>For 48" Radius, Add</i>	24.04	
26 05 33 13-2195 EA 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial .....	216.33	18.08
<i>For Work In Restricted Working Space, Add</i>	13.56	
<i>For 24" Radius, Add</i>	15.10	
<i>For 36" Radius, Add</i>	21.63	
<i>For 48" Radius, Add</i>	28.17	
26 05 33 13-2196 EA 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial .....	254.67	19.72
<i>For Work In Restricted Working Space, Add</i>	14.79	
<i>For 24" Radius, Add</i>	17.87	
<i>For 36" Radius, Add</i>	25.47	
<i>For 48" Radius, Add</i>	33.07	
26 05 33 13-2197 EA 3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial .....	288.56	23.01
<i>For Work In Restricted Working Space, Add</i>	17.26	
<i>For 24" Radius, Add</i>	20.20	
<i>For 36" Radius, Add</i>	28.86	
<i>For 48" Radius, Add</i>	37.51	
26 05 33 13-2198 EA 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial .....	322.44	29.57
<i>For Work In Restricted Working Space, Add</i>	19.72	
<i>For 24" Radius, Add</i>	22.54	
<i>For 36" Radius, Add</i>	32.24	
<i>For 48" Radius, Add</i>	41.95	
26 05 33 13-2199 EA 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial .....	394.84	29.57
<i>For Work In Restricted Working Space, Add</i>	22.19	
<i>For 24" Radius, Add</i>	27.76	
<i>For 36" Radius, Add</i>	39.48	
<i>For 48" Radius, Add</i>	51.20	
26 05 33 13-2200 EA 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial .....	483.27	32.86
<i>For Work In Restricted Working Space, Add</i>	24.65	
<i>For 24" Radius, Add</i>	34.19	
<i>For 36" Radius, Add</i>	48.33	
<i>For 48" Radius, Add</i>	62.46	
<b>26 05 33 13-2201 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Couplings</b> <small>(26 05 33 13-2174)</small>		
26 05 33 13-2202 EA 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	56.62	4.60
<i>For Work In Restricted Working Space, Add</i>	3.45	
26 05 33 13-2203 EA 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	63.42	5.26
<i>For Work In Restricted Working Space, Add</i>	3.95	
26 05 33 13-2204 EA 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	65.58	5.91
<i>For Work In Restricted Working Space, Add</i>	4.44	
26 05 33 13-2205 EA 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial .....	67.65	6.57
<i>For Work In Restricted Working Space, Add</i>	4.93	
26 05 33 13-2206 EA 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial .....	70.32	7.23
<i>For Work In Restricted Working Space, Add</i>	5.42	
26 05 33 13-2207 EA 2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	81.93	7.89
<i>For Work In Restricted Working Space, Add</i>	5.92	
26 05 33 13-2208 EA 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial .....	97.06	8.87
<i>For Work In Restricted Working Space, Add</i>	6.66	
26 05 33 13-2209 EA 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	114.50	9.86
<i>For Work In Restricted Working Space, Add</i>	7.40	
26 05 33 13-2210 EA 3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial .....	129.83	11.51
<i>For Work In Restricted Working Space, Add</i>	8.63	
26 05 33 13-2211 EA 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	145.17	13.15
<i>For Work In Restricted Working Space, Add</i>	9.86	
26 05 33 13-2212 EA 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	177.35	14.79
<i>For Work In Restricted Working Space, Add</i>	11.09	
26 05 33 13-2213 EA 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	216.50	16.44
<i>For Work In Restricted Working Space, Add</i>	12.32	
<b>26 05 33 13-2214 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Couplings</b> <small>(26 05 33 13-2174)</small>		
26 05 33 13-2215 EA 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial .....	36.96	4.60
<i>For Work In Restricted Working Space, Add</i>	3.45	
26 05 33 13-2216 EA 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial .....	41.43	5.26
<i>For Work In Restricted Working Space, Add</i>	3.95	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2217 EA 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial.....	43.37	5.91
<i>For Work In Restricted Working Space, Add</i>	4.44	
26 05 33 13-2218 EA 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial.....	45.32	6.57
<i>For Work In Restricted Working Space, Add</i>	4.93	
26 05 33 13-2219 EA 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial.....	47.26	7.23
<i>For Work In Restricted Working Space, Add</i>	5.42	
26 05 33 13-2220 EA 2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial.....	49.07	7.89
<i>For Work In Restricted Working Space, Add</i>	5.92	
26 05 33 13-2221 EA 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial.....	57.40	8.87
<i>For Work In Restricted Working Space, Add</i>	6.66	
26 05 33 13-2222 EA 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial.....	66.92	9.86
<i>For Work In Restricted Working Space, Add</i>	7.40	
26 05 33 13-2223 EA 3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial.....	76.31	11.51
<i>For Work In Restricted Working Space, Add</i>	8.63	
26 05 33 13-2224 EA 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial.....	85.70	13.15
<i>For Work In Restricted Working Space, Add</i>	9.86	
26 05 33 13-2225 EA 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial.....	103.07	14.79
<i>For Work In Restricted Working Space, Add</i>	11.09	
26 05 33 13-2226 EA 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial.....	123.65	16.44
<i>For Work In Restricted Working Space, Add</i>	12.32	
<b>26 05 33 13-2227 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Couplings</b> <small>(26 05 33 13-2174)</small>		
26 05 33 13-2228 EA 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial.....	38.21	2.63
<i>For Work In Restricted Working Space, Add</i>	1.97	
26 05 33 13-2229 EA 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial.....	42.57	2.96
<i>For Work In Restricted Working Space, Add</i>	2.22	
26 05 33 13-2230 EA 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial.....	43.77	3.29
<i>For Work In Restricted Working Space, Add</i>	2.47	
26 05 33 13-2231 EA 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial.....	44.81	3.62
<i>For Work In Restricted Working Space, Add</i>	2.71	
26 05 33 13-2232 EA 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial.....	46.44	3.95
<i>For Work In Restricted Working Space, Add</i>	2.96	
26 05 33 13-2233 EA 2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial.....	55.07	4.60
<i>For Work In Restricted Working Space, Add</i>	3.45	
26 05 33 13-2234 EA 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial.....	66.21	5.58
<i>For Work In Restricted Working Space, Add</i>	4.19	
26 05 33 13-2235 EA 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial.....	79.12	6.57
<i>For Work In Restricted Working Space, Add</i>	4.93	
26 05 33 13-2236 EA 3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial.....	91.05	8.22
<i>For Work In Restricted Working Space, Add</i>	6.16	
26 05 33 13-2237 EA 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial.....	102.99	9.86
<i>For Work In Restricted Working Space, Add</i>	7.40	
26 05 33 13-2238 EA 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial.....	126.64	11.51
<i>For Work In Restricted Working Space, Add</i>	8.63	
26 05 33 13-2239 EA 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial.....	155.27	13.15
<i>For Work In Restricted Working Space, Add</i>	9.86	
<b>26 05 33 13-2240 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joints</b> <small>(26 05 33 13-2174)</small>		
26 05 33 13-2241 EA 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial.....	75.95	16.44
<i>For Work In Restricted Working Space, Add</i>	12.32	
26 05 33 13-2242 EA 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial.....	87.98	19.72
<i>For Work In Restricted Working Space, Add</i>	14.79	
26 05 33 13-2243 EA 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial.....	96.63	23.01
<i>For Work In Restricted Working Space, Add</i>	17.26	
26 05 33 13-2244 EA 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial.....	105.09	26.30
<i>For Work In Restricted Working Space, Add</i>	19.72	
26 05 33 13-2245 EA 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial.....	110.10	27.93
<i>For Work In Restricted Working Space, Add</i>	20.95	
26 05 33 13-2246 EA 2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial.....	121.87	29.57
<i>For Work In Restricted Working Space, Add</i>	22.19	
26 05 33 13-2247 EA 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial.....	135.57	31.22
<i>For Work In Restricted Working Space, Add</i>	23.42	
26 05 33 13-2248 EA 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial.....	151.17	32.86
<i>For Work In Restricted Working Space, Add</i>	24.65	
26 05 33 13-2249 EA 3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial.....	163.90	34.51
<i>For Work In Restricted Working Space, Add</i>	25.88	
26 05 33 13-2250 EA 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial.....	176.64	36.15
<i>For Work In Restricted Working Space, Add</i>	27.11	
26 05 33 13-2251 EA 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial.....	202.31	37.79
<i>For Work In Restricted Working Space, Add</i>	28.35	
26 05 33 13-2252 EA 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial.....	233.38	39.44
<i>For Work In Restricted Working Space, Add</i>	29.58	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2253				<b>Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joints</b> <small>(26 05 33 13-2174)</small>		
26 05 33 13-2254	EA			1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial ..... 90.11	90.11	16.44
				<i>For Work In Restricted Working Space, Add</i> ..... 12.32	12.32	
26 05 33 13-2255	EA			3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial ..... 103.85	103.85	19.72
				<i>For Work In Restricted Working Space, Add</i> ..... 14.79	14.79	
26 05 33 13-2256	EA			1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial ..... 112.59	112.59	23.01
				<i>For Work In Restricted Working Space, Add</i> ..... 17.26	17.26	
26 05 33 13-2257	EA			1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial ..... 121.22	121.22	26.30
				<i>For Work In Restricted Working Space, Add</i> ..... 19.72	19.72	
26 05 33 13-2258	EA			1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial ..... 126.36	126.36	27.93
				<i>For Work In Restricted Working Space, Add</i> ..... 20.95	20.95	
26 05 33 13-2259	EA			2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial ..... 140.44	140.44	29.57
				<i>For Work In Restricted Working Space, Add</i> ..... 22.19	22.19	
26 05 33 13-2260	EA			2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial ..... 157.85	157.85	31.22
				<i>For Work In Restricted Working Space, Add</i> ..... 23.42	23.42	
26 05 33 13-2261	EA			3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial ..... 177.91	177.91	32.86
				<i>For Work In Restricted Working Space, Add</i> ..... 24.65	24.65	
26 05 33 13-2262	EA			3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial ..... 194.00	194.00	34.51
				<i>For Work In Restricted Working Space, Add</i> ..... 25.88	25.88	
26 05 33 13-2263	EA			4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial ..... 210.09	210.09	36.15
				<i>For Work In Restricted Working Space, Add</i> ..... 27.11	27.11	
26 05 33 13-2264	EA			5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial ..... 244.24	244.24	37.79
				<i>For Work In Restricted Working Space, Add</i> ..... 28.35	28.35	
26 05 33 13-2265	EA			6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial ..... 285.79	285.79	39.44
				<i>For Work In Restricted Working Space, Add</i> ..... 29.58	29.58	
26 05 33 13-2266				<b>Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapters</b> <small>(26 05 33 13-2174)</small>		
26 05 33 13-2267	EA			1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial ..... 128.09	128.09	4.60
				<i>For Work In Restricted Working Space, Add</i> ..... 3.45	3.45	
26 05 33 13-2268	EA			3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial ..... 142.66	142.66	5.26
				<i>For Work In Restricted Working Space, Add</i> ..... 3.95	3.95	
26 05 33 13-2269	EA			1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial ..... 148.28	148.28	5.91
				<i>For Work In Restricted Working Space, Add</i> ..... 4.44	4.44	
26 05 33 13-2270	EA			1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial ..... 154.08	154.08	6.57
				<i>For Work In Restricted Working Space, Add</i> ..... 4.93	4.93	
26 05 33 13-2271	EA			1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial ..... 157.86	157.86	7.23
				<i>For Work In Restricted Working Space, Add</i> ..... 5.42	5.42	
26 05 33 13-2272	EA			2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial ..... 172.80	172.80	7.89
				<i>For Work In Restricted Working Space, Add</i> ..... 5.92	5.92	
26 05 33 13-2273	EA			2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial ..... 205.91	205.91	8.87
				<i>For Work In Restricted Working Space, Add</i> ..... 6.66	6.66	
26 05 33 13-2274	EA			3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial ..... 244.99	244.99	9.86
				<i>For Work In Restricted Working Space, Add</i> ..... 7.40	7.40	
26 05 33 13-2275	EA			3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial ..... 276.65	276.65	11.51
				<i>For Work In Restricted Working Space, Add</i> ..... 8.63	8.63	
26 05 33 13-2276	EA			4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial ..... 308.31	308.31	13.15
				<i>For Work In Restricted Working Space, Add</i> ..... 9.86	9.86	
26 05 33 13-2277	EA			5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial ..... 381.39	381.39	14.79
				<i>For Work In Restricted Working Space, Add</i> ..... 11.09	11.09	
26 05 33 13-2278	EA			6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial ..... 468.93	468.93	16.44
				<i>For Work In Restricted Working Space, Add</i> ..... 12.32	12.32	
26 05 33 13-2279				<b>Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joints</b> <small>(26 05 33 13-2174)</small>		
26 05 33 13-2280	EA			1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial ..... 114.73	114.73	16.44
				<i>For Work In Restricted Working Space, Add</i> ..... 12.32	12.32	
26 05 33 13-2281	EA			3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial ..... 131.15	131.15	19.72
				<i>For Work In Restricted Working Space, Add</i> ..... 14.79	14.79	
26 05 33 13-2282	EA			1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial ..... 158.63	158.63	23.01
				<i>For Work In Restricted Working Space, Add</i> ..... 17.26	17.26	
26 05 33 13-2283	EA			1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial ..... 202.05	202.05	26.30
				<i>For Work In Restricted Working Space, Add</i> ..... 19.72	19.72	
26 05 33 13-2284	EA			1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial ..... 256.72	256.72	27.93
				<i>For Work In Restricted Working Space, Add</i> ..... 20.95	20.95	
26 05 33 13-2285	EA			2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial ..... 350.91	350.91	29.57
				<i>For Work In Restricted Working Space, Add</i> ..... 22.19	22.19	
26 05 33 13-2286	EA			2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial ..... 513.88	513.88	31.22
				<i>For Work In Restricted Working Space, Add</i> ..... 23.42	23.42	
26 05 33 13-2287	EA			3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial ..... 622.57	622.57	32.86
				<i>For Work In Restricted Working Space, Add</i> ..... 24.65	24.65	

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2288 EA 3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial .....	750.89	34.51
<i>For Work In Restricted Working Space, Add</i> .....	25.88	
26 05 33 13-2289 EA 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial .....	879.21	36.15
<i>For Work In Restricted Working Space, Add</i> .....	27.11	
26 05 33 13-2290 EA 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial .....	1,031.49	37.79
<i>For Work In Restricted Working Space, Add</i> .....	28.35	
26 05 33 13-2291 EA 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial .....	1,689.33	39.44
<i>For Work In Restricted Working Space, Add</i> .....	29.58	
<b>26 05 33 13-2292 Spacers</b> <small>(26 05 33 13-1863)</small>		
Note: For concrete encasement applications. See CSI section 03 30 53 00-0001 for concrete., 26 05 33 13-1863 for conduit.		
26 05 33 13-2293 EA 1" Base Spacers, Average 4" Wide, Direct Burial .....	9.11	
26 05 33 13-2294 EA 1" Intermediate Spacers, Average 4" Wide, Direct Burial .....	9.73	
26 05 33 13-2295 EA 1-1/4" Base Spacer, Average 4" Wide, Direct Burial .....	10.79	
26 05 33 13-2296 EA 1-1/4" Intermediate Spacers, Average 4" Wide, Direct Burial .....	11.55	
26 05 33 13-2297 EA 1-1/2" Base Spacer, Average 4" Wide, Direct Burial .....	10.92	
26 05 33 13-2298 EA 1-1/2" Intermediate Spacers, Average 4" Wide, Direct Burial .....	11.64	
26 05 33 13-2299 EA 2" Base Spacer, Average 4" Wide, Direct Burial .....	13.44	
26 05 33 13-2300 EA 2" Intermediate Spacers, Average 4" Wide, Direct Burial .....	12.47	
26 05 33 13-2301 EA 2-1/2" Base Spacer, Average 4" Wide, Direct Burial .....	14.82	
26 05 33 13-2302 EA 2-1/2" Intermediate Spacers, Average 4" Wide, Direct Burial .....	14.34	
26 05 33 13-2303 EA 3" Base Spacer, Average 4" Wide, Direct Burial .....	16.89	
26 05 33 13-2304 EA 3" Intermediate Spacers, Average 4" Wide, Direct Burial .....	16.19	
26 05 33 13-2305 EA 3-1/2" Base Spacer, Average 4" Wide, Direct Burial .....	18.31	
26 05 33 13-2306 EA 3-1/2" Intermediate Spacers, Average 4" Wide, Direct Burial .....	17.54	
26 05 33 13-2307 EA 4" Base Spacer, Average 4" Wide, Direct Burial .....	18.89	
26 05 33 13-2308 EA 4" Intermediate Spacers, Average 4" Wide, Direct Burial .....	18.03	
26 05 33 13-2309 EA 5" Base Spacer, Average 4" Wide, Direct Burial .....	20.91	
26 05 33 13-2310 EA 5" Intermediate Spacers, Average 4" Wide, Direct Burial .....	19.88	
26 05 33 13-2311 EA 6" Base Spacer, Average 4" Wide, Direct Burial .....	23.93	
26 05 33 13-2312 EA 6" Intermediate Spacers, Average 4" Wide, Direct Burial .....	23.05	
<b>26 05 33 13-2313 Conduit Field Bending</b> <small>(26 05 33 13-0058)</small>		
<b>26 05 33 13-2314 Metallic Conduit Field Bending</b> <small>(26 05 33 13-2313)</small>		
Note: For use with Rigid Galvanized Steel (RGS), Electrical Metallic Tubing (EMT), Intermediate Metal Conduit (IMC) and aluminum conduits.		
26 05 33 13-2315 EA 1-1/4" Metallic Conduit Field Bending .....	14.06	
26 05 33 13-2316 EA 1-1/2" Metallic Conduit Field Bending .....	18.75	
26 05 33 13-2317 EA 2" Metallic Conduit Field Bending .....	23.44	
26 05 33 13-2318 EA 2-1/2" Metallic Conduit Field Bending .....	32.81	
26 05 33 13-2319 EA 3" Metallic Conduit Field Bending .....	42.20	
26 05 33 13-2320 EA 3-1/2" Metallic Conduit Field Bending .....	51.57	
26 05 33 13-2321 EA 4" Metallic Conduit Field Bending .....	60.95	
26 05 33 13-2322 EA 5" Metallic Conduit Field Bending .....	75.01	
26 05 33 13-2323 EA 6" Metallic Conduit Field Bending .....	89.07	
<b>26 05 33 13-2324 Plastic Conduit Field Bending</b> <small>(26 05 33 13-2313)</small>		
Note: For PVC conduits.		
26 05 33 13-2325 EA 1" Plastic Conduit Field Bending .....	21.56	
26 05 33 13-2326 EA 1-1/4" Plastic Conduit Field Bending .....	23.44	
26 05 33 13-2327 EA 1-1/2" Plastic Conduit Field Bending .....	28.12	
26 05 33 13-2328 EA 2" Plastic Conduit Field Bending .....	37.50	
26 05 33 13-2329 EA 2-1/2" Plastic Conduit Field Bending .....	46.88	
26 05 33 13-2330 EA 3" Plastic Conduit Field Bending .....	56.26	
26 05 33 13-2331 EA 3-1/2" Plastic Conduit Field Bending .....	65.63	
26 05 33 13-2332 EA 4" Plastic Conduit Field Bending .....	75.01	
26 05 33 13-2333 EA 5" Plastic Conduit Field Bending .....	84.38	
26 05 33 13-2334 EA 6" Plastic Conduit Field Bending .....	93.76	
<b>26 05 33 13-2335 Cut And Thread Existing In-Place Threaded Conduit</b> <small>(26 05 33 13-0058)</small>		
Note: For use when connecting conduit to an existing in-place system.		
26 05 33 13-2336 EA 1/2", Cut And Thread Existing In-Place Threaded Conduit .....	27.16	
<i>For Work In Restricted Working Space, Add</i> .....	8.15	
26 05 33 13-2337 EA 3/4", Cut And Thread Existing In-Place Threaded Conduit .....	29.87	
<i>For Work In Restricted Working Space, Add</i> .....	8.96	
26 05 33 13-2338 EA 1", Cut And Thread Existing In-Place Threaded Conduit .....	32.59	
<i>For Work In Restricted Working Space, Add</i> .....	9.78	
26 05 33 13-2339 EA 1-1/4", Cut And Thread Existing In-Place Threaded Conduit .....	35.30	
<i>For Work In Restricted Working Space, Add</i> .....	10.59	
26 05 33 13-2340 EA 1-1/2", Cut And Thread Existing In-Place Threaded Conduit .....	37.11	
<i>For Work In Restricted Working Space, Add</i> .....	11.13	
26 05 33 13-2341 EA 2", Cut And Thread Existing In-Place Threaded Conduit .....	38.92	
<i>For Work In Restricted Working Space, Add</i> .....	11.68	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2342 EA 2-1/2", Cut And Thread Existing In-Place Threaded Conduit.....	40.74	
<i>For Work In Restricted Working Space, Add</i>	12.22	
26 05 33 13-2343 EA 3", Cut And Thread Existing In-Place Threaded Conduit.....	42.55	
<i>For Work In Restricted Working Space, Add</i>	12.77	
26 05 33 13-2344 EA 3-1/2", Cut And Thread Existing In-Place Threaded Conduit.....	43.45	
<i>For Work In Restricted Working Space, Add</i>	13.04	
26 05 33 13-2345 EA 4", Cut And Thread Existing In-Place Threaded Conduit.....	44.36	
<i>For Work In Restricted Working Space, Add</i>	13.31	
26 05 33 13-2346 EA 5", Cut And Thread Existing In-Place Threaded Conduit.....	46.17	
<i>For Work In Restricted Working Space, Add</i>	13.85	
26 05 33 13-2347 EA 6", Cut And Thread Existing In-Place Threaded Conduit.....	47.98	
<i>For Work In Restricted Working Space, Add</i>	14.39	
26 05 33 13-2348 Flexible Conduit (26 05 33 13-0058)		
26 05 33 13-2349 Flexible Liquid Tight Metallic Conduit And Connectors (26 05 33 13-2348)		
Note: Steel inner core with PVC cover.		
26 05 33 13-2350 Flexible Liquid Tight Metallic Conduit (26 05 33 13-2349)		
26 05 33 13-2351 LF 3/8" Flexible Liquid Tight Metallic Conduit.....	3.82	0.99
<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.37	
<i>For Work In Restricted Working Space, Add</i>	0.74	
26 05 33 13-2352 LF 1/2" Flexible Liquid Tight Metallic Conduit.....	4.02	0.99
<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.37	
<i>For Work In Restricted Working Space, Add</i>	0.74	
26 05 33 13-2353 LF 3/4" Flexible Liquid Tight Metallic Conduit.....	5.39	1.32
<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.50	
<i>For Work In Restricted Working Space, Add</i>	0.99	
26 05 33 13-2354 LF 1" Flexible Liquid Tight Metallic Conduit.....	6.45	1.32
<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.50	
<i>For Work In Restricted Working Space, Add</i>	0.99	
26 05 33 13-2355 LF 1-1/4" Flexible Liquid Tight Metallic Conduit.....	8.42	1.65
<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.62	
<i>For Work In Restricted Working Space, Add</i>	1.24	
26 05 33 13-2356 LF 1-1/2" Flexible Liquid Tight Metallic Conduit.....	10.98	1.98
<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.74	
<i>For Work In Restricted Working Space, Add</i>	1.49	
26 05 33 13-2357 LF 2" Flexible Liquid Tight Metallic Conduit.....	14.41	2.64
<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.99	
<i>For Work In Restricted Working Space, Add</i>	1.98	
26 05 33 13-2358 LF 2-1/2" Flexible Liquid Tight Metallic Conduit.....	20.32	2.97
<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	1.11	
<i>For Work In Restricted Working Space, Add</i>	2.23	
26 05 33 13-2359 LF 3" Flexible Liquid Tight Metallic Conduit.....	30.75	3.63
<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	1.36	
<i>For Work In Restricted Working Space, Add</i>	2.72	
26 05 33 13-2360 LF 4" Flexible Liquid Tight Metallic Conduit.....	42.50	4.62
<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	1.73	
<i>For Work In Restricted Working Space, Add</i>	3.47	
26 05 33 13-2361 Straight Liquid Tight Connector (26 05 33 13-2349)		
26 05 33 13-2362 EA 3/8" Straight Liquid Tight Connector.....	10.42	2.64
<i>For Work In Restricted Working Space, Add</i>	1.98	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.98	
26 05 33 13-2363 EA 1/2" Straight Liquid Tight Connector.....	10.42	2.64
<i>For Work In Restricted Working Space, Add</i>	1.98	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.98	
26 05 33 13-2364 EA 3/4" Straight Liquid Tight Connector.....	12.91	2.97
<i>For Work In Restricted Working Space, Add</i>	2.23	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.23	
26 05 33 13-2365 EA 1" Straight Liquid Tight Connector.....	18.03	3.30
<i>For Work In Restricted Working Space, Add</i>	2.48	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.48	
26 05 33 13-2366 EA 1-1/4" Straight Liquid Tight Connector.....	23.85	3.63
<i>For Work In Restricted Working Space, Add</i>	2.72	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.72	
26 05 33 13-2367 EA 1-1/2" Straight Liquid Tight Connector.....	30.99	3.96
<i>For Work In Restricted Working Space, Add</i>	2.97	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.97	
26 05 33 13-2368 EA 2" Straight Liquid Tight Connector.....	43.68	4.62
<i>For Work In Restricted Working Space, Add</i>	3.47	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.47	
26 05 33 13-2369 EA 2-1/2" Straight Liquid Tight Connector.....	160.72	5.94
<i>For Work In Restricted Working Space, Add</i>	4.46	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.46	
26 05 33 13-2370 EA 3" Straight Liquid Tight Connector.....	208.85	6.27
<i>For Work In Restricted Working Space, Add</i>	4.70	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.70	
26 05 33 13-2371 EA 4" Straight Liquid Tight Connector.....	253.81	9.24
<i>For Work In Restricted Working Space, Add</i>	6.93	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.93	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>26 05 33 13-2372 90 Degree Angle Liquid Tight Connector</b> <small>(26 05 33 13-2349)</small>		
26 05 33 13-2373 EA 3/8" 90 Degree Angle Liquid Tight Connector.....	15.46	3.63
For Work In Restricted Working Space, Add	2.72	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.72	
26 05 33 13-2374 EA 1/2" 90 Degree Angle Liquid Tight Connector.....	16.28	3.63
For Work In Restricted Working Space, Add	2.72	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.72	
26 05 33 13-2375 EA 3/4" 90 Degree Angle Liquid Tight Connector.....	18.57	3.96
For Work In Restricted Working Space, Add	2.97	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.97	
26 05 33 13-2376 EA 1" 90 Degree Angle Liquid Tight Connector.....	27.32	4.62
For Work In Restricted Working Space, Add	3.47	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.47	
26 05 33 13-2377 EA 1-1/4" 90 Degree Angle Liquid Tight Connector.....	35.43	4.95
For Work In Restricted Working Space, Add	3.71	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.71	
26 05 33 13-2378 EA 1-1/2" 90 Degree Angle Liquid Tight Connector.....	43.83	5.28
For Work In Restricted Working Space, Add	3.96	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.96	
26 05 33 13-2379 EA 2" 90 Degree Angle Liquid Tight Connector.....	59.20	5.94
For Work In Restricted Working Space, Add	4.46	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.46	
26 05 33 13-2380 EA 2-1/2" 90 Degree Angle Liquid Tight Connector.....	226.90	6.27
For Work In Restricted Working Space, Add	4.70	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.70	
26 05 33 13-2381 EA 3" 90 Degree Angle Liquid Tight Connector.....	268.29	7.26
For Work In Restricted Working Space, Add	5.45	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.45	
26 05 33 13-2382 EA 4" 90 Degree Angle Liquid Tight Connector.....	369.38	11.55
For Work In Restricted Working Space, Add	8.66	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.66	
<b>26 05 33 13-2383 45 Degree Angle Connector</b> <small>(26 05 33 13-2349)</small>		
26 05 33 13-2384 EA 3/8" 45 Degree Angle Liquid Tight Connector.....	15.18	3.63
For Work In Restricted Working Space, Add	2.72	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.72	
26 05 33 13-2385 EA 1/2" 45 Degree Angle Liquid Tight Connector.....	15.38	3.63
For Work In Restricted Working Space, Add	2.72	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.72	
26 05 33 13-2386 EA 3/4" 45 Degree Angle Liquid Tight Connector.....	18.57	3.96
For Work In Restricted Working Space, Add	2.97	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.97	
26 05 33 13-2387 EA 1" 45 Degree Angle Liquid Tight Connector.....	29.57	4.62
For Work In Restricted Working Space, Add	3.47	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.47	
26 05 33 13-2388 EA 1-1/4" 45 Degree Angle Liquid Tight Connector.....	33.97	4.95
For Work In Restricted Working Space, Add	3.71	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.71	
26 05 33 13-2389 EA 1-1/2" 45 Degree Angle Liquid Tight Connector.....	38.39	5.28
For Work In Restricted Working Space, Add	3.96	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.96	
<b>26 05 33 13-2390 Flexible Metallic Conduit And Connectors</b> <small>(26 05 33 13-2348)</small>		
<b>26 05 33 13-2391 Flexible Steel Conduit</b> <small>(26 05 33 13-2390)</small>		
26 05 33 13-2392 LF 3/8" Flexible Metallic Conduit.....	3.42	1.08
For Flexible Aluminum Conduit, Add	0.13	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.40	
For Installation In Metal Stud Wall, Add	0.27	
For Installation In Wood Stud Wall (Includes Drilling), Add	0.66	
For Work In Restricted Working Space, Add	0.80	
26 05 33 13-2393 LF 1/2" Flexible Metallic Conduit.....	3.56	1.08
For Flexible Aluminum Conduit, Add	0.14	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.41	
For Installation In Metal Stud Wall, Add	0.27	
For Installation In Wood Stud Wall (Includes Drilling), Add	0.68	
For Work In Restricted Working Space, Add	0.81	
26 05 33 13-2394 LF 3/4" Flexible Metallic Conduit.....	4.10	1.44
For Flexible Aluminum Conduit, Add	0.19	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.44	
For Installation In Metal Stud Wall, Add	0.29	
For Installation In Wood Stud Wall (Includes Drilling), Add	0.74	
For Work In Restricted Working Space, Add	0.88	
26 05 33 13-2395 LF 1" Flexible Metallic Conduit.....	5.32	1.44
For Flexible Aluminum Conduit, Add	0.36	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.47	
For Installation In Metal Stud Wall, Add	0.32	
For Installation In Wood Stud Wall (Includes Drilling), Add	0.79	
For Work In Restricted Working Space, Add	0.95	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2396 LF 1-1/4" Flexible Metallic Conduit .....	6.15	1.81
For Flexible Aluminum Conduit, Add	0.46	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.50	
For Installation In Metal Stud Wall, Add	0.33	
For Installation In Wood Stud Wall (Includes Drilling), Add	0.84	
For Work In Restricted Working Space, Add	1.00	
26 05 33 13-2397 LF 1-1/2" Flexible Metallic Conduit .....	8.41	2.17
For Flexible Aluminum Conduit, Add	0.81	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.52	
For Installation In Metal Stud Wall, Add	0.35	
For Installation In Wood Stud Wall (Includes Drilling), Add	0.87	
For Work In Restricted Working Space, Add	1.04	
26 05 33 13-2398 LF 2" Flexible Metallic Conduit.....	9.65	2.89
For Flexible Aluminum Conduit, Add	1.00	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.54	
For Installation In Metal Stud Wall, Add	0.36	
For Installation In Wood Stud Wall (Includes Drilling), Add	0.90	
For Work In Restricted Working Space, Add	1.08	
26 05 33 13-2399 LF 2-1/2" Flexible Steel Conduit .....	11.82	3.25
For Flexible Aluminum Conduit, Add	1.21	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.68	
For Installation In Metal Stud Wall, Add	0.45	
For Installation In Wood Stud Wall (Includes Drilling), Add	1.13	
For Work In Restricted Working Space, Add	1.35	
26 05 33 13-2400 LF 3" Flexible Metallic Conduit.....	18.13	3.97
For Flexible Aluminum Conduit, Add	2.10	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.81	
For Installation In Metal Stud Wall, Add	0.54	
For Installation In Wood Stud Wall (Includes Drilling), Add	1.36	
For Work In Restricted Working Space, Add	1.63	
26 05 33 13-2401 LF 3-1/2" Flexible Metallic Conduit .....	22.34	4.33
For Flexible Aluminum Conduit, Add	2.64	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	0.95	
For Installation In Metal Stud Wall, Add	0.63	
For Installation In Wood Stud Wall (Includes Drilling), Add	1.58	
For Work In Restricted Working Space, Add	1.90	
26 05 33 13-2402 LF 4" Flexible Metallic Conduit.....	25.70	5.06
For Flexible Aluminum Conduit, Add	3.05	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.08	
For Installation In Metal Stud Wall, Add	0.72	
For Installation In Wood Stud Wall (Includes Drilling), Add	1.81	
For Work In Restricted Working Space, Add	2.17	
<b>26 05 33 13-2403 Plain Squeeze Type Straight Connector</b> <small>(26 05 33 13-2390)</small>		
26 05 33 13-2404 EA 3/8" Flexible Straight Connectors, Plain.....	6.01	2.89
For Work In Restricted Working Space, Add	1.22	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.22	
26 05 33 13-2405 EA 1/2" Flexible Straight Connectors, Plain.....	7.60	3.25
For Work In Restricted Working Space, Add	1.35	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.35	
26 05 33 13-2406 EA 3/4" Flexible Straight Connectors, Plain.....	8.68	3.97
For Work In Restricted Working Space, Add	1.63	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.63	
26 05 33 13-2407 EA 1" Flexible Straight Connectors, Plain.....	14.37	4.33
For Work In Restricted Working Space, Add	2.17	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.17	
26 05 33 13-2408 EA 1-1/4" Flexible Straight Connectors, Plain .....	20.75	5.06
For Work In Restricted Working Space, Add	2.71	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2.71	
26 05 33 13-2409 EA 1-1/2" Flexible Straight Connectors, Plain .....	27.56	6.14
For Work In Restricted Working Space, Add	3.39	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3.39	
26 05 33 13-2410 EA 2" Flexible Straight Connectors, Plain.....	36.68	6.14
For Work In Restricted Working Space, Add	4.07	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.07	
26 05 33 13-2411 EA 2-1/2" Flexible Straight Connectors, Plain .....	61.25	7.58
For Work In Restricted Working Space, Add	4.74	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.74	
26 05 33 13-2412 EA 3" Flexible Straight Connectors, Plain.....	81.06	8.31
For Work In Restricted Working Space, Add	5.42	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.42	
26 05 33 13-2413 EA 3-1/2" Flexible Straight Connectors, Plain .....	263.97	9.76
For Work In Restricted Working Space, Add	6.10	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.10	
26 05 33 13-2414 EA 4" Flexible Straight Connectors, Plain.....	330.82	11.93
For Work In Restricted Working Space, Add	6.77	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.77	
<b>26 05 33 13-2415 Insulated Throat Squeeze Type Straight Connector</b> <small>(26 05 33 13-2390)</small>		
26 05 33 13-2416 EA 1/2" Flexible Straight Connectors, Insulated.....	8.67	3.25
For Work In Restricted Working Space, Add	1.35	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1.35	

**26 Electrical**

**26 05 Common Work Results for Electrical**

**26 05 33 Raceway and Boxes for Electrical Systems**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-2417	EA	3/4" Flexible Straight Connectors, Insulated <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.08 1.63 1.63	3.97
26 05 33	13-2418	EA	1" Flexible Straight Connectors, Insulated <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.28 2.17 2.17	4.33
26 05 33	13-2419	EA	1-1/4" Flexible Straight Connectors, Insulated <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.25 2.71 2.71	5.06
26 05 33	13-2420	EA	1-1/2" Flexible Straight Connectors, Insulated <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	33.77 3.39 3.39	5.42
26 05 33	13-2421	EA	2" Flexible Straight Connectors, Insulated <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	47.66 4.07 4.07	6.14
26 05 33	13-2422	EA	2-1/2" Flexible Straight Connectors, Insulated <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	84.75 4.74 4.74	7.58
26 05 33	13-2423	EA	3" Flexible Straight Connectors, Insulated <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	108.76 5.42 5.42	8.31
26 05 33	13-2424	EA	3-1/2" Flexible Straight Connectors, Insulated <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	306.66 6.10 6.10	9.76
26 05 33	13-2425	EA	4" Flexible Straight Connectors, Insulated <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	395.01 6.77 6.77	11.93
<b>26 05 33 13-2426 Plain Squeeze Type 90 Degree Connector</b> <small>(26 05 33 13-2390)</small>					
26 05 33	13-2427	EA	3/8" Flexible 90 Degree Connector, Plain <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.54 1.63 1.63	3.61
26 05 33	13-2428	EA	1/2" Flexible 90 Degree Connector, Plain <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.55 1.90 1.90	3.97
26 05 33	13-2429	EA	3/4" Flexible 90 Degree Connector, Plain <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.40 2.17 2.17	4.33
26 05 33	13-2430	EA	1" Flexible 90 Degree Connector, Plain <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.95 2.71 2.71	5.06
26 05 33	13-2431	EA	1-1/4" Flexible 90 Degree Connector, Plain <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	35.36 3.25 3.25	5.42
26 05 33	13-2432	EA	1-1/2" Flexible 90 Degree Connector, Plain <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	56.40 4.07 4.07	6.32
26 05 33	13-2433	EA	2" Flexible 90 Degree Connector, Plain <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	68.35 4.61 4.61	7.76
26 05 33	13-2434	EA	2-1/2" Flexible 90 Degree Connector, Plain <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	156.17 5.42 5.42	8.31
26 05 33	13-2435	EA	3" Flexible 90 Degree Connector, Plain <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	201.64 6.10 6.10	9.76
26 05 33	13-2436	EA	3-1/2" Flexible 90 Degree Connector, Plain <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	434.92 6.77 6.77	11.93
26 05 33	13-2437	EA	4" Flexible 90 Degree Connector, Plain <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	781.64 8.13 8.13	13.55
<b>26 05 33 13-2438 Insulated Throat Squeeze Type 90 Degree Connector</b> <small>(26 05 33 13-2390)</small>					
26 05 33	13-2439	EA	1/2" Flexible 90 Degree Connector, Insulated <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.02 1.90 1.90	3.97
26 05 33	13-2440	EA	3/4" Flexible 90 Degree Connector, Insulated <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.23 2.17 2.17	4.33
26 05 33	13-2441	EA	1" Flexible 90 Degree Connector, Insulated <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.95 2.71 2.71	5.06
26 05 33	13-2442	EA	1-1/4" Flexible 90 Degree Connector, Insulated <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	41.84 3.25 3.25	5.42
26 05 33	13-2443	EA	1-1/2" Flexible 90 Degree Connector, Insulated <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	68.17 4.07 4.07	6.32
26 05 33	13-2444	EA	2" Flexible 90 Degree Connector, Insulated <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	87.48 4.61 4.61	7.76





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2445 EA 2-1/2" Flexible 90 Degree Connector, Insulated ..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	215.99 5.42 5.42	8.31
26 05 33 13-2446 EA 3" Flexible 90 Degree Connector, Insulated ..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	266.45 6.10 6.10	9.76
26 05 33 13-2447 EA 3-1/2" Flexible 90 Degree Connector, Insulated ..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	728.66 6.77 6.77	11.93
26 05 33 13-2448 EA 4" Flexible 90 Degree Connector, Insulated ..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,089.29 8.13 8.13	13.55
<b>26 05 33 13-2449 Plain Squeeze Type 45 Degree Connector</b> (26 05 33 13-2390)		
26 05 33 13-2450 EA 3/8" Flexible 45 Degree Connector, Plain ..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.73 1.63 1.63	3.61
26 05 33 13-2451 EA 1/2" Flexible 45 Degree Connector, Plain ..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.46 1.90 1.90	3.97
26 05 33 13-2452 EA 3/4" Flexible 45 Degree Connector, Plain ..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.53 2.17 2.17	4.33
<b>26 05 33 13-2453 Insulated Squeeze Type 45 Degree Connector</b> (26 05 33 13-2390)		
26 05 33 13-2454 EA 3/8" Flexible 45 Degree Connector, Insulated ..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.56 1.63 1.63	4.33
26 05 33 13-2455 EA 1/2" Flexible 45 Degree Connector, Insulated ..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.81 1.90 1.90	3.97
26 05 33 13-2456 EA 3/4" Flexible 45 Degree Connector, Insulated ..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.45 2.17 2.17	4.33
<b>26 05 33 13-2457 Plain Screw-In Connector</b> (26 05 33 13-2390)		
26 05 33 13-2458 EA 3/8" Flexible Steel Screw-in Connector, Plain ..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.78 1.22 1.22	2.89
26 05 33 13-2459 EA 1/2" Flexible Steel Screw-in Connector, Plain ..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.11 1.35 1.35	3.25
26 05 33 13-2460 EA 3/4" Flexible Steel Screw-in Connector, Plain ..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.63 1.63 1.63	3.97
26 05 33 13-2461 EA 1" Flexible Steel Screw-in Connector, Plain ..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.66 2.17 2.17	4.33
26 05 33 13-2462 EA 1-1/4" Flexible Steel Screw-in Connector, Plain ..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.75 2.71 2.71	5.06
26 05 33 13-2463 EA 1-1/2" Flexible Steel Screw-in Connector, Plain ..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.94 3.39 3.39	5.42
26 05 33 13-2464 EA 2" Flexible Steel Screw-in Connector, Plain ..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.36 4.07 4.07	6.14
<b>26 05 33 13-2465 Insulated Screw-In Connector</b> (26 05 33 13-2390)		
26 05 33 13-2466 EA 3/8" Flexible Steel Screw-in Connector, Insulated ..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.14 1.22 1.22	2.89
26 05 33 13-2467 EA 1/2" Flexible Steel Screw-in Connector, Insulated ..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.39 1.35 1.35	3.25
26 05 33 13-2468 EA 3/4" Flexible Steel Screw-in Connector, Insulated ..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.36 1.63 1.63	3.97
26 05 33 13-2469 EA 1" Flexible Steel Screw-in Connector, Insulated ..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.77 2.17 2.17	4.33
26 05 33 13-2470 EA 1-1/4" Flexible Steel Screw-in Connector, Insulated ..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.33 2.71 2.71	5.06
26 05 33 13-2471 EA 1-1/2" Flexible Steel Screw-in Connector, Insulated ..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.83 3.39 3.39	5.42
26 05 33 13-2472 EA 2" Flexible Steel Screw-in Connector, Insulated ..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29.02 4.07 4.07	6.14

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>26 05 33 13-2473 Screw-In Coupling</b> <small>(26 05 33 13-2390)</small>		
26 05 33 13-2474 EA 3/8" Flexible Steel Screw-in Coupling .....	5.80	3.25
<i>For Work In Restricted Working Space, Add</i>	1.35	
26 05 33 13-2475 EA 3/4" Flexible Steel Screw-in Coupling .....	7.78	3.97
<i>For Work In Restricted Working Space, Add</i>	1.63	
<b>26 05 33 13-2476 Flexible To Electrical Metallic Tubing (EMT) Coupling</b> <small>(26 05 33 13-2390)</small>		
26 05 33 13-2477 EA 3/8" Flexible Steel To Electrical Metallic Tubing (EMT) Coupling .....	8.45	2.89
<i>For Work In Restricted Working Space, Add</i>	1.22	
26 05 33 13-2478 EA 1/2" Flexible Steel To Electrical Metallic Tubing (EMT) Coupling .....	11.83	3.25
<i>For Work In Restricted Working Space, Add</i>	1.35	
26 05 33 13-2479 EA 3/4" Flexible Steel To Electrical Metallic Tubing (EMT) Coupling .....	15.83	3.97
<i>For Work In Restricted Working Space, Add</i>	1.63	
<b>26 05 33 13-2480 Die Cast Squeeze Type Straight Connector</b> <small>(26 05 33 13-2390)</small>		
26 05 33 13-2481 EA 3/8" Flexible Straight Connector, Die Cast.....	5.00	2.89
<i>For Work In Restricted Working Space, Add</i>	1.22	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.22	
26 05 33 13-2482 EA 1/2" Flexible Straight Connector, Die Cast.....	5.68	3.25
<i>For Work In Restricted Working Space, Add</i>	1.35	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.35	
26 05 33 13-2483 EA 3/4" Flexible Straight Connector, Die Cast.....	7.12	3.97
<i>For Work In Restricted Working Space, Add</i>	1.63	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.63	
26 05 33 13-2484 EA 1" Flexible Straight Connector, Die Cast.....	11.02	4.33
<i>For Work In Restricted Working Space, Add</i>	2.17	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.17	
26 05 33 13-2485 EA 1-1/4" Flexible Straight Connector, Die Cast.....	15.09	5.06
<i>For Work In Restricted Working Space, Add</i>	2.71	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.71	
26 05 33 13-2486 EA 1-1/2" Flexible Straight Connector, Die Cast.....	20.78	5.42
<i>For Work In Restricted Working Space, Add</i>	3.39	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.39	
26 05 33 13-2487 EA 2" Flexible Straight Connector, Die Cast.....	27.21	6.14
<i>For Work In Restricted Working Space, Add</i>	4.07	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.07	
<b>26 05 33 13-2488 Die Cast Squeeze Type 90 Degree Connector</b> <small>(26 05 33 13-2390)</small>		
26 05 33 13-2489 EA 3/8" Flexible 90 Degree Connector, Die Cast .....	6.62	3.61
<i>For Work In Restricted Working Space, Add</i>	1.63	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.63	
26 05 33 13-2490 EA 1/2" Flexible 90 Degree Connector, Die Cast .....	8.33	3.97
<i>For Work In Restricted Working Space, Add</i>	1.90	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.90	
26 05 33 13-2491 EA 3/4" Flexible 90 Degree Connector, Die Cast .....	10.25	4.33
<i>For Work In Restricted Working Space, Add</i>	2.17	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.17	
26 05 33 13-2492 EA 1" Flexible 90 Degree Connector, Die Cast .....	17.06	5.06
<i>For Work In Restricted Working Space, Add</i>	2.71	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.71	
26 05 33 13-2493 EA 1-1/4" Flexible 90 Degree Connector, Die Cast .....	24.83	5.42
<i>For Work In Restricted Working Space, Add</i>	3.25	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.25	
26 05 33 13-2494 EA 1-1/2" Flexible 90 Degree Connector, Die Cast .....	39.67	6.32
<i>For Work In Restricted Working Space, Add</i>	4.07	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.07	
26 05 33 13-2495 EA 2" Flexible 90 Degree Connector, Die Cast .....	47.71	7.76
<i>For Work In Restricted Working Space, Add</i>	4.61	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.61	
<b>26 05 33 13-2496 Flexible Liquid Tight Non-Metallic Conduit And Connectors</b> <small>(26 05 33 13-2348)</small>		
<b>26 05 33 13-2497 Flexible Liquid Tight Non-Metallic Conduit</b> <small>(26 05 33 13-2496)</small>		
26 05 33 13-2498 LF 3/8" Flexible Liquid Tight Non-Metallic Conduit.....	3.38	0.99
<i>For Work In Restricted Working Space, Add</i>	0.74	
26 05 33 13-2499 LF 1/2" Flexible Liquid Tight Non-Metallic Conduit.....	3.46	0.99
<i>For Work In Restricted Working Space, Add</i>	0.74	
26 05 33 13-2500 LF 3/4" Flexible Liquid Tight Non-Metallic Conduit.....	4.65	1.32
<i>For Work In Restricted Working Space, Add</i>	0.99	
26 05 33 13-2501 LF 1" Flexible Liquid Tight Non-Metallic Conduit.....	6.02	1.32
<i>For Work In Restricted Working Space, Add</i>	0.99	
26 05 33 13-2502 LF 1-1/4" Flexible Liquid Tight Non-Metallic Conduit .....	7.67	1.65
<i>For Work In Restricted Working Space, Add</i>	1.24	
26 05 33 13-2503 LF 1-1/2" Flexible Liquid Tight Non-Metallic Conduit .....	9.88	1.98
<i>For Work In Restricted Working Space, Add</i>	1.49	
26 05 33 13-2504 LF 2" Flexible Liquid Tight Non-Metallic Conduit.....	12.61	2.64
<i>For Work In Restricted Working Space, Add</i>	1.98	



	MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>26 05 33 13-2505</b>		<b>Liquid Tight Non-Metallic Straight Connector</b> <small>(26 05 33 13-2496)</small>		
26 05 33 13-2506	EA	3/8" Liquid Tight Non-Metallic Straight Connector ..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.91 1.98 1.98	2.64
26 05 33 13-2507	EA	1/2" Liquid Tight Non-Metallic Straight Connector ..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.91 1.98 1.98	2.64
26 05 33 13-2508	EA	3/4" Liquid Tight Non-Metallic Straight Connector ..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.34 2.23 2.23	2.97
26 05 33 13-2509	EA	1" Liquid Tight Non-Metallic Straight Connector ..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.62 2.48 2.48	3.30
26 05 33 13-2510	EA	1-1/4" Liquid Tight Non-Metallic Straight Connector ..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.30 2.72 2.72	3.63
26 05 33 13-2511	EA	1-1/2" Liquid Tight Non-Metallic Straight Connector ..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28.32 2.97 2.97	3.96
26 05 33 13-2512	EA	2" Liquid Tight Non-Metallic Straight Connector ..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	45.34 3.47 3.47	4.62
<b>26 05 33 13-2513</b>		<b>Liquid Tight Non-Metallic 90 Degree Angle Connector</b> <small>(26 05 33 13-2496)</small>		
26 05 33 13-2514	EA	3/8" Liquid Tight Non-Metallic 90 Degree Angle Connector ..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.47 2.72 2.72	3.63
26 05 33 13-2515	EA	1/2" Liquid Tight Non-Metallic 90 Degree Angle Connector ..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.47 2.72 2.72	3.63
26 05 33 13-2516	EA	3/4" Liquid Tight Non-Metallic 90 Degree Angle Connector ..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.20 2.97 2.97	3.96
26 05 33 13-2517	EA	1" Liquid Tight Non-Metallic 90 Degree Angle Connector ..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26.53 3.47 3.47	4.62
26 05 33 13-2518	EA	1-1/4" Liquid Tight Non-Metallic 90 Degree Angle Connector ..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.27 3.71 3.71	4.95
26 05 33 13-2519	EA	1-1/2" Liquid Tight Non-Metallic 90 Degree Angle Connector ..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	45.16 3.96 3.96	5.28
26 05 33 13-2520	EA	2" Liquid Tight Non-Metallic 90 Degree Angle Connector ..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	61.61 4.46 4.46	5.94
<b>26 05 33 13-2521</b>		<b>Liquid Tight Non-Metallic 45 Degree Angle Connector</b> <small>(26 05 33 13-2496)</small>		
26 05 33 13-2522	EA	3/8" Liquid Tight Non-Metallic 45 Degree Angle Connector ..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.47 2.72 2.72	3.63
26 05 33 13-2523	EA	1/2" Liquid Tight Non-Metallic 45 Degree Angle Connector ..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.47 2.72 2.72	3.63
26 05 33 13-2524	EA	3/4" Liquid Tight Non-Metallic 45 Degree Angle Connector ..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.20 2.97 2.97	3.96
26 05 33 13-2525	EA	1" Liquid Tight Non-Metallic 45 Degree Angle Connector ..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26.53 3.47 3.47	4.62
26 05 33 13-2526	EA	1-1/4" Liquid Tight Non-Metallic 45 Degree Angle Connector ..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.27 3.71 3.71	4.95
26 05 33 13-2527	EA	1-1/2" Liquid Tight Non-Metallic 45 Degree Angle Connector ..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	45.16 3.96 3.96	5.28
26 05 33 13-2528	EA	2" Liquid Tight Non-Metallic 45 Degree Angle Connector ..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	61.61 4.46 4.46	5.94
<b>26 05 33 13-2529</b>		<b>Blue ENT Electrical Non-Metallic Tubing</b> <small>(26 05 33 13-2348)</small> Note: Carlon - FLEX-PLUS.		
<b>26 05 33 13-2530</b>		<b>Blue ENT Electrical Non-Metallic Tubing</b> <small>(26 05 33 13-2529)</small>		
26 05 33 13-2531	LF	1/2" Blue ENT Electrical Non-Metallic Tubing ..... <i>For Work In Restricted Working Space, Add</i>	4.29 0.81	1.08
26 05 33 13-2532	LF	3/4" Blue ENT Electrical Non-Metallic Tubing ..... <i>For Work In Restricted Working Space, Add</i>	5.80 1.08	1.44
26 05 33 13-2533	LF	1" Blue ENT Electrical Non-Metallic Tubing ..... <i>For Work In Restricted Working Space, Add</i>	7.15 1.08	1.44

**26 Electrical**

**26 05 Common Work Results for Electrical**

**26 05 33 Raceway and Boxes for Electrical Systems**



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>26 05 33 13-2534 Terminal Adapter</b> <small>(26 05 33 13-2529)</small>		
26 05 33 13-2535 EA 1/2" Quick Connect Terminal Adapter For Blue ENT Electrical Non-Metallic Tubing.....	9.81	2.89
<i>For Work In Restricted Working Space, Add</i>	2.17	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.17	
26 05 33 13-2536 EA 3/4" Quick Connect Terminal Adapter For Blue ENT Electrical Non-Metallic Tubing.....	12.85	3.25
<i>For Work In Restricted Working Space, Add</i>	2.44	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.44	
26 05 33 13-2537 EA 1" Quick Connect Terminal Adapter For Blue ENT Electrical Non-Metallic Tubing.....	15.12	3.61
<i>For Work In Restricted Working Space, Add</i>	2.71	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.71	
<b>26 05 33 13-2538 Coupling</b> <small>(26 05 33 13-2529)</small>		
26 05 33 13-2539 EA 1/2" Quick Connect Coupling For Blue ENT Electrical Non-Metallic Tubing.....	9.47	2.89
<i>For Work In Restricted Working Space, Add</i>	2.17	
26 05 33 13-2540 EA 3/4" Quick Connect Coupling For Blue ENT Electrical Non-Metallic Tubing.....	11.05	3.25
<i>For Work In Restricted Working Space, Add</i>	2.44	
26 05 33 13-2541 EA 1" Quick Connect Coupling For Blue ENT Electrical Non-Metallic Tubing.....	13.43	3.61
<i>For Work In Restricted Working Space, Add</i>	2.71	
<b>26 05 33 13-2542 Metallic Conduit Bodies</b> <small>(26 05 33 13-0058)</small>		
<b>26 05 33 13-2543 Threaded, Cast Aluminum Conduit Body</b> <small>(26 05 33 13-2542)</small>		
<i>Note: For use with Rigid Galvanized Steel (RGS), Galvanized Rigid Steel Conduit (GRC), Intermediate Metal Conduit (IMC), or Aluminum Rigid Conduit (ARC)</i>		
<b>26 05 33 13-2544 Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover</b> <small>(26 05 33 13-2543)</small>		
26 05 33 13-2545 EA 1/2" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover .....	45.31	15.84
<i>For Mogul LB, Add</i>	2.29	
<i>For Work In Restricted Working Space, Add</i>	11.88	
<i>For Elevated Installation &gt;10' To 15', Add</i>	3.96	
<i>For Elevated Installation &gt;15' To 20', Add</i>	7.92	
<i>For Elevated Installation &gt;20' To 25', Add</i>	9.90	
<i>For Elevated Installation &gt;25' To 30', Add</i>	13.86	
<i>For Elevated Installation &gt;30' To 35', Add</i>	15.84	
<i>For Elevated Installation &gt;35' To 40', Add</i>	19.81	
<i>For Elevated Installation &gt;40', Add</i>	21.79	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.88	
26 05 33 13-2546 EA 3/4" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover .....	53.11	18.15
<i>For Mogul LB, Add</i>	3.54	
<i>For Work In Restricted Working Space, Add</i>	13.61	
<i>For Elevated Installation &gt;10' To 15', Add</i>	4.54	
<i>For Elevated Installation &gt;15' To 20', Add</i>	9.07	
<i>For Elevated Installation &gt;20' To 25', Add</i>	11.34	
<i>For Elevated Installation &gt;25' To 30', Add</i>	15.88	
<i>For Elevated Installation &gt;30' To 35', Add</i>	18.15	
<i>For Elevated Installation &gt;35' To 40', Add</i>	22.69	
<i>For Elevated Installation &gt;40', Add</i>	24.95	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.61	
26 05 33 13-2547 EA 1" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover .....	63.81	21.12
<i>For Mogul LB, Add</i>	5.62	
<i>For Work In Restricted Working Space, Add</i>	15.84	
<i>For Elevated Installation &gt;10' To 15', Add</i>	5.28	
<i>For Elevated Installation &gt;15' To 20', Add</i>	10.56	
<i>For Elevated Installation &gt;20' To 25', Add</i>	13.20	
<i>For Elevated Installation &gt;25' To 30', Add</i>	18.48	
<i>For Elevated Installation &gt;30' To 35', Add</i>	21.12	
<i>For Elevated Installation &gt;35' To 40', Add</i>	26.40	
<i>For Elevated Installation &gt;40', Add</i>	29.04	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.84	
26 05 33 13-2548 EA 1-1/4" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover .....	76.68	24.09
<i>For Mogul LB, Add</i>	9.33	
<i>For Work In Restricted Working Space, Add</i>	18.07	
<i>For Elevated Installation &gt;10' To 15', Add</i>	6.02	
<i>For Elevated Installation &gt;15' To 20', Add</i>	12.05	
<i>For Elevated Installation &gt;20' To 25', Add</i>	15.06	
<i>For Elevated Installation &gt;25' To 30', Add</i>	21.08	
<i>For Elevated Installation &gt;30' To 35', Add</i>	24.09	
<i>For Elevated Installation &gt;35' To 40', Add</i>	30.12	
<i>For Elevated Installation &gt;40', Add</i>	33.13	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.07	
26 05 33 13-2549 EA 1-1/2" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover .....	87.22	26.40
<i>For Mogul LB, Add</i>	12.62	
<i>For Work In Restricted Working Space, Add</i>	19.80	
<i>For Elevated Installation &gt;10' To 15', Add</i>	6.60	
<i>For Elevated Installation &gt;15' To 20', Add</i>	13.20	
<i>For Elevated Installation &gt;20' To 25', Add</i>	16.50	
<i>For Elevated Installation &gt;25' To 30', Add</i>	23.10	
<i>For Elevated Installation &gt;30' To 35', Add</i>	26.40	
<i>For Elevated Installation &gt;35' To 40', Add</i>	33.00	
<i>For Elevated Installation &gt;40', Add</i>	36.30	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.80	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2550 EA 2" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover .....	113.47	31.68
For Mogul LB, Add	21.74	
For Work In Restricted Working Space, Add	23.76	
For Elevated Installation >10' To 15', Add	7.92	
For Elevated Installation >15' To 20', Add	15.84	
For Elevated Installation >20' To 25', Add	19.80	
For Elevated Installation >25' To 30', Add	27.72	
For Elevated Installation >30' To 35', Add	31.68	
For Elevated Installation >35' To 40', Add	39.60	
For Elevated Installation >40', Add	43.56	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.76	
26 05 33 13-2551 EA 2-1/2" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover .....	187.23	44.55
For Mogul LB, Add	51.32	
For Work In Restricted Working Space, Add	33.41	
For Elevated Installation >10' To 15', Add	11.14	
For Elevated Installation >15' To 20', Add	22.28	
For Elevated Installation >20' To 25', Add	27.85	
For Elevated Installation >25' To 30', Add	38.98	
For Elevated Installation >30' To 35', Add	44.55	
For Elevated Installation >35' To 40', Add	55.69	
For Elevated Installation >40', Add	61.26	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	33.41	
26 05 33 13-2552 EA 3" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover .....	246.44	59.40
For Mogul LB, Add	66.02	
For Work In Restricted Working Space, Add	44.55	
For Elevated Installation >10' To 15', Add	14.85	
For Elevated Installation >15' To 20', Add	29.70	
For Elevated Installation >20' To 25', Add	37.13	
For Elevated Installation >25' To 30', Add	51.98	
For Elevated Installation >30' To 35', Add	59.40	
For Elevated Installation >35' To 40', Add	74.26	
For Elevated Installation >40', Add	81.68	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	44.55	
26 05 33 13-2553 EA 3-1/2" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover .....	325.69	74.25
For Mogul LB, Add	95.76	
For Work In Restricted Working Space, Add	55.69	
For Elevated Installation >10' To 15', Add	18.56	
For Elevated Installation >15' To 20', Add	37.13	
For Elevated Installation >20' To 25', Add	46.41	
For Elevated Installation >25' To 30', Add	64.97	
For Elevated Installation >30' To 35', Add	74.25	
For Elevated Installation >35' To 40', Add	92.82	
For Elevated Installation >40', Add	102.10	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	55.69	
26 05 33 13-2554 EA 4" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover .....	420.69	90.43
For Mogul LB, Add	134.67	
For Work In Restricted Working Space, Add	67.62	
For Elevated Installation >10' To 15', Add	22.61	
For Elevated Installation >15' To 20', Add	45.21	
For Elevated Installation >20' To 25', Add	56.52	
For Elevated Installation >25' To 30', Add	79.12	
For Elevated Installation >30' To 35', Add	90.42	
For Elevated Installation >35' To 40', Add	113.03	
For Elevated Installation >40', Add	124.33	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	67.82	
<b>26 05 33 13-2555 Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover <small>(26 05 33 13-2543)</small></b>		
26 05 33 13-2556 EA 1/2" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover .....	46.00	15.84
For Mogul LB, Add	2.81	
For Work In Restricted Working Space, Add	11.88	
For Elevated Installation >10' To 15', Add	3.96	
For Elevated Installation >15' To 20', Add	7.92	
For Elevated Installation >20' To 25', Add	9.90	
For Elevated Installation >25' To 30', Add	13.86	
For Elevated Installation >30' To 35', Add	15.84	
For Elevated Installation >35' To 40', Add	19.81	
For Elevated Installation >40', Add	21.79	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.88	
26 05 33 13-2557 EA 3/4" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover .....	53.78	18.15
For Mogul LB, Add	4.04	
For Work In Restricted Working Space, Add	13.61	
For Elevated Installation >10' To 15', Add	4.54	
For Elevated Installation >15' To 20', Add	9.07	
For Elevated Installation >20' To 25', Add	11.34	
For Elevated Installation >25' To 30', Add	15.88	
For Elevated Installation >30' To 35', Add	18.15	
For Elevated Installation >35' To 40', Add	22.69	
For Elevated Installation >40', Add	24.95	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.61	

**26 Electrical**

**26 05 Common Work Results for Electrical**

**26 05 33 Raceway and Boxes for Electrical Systems**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-2558	EA	1" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover .....	65.18	21.12
			<i>For Mogul LB, Add</i>	6.65	
			<i>For Work In Restricted Working Space, Add</i>	15.84	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	5.28	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	10.56	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	13.20	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	18.48	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	21.12	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	26.40	
			<i>For Elevated Installation &gt;40', Add</i>	29.04	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.84	
26 05 33	13-2559	EA	1-1/4" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover .....	78.34	24.09
			<i>For Mogul LB, Add</i>	10.57	
			<i>For Work In Restricted Working Space, Add</i>	18.07	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	6.02	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	12.05	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	15.06	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	21.08	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	24.09	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	30.12	
			<i>For Elevated Installation &gt;40', Add</i>	33.13	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.07	
26 05 33	13-2560	EA	1-1/2" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover .....	90.04	26.40
			<i>For Mogul LB, Add</i>	14.73	
			<i>For Work In Restricted Working Space, Add</i>	19.80	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	6.60	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	13.20	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	16.50	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	23.10	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	26.40	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	33.00	
			<i>For Elevated Installation &gt;40', Add</i>	36.30	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.80	
26 05 33	13-2561	EA	2" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover .....	119.53	31.68
			<i>For Mogul LB, Add</i>	26.29	
			<i>For Work In Restricted Working Space, Add</i>	23.76	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	7.92	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	15.84	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	19.80	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	27.72	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	31.68	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	39.60	
			<i>For Elevated Installation &gt;40', Add</i>	43.56	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.76	
26 05 33	13-2562	EA	2-1/2" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover .....	184.17	44.55
			<i>For Mogul LB, Add</i>	49.02	
			<i>For Work In Restricted Working Space, Add</i>	33.41	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	11.14	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	22.28	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	27.85	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	38.98	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	44.55	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	55.69	
			<i>For Elevated Installation &gt;40', Add</i>	61.26	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	33.41	
26 05 33	13-2563	EA	3" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover .....	236.16	59.40
			<i>For Mogul LB, Add</i>	58.31	
			<i>For Work In Restricted Working Space, Add</i>	44.55	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	14.85	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	29.70	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	37.13	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	51.98	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	59.40	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	74.26	
			<i>For Elevated Installation &gt;40', Add</i>	81.68	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	44.55	
26 05 33	13-2564	EA	3-1/2" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover .....	334.45	74.25
			<i>For Mogul LB, Add</i>	102.33	
			<i>For Work In Restricted Working Space, Add</i>	55.69	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	18.56	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	37.13	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	46.41	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	64.97	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	74.25	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	92.82	
			<i>For Elevated Installation &gt;40', Add</i>	102.10	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	55.69	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2565 EA 4" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover .....	438.59	90.43
For Mogul LB, Add	148.09	
For Work In Restricted Working Space, Add	67.82	
For Elevated Installation >10' To 15', Add	22.61	
For Elevated Installation >15' To 20', Add	45.21	
For Elevated Installation >20' To 25', Add	56.52	
For Elevated Installation >25' To 30', Add	79.12	
For Elevated Installation >30' To 35', Add	90.42	
For Elevated Installation >35' To 40', Add	113.03	
For Elevated Installation >40', Add	124.33	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	67.82	
<b>26 05 33 13-2566 Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover <small>(26 05 33 13-2543)</small></b>		
26 05 33 13-2567 EA 1/2" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover .....	52.92	18.15
For Work In Restricted Working Space, Add	13.61	
For Elevated Installation >10' To 15', Add	4.54	
For Elevated Installation >15' To 20', Add	9.07	
For Elevated Installation >20' To 25', Add	11.34	
For Elevated Installation >25' To 30', Add	15.88	
For Elevated Installation >30' To 35', Add	18.15	
For Elevated Installation >35' To 40', Add	22.69	
For Elevated Installation >40', Add	24.95	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.61	
26 05 33 13-2568 EA 3/4" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover .....	62.53	21.12
For Work In Restricted Working Space, Add	15.84	
For Elevated Installation >10' To 15', Add	5.28	
For Elevated Installation >15' To 20', Add	10.56	
For Elevated Installation >20' To 25', Add	13.20	
For Elevated Installation >25' To 30', Add	18.48	
For Elevated Installation >30' To 35', Add	21.12	
For Elevated Installation >35' To 40', Add	26.40	
For Elevated Installation >40', Add	29.04	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.84	
26 05 33 13-2569 EA 1" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover .....	71.52	23.10
For Work In Restricted Working Space, Add	17.33	
For Elevated Installation >10' To 15', Add	5.78	
For Elevated Installation >15' To 20', Add	11.55	
For Elevated Installation >20' To 25', Add	14.44	
For Elevated Installation >25' To 30', Add	20.22	
For Elevated Installation >30' To 35', Add	23.10	
For Elevated Installation >35' To 40', Add	28.88	
For Elevated Installation >40', Add	31.77	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.33	
26 05 33 13-2570 EA 1-1/4" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover .....	86.86	26.40
For Work In Restricted Working Space, Add	19.80	
For Elevated Installation >10' To 15', Add	6.60	
For Elevated Installation >15' To 20', Add	13.20	
For Elevated Installation >20' To 25', Add	16.50	
For Elevated Installation >25' To 30', Add	23.10	
For Elevated Installation >30' To 35', Add	26.40	
For Elevated Installation >35' To 40', Add	33.00	
For Elevated Installation >40', Add	36.30	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.80	
26 05 33 13-2571 EA 1-1/2" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover .....	99.72	29.04
For Work In Restricted Working Space, Add	21.78	
For Elevated Installation >10' To 15', Add	7.26	
For Elevated Installation >15' To 20', Add	14.52	
For Elevated Installation >20' To 25', Add	18.15	
For Elevated Installation >25' To 30', Add	25.41	
For Elevated Installation >30' To 35', Add	29.04	
For Elevated Installation >35' To 40', Add	36.31	
For Elevated Installation >40', Add	39.94	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	21.78	
26 05 33 13-2572 EA 2" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover .....	131.35	34.00
For Work In Restricted Working Space, Add	25.49	
For Elevated Installation >10' To 15', Add	8.50	
For Elevated Installation >15' To 20', Add	17.00	
For Elevated Installation >20' To 25', Add	21.25	
For Elevated Installation >25' To 30', Add	29.74	
For Elevated Installation >30' To 35', Add	33.99	
For Elevated Installation >35' To 40', Add	42.49	
For Elevated Installation >40', Add	46.74	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.49	
26 05 33 13-2573 EA 2-1/2" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover .....	205.69	49.50
For Work In Restricted Working Space, Add	37.13	
For Elevated Installation >10' To 15', Add	12.38	
For Elevated Installation >15' To 20', Add	24.75	
For Elevated Installation >20' To 25', Add	30.94	
For Elevated Installation >25' To 30', Add	43.31	
For Elevated Installation >30' To 35', Add	49.50	
For Elevated Installation >35' To 40', Add	61.88	
For Elevated Installation >40', Add	68.06	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	37.13	

**26 Electrical**

**26 05 Common Work Results for Electrical**

**26 05 33 Raceway and Boxes for Electrical Systems**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-2574	EA	3" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	265.92 48.26 16.09 32.18 40.22 56.31 64.35 80.44 88.48 48.26	64.35
26 05 33	13-2575	EA	3-1/2" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	416.16 59.40 19.80 39.60 49.50 69.30 79.20 99.00 108.90 59.40	79.20
26 05 33	13-2576	EA	4" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	478.64 71.53 23.84 47.69 59.61 83.45 95.37 119.22 131.14 71.53	95.38
26 05 33	13-2577		<b>Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover</b> <small>(26 05 33 13-2543)</small>		
26 05 33	13-2578	EA	1/2" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	46.14 11.88 3.96 7.92 9.90 13.86 15.84 19.81 21.79 11.88	15.84
26 05 33	13-2579	EA	3/4" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	53.30 13.61 4.54 9.07 11.34 15.88 18.15 22.69 24.95 13.61	18.15
26 05 33	13-2580	EA	1" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	63.80 15.59 5.20 10.40 13.00 18.19 20.79 25.99 28.59 15.59	20.79
26 05 33	13-2581	EA	1-1/4" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	77.67 18.07 6.02 12.05 15.06 21.08 24.09 30.12 33.13 18.07	24.09
26 05 33	13-2582	EA	1-1/2" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	86.76 19.80 6.60 13.20 16.50 23.10 26.40 33.00 36.30 19.80	26.40





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2583 EA 2" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover .....	113.52	31.68
For Work In Restricted Working Space, Add	23.76	
For Elevated Installation >10' To 15', Add	7.92	
For Elevated Installation >15' To 20', Add	15.84	
For Elevated Installation >20' To 25', Add	19.80	
For Elevated Installation >25' To 30', Add	27.72	
For Elevated Installation >30' To 35', Add	31.68	
For Elevated Installation >35' To 40', Add	39.60	
For Elevated Installation >40', Add	43.56	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.76	
26 05 33 13-2584 EA 2-1/2" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover .....	181.60	44.55
For Work In Restricted Working Space, Add	33.41	
For Elevated Installation >10' To 15', Add	11.14	
For Elevated Installation >15' To 20', Add	22.28	
For Elevated Installation >20' To 25', Add	27.85	
For Elevated Installation >25' To 30', Add	38.98	
For Elevated Installation >30' To 35', Add	44.55	
For Elevated Installation >35' To 40', Add	55.69	
For Elevated Installation >40', Add	61.26	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	33.41	
26 05 33 13-2585 EA 3" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover .....	234.52	59.40
For Work In Restricted Working Space, Add	44.55	
For Elevated Installation >10' To 15', Add	14.85	
For Elevated Installation >15' To 20', Add	29.70	
For Elevated Installation >20' To 25', Add	37.13	
For Elevated Installation >25' To 30', Add	51.98	
For Elevated Installation >30' To 35', Add	59.40	
For Elevated Installation >35' To 40', Add	74.26	
For Elevated Installation >40', Add	81.68	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	44.55	
26 05 33 13-2586 EA 3-1/2" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover .....	329.19	74.25
For Work In Restricted Working Space, Add	55.69	
For Elevated Installation >10' To 15', Add	18.56	
For Elevated Installation >15' To 20', Add	37.13	
For Elevated Installation >20' To 25', Add	46.41	
For Elevated Installation >25' To 30', Add	64.97	
For Elevated Installation >30' To 35', Add	74.25	
For Elevated Installation >35' To 40', Add	92.82	
For Elevated Installation >40', Add	102.10	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	55.69	
26 05 33 13-2587 EA 4" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover .....	422.33	90.43
For Work In Restricted Working Space, Add	67.82	
For Elevated Installation >10' To 15', Add	22.61	
For Elevated Installation >15' To 20', Add	45.21	
For Elevated Installation >20' To 25', Add	56.52	
For Elevated Installation >25' To 30', Add	79.12	
For Elevated Installation >30' To 35', Add	90.42	
For Elevated Installation >35' To 40', Add	113.03	
For Elevated Installation >40', Add	124.33	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	67.82	
<b>26 05 33 13-2588 Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover</b> <small>(26 05 33 13-2543)</small>		
26 05 33 13-2589 EA 1 1/2" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover .....	61.25	20.79
For Work In Restricted Working Space, Add	15.59	
For Elevated Installation >10' To 15', Add	5.20	
For Elevated Installation >15' To 20', Add	10.40	
For Elevated Installation >20' To 25', Add	13.00	
For Elevated Installation >25' To 30', Add	18.19	
For Elevated Installation >30' To 35', Add	20.79	
For Elevated Installation >35' To 40', Add	25.99	
For Elevated Installation >40', Add	28.59	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.59	
26 05 33 13-2590 EA 3/4" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover .....	70.30	23.10
For Work In Restricted Working Space, Add	17.33	
For Elevated Installation >10' To 15', Add	5.78	
For Elevated Installation >15' To 20', Add	11.55	
For Elevated Installation >20' To 25', Add	14.44	
For Elevated Installation >25' To 30', Add	20.22	
For Elevated Installation >30' To 35', Add	23.10	
For Elevated Installation >35' To 40', Add	28.88	
For Elevated Installation >40', Add	31.77	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.33	
26 05 33 13-2591 EA 1" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover .....	84.75	25.41
For Work In Restricted Working Space, Add	19.06	
For Elevated Installation >10' To 15', Add	6.35	
For Elevated Installation >15' To 20', Add	12.71	
For Elevated Installation >20' To 25', Add	15.88	
For Elevated Installation >25' To 30', Add	22.24	
For Elevated Installation >30' To 35', Add	25.41	
For Elevated Installation >35' To 40', Add	31.77	
For Elevated Installation >40', Add	34.94	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.06	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2592 EA 1-1/4" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover.....	97.59	29.04
For Work In Restricted Working Space, Add	21.78	
For Elevated Installation >10' To 15', Add	7.26	
For Elevated Installation >15' To 20', Add	14.52	
For Elevated Installation >20' To 25', Add	18.15	
For Elevated Installation >25' To 30', Add	25.41	
For Elevated Installation >30' To 35', Add	29.04	
For Elevated Installation >35' To 40', Add	36.31	
For Elevated Installation >40', Add	39.94	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	21.78	
26 05 33 13-2593 EA 1-1/2" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover.....	122.96	31.68
For Work In Restricted Working Space, Add	23.76	
For Elevated Installation >10' To 15', Add	7.92	
For Elevated Installation >15' To 20', Add	15.84	
For Elevated Installation >20' To 25', Add	19.80	
For Elevated Installation >25' To 30', Add	27.72	
For Elevated Installation >30' To 35', Add	31.68	
For Elevated Installation >35' To 40', Add	39.60	
For Elevated Installation >40', Add	43.56	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.76	
26 05 33 13-2594 EA 2" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover.....	148.95	38.94
For Work In Restricted Working Space, Add	29.21	
For Elevated Installation >10' To 15', Add	9.74	
For Elevated Installation >15' To 20', Add	19.47	
For Elevated Installation >20' To 25', Add	24.34	
For Elevated Installation >25' To 30', Add	34.07	
For Elevated Installation >30' To 35', Add	38.94	
For Elevated Installation >35' To 40', Add	48.68	
For Elevated Installation >40', Add	53.54	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	29.21	
26 05 33 13-2595 EA 2-1/2" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover.....	270.77	57.09
For Work In Restricted Working Space, Add	42.82	
For Elevated Installation >10' To 15', Add	14.27	
For Elevated Installation >15' To 20', Add	28.55	
For Elevated Installation >20' To 25', Add	35.69	
For Elevated Installation >25' To 30', Add	49.96	
For Elevated Installation >30' To 35', Add	57.10	
For Elevated Installation >35' To 40', Add	71.37	
For Elevated Installation >40', Add	78.51	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	42.82	
26 05 33 13-2596 EA 3" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover.....	335.61	74.25
For Work In Restricted Working Space, Add	55.69	
For Elevated Installation >10' To 15', Add	18.56	
For Elevated Installation >15' To 20', Add	37.13	
For Elevated Installation >20' To 25', Add	46.41	
For Elevated Installation >25' To 30', Add	64.97	
For Elevated Installation >30' To 35', Add	74.25	
For Elevated Installation >35' To 40', Add	92.82	
For Elevated Installation >40', Add	102.10	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	55.69	
26 05 33 13-2597 EA 3-1/2" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover.....	472.89	91.74
For Work In Restricted Working Space, Add	69.30	
For Elevated Installation >10' To 15', Add	23.10	
For Elevated Installation >15' To 20', Add	46.20	
For Elevated Installation >20' To 25', Add	57.75	
For Elevated Installation >25' To 30', Add	80.85	
For Elevated Installation >30' To 35', Add	92.40	
For Elevated Installation >35' To 40', Add	115.51	
For Elevated Installation >40', Add	127.06	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	69.30	
26 05 33 13-2598 EA 4" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover.....	570.65	110.23
For Work In Restricted Working Space, Add	82.67	
For Elevated Installation >10' To 15', Add	27.56	
For Elevated Installation >15' To 20', Add	55.11	
For Elevated Installation >20' To 25', Add	68.89	
For Elevated Installation >25' To 30', Add	96.45	
For Elevated Installation >30' To 35', Add	110.22	
For Elevated Installation >35' To 40', Add	137.78	
For Elevated Installation >40', Add	151.56	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	82.67	
<b>26 05 33 13-2599 Threaded, Malleable Iron Conduit Body</b> <small>(26 05 33 13-2542)</small>		
Note: For use with Rigid Galvanized Steel (RGS), Galvanized Rigid Steel Conduit (GRC), or Intermediate Metal Conduit (IMC)		
<b>26 05 33 13-2600 Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover</b> <small>(26 05 33 13-2599)</small>		
26 05 33 13-2601 EA 1/2" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	47.25	15.84
For Work In Restricted Working Space, Add	11.88	
For Elevated Installation >10' To 15', Add	3.96	
For Elevated Installation >15' To 20', Add	7.92	
For Elevated Installation >20' To 25', Add	9.90	
For Elevated Installation >25' To 30', Add	13.86	
For Elevated Installation >30' To 35', Add	15.84	
For Elevated Installation >35' To 40', Add	19.81	
For Elevated Installation >40', Add	21.79	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.88	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2602 EA 3/4" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover .....	54.73	18.15
For Work In Restricted Working Space, Add	13.61	
For Elevated Installation >10' To 15', Add	4.54	
For Elevated Installation >15' To 20', Add	9.07	
For Elevated Installation >20' To 25', Add	11.34	
For Elevated Installation >25' To 30', Add	15.88	
For Elevated Installation >30' To 35', Add	18.15	
For Elevated Installation >35' To 40', Add	22.69	
For Elevated Installation >40', Add	24.95	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.61	
26 05 33 13-2603 EA 1" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover .....	66.75	21.12
For Work In Restricted Working Space, Add	15.84	
For Elevated Installation >10' To 15', Add	5.28	
For Elevated Installation >15' To 20', Add	10.56	
For Elevated Installation >20' To 25', Add	13.20	
For Elevated Installation >25' To 30', Add	18.48	
For Elevated Installation >30' To 35', Add	21.12	
For Elevated Installation >35' To 40', Add	26.40	
For Elevated Installation >40', Add	29.04	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.84	
26 05 33 13-2604 EA 1-1/4" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover .....	85.26	24.09
For Work In Restricted Working Space, Add	18.07	
For Elevated Installation >10' To 15', Add	6.02	
For Elevated Installation >15' To 20', Add	12.05	
For Elevated Installation >20' To 25', Add	15.06	
For Elevated Installation >25' To 30', Add	21.08	
For Elevated Installation >30' To 35', Add	24.09	
For Elevated Installation >35' To 40', Add	30.12	
For Elevated Installation >40', Add	33.13	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.07	
26 05 33 13-2605 EA 1-1/2" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover .....	96.70	26.40
For Work In Restricted Working Space, Add	19.80	
For Elevated Installation >10' To 15', Add	6.60	
For Elevated Installation >15' To 20', Add	13.20	
For Elevated Installation >20' To 25', Add	16.50	
For Elevated Installation >25' To 30', Add	23.10	
For Elevated Installation >30' To 35', Add	26.40	
For Elevated Installation >35' To 40', Add	33.00	
For Elevated Installation >40', Add	36.30	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.80	
26 05 33 13-2606 EA 2" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover .....	130.60	31.68
For Work In Restricted Working Space, Add	23.76	
For Elevated Installation >10' To 15', Add	7.92	
For Elevated Installation >15' To 20', Add	15.84	
For Elevated Installation >20' To 25', Add	19.80	
For Elevated Installation >25' To 30', Add	27.72	
For Elevated Installation >30' To 35', Add	31.68	
For Elevated Installation >35' To 40', Add	39.61	
For Elevated Installation >40', Add	43.57	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.76	
26 05 33 13-2607 EA 2-1/2" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover .....	216.57	44.55
For Work In Restricted Working Space, Add	33.42	
For Elevated Installation >10' To 15', Add	11.14	
For Elevated Installation >15' To 20', Add	22.28	
For Elevated Installation >20' To 25', Add	27.85	
For Elevated Installation >25' To 30', Add	38.99	
For Elevated Installation >30' To 35', Add	44.56	
For Elevated Installation >35' To 40', Add	55.70	
For Elevated Installation >40', Add	61.26	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	33.42	
26 05 33 13-2608 EA 3" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover .....	305.43	59.40
For Work In Restricted Working Space, Add	44.56	
For Elevated Installation >10' To 15', Add	14.85	
For Elevated Installation >15' To 20', Add	29.70	
For Elevated Installation >20' To 25', Add	37.13	
For Elevated Installation >25' To 30', Add	51.98	
For Elevated Installation >30' To 35', Add	59.41	
For Elevated Installation >35' To 40', Add	74.26	
For Elevated Installation >40', Add	81.69	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	44.56	
26 05 33 13-2609 EA 3-1/2" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover .....	417.92	74.25
For Work In Restricted Working Space, Add	55.69	
For Elevated Installation >10' To 15', Add	18.56	
For Elevated Installation >15' To 20', Add	37.13	
For Elevated Installation >20' To 25', Add	46.41	
For Elevated Installation >25' To 30', Add	64.97	
For Elevated Installation >30' To 35', Add	74.25	
For Elevated Installation >35' To 40', Add	92.82	
For Elevated Installation >40', Add	102.10	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	55.69	

**26 Electrical**

**26 05 Common Work Results for Electrical**

**26 05 33 Raceway and Boxes for Electrical Systems**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-2610	EA	4" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover ..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	500.75 67.82 22.61 45.21 56.52 79.12 90.42 113.03 124.33 67.82	90.43
<b>26 05 33 13-2611 Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover</b> <small>(26 05 33 13-2599)</small>					
26 05 33	13-2612	EA	1/2" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	49.01 11.88	15.84
26 05 33	13-2613	EA	3/4" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	55.25 13.61	18.15
26 05 33	13-2614	EA	1" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	69.45 15.84	21.12
26 05 33	13-2615	EA	1-1/4" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	87.07 18.07	24.09
26 05 33	13-2616	EA	1-1/2" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	98.92 19.80	26.40
26 05 33	13-2617	EA	2" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	126.05 23.76	31.68
26 05 33	13-2618	EA	2-1/2" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	191.35 33.42	44.55
26 05 33	13-2619	EA	3" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	260.08 44.56	59.40
26 05 33	13-2620	EA	3-1/2" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	444.63 55.69	74.25
26 05 33	13-2621	EA	4" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	520.44 67.82	90.43
<b>26 05 33 13-2622 Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover</b> <small>(26 05 33 13-2599)</small>					
26 05 33	13-2623	EA	1/2" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover ..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	57.98 13.61 4.54 9.07 11.34 15.88 18.15 22.69 24.95 13.61	18.15
26 05 33	13-2624	EA	3/4" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover ..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	68.37 16.09 5.36 10.72 13.41 18.77 21.45 26.81 29.49 16.09	21.12
26 05 33	13-2625	EA	1" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover ..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	80.06 17.33 5.78 11.55 14.44 20.22 23.10 28.88 31.77 17.33	23.10
26 05 33	13-2626	EA	1-1/4" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover ..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	99.73 19.55 6.52 13.04 16.30 22.81 26.07 32.59 35.85 19.55	26.40



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2627 EA 1-1/2" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover ..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	114.13 21.78 7.26 14.52 18.15 25.41 29.04 36.31 39.94 21.78	29.04
26 05 33 13-2628 EA 2" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover ..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	150.03 25.49 8.50 17.00 21.25 29.74 33.99 42.49 46.74 25.49	34.00
26 05 33 13-2629 EA 2-1/2" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover ..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	191.99 37.13 12.38 24.75 30.94 43.31 49.50 61.88 68.06 37.13	49.50
26 05 33 13-2630 EA 3" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover ..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	274.28 48.26 16.09 32.18 40.22 56.31 64.35 80.44 88.48 48.26	64.35
26 05 33 13-2631 EA 3-1/2" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover ..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	469.33 59.40 19.80 39.60 49.50 69.30 79.20 99.00 108.90 59.40	79.20
26 05 33 13-2632 EA 4" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover ..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	544.31 71.78 23.93 47.85 59.82 83.74 95.71 119.64 131.60 71.78	95.38
<b>26 05 33 13-2633 Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover</b> <small>(26 05 33 13-2599)</small>		
26 05 33 13-2634 EA 1/2" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover ..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	47.37 11.88 3.96 7.92 9.90 13.86 15.84 19.80 21.78 11.88	15.84
26 05 33 13-2635 EA 3/4" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover ..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	57.03 13.61 4.54 9.08 11.35 15.88 18.15 22.69 24.96 13.61	18.15

**26 Electrical**

**26 05 Common Work Results for Electrical**

**26 05 33 Raceway and Boxes for Electrical Systems**



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2636 EA 1" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	66.57	20.79
For Work In Restricted Working Space, Add	15.59	
For Elevated Installation >10' To 15', Add	5.20	
For Elevated Installation >15' To 20', Add	10.40	
For Elevated Installation >20' To 25', Add	13.00	
For Elevated Installation >25' To 30', Add	18.19	
For Elevated Installation >30' To 35', Add	20.79	
For Elevated Installation >35' To 40', Add	25.99	
For Elevated Installation >40', Add	28.59	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.59	
26 05 33 13-2637 EA 1-1/4" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	88.59	24.09
For Work In Restricted Working Space, Add	18.07	
For Elevated Installation >10' To 15', Add	6.02	
For Elevated Installation >15' To 20', Add	12.05	
For Elevated Installation >20' To 25', Add	15.06	
For Elevated Installation >25' To 30', Add	21.08	
For Elevated Installation >30' To 35', Add	24.09	
For Elevated Installation >35' To 40', Add	30.12	
For Elevated Installation >40', Add	33.13	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.07	
26 05 33 13-2638 EA 1-1/2" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	102.95	26.40
For Work In Restricted Working Space, Add	19.80	
For Elevated Installation >10' To 15', Add	6.60	
For Elevated Installation >15' To 20', Add	13.20	
For Elevated Installation >20' To 25', Add	16.50	
For Elevated Installation >25' To 30', Add	23.10	
For Elevated Installation >30' To 35', Add	26.40	
For Elevated Installation >35' To 40', Add	33.00	
For Elevated Installation >40', Add	36.30	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.80	
26 05 33 13-2639 EA 2" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	132.37	31.68
For Work In Restricted Working Space, Add	23.76	
For Elevated Installation >10' To 15', Add	7.92	
For Elevated Installation >15' To 20', Add	15.84	
For Elevated Installation >20' To 25', Add	19.80	
For Elevated Installation >25' To 30', Add	27.72	
For Elevated Installation >30' To 35', Add	31.68	
For Elevated Installation >35' To 40', Add	39.60	
For Elevated Installation >40', Add	43.56	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.76	
26 05 33 13-2640 EA 2-1/2" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	300.24	83.57
For Work In Restricted Working Space, Add	62.66	
For Elevated Installation >10' To 15', Add	20.89	
For Elevated Installation >15' To 20', Add	41.77	
For Elevated Installation >20' To 25', Add	52.21	
For Elevated Installation >25' To 30', Add	73.10	
For Elevated Installation >30' To 35', Add	83.54	
For Elevated Installation >35' To 40', Add	104.43	
For Elevated Installation >40', Add	114.87	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	62.66	
26 05 33 13-2641 EA 3" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	279.12	59.40
For Work In Restricted Working Space, Add	44.56	
For Elevated Installation >10' To 15', Add	14.85	
For Elevated Installation >15' To 20', Add	29.70	
For Elevated Installation >20' To 25', Add	37.13	
For Elevated Installation >25' To 30', Add	51.98	
For Elevated Installation >30' To 35', Add	59.41	
For Elevated Installation >35' To 40', Add	74.26	
For Elevated Installation >40', Add	81.69	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	44.56	
26 05 33 13-2642 EA 3-1/2" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	444.63	74.25
For Work In Restricted Working Space, Add	55.69	
For Elevated Installation >10' To 15', Add	18.56	
For Elevated Installation >15' To 20', Add	37.13	
For Elevated Installation >20' To 25', Add	46.41	
For Elevated Installation >25' To 30', Add	64.97	
For Elevated Installation >30' To 35', Add	74.25	
For Elevated Installation >35' To 40', Add	92.82	
For Elevated Installation >40', Add	102.10	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	55.69	
26 05 33 13-2643 EA 4" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	520.43	90.43
For Work In Restricted Working Space, Add	67.82	
For Elevated Installation >10' To 15', Add	22.61	
For Elevated Installation >15' To 20', Add	45.21	
For Elevated Installation >20' To 25', Add	56.51	
For Elevated Installation >25' To 30', Add	79.12	
For Elevated Installation >30' To 35', Add	90.42	
For Elevated Installation >35' To 40', Add	113.03	
For Elevated Installation >40', Add	124.33	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	67.82	

26 05 33 13-2644 Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover (26 05 33 13-2599)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2645 EA 1/2" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover .....	65.96	20.79
For Work In Restricted Working Space, Add	15.59	
For Elevated Installation >10' To 15', Add	5.20	
For Elevated Installation >15' To 20', Add	10.40	
For Elevated Installation >20' To 25', Add	13.00	
For Elevated Installation >25' To 30', Add	18.19	
For Elevated Installation >30' To 35', Add	20.79	
For Elevated Installation >35' To 40', Add	25.99	
For Elevated Installation >40', Add	28.59	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.59	
26 05 33 13-2646 EA 3/4" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover .....	72.26	23.10
For Work In Restricted Working Space, Add	17.33	
For Elevated Installation >10' To 15', Add	5.78	
For Elevated Installation >15' To 20', Add	11.55	
For Elevated Installation >20' To 25', Add	14.44	
For Elevated Installation >25' To 30', Add	20.22	
For Elevated Installation >30' To 35', Add	23.10	
For Elevated Installation >35' To 40', Add	28.88	
For Elevated Installation >40', Add	31.77	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.33	
26 05 33 13-2647 EA 1" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover .....	83.43	25.41
For Work In Restricted Working Space, Add	19.06	
For Elevated Installation >10' To 15', Add	6.35	
For Elevated Installation >15' To 20', Add	12.71	
For Elevated Installation >20' To 25', Add	15.88	
For Elevated Installation >25' To 30', Add	22.24	
For Elevated Installation >30' To 35', Add	25.41	
For Elevated Installation >35' To 40', Add	31.77	
For Elevated Installation >40', Add	34.94	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.06	
26 05 33 13-2648 EA 1-1/4" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover .....	98.88	29.04
For Work In Restricted Working Space, Add	21.78	
For Elevated Installation >10' To 15', Add	7.26	
For Elevated Installation >15' To 20', Add	14.52	
For Elevated Installation >20' To 25', Add	18.15	
For Elevated Installation >25' To 30', Add	25.41	
For Elevated Installation >30' To 35', Add	29.04	
For Elevated Installation >35' To 40', Add	36.31	
For Elevated Installation >40', Add	39.94	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	21.78	
26 05 33 13-2649 EA 1-1/2" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover .....	113.48	31.68
For Work In Restricted Working Space, Add	23.76	
For Elevated Installation >10' To 15', Add	7.92	
For Elevated Installation >15' To 20', Add	15.84	
For Elevated Installation >20' To 25', Add	19.80	
For Elevated Installation >25' To 30', Add	27.72	
For Elevated Installation >30' To 35', Add	31.68	
For Elevated Installation >35' To 40', Add	39.60	
For Elevated Installation >40', Add	43.56	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.76	
26 05 33 13-2650 EA 2" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover .....	157.02	38.94
For Work In Restricted Working Space, Add	29.21	
For Elevated Installation >10' To 15', Add	9.74	
For Elevated Installation >15' To 20', Add	19.47	
For Elevated Installation >20' To 25', Add	24.34	
For Elevated Installation >25' To 30', Add	34.07	
For Elevated Installation >30' To 35', Add	38.94	
For Elevated Installation >35' To 40', Add	48.68	
For Elevated Installation >40', Add	53.54	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	29.21	
26 05 33 13-2651 EA 2-1/2" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover .....	249.28	57.09
For Work In Restricted Working Space, Add	42.82	
For Elevated Installation >10' To 15', Add	14.27	
For Elevated Installation >15' To 20', Add	28.55	
For Elevated Installation >20' To 25', Add	35.69	
For Elevated Installation >25' To 30', Add	49.96	
For Elevated Installation >30' To 35', Add	57.10	
For Elevated Installation >35' To 40', Add	71.37	
For Elevated Installation >40', Add	78.51	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	42.82	
26 05 33 13-2652 EA 3" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover .....	362.68	74.25
For Work In Restricted Working Space, Add	55.69	
For Elevated Installation >10' To 15', Add	18.56	
For Elevated Installation >15' To 20', Add	37.13	
For Elevated Installation >20' To 25', Add	46.41	
For Elevated Installation >25' To 30', Add	64.97	
For Elevated Installation >30' To 35', Add	74.25	
For Elevated Installation >35' To 40', Add	92.82	
For Elevated Installation >40', Add	102.10	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	55.69	

**26 Electrical**

**26 05 Common Work Results for Electrical**

**26 05 33 Raceway and Boxes for Electrical Systems**



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2653 EA 3-1/2" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover .....	535.53	91.74
For Work In Restricted Working Space, Add	68.81	
For Elevated Installation >10' To 15', Add	22.94	
For Elevated Installation >15' To 20', Add	45.87	
For Elevated Installation >20' To 25', Add	57.34	
For Elevated Installation >25' To 30', Add	80.28	
For Elevated Installation >30' To 35', Add	91.74	
For Elevated Installation >35' To 40', Add	114.68	
For Elevated Installation >40', Add	126.15	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	68.81	
26 05 33 13-2654 EA 4" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover .....	600.63	110.23
For Work In Restricted Working Space, Add	82.67	
For Elevated Installation >10' To 15', Add	27.56	
For Elevated Installation >15' To 20', Add	55.11	
For Elevated Installation >20' To 25', Add	68.89	
For Elevated Installation >25' To 30', Add	96.45	
For Elevated Installation >30' To 35', Add	110.22	
For Elevated Installation >35' To 40', Add	137.78	
For Elevated Installation >40', Add	151.56	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	82.67	
<b>26 05 33 13-2655 Set Screw, Cast Aluminum Conduit Body</b> <small>(26 05 33 13-2642)</small>		
Note: For use with Electrical Metallic Tubing (EMT)		
<b>26 05 33 13-2656 Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover</b> <small>(26 05 33 13-2655)</small>		
26 05 33 13-2657 EA 1/2" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover .....	22.30	6.27
For Work In Restricted Working Space, Add	4.70	
For Elevated Installation >10' To 15', Add	1.57	
For Elevated Installation >15' To 20', Add	3.13	
For Elevated Installation >20' To 25', Add	3.92	
For Elevated Installation >25' To 30', Add	5.48	
For Elevated Installation >30' To 35', Add	6.27	
For Elevated Installation >35' To 40', Add	7.84	
For Elevated Installation >40', Add	8.62	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.70	
26 05 33 13-2658 EA 3/4" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover .....	28.60	8.25
For Work In Restricted Working Space, Add	6.19	
For Elevated Installation >10' To 15', Add	2.06	
For Elevated Installation >15' To 20', Add	4.13	
For Elevated Installation >20' To 25', Add	5.16	
For Elevated Installation >25' To 30', Add	7.22	
For Elevated Installation >30' To 35', Add	8.25	
For Elevated Installation >35' To 40', Add	10.32	
For Elevated Installation >40', Add	11.35	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.19	
26 05 33 13-2659 EA 1" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover .....	38.44	10.23
For Work In Restricted Working Space, Add	7.67	
For Elevated Installation >10' To 15', Add	2.56	
For Elevated Installation >15' To 20', Add	5.12	
For Elevated Installation >20' To 25', Add	6.40	
For Elevated Installation >25' To 30', Add	8.95	
For Elevated Installation >30' To 35', Add	10.23	
For Elevated Installation >35' To 40', Add	12.79	
For Elevated Installation >40', Add	14.07	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.67	
26 05 33 13-2660 EA 1-1/4" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover .....	49.65	12.54
For Work In Restricted Working Space, Add	9.41	
For Elevated Installation >10' To 15', Add	3.14	
For Elevated Installation >15' To 20', Add	6.27	
For Elevated Installation >20' To 25', Add	7.84	
For Elevated Installation >25' To 30', Add	10.97	
For Elevated Installation >30' To 35', Add	12.54	
For Elevated Installation >35' To 40', Add	15.68	
For Elevated Installation >40', Add	17.24	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.41	
26 05 33 13-2661 EA 1-1/2" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover .....	64.76	14.52
For Work In Restricted Working Space, Add	10.89	
For Elevated Installation >10' To 15', Add	3.63	
For Elevated Installation >15' To 20', Add	7.26	
For Elevated Installation >20' To 25', Add	9.08	
For Elevated Installation >25' To 30', Add	12.71	
For Elevated Installation >30' To 35', Add	14.52	
For Elevated Installation >35' To 40', Add	18.15	
For Elevated Installation >40', Add	19.97	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.89	
26 05 33 13-2662 EA 2" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover .....	85.05	16.50
For Work In Restricted Working Space, Add	12.38	
For Elevated Installation >10' To 15', Add	4.13	
For Elevated Installation >15' To 20', Add	8.25	
For Elevated Installation >20' To 25', Add	10.31	
For Elevated Installation >25' To 30', Add	14.44	
For Elevated Installation >30' To 35', Add	16.50	
For Elevated Installation >35' To 40', Add	20.63	
For Elevated Installation >40', Add	22.69	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.38	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>26 05 33 13-2663    Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover</b> <small>(26 05 33 13-2655)</small>		
26 05 33 13-2664    EA    1/2" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover .....	22.48	6.27
For Work In Restricted Working Space, Add	4.70	
For Elevated Installation >10' To 15', Add	1.57	
For Elevated Installation >15' To 20', Add	3.13	
For Elevated Installation >20' To 25', Add	3.92	
For Elevated Installation >25' To 30', Add	5.48	
For Elevated Installation >30' To 35', Add	6.27	
For Elevated Installation >35' To 40', Add	7.84	
For Elevated Installation >40', Add	8.62	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.70	
26 05 33 13-2665    EA    3/4" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover .....	29.30	8.25
For Work In Restricted Working Space, Add	6.19	
For Elevated Installation >10' To 15', Add	2.06	
For Elevated Installation >15' To 20', Add	4.13	
For Elevated Installation >20' To 25', Add	5.16	
For Elevated Installation >25' To 30', Add	7.22	
For Elevated Installation >30' To 35', Add	8.25	
For Elevated Installation >35' To 40', Add	10.32	
For Elevated Installation >40', Add	11.35	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.19	
26 05 33 13-2666    EA    1" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover .....	36.01	10.23
For Work In Restricted Working Space, Add	7.67	
For Elevated Installation >10' To 15', Add	2.56	
For Elevated Installation >15' To 20', Add	5.12	
For Elevated Installation >20' To 25', Add	6.40	
For Elevated Installation >25' To 30', Add	8.95	
For Elevated Installation >30' To 35', Add	10.23	
For Elevated Installation >35' To 40', Add	12.79	
For Elevated Installation >40', Add	14.07	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.67	
26 05 33 13-2667    EA    1-1/4" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover .....	49.44	12.54
For Work In Restricted Working Space, Add	9.41	
For Elevated Installation >10' To 15', Add	3.14	
For Elevated Installation >15' To 20', Add	6.27	
For Elevated Installation >20' To 25', Add	7.84	
For Elevated Installation >25' To 30', Add	10.97	
For Elevated Installation >30' To 35', Add	12.54	
For Elevated Installation >35' To 40', Add	15.68	
For Elevated Installation >40', Add	17.24	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.41	
26 05 33 13-2668    EA    1-1/2" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover .....	60.71	14.52
For Work In Restricted Working Space, Add	10.89	
For Elevated Installation >10' To 15', Add	3.63	
For Elevated Installation >15' To 20', Add	7.26	
For Elevated Installation >20' To 25', Add	9.08	
For Elevated Installation >25' To 30', Add	12.71	
For Elevated Installation >30' To 35', Add	14.52	
For Elevated Installation >35' To 40', Add	18.15	
For Elevated Installation >40', Add	19.97	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.89	
26 05 33 13-2669    EA    2" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover .....	84.70	16.50
For Work In Restricted Working Space, Add	12.38	
For Elevated Installation >10' To 15', Add	4.13	
For Elevated Installation >15' To 20', Add	8.25	
For Elevated Installation >20' To 25', Add	10.31	
For Elevated Installation >25' To 30', Add	14.44	
For Elevated Installation >30' To 35', Add	16.50	
For Elevated Installation >35' To 40', Add	20.63	
For Elevated Installation >40', Add	22.69	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.38	
<b>26 05 33 13-2670    Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover</b> <small>(26 05 33 13-2655)</small>		
26 05 33 13-2671    EA    1/2" Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover .....	28.98	8.25
For Work In Restricted Working Space, Add	6.19	
For Elevated Installation >10' To 15', Add	2.06	
For Elevated Installation >15' To 20', Add	4.13	
For Elevated Installation >20' To 25', Add	5.16	
For Elevated Installation >25' To 30', Add	7.22	
For Elevated Installation >30' To 35', Add	8.25	
For Elevated Installation >35' To 40', Add	10.32	
For Elevated Installation >40', Add	11.35	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.19	

**26 Electrical**

**26 05 Common Work Results for Electrical**

**26 05 33 Raceway and Boxes for Electrical Systems**



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2672 EA 3/4" Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover.....	37.61	10.23
For Work In Restricted Working Space, Add	7.67	
For Elevated Installation >10' To 15', Add	2.56	
For Elevated Installation >15' To 20', Add	5.12	
For Elevated Installation >20' To 25', Add	6.40	
For Elevated Installation >25' To 30', Add	8.95	
For Elevated Installation >30' To 35', Add	10.23	
For Elevated Installation >35' To 40', Add	12.79	
For Elevated Installation >40', Add	14.07	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.67	
26 05 33 13-2673 EA 1" Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover.....	45.41	12.54
For Work In Restricted Working Space, Add	9.41	
For Elevated Installation >10' To 15', Add	3.14	
For Elevated Installation >15' To 20', Add	6.27	
For Elevated Installation >20' To 25', Add	7.84	
For Elevated Installation >25' To 30', Add	10.97	
For Elevated Installation >30' To 35', Add	12.54	
For Elevated Installation >35' To 40', Add	15.68	
For Elevated Installation >40', Add	17.24	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.41	
26 05 33 13-2674 EA 1-1/4" Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover.....	62.22	14.52
For Work In Restricted Working Space, Add	11.39	
For Elevated Installation >10' To 15', Add	3.80	
For Elevated Installation >15' To 20', Add	7.59	
For Elevated Installation >20' To 25', Add	9.49	
For Elevated Installation >25' To 30', Add	13.28	
For Elevated Installation >30' To 35', Add	15.18	
For Elevated Installation >35' To 40', Add	18.98	
For Elevated Installation >40', Add	20.87	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.39	
26 05 33 13-2675 EA 1-1/2" Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover.....	79.34	16.50
For Work In Restricted Working Space, Add	13.37	
For Elevated Installation >10' To 15', Add	4.46	
For Elevated Installation >15' To 20', Add	8.91	
For Elevated Installation >20' To 25', Add	11.14	
For Elevated Installation >25' To 30', Add	15.59	
For Elevated Installation >30' To 35', Add	17.82	
For Elevated Installation >35' To 40', Add	22.28	
For Elevated Installation >40', Add	24.50	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.37	
26 05 33 13-2676 EA 2" Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover.....	105.82	18.48
For Work In Restricted Working Space, Add	15.35	
For Elevated Installation >10' To 15', Add	5.12	
For Elevated Installation >15' To 20', Add	10.23	
For Elevated Installation >20' To 25', Add	12.79	
For Elevated Installation >25' To 30', Add	17.90	
For Elevated Installation >30' To 35', Add	20.46	
For Elevated Installation >35' To 40', Add	25.58	
For Elevated Installation >40', Add	28.13	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	15.35	
<b>26 05 33 13-2677 Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover (26 05</b>		
<small>33 13-2655)</small>		
26 05 33 13-2678 EA 1/2" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover.....	23.08	6.27
For Work In Restricted Working Space, Add	4.70	
For Elevated Installation >10' To 15', Add	1.57	
For Elevated Installation >15' To 20', Add	3.13	
For Elevated Installation >20' To 25', Add	3.92	
For Elevated Installation >25' To 30', Add	5.48	
For Elevated Installation >30' To 35', Add	6.27	
For Elevated Installation >35' To 40', Add	7.84	
For Elevated Installation >40', Add	8.62	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.70	
26 05 33 13-2679 EA 3/4" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover.....	30.85	8.25
For Work In Restricted Working Space, Add	6.19	
For Elevated Installation >10' To 15', Add	2.06	
For Elevated Installation >15' To 20', Add	4.13	
For Elevated Installation >20' To 25', Add	5.16	
For Elevated Installation >25' To 30', Add	7.22	
For Elevated Installation >30' To 35', Add	8.25	
For Elevated Installation >35' To 40', Add	10.32	
For Elevated Installation >40', Add	11.35	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.19	
26 05 33 13-2680 EA 1" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover.....	39.33	10.23
For Work In Restricted Working Space, Add	7.67	
For Elevated Installation >10' To 15', Add	2.56	
For Elevated Installation >15' To 20', Add	5.12	
For Elevated Installation >20' To 25', Add	6.40	
For Elevated Installation >25' To 30', Add	8.95	
For Elevated Installation >30' To 35', Add	10.23	
For Elevated Installation >35' To 40', Add	12.79	
For Elevated Installation >40', Add	14.07	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.67	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2681 EA 1-1/4" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover.....	50.70	12.54
<i>For Work In Restricted Working Space, Add</i>	9.41	
<i>For Elevated Installation &gt;10' To 15', Add</i>	3.14	
<i>For Elevated Installation &gt;15' To 20', Add</i>	6.27	
<i>For Elevated Installation &gt;20' To 25', Add</i>	7.84	
<i>For Elevated Installation &gt;25' To 30', Add</i>	10.97	
<i>For Elevated Installation &gt;30' To 35', Add</i>	12.54	
<i>For Elevated Installation &gt;35' To 40', Add</i>	15.68	
<i>For Elevated Installation &gt;40', Add</i>	17.24	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.41	
26 05 33 13-2682 EA 1-1/2" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover.....	61.44	14.52
<i>For Work In Restricted Working Space, Add</i>	10.89	
<i>For Elevated Installation &gt;10' To 15', Add</i>	3.63	
<i>For Elevated Installation &gt;15' To 20', Add</i>	7.26	
<i>For Elevated Installation &gt;20' To 25', Add</i>	9.08	
<i>For Elevated Installation &gt;25' To 30', Add</i>	12.71	
<i>For Elevated Installation &gt;30' To 35', Add</i>	14.52	
<i>For Elevated Installation &gt;35' To 40', Add</i>	18.15	
<i>For Elevated Installation &gt;40', Add</i>	19.97	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.89	
26 05 33 13-2683 EA 2" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover.....	91.45	16.50
<i>For Work In Restricted Working Space, Add</i>	12.38	
<i>For Elevated Installation &gt;10' To 15', Add</i>	4.13	
<i>For Elevated Installation &gt;15' To 20', Add</i>	8.25	
<i>For Elevated Installation &gt;20' To 25', Add</i>	10.31	
<i>For Elevated Installation &gt;25' To 30', Add</i>	14.44	
<i>For Elevated Installation &gt;30' To 35', Add</i>	16.50	
<i>For Elevated Installation &gt;35' To 40', Add</i>	20.63	
<i>For Elevated Installation &gt;40', Add</i>	22.69	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.38	
<b>26 05 33 13-2684 Aluminum Type LB Telecommunications Conduit Bodies With Cover (Smart Pathways) <small>(26 05 33 13-2542)</small></b>		
26 05 33 13-2685 EA 3/4" To 1-1/4" Aluminum Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB120).....	145.67	18.07
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.56	
26 05 33 13-2686 EA 1-1/2" To 2-1/2" Aluminum Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB250).....	577.51	33.41
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.07	
26 05 33 13-2687 EA 3" To 4" Aluminum Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB400).....	1,107.49	67.82
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	50.87	
<b>26 05 33 13-2688 Replacement Covers And Gaskets For Conduit Body <small>(26 05 33 13-2542)</small></b>		
<b>26 05 33 13-2689 Replacement Stamped Aluminum Conduit Body Cover <small>(26 05 33 13-2688)</small></b>		
26 05 33 13-2690 EA 1/2" Replacement Stamped Aluminum Conduit Body Cover.....	8.30	3.22
26 05 33 13-2691 EA 3/4" Replacement Stamped Aluminum Conduit Body Cover.....	10.12	3.75
26 05 33 13-2692 EA 1" Replacement Stamped Aluminum Conduit Body Cover.....	12.96	4.83
26 05 33 13-2693 EA 1-1/4" Replacement Stamped Aluminum Conduit Body Cover.....	15.79	5.90
26 05 33 13-2694 EA 1-1/2" Replacement Stamped Aluminum Conduit Body Cover.....	19.35	6.97
26 05 33 13-2695 EA 2" Replacement Stamped Aluminum Conduit Body Cover.....	22.88	8.05
26 05 33 13-2696 EA 2-1/2" Replacement Stamped Aluminum Conduit Body Cover.....	29.99	9.12
26 05 33 13-2697 EA 3" Replacement Stamped Aluminum Conduit Body Cover.....	39.06	12.87
26 05 33 13-2698 EA 3-1/2" Replacement Stamped Aluminum Conduit Body Cover.....	42.43	14.48
26 05 33 13-2699 EA 4" Replacement Stamped Aluminum Conduit Body Cover.....	53.44	18.23
<b>26 05 33 13-2700 Replacement Cast Steel Conduit Body Cover <small>(26 05 33 13-2688)</small></b>		
26 05 33 13-2701 EA 1/2" Replacement Cast Steel Conduit Body Cover.....	9.57	3.22
26 05 33 13-2702 EA 3/4" Replacement Cast Steel Conduit Body Cover.....	11.23	3.75
26 05 33 13-2703 EA 1" Replacement Cast Steel Conduit Body Cover.....	15.69	4.83
26 05 33 13-2704 EA 1-1/4" Replacement Cast Steel Conduit Body Cover.....	19.49	5.90
26 05 33 13-2705 EA 1-1/2" Replacement Cast Steel Conduit Body Cover.....	23.66	6.97
26 05 33 13-2706 EA 2" Replacement Cast Steel Conduit Body Cover.....	27.81	8.05
26 05 33 13-2707 EA 2-1/2" Replacement Cast Steel Conduit Body Cover.....	31.95	9.12
26 05 33 13-2708 EA 3" Replacement Cast Steel Conduit Body Cover.....	43.68	12.87
26 05 33 13-2709 EA 3-1/2" Replacement Cast Steel Conduit Body Cover.....	49.71	14.48
26 05 33 13-2710 EA 4" Replacement Cast Steel Conduit Body Cover.....	62.65	18.23
<b>26 05 33 13-2711 Replacement Velbuna Composition Conduit Body Gasket <small>(26 05 33 13-2688)</small></b>		
26 05 33 13-2712 EA 1/2" Replacement Velbuna Composition Conduit Body Gasket.....	7.73	3.22
26 05 33 13-2713 EA 3/4" Replacement Velbuna Composition Conduit Body Gasket.....	8.85	3.75
26 05 33 13-2714 EA 1" Replacement Velbuna Composition Conduit Body Gasket.....	11.54	4.83
26 05 33 13-2715 EA 1-1/4" Replacement Velbuna Composition Conduit Body Gasket.....	14.93	5.90
26 05 33 13-2716 EA 1-1/2" Replacement Velbuna Composition Conduit Body Gasket.....	17.08	6.97
26 05 33 13-2717 EA 2" Replacement Velbuna Composition Conduit Body Gasket.....	20.26	8.05
26 05 33 13-2718 EA 2-1/2" Replacement Velbuna Composition Conduit Body Gasket.....	26.40	9.12
26 05 33 13-2719 EA 3" Replacement Velbuna Composition Conduit Body Gasket.....	34.57	12.87
26 05 33 13-2720 EA 3-1/2" Replacement Velbuna Composition Conduit Body Gasket.....	38.18	14.48
26 05 33 13-2721 EA 4" Replacement Velbuna Composition Conduit Body Gasket.....	45.60	18.23

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-2722		<b>Replacement Neoprene Conduit Body Gasket</b> (26 05 33 13-2688)		
26 05 33	13-2723	EA	1/2" Replacement Neoprene Conduit Body Gasket.....	8.61	3.22
26 05 33	13-2724	EA	3/4" Replacement Neoprene Conduit Body Gasket.....	9.69	3.75
26 05 33	13-2725	EA	1" Replacement Neoprene Conduit Body Gasket.....	12.65	4.83
26 05 33	13-2726	EA	1-1/4" Replacement Neoprene Conduit Body Gasket.....	15.49	5.90
26 05 33	13-2727	EA	1-1/2" Replacement Neoprene Conduit Body Gasket.....	17.64	6.97
26 05 33	13-2728	EA	2" Replacement Neoprene Conduit Body Gasket.....	20.32	8.05
26 05 33	13-2729	EA	2-1/2" Replacement Neoprene Conduit Body Gasket.....	26.54	9.12
26 05 33	13-2730	EA	3" Replacement Neoprene Conduit Body Gasket.....	34.71	12.87
26 05 33	13-2731	EA	3-1/2" Replacement Neoprene Conduit Body Gasket.....	39.13	14.48
26 05 33	13-2732	EA	4" Replacement Neoprene Conduit Body Gasket.....	46.55	18.23
26 05 33	16		<b>Boxes for Electrical Systems</b> (26 05 33)		
			See CSI section 26 27 16 00-0000 for larger junction boxes and enclosures.		
26 05 33	16-0001		<b>Steel Junction, Device, And Fixture Boxes, Rings And Covers</b> (26 05 33 16)		
			Note: Thin wall metal. See CSI section 26 27 26 00-0003 for steel box/receptacle assemblies, 26 27 26 00-0128 for steel box/switch assemblies.		
26 05 33	16-0002		<b>4" Square Steel Boxes, Rings And Covers</b> (26 05 33 16-0001)		
26 05 33	16-0003	EA	1-1/2" Depth, 4" Square Steel Box.....	30.93	13.55
			For Stud Bracket, Add.....	0.94	
26 05 33	16-0004	EA	2-1/8" Depth, 4" Square Steel Box.....	32.67	13.55
			For Stud Bracket, Add.....	1.69	
26 05 33	16-0005	EA	3-1/2" Depth, 4" Square Steel Box.....	38.64	13.55
			For Stud Bracket, Add.....	1.84	
26 05 33	16-0006	EA	1-1/2" Depth, 4" Square Steel Extension Ring.....	26.57	9.04
26 05 33	16-0007	EA	2-1/8" Depth, 4" Square Steel Extension Ring.....	20.53	9.04
26 05 33	16-0008	EA	1/2" Depth, 1 Gang, 4" Square Steel Mud Ring.....	10.86	4.51
26 05 33	16-0009	EA	5/8" Depth, 1 Gang, 4" Square Steel Mud Ring.....	11.14	4.51
26 05 33	16-0010	EA	3/4" Depth, 1 Gang, 4" Square Steel Mud Ring.....	11.34	4.51
26 05 33	16-0011	EA	1" Depth, 1 Gang, 4" Square Steel Mud Ring.....	11.99	4.51
26 05 33	16-0012	EA	1-1/4" Depth, 1 Gang, 4" Square Steel Mud Ring.....	12.18	4.51
26 05 33	16-0013	EA	1-1/2" Depth, 1 Gang, 4" Square Steel Mud Ring.....	14.25	4.51
26 05 33	16-0014	EA	1/2" Depth, 2 Gang, 4" Square Steel Mud Ring.....	11.65	4.51
26 05 33	16-0015	EA	5/8" Depth, 2 Gang, 4" Square Steel Mud Ring.....	11.85	4.51
26 05 33	16-0016	EA	3/4" Depth, 2 Gang, 4" Square Steel Mud Ring.....	12.09	4.51
26 05 33	16-0017	EA	1" Depth, 2 Gang, 4" Square Steel Mud Ring.....	14.21	4.51
26 05 33	16-0018	EA	1-1/4" Depth, 2 Gang, 4" Square Steel Mud Ring.....	14.64	4.51
26 05 33	16-0019	EA	1-1/2" Depth, 2 Gang, 4" Square Steel Mud Ring.....	17.33	4.51
26 05 33	16-0020	EA	3/4" Depth, Fixture Cover, 4" Square Mud Rings.....	12.68	4.51
26 05 33	16-0021	EA	1" Depth, Fixture Cover, 4" Square Mud Rings.....	14.39	4.51
26 05 33	16-0022	EA	One Toggle Switch, 4" Square Steel Exposed Work Cover.....	11.62	4.51
26 05 33	16-0023	EA	Two Toggle Switches, 4" Square Steel Exposed Work Cover.....	11.78	4.51
26 05 33	16-0024	EA	One Duplex Receptacle, 4" Square Steel Exposed Work Cover.....	11.58	4.51
26 05 33	16-0025	EA	Two Duplex Receptacles, 4" Square Steel Exposed Work Cover.....	12.03	4.51
26 05 33	16-0026	EA	One Toggle Switch And One Duplex Receptacle, 4" Square Steel Exposed Work Cover.....	12.42	4.51
26 05 33	16-0027	EA	One Toggle Switch And One 1.406" Diameter Receptacle, 4" Square Steel Exposed Work Cover.....	17.15	4.51
26 05 33	16-0028	EA	One 1.406" Diameter Receptacle, 4" Square Steel Exposed Work Cover.....	12.35	4.51
26 05 33	16-0029	EA	Two 1.406" Diameter Receptacles, 4" Square Steel Exposed Work Cover.....	17.15	4.51
26 05 33	16-0030	EA	One 1.620" Diameter Receptacle, 4" Square Steel Exposed Work Cover.....	12.35	4.51
26 05 33	16-0031	EA	One 1.719" Diameter Receptacle, 4" Square Steel Exposed Work Cover.....	13.46	4.51
26 05 33	16-0032	EA	One 2.165" Diameter Receptacle, 4" Square Steel Exposed Work Cover.....	17.15	4.51
26 05 33	16-0033	EA	One 2.480" Diameter Receptacle, 4" Square Steel Exposed Work Cover.....	17.15	4.51
26 05 33	16-0034	EA	Flat, 4" Square Steel Exposed Work Cover.....	10.27	4.51
26 05 33	16-0035		<b>4-11/16" Square Steel Boxes, Rings And Covers</b> (26 05 33 16-0001)		
26 05 33	16-0036	EA	1-1/2" Depth, 4-11/16" Square Steel Box.....	37.37	13.55
26 05 33	16-0037	EA	2-1/8" Depth, 4-11/16" Square Steel Box.....	33.43	13.55
			For Stud Bracket, Add.....	0.88	
26 05 33	16-0038	EA	3-1/4" Depth, 4-11/16" Square Steel Box.....	53.19	13.55
26 05 33	16-0039	EA	1-1/2" Depth, 4-11/16" Square Extension Ring.....	28.22	9.04
26 05 33	16-0040	EA	2-1/8" Depth, 4-11/16" Square Extension Ring.....	29.18	9.04
26 05 33	16-0041	EA	1/2" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring.....	14.80	4.51
26 05 33	16-0042	EA	5/8" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring.....	14.84	4.51
26 05 33	16-0043	EA	3/4" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring.....	16.52	4.51
26 05 33	16-0044	EA	1" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring.....	15.85	4.51
26 05 33	16-0045	EA	1-1/4" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring.....	15.70	4.51
26 05 33	16-0046	EA	1-1/2" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring.....	22.68	4.51
26 05 33	16-0047	EA	1/2" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring.....	16.14	4.51
26 05 33	16-0048	EA	5/8" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring.....	16.50	4.51
26 05 33	16-0049	EA	3/4" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring.....	16.52	4.51
26 05 33	16-0050	EA	1" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring.....	18.99	4.51
26 05 33	16-0051	EA	1-1/4" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring.....	19.51	4.51
26 05 33	16-0052	EA	1-1/2" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring.....	25.48	4.51
26 05 33	16-0053	EA	1/2" Depth, Fixture Cover, 4-11/16" Square Steel Mud Ring.....	15.81	4.51
26 05 33	16-0054	EA	5/8" Depth, Fixture Cover, 4-11/16" Square Steel Mud Ring.....	15.99	4.51
26 05 33	16-0055	EA	One Toggle Switch, 4-11/16" Square Steel Exposed Work Cover.....	20.61	4.51
26 05 33	16-0056	EA	Two Toggle Switches, 4-11/16" Square Steel Exposed Work Cover.....	21.92	4.51
26 05 33	16-0057	EA	One Duplex Receptacle, 4-11/16" Square Steel Exposed Work Cover.....	20.23	4.51



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0058 EA Two Duplex Receptacles, 4-11/16" Square Steel Exposed Work Cover .....	18.82	4.51
26 05 33 16-0059 EA One Toggle Switch And One Duplex Receptacle, 4-11/16" Square Steel Exposed Work Cover.....	23.55	4.51
26 05 33 16-0060 EA One 1.594" Diameter Receptacle, 4-11/16" Square Steel Exposed Work Cover.....	21.90	4.51
26 05 33 16-0061 EA One 2.141" Diameter Receptacle, 4-11/16" Square Steel Exposed Work Cover.....	21.90	4.51
26 05 33 16-0062 EA One 2.625" Diameter Receptacle, 4-11/16" Square Steel Exposed Work Cover.....	21.90	4.51
26 05 33 16-0063 EA Flat, 4-11/16" Square Steel Exposed Work Cover.....	11.33	4.51
<b>26 05 33 16-0064 Steel Square Box Brackets (26 05 33 16-0001)</b>		
26 05 33 16-0065 EA 16" Or 24" Width Box Bracket, For Multiple 1-1/2" And 2-1/8" Deep Boxes.....	15.34	6.78
26 05 33 16-0066 EA Single Box Bracket, One 4" Or 4-11/16" Square Box .....	11.78	4.52
26 05 33 16-0067 EA 16" Box Bracket, Up To Three 4" Or 4-11/16" Square Boxes .....	19.54	6.78
26 05 33 16-0068 EA 24" Box Bracket, Up To Four 4" Or 4-11/16" Square Boxes .....	21.69	6.78
<b>26 05 33 16-0069 4" Octagon Steel Boxes And Covers (26 05 33 16-0001)</b>		
26 05 33 16-0070 EA 1-1/2" Depth, 4" Steel Octagon Box.....	25.71	11.29
<i>For Stud Bracket, Add</i>	2.28	
26 05 33 16-0071 EA 2-1/8" Depth, 4" Steel Octagon Box.....	27.24	11.29
26 05 33 16-0072 EA Flat, 4" Octagon Steel Exposed Work Cover .....	10.17	4.51
<b>26 05 33 16-0073 4" Steel Octagonal Concrete Rings And Steel Covers (26 05 33 16-0001)</b>		
Note: Placed in concrete slabs or walls.		
26 05 33 16-0074 EA 2" Depth, 4" Steel Octagonal Concrete Ring .....	43.01	
26 05 33 16-0075 EA 2-1/2" Depth, 4" Steel Octagonal Concrete Ring .....	45.94	
26 05 33 16-0076 EA 3" Depth, 4" Steel Octagonal Concrete Ring .....	48.04	
26 05 33 16-0077 EA 3-1/2" Depth, 4" Steel Octagonal Concrete Ring .....	50.06	
26 05 33 16-0078 EA 4" Depth, 4" Steel Octagonal Concrete Ring .....	56.05	
26 05 33 16-0079 EA 5" Depth, 4" Steel Octagonal Concrete Ring .....	62.31	
26 05 33 16-0080 EA 6" Depth, 4" Steel Octagonal Concrete Ring .....	66.91	
26 05 33 16-0081 EA Flat, 4" Steel Octagonal Concrete Cover .....	12.26	4.51
<b>26 05 33 16-0082 4-1/2" Steel Gang Boxes (26 05 33 16-0001)</b>		
26 05 33 16-0083 EA 2 Device, 1-5/8" Depth, 4-1/2" Steel Gang Box .....	47.26	11.29
26 05 33 16-0084 EA 3 Device, 1-5/8" Depth, 4-1/2" Steel Gang Box .....	52.22	12.20
26 05 33 16-0085 EA 4 Device, 1-5/8" Depth, 4-1/2" Steel Gang Box .....	64.34	13.55
26 05 33 16-0086 EA 5 Device, 1-5/8" Depth, 4-1/2" Steel Gang Box .....	87.88	14.90
26 05 33 16-0087 EA 6 Device, 1-5/8" Depth, 4-1/2" Steel Gang Box .....	138.55	16.26
26 05 33 16-0088 EA 2 Device, 2-1/2" Depth, 4-1/2" Steel Gang Box .....	70.76	11.29
26 05 33 16-0089 EA 3 Device, 2-1/2" Depth, 4-1/2" Steel Gang Box .....	77.25	12.20
26 05 33 16-0090 EA 4 Device, 2-1/2" Depth, 4-1/2" Steel Gang Box .....	106.63	13.55
26 05 33 16-0091 EA 5 Device, 2-1/2" Depth, 4-1/2" Steel Gang Box .....	140.46	14.90
26 05 33 16-0092 EA 6 Device, 2-1/2" Depth, 4-1/2" Steel Gang Box .....	242.50	16.26
26 05 33 16-0093 EA 2 Device, Gang Box Mud Ring.....	21.26	4.51
26 05 33 16-0094 EA 3 Device, Gang Box Mud Ring.....	21.66	4.51
26 05 33 16-0095 EA 4 Device, Gang Box Mud Ring.....	26.19	4.51
26 05 33 16-0096 EA 5 Device, Gang Box Mud Ring.....	33.97	4.51
26 05 33 16-0097 EA 6 Device, Gang Box Mud Ring.....	51.05	4.51
26 05 33 16-0098 EA 2 Device, Gang Box Flat Cover .....	17.37	4.51
26 05 33 16-0099 EA 3 Device, Gang Box Flat Cover .....	21.61	4.51
26 05 33 16-0100 EA 4 Device, Gang Box Flat Cover .....	27.24	4.51
26 05 33 16-0101 EA 5 Device, Gang Box Flat Cover .....	34.41	4.51
26 05 33 16-0102 EA 6 Device, Gang Box Flat Cover .....	52.25	4.51
<b>26 05 33 16-0103 Steel Switch Boxes (26 05 33 16-0001)</b>		
26 05 33 16-0104 EA 2-1/2" Depth, 3" x 2", Stud Bracket, Steel Switch Box .....	28.65	11.29
26 05 33 16-0105 EA 2-3/4" Depth, 3" x 2", Stud Bracket, Steel Switch Box .....	29.30	11.29
26 05 33 16-0106 EA 3-1/2" Depth, 3" x 2", Stud Bracket, Steel Switch Box .....	32.70	11.29
26 05 33 16-0107 EA 2-1/2" Depth, 2 Device, Stud Bracket, Steel Box .....	40.32	11.29
26 05 33 16-0108 EA 2-1/2" Depth, 3 Device, Stud Bracket, Steel Box .....	40.98	11.29
26 05 33 16-0109 EA 2-1/2" Depth, 4 Device, Stud Bracket, Steel Box .....	51.31	11.29
<b>26 05 33 16-0110 4" x 2" Steel Handy Boxes, Extension Rings And Covers (26 05 33 16-0001)</b>		
26 05 33 16-0111 EA 1-1/2" Deep, 4" x 2" Steel Handy Box.....	25.55	11.29
<i>For Stud Bracket, Add</i>	3.67	
26 05 33 16-0112 EA 1-7/8" Deep, 4" x 2" Steel Handy Box.....	26.25	11.29
<i>For Stud Bracket, Add</i>	1.58	
26 05 33 16-0113 EA 2-1/8" Deep, 4" x 2" Steel Handy Box.....	27.81	11.29
<i>For Stud Bracket, Add</i>	2.15	
26 05 33 16-0114 EA 1-1/2" Deep, 4" x 2" Steel Handy Box Extension Ring.....	17.81	6.77
26 05 33 16-0115 EA 1-7/8" Deep, 4" x 2" Steel Handy Box Extension Ring.....	17.11	6.77
26 05 33 16-0116 EA GFI Receptacle, 2" x 4" Steel Handy Box Exposed Work Cover .....	6.05	2.26
26 05 33 16-0117 EA 1.406" Diameter Receptacle, 4" x 2" Steel Handy Box Exposed Work Cover .....	6.18	2.26
26 05 33 16-0118 EA Duplex Receptacle, 4" x 2" Steel Handy Box Exposed Work Cover .....	5.52	2.26
26 05 33 16-0119 EA Toggle Switch, 4" x 2" Steel Handy Box Exposed Work Cover.....	5.57	2.26
26 05 33 16-0120 EA 1.594" Diameter Receptacle, 4" x 2" Steel Handy Box Exposed Work Cover .....	6.91	2.26

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0121 EA Flat, 2" x 4" Steel Handy Box Exposed Work Cover .....	5.57	2.26
<b>26 05 33 16-0122 3-1/2" Depth, 3-3/4" Steel Masonry Boxes</b> <small>(26 05 33 16-0001)</small>		
26 05 33 16-0123 EA 1 Device, 3-1/2" Depth, 3-3/4" Steel Masonry Box .....	39.88	15.81
26 05 33 16-0124 EA 2 Device, 3-1/2" Depth, 3-3/4" Steel Masonry Box .....	45.89	16.71
26 05 33 16-0125 EA 3 Device, 3-1/2" Depth, 3-3/4" Steel Masonry Box .....	54.02	18.06
26 05 33 16-0126 EA 4 Device, 3-1/2" Depth, 3-3/4" Steel Masonry Box .....	62.45	19.87
<b>26 05 33 16-0127 Cast Boxes</b> <small>(26 05 33 16)</small>		
Note: For flush or surface mount.		
<b>26 05 33 16-0128 Cast Iron Alloy Boxes</b> <small>(26 05 33 16-0127)</small>		
See CSI section 26 27 26 00-0265 for box covers.		
<b>26 05 33 16-0129 Shallow, Single Gang Cast Iron Alloy Boxes</b> <small>(26 05 33 16-0128)</small>		
Note: Up to 2" deep boxes.		
26 05 33 16-0130 EA 1/2" Depth, Type FS, Shallow, Single Gang Cast Iron Alloy Box .....	85.58	27.10
Note: One hub.		
26 05 33 16-0131 EA 3/4" Depth, Type FS, Shallow, Single Gang Cast Iron Alloy Box .....	90.52	31.61
Note: One hub.		
26 05 33 16-0132 EA 1" Depth, Type FS, Shallow, Single Gang Cast Iron Alloy Box .....	105.78	38.38
Note: One hub.		
26 05 33 16-0133 EA 1/2" Depth, Type FSC, Shallow, Single Gang Cast Iron Alloy Box .....	105.39	36.13
Note: Two hubs.		
26 05 33 16-0134 EA 3/4" Depth, Type FSC, Shallow, Single Gang Cast Iron Alloy Box .....	137.00	42.91
Note: Two hubs.		
26 05 33 16-0135 EA 1/2" Depth, Type FSL, Shallow, Single Gang Cast Iron Alloy Box .....	104.85	36.13
Note: Two hubs.		
26 05 33 16-0136 EA 3/4" Depth, Type FSL, Shallow, Single Gang Cast Iron Alloy Box .....	126.47	42.91
Note: Two hubs.		
26 05 33 16-0137 EA 1/2" Depth, Type FSR, Shallow, Single Gang Cast Iron Alloy Box .....	108.24	36.13
Note: Two hubs.		
26 05 33 16-0138 EA 3/4" Depth, Type FSR, Shallow, Single Gang Cast Iron Alloy Box .....	126.51	42.91
Note: Two hubs.		
26 05 33 16-0139 EA 1/2" Depth, Type FSS, Shallow, Single Gang Cast Iron Alloy Box .....	104.85	36.13
Note: Two hubs.		
26 05 33 16-0140 EA 3/4" Depth, Type FSS, Shallow, Single Gang Cast Iron Alloy Box .....	122.33	42.91
Note: Two hubs.		
26 05 33 16-0141 EA 1/2" Depth, Type FSCA, Shallow, Single Gang Cast Iron Alloy Box .....	123.48	45.16
Note: Three hubs.		
26 05 33 16-0142 EA 3/4" Depth, Type FSCA, Shallow, Single Gang Cast Iron Alloy Box .....	145.62	54.19
Note: Three hubs.		
26 05 33 16-0143 EA 1/2" Depth, Type FSICC, Shallow, Single Gang Cast Iron Alloy Box .....	129.98	45.16
Note: Three hubs.		
26 05 33 16-0144 EA 3/4" Depth, Type FSICC, Shallow, Single Gang Cast Iron Alloy Box .....	170.40	54.19
Note: Three hubs.		
26 05 33 16-0145 EA 1/2" Depth, Type FSCT, Shallow, Single Gang Cast Iron Alloy Box .....	134.23	45.16
Note: Three hubs.		
26 05 33 16-0146 EA 3/4" Depth, Type FSCT, Shallow, Single Gang Cast Iron Alloy Box .....	160.21	54.19
Note: Three hubs.		
26 05 33 16-0147 EA 1/2" Depth, Type FST, Shallow, Single Gang Cast Iron Alloy Box .....	122.93	45.16
Note: Three hubs.		
26 05 33 16-0148 EA 3/4" Depth, Type FST, Shallow, Single Gang Cast Iron Alloy Box .....	163.08	54.19
Note: Three hubs.		
26 05 33 16-0149 EA 1/2" Depth, Type FSX, Shallow, Single Gang Cast Iron Alloy Box .....	159.04	54.19
Note: Four hubs.		
26 05 33 16-0150 EA 3/4" Depth, Type FSX, Shallow, Single Gang Cast Iron Alloy Box .....	191.79	65.48
Note: Four hubs.		
<b>26 05 33 16-0151 Deep, Single Gang Cast Iron Alloy Boxes</b> <small>(26 05 33 16-0128)</small>		
Note: >2" deep boxes.		
26 05 33 16-0152 EA 1/2" Depth, Type FD, Deep, Single Gang Cast Iron Alloy Box .....	90.37	27.10
Note: One hub.		
26 05 33 16-0153 EA 3/4" Depth, Type FD, Deep, Single Gang Cast Iron Alloy Box .....	103.80	31.61
Note: One hub.		
26 05 33 16-0154 EA 1" Depth, Type FD, Deep, Single Gang Cast Iron Alloy Box .....	121.11	38.38
Note: One hub.		
26 05 33 16-0155 EA 1/2" Depth, Type FDC, Deep, Single Gang Cast Iron Alloy Box .....	114.14	36.13
Note: Two hubs.		
26 05 33 16-0156 EA 3/4" Depth, Type FDC, Deep, Single Gang Cast Iron Alloy Box .....	130.97	42.91
Note: Two hubs.		
26 05 33 16-0157 EA 1" Depth, Type FDC, Deep, Single Gang Cast Iron Alloy Box .....	157.17	51.93
Note: Two hubs.		
26 05 33 16-0158 EA 3/4" Depth, Type FDS, Deep, Single Gang Cast Iron Alloy Box .....	142.90	42.91
Note: Two hubs.		
26 05 33 16-0159 EA 3/4" Depth, Type FDCC, Deep, Single Gang Cast Iron Alloy Box .....	184.54	54.19
Note: Three hubs.		
<b>26 05 33 16-0160 Shallow, Two Gang Cast Iron Alloy Boxes</b> <small>(26 05 33 16-0128)</small>		
Note: Up to 2" deep boxes.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0161 EA 1/2" Depth, Type FS, Shallow, Two Gang Cast Iron Alloy Box ..... Note: One hub.	105.16	29.36
26 05 33 16-0162 EA 3/4" Depth, Type FS, Shallow, Two Gang Cast Iron Alloy Box ..... Note: One hub.	115.60	33.87
26 05 33 16-0163 EA 1" Depth, Type FS, Shallow, Two Gang Cast Iron Alloy Box ..... Note: One hub.	133.41	40.65
26 05 33 16-0164 EA 1/2" Depth, Type FSC, Shallow, Two Gang Cast Iron Alloy Box ..... Note: Two hubs.	125.53	38.38
26 05 33 16-0165 EA 3/4" Depth, Type FSC, Shallow, Two Gang Cast Iron Alloy Box ..... Note: Two hubs.	141.53	45.16
<b>26 05 33 16-0166 Deep, Two Gang Cast Iron Alloy Boxes</b> (26 05 33 16-0128) Note: >2" deep boxes.		
26 05 33 16-0167 EA 1/2" Depth, Type FD, Deep, Two Gang Cast Iron Alloy Box ..... Note: One hub.	119.53	29.36
26 05 33 16-0168 EA 3/4" Depth, Type FD, Deep, Two Gang Cast Iron Alloy Box ..... Note: One hub.	129.12	33.87
26 05 33 16-0169 EA 1/2" Depth, Type FDC, Deep, Two Gang Cast Iron Alloy Box ..... Note: Two hubs.	147.16	38.38
26 05 33 16-0170 EA 3/4" Depth, Type FDC, Deep, Two Gang Cast Iron Alloy Box ..... Note: Two hubs.	164.39	45.16
<b>26 05 33 16-0171 Cast Aluminum Boxes</b> (26 05 33 16-0127) See CSI section 26 27 26 00-0265 for box covers.		
<b>26 05 33 16-0172 Shallow, Single Gang Cast Aluminum Boxes</b> (26 05 33 16-0171) Note: Up to 2" deep boxes.		
26 05 33 16-0173 EA 1/2" Depth, Type FS, Shallow, Single Gang Cast Aluminum Box ..... Note: One hub.	76.55	22.58
26 05 33 16-0174 EA 3/4" Depth, Type FS, Shallow, Single Gang Cast Aluminum Box ..... Note: One hub.	86.84	27.10
26 05 33 16-0175 EA 1" Depth, Type FS, Shallow, Single Gang Cast Aluminum Box ..... Note: One hub.	93.98	33.87
26 05 33 16-0176 EA 1/2" Depth, Type FSA, Shallow, Single Gang Cast Aluminum Box ..... Note: One hub.	70.98	22.58
26 05 33 16-0177 EA 3/4" Depth, Type FSA, Shallow, Single Gang Cast Aluminum Box ..... Note: One hub.	90.77	27.10
26 05 33 16-0178 EA 1/2" Depth, Type FSC, Shallow, Single Gang Cast Aluminum Box ..... Note: Two hubs.	95.16	31.61
26 05 33 16-0179 EA 3/4" Depth, Type FSC, Shallow, Single Gang Cast Aluminum Box ..... Note: Two hubs.	114.05	38.38
26 05 33 16-0180 EA 1" Depth, Type FSC, Shallow, Single Gang Cast Aluminum Box ..... Note: Two hubs.	143.62	47.42
26 05 33 16-0181 EA 1/2" Depth, Type FSL, Shallow, Single Gang Cast Aluminum Box ..... Note: Two hubs.	104.86	31.61
26 05 33 16-0182 EA 3/4" Depth, Type FSL, Shallow, Single Gang Cast Aluminum Box ..... Note: Two hubs.	109.33	38.38
26 05 33 16-0183 EA 1/2" Depth, Type FSLB, Shallow, Single Gang Cast Aluminum Box ..... Note: Two hubs.	99.35	31.61
26 05 33 16-0184 EA 3/4" Depth, Type FSLB, Shallow, Single Gang Cast Aluminum Box ..... Note: Two hubs.	112.63	38.38
26 05 33 16-0185 EA 1/2" Depth, Type FSR, Shallow, Single Gang Cast Aluminum Box ..... Note: Two hubs.	95.78	31.61
26 05 33 16-0186 EA 3/4" Depth, Type FSR, Shallow, Single Gang Cast Aluminum Box ..... Note: Two hubs.	112.63	38.38
26 05 33 16-0187 EA 1/2" Depth, Type FSS, Shallow, Single Gang Cast Aluminum Box ..... Note: Two hubs.	87.56	31.61
26 05 33 16-0188 EA 3/4" Depth, Type FSS, Shallow, Single Gang Cast Aluminum Box ..... Note: Two hubs.	121.38	38.38
26 05 33 16-0189 EA 1/2" Depth, Type FSFA, Shallow, Single Gang Cast Aluminum Box ..... Note: Three hubs.	111.29	40.65
26 05 33 16-0190 EA 3/4" Depth, Type FSFA, Shallow, Single Gang Cast Aluminum Box ..... Note: Three hubs.	135.02	49.68
26 05 33 16-0191 EA 1/2" Depth, Type FSFC, Shallow, Single Gang Cast Aluminum Box ..... Note: Three hubs.	119.82	40.65
26 05 33 16-0192 EA 3/4" Depth, Type FSFC, Shallow, Single Gang Cast Aluminum Box ..... Note: Three hubs.	164.56	49.68
26 05 33 16-0193 EA 1/2" Depth, Type FSCT, Shallow, Single Gang Cast Aluminum Box ..... Note: Three hubs.	119.10	40.65
26 05 33 16-0194 EA 3/4" Depth, Type FSCT, Shallow, Single Gang Cast Aluminum Box ..... Note: Three hubs.	146.26	49.68
26 05 33 16-0195 EA 3/4" Depth, Type FST, Shallow, Single Gang Cast Aluminum Box ..... Note: Three hubs.	148.80	49.68
26 05 33 16-0196 EA 1/2" Depth, Type FSX, Shallow, Single Gang Cast Aluminum Box ..... Note: Four hubs.	145.15	49.68
26 05 33 16-0197 EA 3/4" Depth, Type FSX, Shallow, Single Gang Cast Aluminum Box ..... Note: Four hubs.	176.96	60.97
<b>26 05 33 16-0198 Deep, Single Gang Cast Aluminum Boxes</b> (26 05 33 16-0171) Note: >2" deep boxes.		

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0199 EA 1/2" Depth, Type FD, Deep, Single Gang Cast Aluminum Box..... Note: One hub.	86.44	22.58
26 05 33 16-0200 EA 3/4" Depth, Type FD, Deep, Single Gang Cast Aluminum Box..... Note: One hub.	103.52	27.10
26 05 33 16-0201 EA 1" Depth, Type FD, Deep, Single Gang Cast Aluminum Box..... Note: One hub.	116.93	33.87
26 05 33 16-0202 EA 3/4" Depth, Type FDA, Deep, Single Gang Cast Aluminum Box ..... Note: One hub.	112.56	27.10
26 05 33 16-0203 EA 1/2" Depth, Type FDC, Deep, Single Gang Cast Aluminum Box ..... Note: Two hubs.	107.95	31.61
26 05 33 16-0204 EA 3/4" Depth, Type FDC, Deep, Single Gang Cast Aluminum Box ..... Note: Two hubs.	129.76	38.38
26 05 33 16-0205 EA 1" Depth, Type FDC, Deep, Single Gang Cast Aluminum Box ..... Note: Two hubs.	142.15	47.42
26 05 33 16-0206 EA 3/4" Depth, Type FDS, Deep, Single Gang Cast Aluminum Box ..... Note: Two hubs.	131.85	38.38
26 05 33 16-0207 EA 3/4" Depth, Type FDCC, Deep, Single Gang Cast Aluminum Box..... Note: Three hubs.	159.45	49.68
<b>26 05 33 16-0208 Shallow, Two Gang Cast Aluminum Boxes (26 05 33 16-0171)</b> Note: Up to 2" deep boxes.		
26 05 33 16-0209 EA 1/2" Depth, Type FS, Shallow, Two Gang Cast Aluminum Box ..... Note: One hub.	104.82	24.84
26 05 33 16-0210 EA 3/4" Depth, Type FS, Shallow, Two Gang Cast Aluminum Box ..... Note: One hub.	119.42	29.36
26 05 33 16-0211 EA 1" Depth, Type FS, Shallow, Two Gang Cast Aluminum Box ..... Note: One hub.	125.17	36.13
26 05 33 16-0212 EA 1/2" Depth, Type FSC, Shallow, Two Gang Cast Aluminum Box..... Note: Two hubs.	129.12	33.87
26 05 33 16-0213 EA 3/4" Depth, Type FSC, Shallow, Two Gang Cast Aluminum Box..... Note: Two hubs.	127.63	40.65
26 05 33 16-0214 EA 1" Depth, Type FSC, Shallow, Two Gang Cast Aluminum Box..... Note: Two hubs.	158.00	49.68
<b>26 05 33 16-0215 Deep, Two Gang Cast Aluminum Boxes (26 05 33 16-0171)</b> Note: >2" deep boxes.		
26 05 33 16-0216 EA 1/2" Depth, Type FD, Deep, Two Gang Cast Aluminum Box ..... Note: One hub.	104.70	24.84
26 05 33 16-0217 EA 3/4" Depth, Type FD, Deep, Two Gang Cast Aluminum Box ..... Note: One hub.	120.77	29.36
26 05 33 16-0218 EA 1/2" Depth, Type FDC, Deep, Two Gang Cast Aluminum Box ..... Note: Two hubs.	132.21	33.87
26 05 33 16-0219 EA 3/4" Depth, Type FDC, Deep, Two Gang Cast Aluminum Box ..... Note: Two hubs.	148.31	40.65
26 05 33 16-0220 EA 1/2" Depth, Type FDC, Deep, Two Gang Cast Aluminum Box ..... Note: Two hubs.	132.21	33.87
26 05 33 16-0221 EA 3/4" Depth, Type FDC, Deep, Two Gang Cast Aluminum Box ..... Note: Two hubs.	148.31	40.65
<b>26 05 33 16-0222 Shallow, Three Gang Cast Aluminum Boxes (26 05 33 16-0171)</b> Note: Up to 2" deep boxes.		
26 05 33 16-0223 EA 1/2" Depth, Type FSC, Shallow, Three Gang Cast Aluminum Box..... Note: Two hubs.	138.37	36.13
26 05 33 16-0224 EA 3/4" Depth, Type FSC, Shallow, Three Gang Cast Aluminum Box..... Note: Two hubs.	153.68	42.91
<b>26 05 33 16-0225 Deep, Three Gang Cast Aluminum Boxes (26 05 33 16-0171)</b> Note: >2" deep boxes.		
26 05 33 16-0226 EA 3/4" Depth, Type FD, Deep, Three Gang Cast Aluminum Box ..... Note: One hub.	164.15	31.61
26 05 33 16-0227 EA 1" Depth, Type FD, Deep, Three Gang Cast Aluminum Box ..... Note: One hub.	180.87	38.38
<b>26 05 33 16-0228 Cast Aluminum Explosion Proof Outlet Bodies (26 05 33 16-0127)</b> Note: Class I, Div. 1 & 2; Class II, Div. 1 & 2; and Class III.		
26 05 33 16-0229 EA 1/2" Depth, Type GRSS, 7 Opening, Cast Aluminum Explosion Proof Outlet Body.....	167.56	36.13
26 05 33 16-0230 EA 3/4" Depth, Type GRSS, 7 Opening, Cast Aluminum Explosion Proof Outlet Body.....	210.50	40.65
26 05 33 16-0231 EA 1" Depth, Type GRSS, 7 Opening, Cast Aluminum Explosion Proof Outlet Body.....	187.13	45.16
26 05 33 16-0232 EA 1/2" Depth, Type GRSSA, 13 Opening, Cast Aluminum Explosion Proof Outlet Body .....	185.28	40.65
26 05 33 16-0233 EA 3/4" Depth, 13 Hubs, Explosion Proof Conduit Outlet Box With Cover Cast Aluminum, Type GRSSA .....	228.90	45.16
<b>26 05 33 16-0234 Non-Metallic (PVC) Boxes (26 05 33 16)</b> See CSI section 26 27 26 00-0265 for box covers.		
<b>26 05 33 16-0235 Shallow, Single Gang Non-Metallic (PVC) Boxes (26 05 33 16-0234)</b>		
26 05 33 16-0236 EA 1/2" Depth, Type FSE, Shallow, Single Gang Non-Metallic (PVC) Box ..... Note: One hub.	49.87	18.97





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0237 EA 3/4" Depth, Type FSE, Shallow, Single Gang Non-Metallic (PVC) Box ..... Note: One hub.	56.57	22.13
26 05 33 16-0238 EA 1" Depth, Type FSE, Shallow, Single Gang Non-Metallic (PVC) Box ..... Note: One hub.	62.91	26.87
26 05 33 16-0239 EA 1/2" Depth, Type FSC, Shallow, Single Gang Non-Metallic (PVC) Box ..... Note: Two hubs.	62.89	25.30
26 05 33 16-0240 EA 3/4" Depth, Type FSC, Shallow, Single Gang Non-Metallic (PVC) Box ..... Note: Two hubs.	73.60	30.03
26 05 33 16-0241 EA 1" Depth, Type FSC, Shallow, Single Gang Non-Metallic (PVC) Box ..... Note: Two hubs.	89.33	36.36
26 05 33 16-0242 EA 1/2" Depth, Type FSS, Shallow, Single Gang Non-Metallic (PVC) Box ..... Note: Two hubs.	63.20	25.30
26 05 33 16-0243 EA 3/4" Depth, Type FSS, Shallow, Single Gang Non-Metallic (PVC) Box ..... Note: Two hubs.	72.76	30.03
26 05 33 16-0244 EA 1" Depth, Type FSS, Shallow, Single Gang Non-Metallic (PVC) Box ..... Note: Two hubs.	86.45	36.36
26 05 33 16-0245 EA 1/2" Depth, Type FSCC, Shallow, Single Gang Non-Metallic (PVC) Box ..... Note: Three hubs.	80.12	31.61
26 05 33 16-0246 EA 3/4" Depth, Type FSCC, Shallow, Single Gang Non-Metallic (PVC) Box ..... Note: Three hubs.	89.43	37.93
26 05 33 16-0247 EA 1" Depth, Type FSCC, Shallow, Single Gang Non-Metallic (PVC) Box ..... Note: Three hubs.	104.24	45.84
<b>26 05 33 16-0248 Deep, Single Gang Non-Metallic (PVC) Boxes</b> <small>(26 05 33 16-0234)</small>		
26 05 33 16-0249 EA No Hub, Type FD, Deep, Single Gang Non-Metallic (PVC) Box ..... Note: No hubs.	50.79	18.97
26 05 33 16-0250 EA 1/2" Depth, Type FDE, Deep, Single Gang Non-Metallic (PVC) Box ..... Note: One hub.	49.16	18.97
26 05 33 16-0251 EA 3/4" Depth, Type FDE, Deep, Single Gang Non-Metallic (PVC) Box ..... Note: One hub.	58.78	22.13
26 05 33 16-0252 EA 1" Depth, Type FDE, Deep, Single Gang Non-Metallic (PVC) Box ..... Note: One hub.	63.82	26.87
26 05 33 16-0253 EA 1/2" Depth, Type FDC, Deep, Single Gang Non-Metallic (PVC) Box ..... Note: Two hubs.	64.71	25.30
26 05 33 16-0254 EA 3/4" Depth, Type FDC, Deep, Single Gang Non-Metallic (PVC) Box ..... Note: Two hubs.	71.21	30.03
26 05 33 16-0255 EA 1" Depth, Type FDC, Deep, Single Gang Non-Metallic (PVC) Box ..... Note: Two hubs.	84.66	36.36
<b>26 05 33 16-0256 Shallow, Two Gang Non-Metallic (PVC) Boxes</b> <small>(26 05 33 16-0234)</small>		
26 05 33 16-0257 EA 1/2" Depth, Type FSE, Shallow, Two Gang Non-Metallic (PVC) Box ..... Note: One hub.	53.52	20.55
26 05 33 16-0258 EA 3/4" Depth, Type FSE, Shallow, Two Gang Non-Metallic (PVC) Box ..... Note: One hub.	61.14	23.71
26 05 33 16-0259 EA 1" Depth, Type FSE, Shallow, Two Gang Non-Metallic (PVC) Box ..... Note: One hub.	66.25	28.45
26 05 33 16-0260 EA 1/2" Depth, Type FSC, Shallow, Two Gang Non-Metallic (PVC) Box ..... Note: Two hubs.	64.02	26.87
26 05 33 16-0261 EA 3/4" Depth, Type FSC, Shallow, Two Gang Non-Metallic (PVC) Box ..... Note: Two hubs.	80.73	31.61
26 05 33 16-0262 EA 1" Depth, Type FSC, Shallow, Two Gang Non-Metallic (PVC) Box ..... Note: Two hubs.	95.01	37.93
26 05 33 16-0263 EA 1/2" Depth, Type FSS, Shallow, Two Gang Non-Metallic (PVC) Box ..... Note: Two hubs.	66.18	26.87
26 05 33 16-0264 EA 3/4" Depth, Type FSS, Shallow, Two Gang Non-Metallic (PVC) Box ..... Note: Two hubs.	86.72	31.61
26 05 33 16-0265 EA 1" Depth, Type FSS, Shallow, Two Gang Non-Metallic (PVC) Box ..... Note: Two hubs.	90.21	37.93
26 05 33 16-0266 EA 1/2" Depth, Type FSCC, Shallow, Two Gang Non-Metallic (PVC) Box ..... Note: Three hubs.	80.59	33.20
26 05 33 16-0267 EA 3/4" Depth, Type FSCC, Shallow, Two Gang Non-Metallic (PVC) Box ..... Note: Three hubs.	110.05	39.52
26 05 33 16-0268 EA 1" Depth, Type FSCC, Shallow, Two Gang Non-Metallic (PVC) Box ..... Note: Three hubs.	107.25	47.42
<b>26 05 33 16-0269 Poke Thru Units</b> <small>(26 05 33 16)</small>		
<b>26 05 33 16-0270 Surface Poke Thru Units</b> <small>(26 05 33 16-0269)</small>		
Note: Excludes concrete drilling. See CSI section 27 11 19 00-0122 for jacks.		
26 05 33 16-0271 EA Single 20 Amperes, Duplex Receptacle RC3 Power And Communications Poke Thru Unit ..... Note: Tile or carpet with brushed aluminum flange with black non-metallic cover. Excludes communication jacks. Wiremold RC3ATCAL.	549.19	33.87
26 05 33 16-0272 EA Retrofit Kit Upgrades Existing RC3 Series Power And Communications Poke Thru Unit To Meet Scrub Water Requirements ..... Note: Includes 20 Amp duplex receptacle. Tile or carpet with brushed aluminum flange with black non-metallic cover. Wiremold RC3KTCAL.	349.95	
26 05 33 16-0273 EA 20 Amperes, Replacement Duplex Receptacle For RC3 Series Power And Communications Poke Thru Unit ..... Note: Wiremold RC37REC.	43.28	9.04
26 05 33 16-0274 EA Abandonment Plate For RC3 Series Power And Communications Poke Thru Unit ..... Note: Wiremold RC3APTCKB.	58.06	4.51

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0275 EA Four 20 Amperes, Receptacles RC4 Power And Communications Poke Thru Unit ..... Note: Tile or carpet with brushed aluminum flange with black non-metallic cover. Excludes communication jacks. Wiremold RC4ATCAL.	623.08	36.13
26 05 33 16-0276 EA Retrofit Kit Upgrades Existing RC4 Series Power And Communications Poke Thru Unit To Meet Scrub Water Requirements ..... Note: Includes two 20 Amp duplex receptacles. Tile or carpet with brushed aluminum flange with black non-metallic cover. Excludes communication jacks. Wiremold RC4KTCAL.	326.37	
26 05 33 16-0277 EA Two 20 Amperes, Replacement Duplex Receptacles For RC4 Series Power And Communications Poke Thru Unit ..... Note: Wiremold RC4REC2.	75.93	13.55
26 05 33 16-0278 EA Abandonment Plate For RC4 Series Power And Communications Poke Thru Unit..... Note: Wiremold RC4APTCBK.	58.06	4.51
26 05 33 16-0279 EA Abandonment Plug For RC4 Series Power And Communications Poke Thru Unit..... Note: Wiremold ABPLUG4.	172.88	9.04
26 05 33 16-0280 EA Four Jack RC9AMD Communications Poke Thru Unit..... Note: Tile or carpet with brushed aluminum flange with black non-metallic cover. Includes bezels to accept four Ortronics TracJack inserts and two Ortronics Series II inserts. Excludes communication jacks. Wiremold RC9AMDTCAL.	490.34	31.61
26 05 33 16-0281 EA Abandonment Plate For RC9 Series Communications Poke Thru Unit ..... Note: Wiremold RC9APTCBK.	39.11	4.51
26 05 33 16-0282 EA Eight Jack AMD8 Communications Poke Thru Unit ..... Note: Tile or carpet with brushed aluminum flange with black non-metallic cover. Includes bezels to accept eight Ortronics TracJack inserts and four Ortronics Series II inserts. Excludes communication jacks. Wiremold AMD8ATCAL.	487.95	31.61
26 05 33 16-0283 EA Communication Conduit Adapter For Poke Thru Units ..... Note: Includes two conduit connections for communication systems. Wiremold COM75.	55.98	4.51
<b>26 05 33 16-0284 Recessed Poke Thru Units</b> (26 05 33 16-0269) Note: Excludes concrete drilling.		
<b>26 05 33 16-0285 Evolution 6AT Poke Thru Units</b> (26 05 33 16-0284) Note: Excludes concrete drilling.		
26 05 33 16-0286 EA Recessed Prewired Assembly With Surface Style Cover (Wiremold 6ATCP) ..... Note: For carpet, tile, wood and laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	760.68	36.13
26 05 33 16-0287 EA Recessed Prewired Assembly With Flush Style Cover (Wiremold 6ATP)..... Note: For tile, wood and laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	760.77	36.13
26 05 33 16-0288 EA Recessed Assembly With Surface Style Cover (Wiremold 6ATC)..... Note: For carpet, tile, wood and laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Diecast aluminum cover is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	724.36	36.13
26 05 33 16-0289 EA Recessed Assembly With Flush Style Cover (Wiremold 6AT)..... Note: For tile, wood or laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	724.36	36.13
26 05 33 16-0290 EA Recessed Prewired Audio/Video Assembly With Surface Style Cover (Wiremold 6ATCPA)..... Note: For carpet, tile, wood and laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	760.68	36.13
26 05 33 16-0291 EA Recessed Prewired Audio/Video Assembly With Flush Style Cover (Wiremold 6ATPA)..... Note: For tile, wood and laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	760.68	36.13
26 05 33 16-0292 EA Recessed Furniture Feed Assembly With Surface Style Cover (Wiremold 6ATCFF)..... Note: For carpet, tile, wood and laminate floors. For use in 6" diameter cored hole. Die-cast aluminum cover assembly provides one (1) 3/4" trade size screw plug opening and one (1) concentric 2" to 1 1/4" trade size screw plug opening and is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	693.63	36.13
26 05 33 16-0293 EA Recessed Assembly With Disposable Plate (Wiremold 6STC)..... Note: Includes 6" core hole poke-thru stem assembly with a disposable plate. Devices are recessed 3 1/4" below floor surface. No cover assembly is included. No device plates are included. For use with the following cover assemblies (purchased separately): 6CTC, 6CT, and 6CFFTC Series.	430.60	33.87
26 05 33 16-0294 EA Recessed Prewired Audio/Video Assembly With Disposable Plate (Wiremold 6STCPAV) ..... Note: Includes 6" core hole poke-thru stem assembly with a disposable plate. Devices are recessed 3 1/4" below floor surface. No cover assembly is included. For use with the following cover assemblies(purchased separately): 6CTC and 6CT Series.	462.72	33.87
26 05 33 16-0295 EA Recessed Prewired Assembly With Disposable Plate (Wiremold 6STCP) ..... Note: Includes 6" core hole poke-thru stem assembly with a disposable plate. Devices are recessed 3 1/4" below floor surface. No cover assembly is included. For use with the following cover assemblies (purchased separately): 6CTC and 6CT Series.	465.91	33.87
26 05 33 16-0296 EA 6" Pre-Pour Poke-Thru Sleeve (Wiremold 6PPS)..... Note: Non-metallic sleeve attaches to structural decking and maintains 6" to 6-1/8" diameter cast in core hole. Unit includes three (3) attachment legs, two (2) end caps and three (3) thumb screws.	128.84	18.06
26 05 33 16-0297 EA Surface Style Cover Assembly (Wiremold 6CTC)..... Note: Die-cast aluminum cover assembly. Cover assembly is available in the following finishes: black (BK), gray (GY), nickel (NK), brass (BS), and bronze (BZ). 6CTC Series cover assemblies designed for use with 6STC, 6STCP, and 6STCPAV Poke-Thru Stem Assemblies.	308.69	9.04
26 05 33 16-0298 EA Flush Style Cover Assembly (Wiremold 6CT)..... Note: Die-cast aluminum cover assembly. Cover assembly is available in the following finishes: black (BK), gray (GY), nickel (NK), brass (BS), and bronze (BZ). 6CT Series cover assemblies designed for use with 6STC, 6STCP and 6STCPAV Poke-Thru Stem Assemblies. Includes one (1) 6TS Tile Shim.	308.69	9.04



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0299 EA Furniture Feed Cover Assembly (Wiremold 6CFFTC)..... Note: Surface style, die-cast aluminum cover assembly, with one (1) 3/4" trade size screw plug opening, and one (1) concentric 2" to 1-1/4" trade size screw plug opening. Cover assembly is available in finishes: black (BK), gray(GY), nickel (NK), brass (BS), and bronze (BZ). 6CFFTC Series Cover Assemblies designed for use with 6STC Poke- Thru Stem Assembly. Includes one (1) 3/4" and one (1) 2" trade size conduit fittings and one (1) divider to separate services.	256.02	9.04
26 05 33 16-0300 EA Tile Shim (Wiremold 6TS)..... Note: Used for floor coverings greater than 5/16" The 6TS will allow the top surface of the cover to be flush with the finished floor. Includes: two (2) 1/8" thick shims and two (2) 1/16" thick shims. Up to a total of 3/8" of adjustment.	36.67	2.26
26 05 33 16-0301 EA Device Mounting Plate (Wiremold 6AAP)..... Note: Device plate that will accept up to two (2) Extron® Electronics AAP style plates. For use in the center compartment only. Devices supplied by others.	16.68	4.51
26 05 33 16-0302 EA Device Mounting Plate (Wiremold 6ACT8A)..... Note: Device plate that will accept up to eight (8) ports of communication devices. For use in the center compartment only. Devices supplied by others.	19.53	4.51
26 05 33 16-0303 EA Device Mounting Plate (Wiremold 6B)..... Note: Device plate used to blank off center compartment, when no devices are used.	16.60	4.51
26 05 33 16-0304 EA Device Mounting Plate (Wiremold 6DEC)..... Note: Device plate that will accept Decorator style devices such as 20 amperes receptacles, GFCIs, 106 adapters or A/V devices. For use in the center compartment only. Devices supplied by others.	16.65	4.51
26 05 33 16-0305 EA Device Mounting Plate (Wiremold 6DP)..... Note: Device plate that will accept standard 20 amperes duplex receptacle or duplex Turnlok receptacle. For use in the center compartment only. Devices supplied by others.	16.53	4.51
26 05 33 16-0306 EA Device Mounting Plate (Wiremold 6MAAP)..... Note: Device plate that will accept up to six (6) Extron® Electronics MAAP style plates. For use in the center compartment only. Devices supplied by others.	19.83	4.51
26 05 33 16-0307 EA Device Mounting Plate (Wiremold 6MAAP2A)..... Note: Combination device plate that will accept up to three (3) Extron® Electronics MAAP style plates, and up to two (2) ports of communication devices. For use in the center compartment only. Devices supplied by others.	19.60	4.51
26 05 33 16-0308 EA Mosaic Mounting Plate (Wiremold 6MOS)..... Note: Device plate will accept two (2) standard [45mm x 45mm] or one (1) standard [45mm x 90mm] Mosaic style device(s). Devices supplied by others.	20.12	4.51
26 05 33 16-0309 EA Device Mounting Plate (Wiremold 6S1)..... Note: Receptacle opening 1 3/8". For 6" poke-thru units only.	16.25	4.51
26 05 33 16-0310 EA Device Mounting Plate (Wiremold 6S2)..... Note: Receptacle opening 1 9/16". For 6" poke-thru units only.	16.27	4.51
26 05 33 16-0311 EA Device Mounting Plate (Wiremold 6SER)..... Note: Device plate that will accept up to four (4) Ortronics® Series II dual modular inserts. For use in the center compartment only. Devices supplied by others.	16.02	4.51
26 05 33 16-0312 EA Device Mounting Plate (Wiremold 6TRAC)..... Note: Device plate that will accept up to eight (8) Ortronics® TracJack devices. For use in the center compartment only. Devices supplied by others.	16.02	4.51
26 05 33 16-0313 EA 20 Amperes, Duplex Receptacles (Wiremold 68REC)..... Note: Two (2) proprietary 20 amperes duplex power receptacles with mounting plates. Designed to fit in either of the two side compartments in both the 6ATC and the 8ATC Series Poke-Thru Devices. Receptacle can be wired as a standard or isolated ground device.	40.15	6.77
26 05 33 16-0314 EA Device Mounting Plate (Wiremold 68B)..... Note: Blank plate. Used to blank off either of the side compartments when no devices or cabling are to be used.	14.52	4.51
26 05 33 16-0315 EA Device Mounting Plate (Wiremold 68MAAP)..... Note: Device plate that will accept up to two (2) Extron® Electronics MAAP device plates. For use in either of the two side compartments only. Not for use in the center compartment. Extron Devices supplied by others.	14.93	4.51
26 05 33 16-0316 EA 20 Amperes, Duplex Receptacles (Wiremold 68REC-25)..... Note: Two (2) proprietary 20 amperes duplex power receptacles with mounting plates and 25' leads. Designed to fit in either of the two side compartments in both the 6ATC and the 8ATC Series Poke-Thru Devices. Receptacle can be wired as a standard or isolated	131.32	8.12
26 05 33 16-0317 EA Device Mounting Plate (Wiremold 682A)..... Note: Device plate that will accept up to two (2) ports of communication devices. For use in either of the two side compartments only. Not for use in the center compartment. Communication devices supplied by others.	19.34	4.51
26 05 33 16-0318 EA Bottom Housing Assembly (Wiremold 5PTHA)..... Note: Half-gang pass through housing assembly. Designed to allow pass through of communication cables when no conduit is required. For use on side compartments only.	20.23	4.51
26 05 33 16-0319 EA Bottom Housing Assembly (Wiremold 5BLH)..... Note: Half-gang blank housing assembly. Designed to blank off compartment when no cable pass through is required. For use on side compartments only. Includes tunnels for 6" and 8" poke-thru devices.	20.86	4.51
26 05 33 16-0320 EA Bottom Housing Assembly (Wiremold 152CHA)..... Note: One and a half-gang 2" trade size conduit housing assembly. Recommended for use with furniture feed devices (6ATCFF). Covers the center compartment and one of the side compartments.	31.22	9.04
26 05 33 16-0321 EA Bottom Housing Assembly (Wiremold 575CHA)..... Note: Half-gang 3/4" trade size conduit housing assembly. Includes junction box attached to 3/4" trade size conduit for electrical power connections. For use on side compartments only.	35.41	11.29
26 05 33 16-0322 EA Bottom Housing Assembly (Wiremold 175CHA)..... Note: One-gang 3/4" trade size conduit housing assembly. Includes junction box attached to 3/4" trade size conduit for electrical power connections.	39.49	11.29
26 05 33 16-0323 EA Bottom Housing Assembly (Wiremold 1125CHA)..... Note: One-gang 1 1/4" trade size conduit housing assembly.	29.84	9.04
26 05 33 16-0324 EA Bottom Housing Assembly (Wiremold 1PTHA)..... Note: One-gang pass through housing assembly. Designed to allow pass through of communication cables when no conduit is required.	20.08	4.51
26 05 33 16-0325 EA Bottom Housing Assembly (Wiremold 1BLH)..... Note: One-gang blank housing assembly. Designed to blank off compartment when no cable pass through is required.	20.08	4.51
26 05 33 16-0326 EA Bottom Housing Assembly (Wiremold 15FFHA)..... Note: One and a half-gang pass through conduit housing assembly. Used for furniture feed applications on the center compartment only. Only for use with 6AT Series units.	21.25	4.51

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0327 EA Bottom Housing Assembly (Wiremold 1BHA)..... Note: One-gang bottom housing assembly. Designed to accept 175CHA, 1125CHA, 1PTHA, and 1BLH plates.	22.05	4.51
<b>26 05 33 16-0328 Evolution 8AT Poke Thru Units (26 05 33 16-0284)</b>		
Note: Excludes concrete drilling.		
26 05 33 16-0329 EA Recessed Prewired Assembly With Surface Style Cover (Wiremold 8ATCP)..... Note: For carpet, tile, wood and laminate floors. For use in 8" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	1,002.24	36.13
26 05 33 16-0330 EA Recessed Prewired Assembly With Flush Style Cover (Wiremold 8ATP)..... Note: For tile, wood and laminate floors. For use in 8" diameter cored hole. Devices are recessed 3 1/4" [83mm] below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	953.23	36.13
26 05 33 16-0331 EA Recessed Prewired Assembly With Flush Style Cover (Wiremold 8AT2P)..... Note: For tile, wood and laminate floors. For use in 8" diameter cored hole. Devices are recessed 3 1/4" [83mm] below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	1,013.33	36.13
26 05 33 16-0332 EA Recessed Assembly With Surface Style Cover (Wiremold 8ATC)..... Note: For carpet, tile, wood and laminate floors. For use in 8" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Diecast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	944.01	36.13
26 05 33 16-0333 EA Recessed Assembly With Flush Style Cover (Wiremold 8AT)..... Note: For tile, wood and laminate floors. For use in 8" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Diecast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	935.26	36.13
26 05 33 16-0334 EA Recessed Assembly With Disposable Plate (Wiremold 8STC)..... Note: Includes 8" core hole poke-thru stem assembly with a disposable plate. Devices are recessed 3 1/4" below floor surface. No cover assembly is included. For use with the following cover assemblies (purchased separately): 8CTC and 8CT Series.	560.27	33.87
26 05 33 16-0335 EA Recessed Prewired Assembly With Disposable Plate (Wiremold 8STCP)..... Note: Includes 8" core hole poke-thru stem assembly with a disposable plate. Devices are recessed 3 1/4" below floor surface. No cover assembly is included. For use with the following cover assemblies (purchased separately): 8CTC and 8CT Series.	629.30	33.87
26 05 33 16-0336 EA 8" Pre-Pour Poke-Thru Sleeve (Wiremold 8PPS)..... Note: Non-metallic sleeve attaches to structural decking and maintains 8" to 8 1/8" diameter cast in core hole. Unit includes three (3) attachment legs, two (2) end caps and three (3) thumb screws.	155.78	18.06
26 05 33 16-0337 EA Surface Style Cover Assembly (Wiremold 8CTC)..... Note: Die-cast aluminum cover assembly. Cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze. 8CTC Series Cover Assemblies designed for use with 8STC and 8STCP Poke-Thru Stem Assemblies.	334.12	9.04
26 05 33 16-0338 EA Flush Style Cover Assembly (Wiremold 8CT)..... Note: Die-cast aluminum cover assembly. Cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze. 8CTC Series Cover Assemblies designed for use with 8STC and 8STCP Poke-Thru Stem Assemblies. Includes one (1) 8TS Tile Shim.	334.12	9.04
26 05 33 16-0339 EA Tile Shim (Wiremold 8TS)..... Note: Used for floor coverings greater than 5/16". The 8TS will allow the top surface of the cover to be flush with the finished floor. Includes: two (2) 1/8" thick shims and two (2) 1/16" thick shims. Up to a total of 3/8" [9.5mm] of adjustment.	57.63	2.26
26 05 33 16-0340 EA Device Mounting Plate (Wiremold 8B)..... Note: Singlegang device plate used to blank off any one (1) of the three (3) gangs in the center compartment, when no devices are used.	17.29	4.51
26 05 33 16-0341 EA Device Mounting Plate (Wiremold 8DP)..... Note: Singlegang device plate that accepts standard 20 amperes duplex receptacle or a duplex Turnlok receptacle. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.	17.40	4.51
26 05 33 16-0342 EA Device Mounting Plate (Wiremold 8DEC)..... Note: Singlegang device plate that will accept Decorator style devices such as 20 amperes receptacles, GGCIs, 106 adapters or A/V devices. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.	17.52	4.51
26 05 33 16-0343 EA Device Mounting Plate (Wiremold 8ACT6A)..... Note: Singlegang device plate that will accept up to six (6) ports of communication devices. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.	20.58	4.51
26 05 33 16-0344 EA Mosaic Mounting Plate (Wiremold 8MOS)..... Note: Device plate accepts three (3) standard Mosaic devices. Devices supplied by others.	25.30	4.51
26 05 33 16-0345 EA Crestron Double Gang Plate (Wiremold 8CREST)..... Note: Device plate accepts Crestron double-gang decorator style devices.	25.26	4.51
26 05 33 16-0346 EA Device Mounting Plate (Wiremold 8S1)..... Note: Receptacle opening 1 3/8". For 8" poke-thru units only.	16.72	4.51
26 05 33 16-0347 EA Device Mounting Plate (Wiremold 8S2)..... Note: Receptacle opening 1 9/16". For 8" poke-thru units only.	16.95	4.51
26 05 33 16-0348 EA Device Mounting Plate (Wiremold 8TRAC)..... Note: Singlegang device plate that will accept up to six (6) Ortronics TracJack devices. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.	16.72	4.51
26 05 33 16-0349 EA Device Mounting Plate (Wiremold 8SER)..... Note: Singlegang device plate that will accept up to three (3) Ortronics Series II dual modular inserts. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.	16.72	4.51
26 05 33 16-0350 EA Device Mounting Plate (Wiremold 8MAAP)..... Note: Singlegang device plate that will accept up to four (4) Extron® Electronics MAAP style plates. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.	24.87	4.51
26 05 33 16-0351 EA Device Mounting Plate (Wiremold 8AAP)..... Note: Twogang device plate that will accept up to four (4) Extron® Electronics AAP style plates. 8AAP takes up 2 of the 3 gangs in the center compartment. Devices supplied by others.	20.45	4.51
26 05 33 16-0352 EA 8" Divider (Wiremold 8DIV)..... Note: Divider allows for separation of services when required.	23.84	4.51



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 05 33	16-0353	EA	Bottom Housing Assembly (Wiremold 22CHA).....31.22 Note: Two-gang 2" trade size conduit housing assembly. Used on 8AT Series devices. Covers two (2) of the three (3) gangs in the center compartment. Only for use with 8AT Series units.		9.04
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**26 05 43 Underground Ducts and Raceways for Electrical Systems** (26 05)

Note: Includes warning tape. See CSI section 33 71 19 23-0000 for underground trenched ductbank.

26 05 43	00-0001		Precast Concrete Trenches, One Piece Pedestrian Trench <small>(26 05 43)</small> Note: Rated for 200 PSF Pedestrian Weight. Excludes excavation, removal of dirt and sand bedding.		
26 05 43	00-0002		10" Wide Pedestrian Trench <small>(26 05 43 00-0001)</small>		
26 05 43	00-0003	LF	Base, Solid Bottom 10" Wide x 15" Deep Pedestrian Trench .....	87.41	
26 05 43	00-0004	LF	Base, Open Bottom 10" Wide x 15" Deep Pedestrian Trench .....	83.52	
26 05 43	00-0005	LF	Base, Solid Bottom 10" Wide x 24" Deep Pedestrian Trench .....	121.39	
26 05 43	00-0006	LF	Base, Open Bottom 10" Wide x 24" Deep Pedestrian Trench .....	115.99	
26 05 43	00-0007	EA	End Wall, 10" Wide x 15" Deep Pedestrian Trench .....	58.62	
26 05 43	00-0008	EA	End Wall, 10" Wide x 24" Deep Pedestrian Trench .....	69.12	
26 05 43	00-0009	LF	Lid, Concrete, 10" Wide Pedestrian Trench.....	58.27	
26 05 43	00-0010		20" Wide Pedestrian Trench <small>(26 05 43 00-0001)</small>		
26 05 43	00-0011	LF	Base, Solid Bottom 20" Wide x 15" Deep Pedestrian Trench .....	110.59	
26 05 43	00-0012	LF	Base, Open Bottom 20" Wide x 15" Deep Pedestrian Trench .....	103.72	
26 05 43	00-0013	LF	Base, Solid Bottom 20" Wide x 24" Deep Pedestrian Trench .....	149.65	
26 05 43	00-0014	LF	Base, Open Bottom 20" Wide x 24" Deep Pedestrian Trench .....	143.39	
26 05 43	00-0015	EA	End Wall, 20" Wide x 15" Deep Pedestrian Trench .....	73.10	
26 05 43	00-0016	EA	End Wall, 20" Wide x 24" Deep Pedestrian Trench .....	106.57	
26 05 43	00-0017	LF	Lid, Concrete, 20" Wide Pedestrian Trench.....	72.88	
26 05 43	00-0018		30" Wide Pedestrian Trench <small>(26 05 43 00-0001)</small>		
26 05 43	00-0019	LF	Base, Solid Bottom 30" Wide x 15" Deep Pedestrian Trench .....	140.75	
26 05 43	00-0020	LF	Base, Open Bottom 30" Wide x 15" Deep Pedestrian Trench .....	165.93	
26 05 43	00-0021	LF	Base, Solid Bottom 30" Wide x 24" Deep Pedestrian Trench .....	176.21	
26 05 43	00-0022	LF	Base, Open Bottom 30" Wide x 24" Deep Pedestrian Trench .....	169.08	
26 05 43	00-0023	EA	End Wall, 30" Wide x 15" Deep Pedestrian Trench .....	104.76	
26 05 43	00-0024	EA	End Wall, 30" Wide x 24" Deep Pedestrian Trench .....	142.58	
26 05 43	00-0025	LF	Lid, Concrete, 30" Wide Pedestrian Trench.....	91.04	
26 05 43	00-0026		40" Wide Pedestrian Trench <small>(26 05 43 00-0001)</small>		
26 05 43	00-0027	LF	Base, Solid Bottom 40" Wide x 15" Deep Pedestrian Trench .....	168.34	
26 05 43	00-0028	LF	Base, Open Bottom 40" Wide x 15" Deep Pedestrian Trench .....	161.85	
26 05 43	00-0029	LF	Base, Solid Bottom 40" Wide x 24" Deep Pedestrian Trench .....	206.03	
26 05 43	00-0030	LF	Base, Open Bottom 40" Wide x 24" Deep Pedestrian Trench .....	198.09	
26 05 43	00-0031	EA	End Wall, 40" Wide x 15" Deep Pedestrian Trench .....	134.09	
26 05 43	00-0032	EA	End Wall, 40" Wide x 24" Deep Pedestrian Trench .....	182.29	
26 05 43	00-0033	LF	Lid, Concrete, 40" Wide Pedestrian Trench.....	107.48	
26 05 43	00-0034		Precast Concrete Trenches, One Piece Medium Vehicle Trench <small>(26 05 43)</small> Note: Rated for 7000 lbs Gross Vehicle Weight. Excludes excavation, removal of dirt and sand bedding.		
26 05 43	00-0035		10" Wide Medium Vehicle Trench <small>(26 05 43 00-0034)</small>		
26 05 43	00-0036	LF	Base, Solid Bottom 10" Wide x 15" Deep Medium Vehicle Trench.....	106.49	
26 05 43	00-0037	LF	Base, Open Bottom 10" Wide x 15" Deep Medium Vehicle Trench.....	101.45	
26 05 43	00-0038	LF	Base, Solid Bottom 10" Wide x 24" Deep Medium Vehicle Trench.....	147.86	
26 05 43	00-0039	LF	Base Open Bottom 10" Wide x 24" Deep Medium Vehicle Trench .....	140.89	
26 05 43	00-0040	EA	End Wall, 10" Wide x 15" Deep Medium Vehicle Trench .....	69.22	
26 05 43	00-0041	EA	End Wall, 10" Wide x 24" Deep Medium Vehicle Trench .....	80.23	
26 05 43	00-0042	LF	Lid, Concrete 10" Wide Medium Vehicle Trench .....	70.99	
26 05 43	00-0043	LF	Lid, Galvanized Steel 10" Wide Medium Vehicle Trench.....	319.74	
26 05 43	00-0044		20" Wide Medium Vehicle Trench <small>(26 05 43 00-0034)</small>		
26 05 43	00-0045	LF	Base, Solid Bottom 20" Wide x 15" Deep Medium Vehicle Trench.....	133.89	
26 05 43	00-0046	LF	Base, Open Bottom 20" Wide x 15" Deep Medium Vehicle Trench.....	125.02	
26 05 43	00-0047	LF	Base, Solid Bottom 20" Wide x 24" Deep Medium Vehicle Trench.....	180.36	
26 05 43	00-0048	LF	Base Open Bottom 20" Wide x 24" Deep Medium Vehicle Trench .....	172.27	
26 05 43	00-0049	EA	End Wall, 20" Wide x 15" Deep Medium Vehicle Trench .....	85.37	
26 05 43	00-0050	EA	End Wall, 20" Wide x 24" Deep Medium Vehicle Trench .....	124.62	
26 05 43	00-0051	LF	Lid, Concrete 20" Wide Medium Vehicle Trench .....	88.78	
26 05 43	00-0052	LF	Lid, Galvanized Steel 20" Wide Medium Vehicle Trench.....	424.09	
26 05 43	00-0053		30" Wide Medium Vehicle Trench <small>(26 05 43 00-0034)</small>		
26 05 43	00-0054	LF	Base, Solid Bottom 30" Wide x 15" Deep Medium Vehicle Trench.....	133.67	
26 05 43	00-0055	LF	Base, Open Bottom 30" Wide x 15" Deep Medium Vehicle Trench.....	161.02	
26 05 43	00-0056	LF	Base, Solid Bottom 30" Wide x 24" Deep Medium Vehicle Trench.....	211.17	
26 05 43	00-0057	LF	Base Open Bottom 30" Wide x 24" Deep Medium Vehicle Trench.....	201.95	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 43 Underground Ducts and Raceways for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 43 00-0058 EA End Wall, 30" Wide x 15" Deep Medium Vehicle Trench.....	121.70	
26 05 43 00-0059 EA End Wall, 30" Wide x 24" Deep Medium Vehicle Trench.....	167.64	
26 05 43 00-0060 LF Lid, Concrete 30" Wide Medium Vehicle Trench.....	111.18	
26 05 43 00-0061 LF Lid, Galvanized Steel 30" Wide Medium Vehicle Trench.....	529.47	
<b>26 05 43 00-0062 40" Wide Medium Vehicle Trench (26 05 43 00-0034)</b>		
26 05 43 00-0063 LF Base, Solid Bottom 40" Wide x 15" Deep Medium Vehicle Trench.....	200.11	
26 05 43 00-0064 LF Base, Open Bottom 40" Wide x 15" Deep Medium Vehicle Trench.....	191.73	
26 05 43 00-0065 LF Base, Solid Bottom 40" Wide x 24" Deep Medium Vehicle Trench.....	245.00	
26 05 43 00-0066 LF Base Open Bottom 40" Wide x 24" Deep Medium Vehicle Trench.....	234.72	
26 05 43 00-0067 EA End Wall, 40" Wide x 15" Deep Medium Vehicle Trench.....	155.78	
26 05 43 00-0068 EA End Wall, 40" Wide x 24" Deep Medium Vehicle Trench.....	214.29	
26 05 43 00-0069 LF Lid, Concrete 40" Wide Medium Vehicle Trench.....	130.78	
26 05 43 00-0070 LF Lid, Galvanized Steel 40" Wide Medium Vehicle Trench.....	720.00	
<b>26 05 43 00-0071 Precast Concrete Trenches, One Piece H20 Road Crossing Trench (26 05 43)</b>		
Note: H20 Rated for 32000 lbs Gross Vehicle Weight. Excludes excavation, removal of dirt and sand bedding.		
<b>26 05 43 00-0072 10" Wide H20 Road Crossing Trench (26 05 43 00-0071)</b>		
26 05 43 00-0073 LF Base, Solid Bottom for Concrete Lid, 10" Wide x 16" Deep Road Crossing Trench.....	232.30	
26 05 43 00-0074 LF Base, Open Bottom for Concrete Lid, 10" Wide x 16" Deep Road Crossing Trench.....	220.99	
26 05 43 00-0075 LF Base, Solid Bottom for Concrete Lid, 10" Wide x 24" Deep Road Crossing Trench.....	289.96	
26 05 43 00-0076 LF Base, Open Bottom for Concrete Lid, 10" Wide x 24" Deep Road Crossing Trench.....	275.70	
26 05 43 00-0077 LF Base, Solid Bottom for Galvanized Steel Lid, 10" Wide x 16" Deep Road Crossing Trench.....	222.99	
26 05 43 00-0078 LF Base, Open Bottom for Galvanized Steel Lid, 10" Wide x 16" Deep Road Crossing Trench.....	212.22	
26 05 43 00-0079 LF Base, Solid Bottom for Galvanized Steel Lid, 10" Wide x 24" Deep Road Crossing Trench.....	280.64	
26 05 43 00-0080 LF Base, Open Bottom for Galvanized Steel Lid, 10" Wide x 24" Deep Road Crossing Trench.....	266.96	
26 05 43 00-0081 EA End Wall for Concrete Lid, 10" Wide x 16" Deep Road Crossing Trench.....	153.08	
26 05 43 00-0082 EA End Wall for Concrete Lid, 10" Wide x 24" Deep Road Crossing Trench.....	207.14	
26 05 43 00-0083 EA End Wall for Galvanized Steel Lid, 10" Wide x 16" Deep Road Crossing Trench.....	138.30	
26 05 43 00-0084 EA End Wall for Galvanized Steel Lid, 10" Wide x 24" Deep Road Crossing Trench.....	192.04	
26 05 43 00-0085 LF Lid, Concrete 10" Wide Road Crossing Trench.....	106.88	
26 05 43 00-0086 LF Lid, Galvanized Steel 10" Wide Road Crossing Trench.....	347.05	
<b>26 05 43 00-0087 20" Wide H20 Road Crossing Trench (26 05 43 00-0071)</b>		
26 05 43 00-0088 LF Base, Solid Bottom for Concrete Lid, 20" Wide x 16" Deep Road Crossing Trench.....	245.72	
26 05 43 00-0089 LF Base, Open Bottom for Concrete Lid, 20" Wide x 16" Deep Road Crossing Trench.....	234.12	
26 05 43 00-0090 LF Base, Solid Bottom for Concrete Lid, 20" Wide x 24" Deep Road Crossing Trench.....	324.81	
26 05 43 00-0091 LF Base, Open Bottom for Concrete Lid, 20" Wide x 24" Deep Road Crossing Trench.....	309.29	
26 05 43 00-0092 LF Base, Solid Bottom for Galvanized Steel Lid, 20" Wide x 16" Deep Road Crossing Trench.....	245.72	
26 05 43 00-0093 LF Base, Open Bottom for Galvanized Steel Lid, 20" Wide x 16" Deep Road Crossing Trench.....	234.12	
26 05 43 00-0094 LF Base, Solid Bottom for Galvanized Steel Lid, 20" Wide x 24" Deep Road Crossing Trench.....	315.49	
26 05 43 00-0095 LF Base, Open Bottom for Galvanized Steel Lid, 20" Wide x 24" Deep Road Crossing Trench.....	300.55	
26 05 43 00-0096 EA End Wall for Concrete Lid, 20" Wide x 16" Deep Road Crossing Trench.....	218.70	
26 05 43 00-0097 EA End Wall for Concrete Lid, 20" Wide x 24" Deep Road Crossing Trench.....	297.47	
26 05 43 00-0098 EA End Wall for Galvanized Steel Lid, 20" Wide x 16" Deep Road Crossing Trench.....	197.18	
26 05 43 00-0099 EA End Wall for Galvanized Steel Lid, 20" Wide x 24" Deep Road Crossing Trench.....	275.94	
26 05 43 00-0100 LF Lid, Concrete 20" Wide Road Crossing Trench.....	119.04	
26 05 43 00-0101 LF Lid, Galvanized Steel 20" Wide Road Crossing Trench.....	515.01	
<b>26 05 43 00-0102 30" Wide H20 Road Crossing Trench (26 05 43 00-0071)</b>		
26 05 43 00-0103 LF Base, Solid Bottom for Concrete Lid, 30" Wide x 16" Deep Road Crossing Trench.....	289.43	
26 05 43 00-0104 LF Base, Open Bottom for Concrete Lid, 30" Wide x 16" Deep Road Crossing Trench.....	276.16	
26 05 43 00-0105 LF Base, Solid Bottom for Concrete Lid, 30" Wide x 24" Deep Road Crossing Trench.....	357.93	
26 05 43 00-0106 LF Base, Open Bottom for Concrete Lid, 30" Wide x 24" Deep Road Crossing Trench.....	341.44	
26 05 43 00-0107 LF Base, Solid Bottom for Galvanized Steel Lid, 30" Wide x 16" Deep Road Crossing Trench.....	280.11	
26 05 43 00-0108 LF Base, Open Bottom for Galvanized Steel Lid, 30" Wide x 16" Deep Road Crossing Trench.....	267.39	
26 05 43 00-0109 LF Base, Solid Bottom for Galvanized Steel Lid, 30" Wide x 24" Deep Road Crossing Trench.....	348.61	
26 05 43 00-0110 LF Base, Open Bottom for Galvanized Steel Lid, 30" Wide x 24" Deep Road Crossing Trench.....	332.38	
26 05 43 00-0111 EA End Wall for Concrete Lid, 30" Wide x 16" Deep Road Crossing Trench.....	291.33	
26 05 43 00-0112 EA End Wall for Concrete Lid, 30" Wide x 24" Deep Road Crossing Trench.....	386.10	
26 05 43 00-0113 EA End Wall for Galvanized Steel Lid, 30" Wide x 16" Deep Road Crossing Trench.....	263.05	
26 05 43 00-0114 EA End Wall for Galvanized Steel Lid, 30" Wide x 24" Deep Road Crossing Trench.....	357.83	
26 05 43 00-0115 LF Lid, Concrete 30" Wide Road Crossing Trench.....	150.76	
26 05 43 00-0116 LF Lid, Galvanized Steel 30" Wide Road Crossing Trench.....	645.87	
<b>26 05 43 00-0117 40" Wide H20 Road Crossing Trench (26 05 43 00-0071)</b>		
26 05 43 00-0118 LF Base, Solid Bottom for Concrete Lid, 40" Wide x 16" Deep Road Crossing Trench.....	318.92	
26 05 43 00-0119 LF Base, Open Bottom for Concrete Lid, 40" Wide x 16" Deep Road Crossing Trench.....	304.66	
26 05 43 00-0120 LF Base, Solid Bottom for Concrete Lid, 40" Wide x 24" Deep Road Crossing Trench.....	392.69	
26 05 43 00-0121 LF Base, Open Bottom for Concrete Lid, 40" Wide x 24" Deep Road Crossing Trench.....	374.79	
26 05 43 00-0122 LF Base, Solid Bottom for Galvanized Steel Lid, 40" Wide x 16" Deep Road Crossing Trench.....	309.60	
26 05 43 00-0123 LF Base, Open Bottom for Galvanized Steel Lid, 40" Wide x 16" Deep Road Crossing Trench.....	295.92	
26 05 43 00-0124 LF Base, Solid Bottom for Galvanized Steel Lid, 40" Wide x 24" Deep Road Crossing Trench.....	383.37	
26 05 43 00-0125 LF Base, Open Bottom for Galvanized Steel Lid, 40" Wide x 24" Deep Road Crossing Trench.....	366.02	
26 05 43 00-0126 EA End Wall for Concrete Lid, 40" Wide x 16" Deep Road Crossing Trench.....	361.39	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 43 00-0127 EA End Wall for Concrete Lid, 40" Wide x 24" Deep Road Crossing Trench .....	478.69	
26 05 43 00-0128 EA End Wall for Galvanized Steel Lid, 40" Wide x 16" Deep Road Crossing Trench.....	326.69	
26 05 43 00-0129 EA End Wall for Galvanized Steel Lid, 40" Wide x 24" Deep Road Crossing Trench.....	444.00	
26 05 43 00-0130 LF Lid, Concrete 40" Wide Road Crossing Trench .....	182.02	
26 05 43 00-0131 LF Lid, Galvanized Steel 40" Wide Road Crossing Trench.....	878.38	

**26 05 46 Utility Poles for Electrical Systems** (26 05)

26 05 46 00-0001 Wood Poles (26 05 46)

26 05 46 00-0002 Wood Pole, Class 3, Penta-Treated To 8 LB Retention (26 05 46 00-0001)

Note: Machine dig and set.

26 05 46 00-0003 EA 25' Treated Wood Pole, Class 3, Machine Dig And Set.....	837.20	252.02
For Class 1 Pole, Add	116.58	
For Class 2 Pole, Add	66.62	
For Class 4 Pole, Deduct	-33.31	
For Class 5 Pole, Deduct	-99.92	
For Class 6 Pole, Deduct	-133.23	
26 05 46 00-0004 EA 30' Treated Wood Pole, Class 3, Machine Dig And Set.....	1,011.48	279.61
For Class 1 Pole, Add	158.28	
For Class 2 Pole, Add	90.44	
For Class 4 Pole, Deduct	-45.22	
For Class 5 Pole, Deduct	-135.67	
For Class 6 Pole, Deduct	-180.89	
26 05 46 00-0005 EA 35' Treated Wood Pole, Class 3, Machine Dig And Set.....	1,308.19	369.81
For Class 1 Pole, Add	199.03	
For Class 2 Pole, Add	113.73	
For Class 4 Pole, Deduct	-56.87	
For Class 5 Pole, Deduct	-170.60	
For Class 6 Pole, Deduct	-227.47	
26 05 46 00-0006 EA 40' Treated Wood Pole, Class 3, Machine Dig And Set.....	1,503.98	406.74
For Class 1 Pole, Add	241.68	
For Class 2 Pole, Add	138.10	
For Class 4 Pole, Deduct	-69.05	
For Class 5 Pole, Deduct	-207.16	
For Class 6 Pole, Deduct	-276.21	
26 05 46 00-0007 EA 45' Treated Wood Pole, Class 3, Machine Dig And Set.....	1,723.93	453.03
For Class 1 Pole, Add	286.23	
For Class 2 Pole, Add	163.56	
For Class 4 Pole, Deduct	-81.78	
For Class 5 Pole, Deduct	-245.34	
For Class 6 Pole, Deduct	-327.12	
26 05 46 00-0008 EA 50' Treated Wood Pole, Class 3, Machine Dig And Set.....	1,964.61	508.43
For Class 1 Pole, Add	331.72	
For Class 2 Pole, Add	189.56	
For Class 4 Pole, Deduct	-94.78	
For Class 5 Pole, Deduct	-284.33	
For Class 6 Pole, Deduct	-379.11	
26 05 46 00-0009 EA 55' Treated Wood Pole, Class 3, Machine Dig And Set.....	2,201.68	559.22
For Class 1 Pole, Add	379.11	
For Class 2 Pole, Add	216.63	
For Class 4 Pole, Deduct	-108.32	
For Class 5 Pole, Deduct	-324.95	
For Class 6 Pole, Deduct	-433.27	
26 05 46 00-0010 EA 60' Treated Wood Pole, Class 3, Machine Dig And Set.....	2,464.80	614.95
For Class 1 Pole, Add	432.19	
For Class 2 Pole, Add	246.96	
For Class 4 Pole, Deduct	-123.48	
For Class 5 Pole, Deduct	-370.45	
For Class 6 Pole, Deduct	-493.93	
26 05 46 00-0011 EA 65' Treated Wood Pole, Class 3, Machine Dig And Set.....	4,185.78	670.25
For Class 1 Pole, Add	995.83	
For Class 2 Pole, Add	569.05	
For Class 4 Pole, Deduct	-284.52	
For Class 5 Pole, Deduct	-853.57	
For Class 6 Pole, Deduct	-1,138.10	
26 05 46 00-0012 EA 70' Treated Wood Pole, Class 3, Machine Dig And Set.....	4,606.86	712.99
For Class 1 Pole, Add	1,113.30	
For Class 2 Pole, Add	636.17	
For Class 4 Pole, Deduct	-318.09	
For Class 5 Pole, Deduct	-954.26	
For Class 6 Pole, Deduct	-1,272.35	
26 05 46 00-0013 EA 75' Treated Wood Pole, Class 3, Machine Dig And Set.....	5,073.90	761.52
For Class 1 Pole, Add	1,242.79	
For Class 2 Pole, Add	710.16	
For Class 4 Pole, Deduct	-355.08	
For Class 5 Pole, Deduct	-1,065.25	
For Class 6 Pole, Deduct	-1,420.33	

26 05 46 00-0014 Removal And Relocation Of Wood Poles With Cross Arm (26 05 46 00-0001)

26 05 46 00-0015 LF Removal And Relocation Of Up To 75' Wood Pole With Cross Arms.....	21.48
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**26 Electrical**  
**26 05 Common Work Results for Electrical**  
**26 05 46 Utility Poles for Electrical Systems**



MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
26 05 46 00-0016		<b>Crossarms</b> <small>(26 05 46)</small> Note: Includes hardware and braces.			
26 05 46 00-0017		<b>Wood Single Arm Crossarms</b> <small>(26 05 46 00-0016)</small>			
26 05 46 00-0018	EA	3-1/2" x 4-1/2" x 5'-7", Single Arm Wood Crossarm, With Hardware And Braces.....	193.19		75.16
26 05 46 00-0019	EA	3-1/2" x 4-1/2" x 8'-0", Single Arm Wood Crossarm, With Hardware And Braces.....	232.61		75.16
26 05 46 00-0020	EA	3-3/4" x 4-3/4" x 10'-0", Single Arm Wood Crossarm, With Hardware And Braces.....	243.71		96.64
26 05 46 00-0021		<b>Wood Double Arm Crossarms</b> <small>(26 05 46 00-0016)</small>			
26 05 46 00-0022	EA	3-1/2" x 4-1/2" x 5'-7", Double Arm Wood Crossarm, With Hardware And Braces.....	494.35		209.39
26 05 46 00-0023	EA	3-1/2" x 4-1/2" x 8'-0", Double Arm Wood Crossarm, With Hardware And Braces.....	527.28		209.39
26 05 46 00-0024	EA	3-3/4" x 4-3/4" x 10'-0", Double Arm Wood Crossarm, With Hardware And Braces.....	547.98		209.39
26 05 46 00-0025		<b>Fiberglass Crossarms</b> <small>(26 05 46 00-0016)</small> Note: Includes hardware.			
26 05 46 00-0026		<b>Single Phase, 15 Degree Angle</b> <small>(26 05 46 00-0025)</small>			
26 05 46 00-0027	EA	Fiberglass Cutout And Arrestor Bracket, 18", Minimum Ultimate Load 800 LB.....	229.75		
26 05 46 00-0028	EA	Fiberglass Insulator Bracket, 14", 11/16" Diameter Hole, Minimum Ultimate Load 1,200 LB.....	286.97		45.09
26 05 46 00-0029	EA	Fiberglass Insulator Bracket, 14", 1" Lead Threaded, Minimum Ultimate Load 1,200 LB.....	297.71		48.32
26 05 46 00-0030		<b>Two Phase, 15 Degree Angle</b> <small>(26 05 46 00-0025)</small>			
26 05 46 00-0031	EA	Fiberglass Insulator Bracket, 36", Minimum Ultimate Load 1,200 LB.....	356.43		57.98
26 05 46 00-0032		<b>Fiberglass Crossarm Accessories</b> <small>(26 05 46 00-0025)</small>			
26 05 46 00-0033	EA	Fiberglass Deadend Crossarm, 36", Minimum Ultimate Load 7,000 LB Per Conductor.....	603.73		74.10
26 05 46 00-0034	EA	Fiberglass Deadend Crossarm, 36", Minimum Ultimate Load 12,000 LB Per Conductor.....	713.26		90.20
26 05 46 00-0035	EA	Pole Top Pin, Hot Dip Galvanized, 18", 1" Lead Threaded.....	104.99		12.89
26 05 46 00-0036	EA	Three Phase Equipment Mounting Bracket.....	524.97		64.42
26 05 46 00-0037	EA	Fiberglass Bull Horn Crossarm.....	400.88		107.38
26 05 46 00-0038		<b>Insulator Support System</b> <small>(26 05 46 00-0016)</small>			
26 05 46 00-0039		<b>Epoxy Construction Units, In Place Mounting</b> <small>(26 05 46 00-0038)</small> Note: Includes hardware.			
26 05 46 00-0040	EA	1-1/2" Diameter x 19" Long Pole Side Pins Vertical (1 Arm Installed), In Place Mounting.....	120.22		
26 05 46 00-0041	EA	1-1/2" Diameter x 15" Long Pole Top Pins, In Place Mounting.....	101.03		
26 05 46 00-0042	EA	Deadend Arms, In Place Mounting.....	316.02		
26 05 46 00-0043	EA	1-1/2" Diameter x 18" Long Pole Side Pins Vertical (2 Arms Installed), In Place Mounting.....	197.04		
26 05 46 00-0044		<b>Epoxy Construction Units, Grounding Mounting</b> <small>(26 05 46 00-0038)</small> Note: Includes hardware.			
26 05 46 00-0045	EA	1-1/2" Diameter x 18" Long Pole Side Pins Vertical, Grounding Mounting.....	89.14		
26 05 46 00-0046	EA	1-1/2" Diameter x 15" Long Pole Top Pins, Grounding Mounting.....	80.31		
26 05 46 00-0047	EA	Deadend Arms, Grounding Mounting.....	295.30		
26 05 46 00-0048		<b>Guying</b> <small>(26 05 46)</small> Note: Includes cable, anchor and rod assembly, guy marker.			
26 05 46 00-0049		<b>Down Guy</b> <small>(26 05 46 00-0048)</small>			
26 05 46 00-0050	EA	Down Guy For 25' To 40' Pole.....	812.83		300.66
26 05 46 00-0051	EA	Down Guy For 45' To 60' Pole.....	832.52		300.66
26 05 46 00-0052	EA	Down Guy For 65' To 75' Pole.....	873.01		300.66
26 05 46 00-0053	EA	Guy Guard, Plastic.....	41.86		
26 05 46 00-0054		<b>Head Guy, 50' Spans</b> <small>(26 05 46 00-0048)</small>			
26 05 46 00-0055	EA	Head Guy (50' Span), For 25' To 40' Pole.....	1,137.72		461.72
26 05 46 00-0056	EA	Head Guy (50' Span), For 45' To 60' Pole.....	1,137.72		461.72
26 05 46 00-0057	EA	Head Guy (50' Span), For 65' To 75' Pole.....	1,137.72		461.72
26 05 46 00-0058		<b>Guy Strain Insulators Additional Insulators</b> <small>(26 05 46 00-0048)</small> Note: As required at same material cost and labor.			
26 05 46 00-0059	EA	Guy Strain Insulator.....	459.80		225.49
26 05 46 00-0060		<b>Insulators</b> <small>(26 05 46)</small>			
26 05 46 00-0061		<b>Pin Insulator With Pin</b> <small>(26 05 46 00-0060)</small>			
26 05 46 00-0062	EA	5 KV Class 55-3, Pin Insulator With Pin.....	145.64		64.42
26 05 46 00-0063	EA	15 KV Class 55-5, Pin Insulator With Pin.....	150.71		64.42





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>26 05 46 00-0064</b> <b>Suspension Insulator</b> <small>(26 05 46 00-0060)</small> Note: Includes clevis and strain clamp.		
26 05 46 00-0065 EA 5 KV Class 52-2, Suspension Insulator, With Clevis And Strain Clamp.....	186.27	85.90
26 05 46 00-0066 EA 15 KV Class 52-4, Suspension Insulator, With Clevis And Strain Clamp.....	200.04	85.90
26 05 46 00-0067 EA 25 KV Class 2 x 52-4, Suspension Insulator, With Clevis And Strain Clamp.....	283.24	107.38
26 05 46 00-0068 EA 50 KV Class 4 x 52-4, Suspension Insulator, With Clevis And Strain Clamp.....	452.31	171.81
<b>26 05 46 00-0069</b> <b>Spool Insulator With Clevis</b> <small>(26 05 46 00-0060)</small>		
26 05 46 00-0070 EA 5 KV Class 53-5, Spool Insulator With Clevis .....	62.01	26.84
26 05 46 00-0071 EA 15 KV Class, Spool Insulator With Clevis .....	199.72	96.64
26 05 46 00-0072 EA 25 KV Class, Spool Insulator With Clevis .....	258.77	96.64
<b>26 05 46 00-0073</b> <b>Secondary Rack</b> <small>(26 05 46 00-0060)</small>		
26 05 46 00-0074 EA 1 Spool Secondary Rack .....	123.06	53.69
26 05 46 00-0075 EA 2 Spool Secondary Rack .....	127.51	68.50
26 05 46 00-0076 EA 3 Spool Secondary Rack .....	190.80	91.27
26 05 46 00-0077 EA 4 Spool Secondary Rack .....	214.09	91.27
<b>26 05 46 00-0078</b> <b>Outdoor Load Break Switches</b> <small>(26 05 46)</small> Note: 3-Phase, group operated, 3-insulator, vertical break, high strength pin insulators worm gear operating mechanism operating rods, mechanisms, and switch bases are galvanized steel.		
<b>26 05 46 00-0079</b> <b>7.2 KV Outdoor Load Break Switches</b> <small>(26 05 46 00-0078)</small>		
26 05 46 00-0080 EA 600 Amperes, 7.2 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator.....	4,655.39	365.08
26 05 46 00-0081 EA 1,200 Amperes, 7.2 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator .....	9,277.25	365.08
26 05 46 00-0082 EA 1,600 Amperes, 7.2 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator .....	13,832.51	617.42
26 05 46 00-0083 EA 2,000 Amperes, 7.2 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator .....	14,054.54	617.42
<b>26 05 46 00-0084</b> <b>14.4 KV Outdoor Load Break Switches</b> <small>(26 05 46 00-0078)</small>		
26 05 46 00-0085 EA 600 Amperes, 14.4 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator .....	5,731.68	365.08
26 05 46 00-0086 EA 1,200 Amperes, 14.4 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator .....	11,004.56	365.08
26 05 46 00-0087 EA 1,600 Amperes, 14.4 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator .....	13,832.51	617.42
26 05 46 00-0088 EA 2,000 Amperes, 14.4 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator .....	14,054.54	617.42
<b>26 05 46 00-0089</b> <b>23 KV Outdoor Load Break Switches</b> <small>(26 05 46 00-0078)</small>		
26 05 46 00-0090 EA 600 Amperes, 23 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator.....	6,307.83	424.14
26 05 46 00-0091 EA 1,200 Amperes, 23 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator .....	12,031.16	424.14
26 05 46 00-0092 EA 1,600 Amperes, 23 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator .....	14,404.25	730.16
26 05 46 00-0093 EA 2,000 Amperes, 23 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator .....	14,633.55	730.16
<b>26 05 46 00-0094</b> <b>Square Distribution Poles</b> <small>(26 05 46)</small>		
<b>26 05 46 00-0095</b> <b>Square Steel Tapered Shaft Distribution Poles</b> <small>(26 05 46 00-0094)</small>		
26 05 46 00-0096 EA 20', Steel Taped Shaft Distribution Pole .....	3,700.14	456.36
26 05 46 00-0097 EA 25', Steel Taped Shaft Distribution Pole .....	4,134.44	483.20
26 05 46 00-0098 EA 30', Steel Taped Shaft Distribution Pole .....	4,474.31	536.89
26 05 46 00-0099 EA 35', Steel Taped Shaft Distribution Pole .....	4,954.92	590.57
26 05 46 00-0100 EA 40', Steel Taped Shaft Distribution Pole .....	6,866.19	644.27
<b>26 05 46 00-0101</b> <b>Square Prestressed Concrete Distribution Poles</b> <small>(26 05 46 00-0094)</small>		
26 05 46 00-0102 EA 30', Prestressed Concrete Square Pole For Distribution.....	4,550.92	803.34
26 05 46 00-0103 EA 35', Prestressed Concrete Square Pole For Distribution.....	5,167.36	881.09
26 05 46 00-0104 EA 40', Prestressed Concrete Square Pole For Distribution.....	6,083.69	984.74
26 05 46 00-0105 EA 45', Prestressed Concrete Square Pole For Distribution.....	6,860.66	1,088.41
26 05 46 00-0106 EA 50', Prestressed Concrete Square Pole For Distribution.....	5,489.76	1,321.63
26 05 46 00-0107 EA 55', Prestressed Concrete Square Pole For Distribution.....	9,682.51	1,554.86
26 05 46 00-0108 EA 60', Prestressed Concrete Square Pole For Distribution.....	11,449.51	1,762.18
26 05 46 00-0109 EA 65', Prestressed Concrete Square Pole For Distribution.....	13,803.64	2,176.81
26 05 46 00-0110 EA 70', Prestressed Concrete Square Pole For Distribution.....	15,477.14	2,384.13
<b>26 05 46 00-0111</b> <b>Aluminum Tapered Poles</b> <small>(26 05 46)</small>		
<b>26 05 46 00-0112</b> <b>Aluminum Tapered Round Seamless Shaft Poles</b> <small>(26 05 46 00-0111)</small>		
26 05 46 00-0113 EA 20', Aluminum Tapered Round Seamless Shaft Pole For Distribution.....	3,165.93	402.66
26 05 46 00-0114 EA 25', Aluminum Tapered Round Seamless Shaft Pole For Distribution.....	4,473.00	429.51
26 05 46 00-0115 EA 30', Aluminum Tapered Round Seamless Shaft Pole For Distribution.....	5,149.68	483.20
26 05 46 00-0116 EA 35', Aluminum Tapered Round Seamless Shaft Pole For Distribution.....	6,128.66	536.89
26 05 46 00-0117 EA 40', Aluminum Tapered Round Seamless Shaft Pole For Distribution.....	9,397.51	590.57
<b>26 05 46 00-0118</b> <b>Steel Service Poles Distribution</b> <small>(26 05 46)</small> Note: Direct embedded, bearing plate on base end, pole cap on top end, grounding nut, galvanized finish.		

**26 Electrical****26 05 Common Work Results for Electrical****26 05 46 Utility Poles for Electrical Systems**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>26 05 46 00-0119 Round Tapered Pole</b> <small>(26 05 46 00-0118)</small>		
26 05 46 00-0120 EA 40', Galvanized Steel Tapered Round Pole For Distribution.....	4,364.57	644.27
26 05 46 00-0121 EA 45', Galvanized Steel Tapered Round Pole For Distribution.....	5,093.32	697.95
26 05 46 00-0122 EA 50', Galvanized Steel Tapered Round Pole For Distribution.....	5,423.41	751.64
26 05 46 00-0123 EA 55', Galvanized Steel Tapered Round Pole For Distribution.....	6,397.28	859.02
26 05 46 00-0124 EA 60', Galvanized Steel Tapered Round Pole For Distribution.....	7,950.88	966.39
26 05 46 00-0125 EA 65', Galvanized Steel Tapered Round Pole For Distribution.....	9,339.93	1,217.98
26 05 46 00-0126 EA 70', Galvanized Steel Tapered Round Pole For Distribution.....	10,384.68	1,381.75
26 05 46 00-0127 EA 75', Galvanized Steel Tapered Round Pole For Distribution.....	11,470.21	1,554.86
26 05 46 00-0128 EA 80', Galvanized Steel Tapered Round Pole For Distribution.....	12,854.98	1,762.18
26 05 46 00-0129 EA 85', Galvanized Steel Tapered Round Pole For Distribution.....	13,742.38	1,865.84
26 05 46 00-0130 EA 90', Galvanized Steel Tapered Round Pole For Distribution.....	14,887.42	2,073.15
26 05 46 00-0131 EA 95', Galvanized Steel Tapered Round Pole For Distribution.....	16,381.25	2,332.30
26 05 46 00-0132 EA 100', Galvanized Steel Tapered Round Pole For Distribution.....	18,036.46	2,643.27
<b>26 05 46 00-0133 12 Sided Tapered</b> <small>(26 05 46 00-0118)</small>		
26 05 46 00-0134 EA 40', Galvanized Steel Tapered 12 Sided Pole For Distribution.....	7,662.21	644.27
26 05 46 00-0135 EA 45', Galvanized Steel Tapered 12 Sided Pole For Distribution.....	8,462.40	697.95
26 05 46 00-0136 EA 50', Galvanized Steel Tapered 12 Sided Pole For Distribution.....	9,292.74	751.64
26 05 46 00-0137 EA 55', Galvanized Steel Tapered 12 Sided Pole For Distribution.....	10,320.14	859.02
26 05 46 00-0138 EA 60', Galvanized Steel Tapered 12 Sided Pole For Distribution.....	13,753.11	966.39
26 05 46 00-0139 EA 65', Galvanized Steel Tapered 12 Sided Pole For Distribution.....	15,177.84	1,217.98
26 05 46 00-0140 EA 70', Galvanized Steel Tapered 12 Sided Pole For Distribution.....	17,595.13	1,381.75
26 05 46 00-0141 EA 75', Galvanized Steel Tapered 12 Sided Pole For Distribution.....	18,907.93	1,554.86
26 05 46 00-0142 EA 80', Galvanized Steel Tapered 12 Sided Pole For Distribution.....	20,283.37	1,762.18
26 05 46 00-0143 EA 85', Galvanized Steel Tapered 12 Sided Pole For Distribution.....	21,487.65	1,865.84
26 05 46 00-0144 EA 90', Galvanized Steel Tapered 12 Sided Pole For Distribution.....	24,410.74	2,073.15
26 05 46 00-0145 EA 95', Galvanized Steel Tapered 12 Sided Pole For Distribution.....	25,877.89	2,332.30
26 05 46 00-0146 EA 100', Galvanized Steel Tapered 12 Sided Pole For Distribution.....	27,595.44	2,643.27
26 05 46 00-0147 EA 105', Galvanized Steel Tapered 12 Sided Pole For Distribution.....	29,440.63	2,954.24
<b>26 05 46 00-0148 Standard Options For Round, 12 Sided and Octagonal Tapered Poles</b> <small>(26 05 46 00-0118)</small>		
26 05 46 00-0149 EA Ladder Clips.....	22.89	
26 05 46 00-0150 EA Coal Tar Epoxy Coating From Base To 1' Above Ground Line.....	171.74	
26 05 46 00-0151 EA Ground Sleeve-2' At Ground Line.....	172.74	
<b>26 05 46 00-0152 Arms With Baseplates And Endplates</b> <small>(26 05 46 00-0118)</small>		
26 05 46 00-0153 EA 4' Arm With Baseplate And Endplate.....	787.45	107.38
26 05 46 00-0154 EA 5' Arm With Baseplate And Endplate.....	865.11	107.38
26 05 46 00-0155 EA 6' Arm With Baseplate And Endplate.....	1,051.00	161.07
26 05 46 00-0156 EA 7' Arm With Baseplate And Endplate.....	1,118.92	161.07
26 05 46 00-0157 EA 8' Arm With Baseplate And Endplate.....	1,303.15	214.75
26 05 46 00-0158 EA 9' Arm With Baseplate And Endplate.....	1,380.76	214.75
26 05 46 00-0159 EA 10' Arm With Baseplate And Endplate.....	1,847.34	268.44
26 05 46 00-0160 EA 11' Arm With Baseplate And Endplate.....	1,934.47	268.44
<b>26 05 46 00-0161 Standard Vangs Load Bearing At Any Angle</b> <small>(26 05 46 00-0118)</small>		
26 05 46 00-0162 EA 15,000 LB Standard Vangs Load Bearing At Any Angle.....	278.79	107.38
26 05 46 00-0163 EA 30,000 LB Standard Vangs Load Bearing At Any Angle.....	326.37	107.38
26 05 46 00-0164 EA 45,000 LB Standard Vangs Load Bearing At Any Angle.....	391.42	107.38
<b>26 05 46 00-0165 Armless Construction Brackets</b> <small>(26 05 46 00-0118)</small>		
<b>26 05 46 00-0166 Verticals Insulator And Equipment Bracket</b> <small>(26 05 46 00-0165)</small>		
26 05 46 00-0167 EA 7" 1 Position Vertical Insulation And Equipment Bracket.....	286.55	107.38
26 05 46 00-0168 EA 12" 1 Position Vertical Insulation And Equipment Bracket.....	316.59	107.38
26 05 46 00-0169 EA 12" 3 Position Vertical Insulation And Equipment Bracket.....	365.39	107.38
26 05 46 00-0170 EA 18" 1 Position Vertical Insulation And Equipment Bracket.....	504.28	161.07
26 05 46 00-0171 EA 18" 3 Position Vertical Insulation And Equipment Bracket.....	532.78	161.07
<b>26 05 46 00-0172 Horizontal And Multiple Insulator Brackets</b> <small>(26 05 46 00-0165)</small>		
26 05 46 00-0173 EA Sidepole 1 7/8" Clearance Horizontal And Multiple Insulation Brackets.....	263.16	107.38
26 05 46 00-0174 EA Sidepole 2" Clearance Horizontal And Multiple Insulation Brackets.....	326.28	107.38
26 05 46 00-0175 EA Sidepole 9" Clearance Horizontal And Multiple Insulation Brackets.....	473.71	161.07
26 05 46 00-0176 EA Sidepole 10" Clearance Horizontal And Multiple Insulation Brackets.....	622.68	161.07
26 05 46 00-0177 EA Sidepole 15" Clearance Horizontal And Multiple Insulation Brackets.....	792.55	214.75
26 05 46 00-0178 EA Sidepole 20" Clearance Horizontal And Multiple Insulation Brackets.....	871.61	214.75
<b>26 05 46 00-0179 Pole Top Bracket And Pins</b> <small>(26 05 46 00-0165)</small>		
26 05 46 00-0180 EA Pole Top Pin - 5".....	272.32	107.38
26 05 46 00-0181 EA Pole Top Bracket - 5".....	287.65	107.38



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>26 05 46 00-0182 Angle Pins</b> <small>(26 05 46 00-0165)</small>					
			26 05 46 00-0183 EA Angle Pin - 25 Degree, 6" .....	270.25	107.38
			26 05 46 00-0184 EA Angle Pin - 25 Degree, 7 1/4" .....	320.02	107.38
<b>26 05 46 00-0185 Static And Neutral Wire Brackets</b> <small>(26 05 46 00-0165)</small>					
			26 05 46 00-0186 EA Neutral Wire Extension Bracket.....	287.06	107.38
			26 05 46 00-0187 EA Static Wire Support Bracket.....	292.24	107.38
<b>26 05 46 00-0188 Cutout, Arrestor And Terminator Brackets</b> <small>(26 05 46 00-0165)</small>					
			26 05 46 00-0189 EA Cutout And Arrestor, With Mounting Bracket .....	248.82	107.38
			26 05 46 00-0190 EA Equipment Mounting T Bracket.....	271.12	107.38
			26 05 46 00-0191 EA 15 KV Cutout .....	373.17	
			26 05 46 00-0192 EA 9/10 KV Arrestor .....	341.80	107.38
<b>26 05 46 00-0193 Spacer Cable, Conduit Support And Cluster Bracket</b> <small>(26 05 46 00-0165)</small>					
			26 05 46 00-0194 EA Parallel Cable Spacer .....	324.27	107.38
			26 05 46 00-0195 EA Conduit Standoff Support Bracket .....	307.73	107.38
			26 05 46 00-0196 EA Three Transformer Pole Mounted Cluster Bracket .....	881.52	107.38
<b>26 05 46 00-0197 15 KV, 200 Amperes, Solenoid Operated High Voltage Switch</b> <small>(26 05 46 00-0165)</small>					
			Note: Includes pole mounting bracket.		
			26 05 46 00-0198 EA 15 KV, 1 Phase, Solenoid Switch With Pole Bracket.....	1,918.78	268.44
<b>26 05 46 00-0199 Octagonal Tapered</b> <small>(26 05 46 00-0118)</small>					
			26 05 46 00-0200 EA 40', Galvanized Steel Tapered Octagonal Pole For Distribution .....	7,907.30	644.27
			26 05 46 00-0201 EA 45', Galvanized Steel Tapered Octagonal Pole For Distribution .....	8,734.24	697.95
			26 05 46 00-0202 EA 50', Galvanized Steel Tapered Octagonal Pole For Distribution .....	9,683.78	751.64
			26 05 46 00-0203 EA 55', Galvanized Steel Tapered Octagonal Pole For Distribution .....	10,621.91	912.71
			26 05 46 00-0204 EA 60', Galvanized Steel Tapered Octagonal Pole For Distribution .....	14,207.66	966.39
			26 05 46 00-0205 EA 65', Galvanized Steel Tapered Octagonal Pole For Distribution .....	15,668.05	1,217.98
			26 05 46 00-0206 EA 70', Galvanized Steel Tapered Octagonal Pole For Distribution .....	18,165.55	1,295.72
			26 05 46 00-0207 EA 75', Galvanized Steel Tapered Octagonal Pole For Distribution .....	19,516.22	1,554.86
			26 05 46 00-0208 EA 80', Galvanized Steel Tapered Octagonal Pole For Distribution .....	20,927.30	1,658.52
			26 05 46 00-0209 EA 85', Galvanized Steel Tapered Octagonal Pole For Distribution .....	22,169.48	1,865.84
			26 05 46 00-0210 EA 90', Galvanized Steel Tapered Octagonal Pole For Distribution .....	25,188.38	1,969.50
			26 05 46 00-0211 EA 95', Galvanized Steel Tapered Octagonal Pole For Distribution .....	26,695.64	2,332.30
			26 05 46 00-0212 EA 100', Galvanized Steel Tapered Octagonal Pole For Distribution .....	28,453.30	2,487.78
			26 05 46 00-0213 EA 105', Galvanized Steel Tapered Octagonal Pole For Distribution .....	30,343.05	2,798.75
<b>26 05 46 00-0214 Removal And Relocation Of Steel Service Poles</b> <small>(26 05 46 00-0118)</small>					
			26 05 46 00-0215 LF Removal And Relocation Of Steel Service Poles With Arms Up To 60' .....		37.58
<b>26 05 46 00-0216 Special Steel Bases For Poles</b> <small>(26 05 46 00-0116)</small>					
			26 05 46 00-0217 EA Spin-In Steel Base For Poles.....	265.07	
			26 05 46 00-0218 EA Series 3, 25' Pole And less.....	298.33	53.69
			26 05 46 00-0219 EA Series 4, 40' Pole And less.....	356.88	61.74
			26 05 46 00-0220 EA Series 5, 50' Pole And less.....	410.04	67.11
<b>26 05 53 Identification for Electrical Systems</b> <small>(26 05)</small>					
<b>26 05 53 00-0001 Conduit Markers Pressure Sensitive</b> <small>(26 05 53)</small>					
			Note: Stick-on, includes arrow tape.		
			26 05 53 00-0002 EA 1/2" Outside Diameter Pressure Sensitive Marker Stick-on .....	11.08	
			26 05 53 00-0003 EA 3/4" Outside Diameter Pressure Sensitive Marker Stick-on .....	11.53	
			26 05 53 00-0004 EA 1" Outside Diameter Pressure Sensitive Marker Stick-on .....	12.45	
			26 05 53 00-0005 EA 1-1/4" Outside Diameter Pressure Sensitive Marker Stick-on.....	12.63	
			26 05 53 00-0006 EA 1-1/2" Outside Diameter Pressure Sensitive Marker Stick-on.....	12.80	
			26 05 53 00-0007 EA 2" Outside Diameter Pressure Sensitive Marker Stick-on.....	13.08	
			26 05 53 00-0008 EA 2-1/2" Outside Diameter Pressure Sensitive Marker Stick-on.....	15.86	
			26 05 53 00-0009 EA 3" Outside Diameter Pressure Sensitive Marker Stick-on.....	16.22	
			26 05 53 00-0010 EA 3-1/2" Outside Diameter Pressure Sensitive Marker Stick-on.....	16.49	
			26 05 53 00-0011 EA 4" Outside Diameter Pressure Sensitive Marker Stick-on.....	16.78	
			26 05 53 00-0012 EA 4-1/2" Outside Diameter Pressure Sensitive Marker Stick-on.....	17.34	
			26 05 53 00-0013 EA 5" Outside Diameter Pressure Sensitive Marker Stick-on.....	17.95	
			26 05 53 00-0014 EA 6" Outside Diameter Pressure Sensitive Marker Stick-on.....	18.48	
			26 05 53 00-0015 EA 7" Outside Diameter Pressure Sensitive Marker Stick-on.....	19.01	
			26 05 53 00-0016 EA 8" Outside Diameter Pressure Sensitive Marker Stick-on.....	21.22	
			26 05 53 00-0017 EA 10" Outside Diameter Pressure Sensitive Marker Stick-on.....	22.21	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 53 Identification for Electrical Systems**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

<b>26 05 53 00-0018 Labeling Existing Electrical Wires</b> <small>(26 05 53)</small>		
Note: Self-adhesive vinyl coated white cloth		
26 05 53 00-0019	EA Labeling Existing Wire .....	2.81

<b>26 05 53 00-0020 Equipment Labeling</b> <small>(26 05 53)</small>		
26 05 53 00-0021	EA Label Both Ends Of One 4 Pair Cable .....	17.78
26 05 53 00-0022	EA Label single gang face plate (2 labels required) .....	14.22
26 05 53 00-0023	EA Label two gang face plate (4 labels required) .....	21.33
26 05 53 00-0024	EA Label both ends of a Siamese (dual 4 Pair cable) .....	17.78

**26 05 83 Wiring Connections** (26 05)

<b>26 05 83 00-0001 Tape Wrapped Compression Connectors</b> <small>(26 05 83)</small>		
26 05 83 00-0002	EA #6 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volt.....	13.37 4.06
26 05 83 00-0003	EA #4 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volt.....	14.79 4.51
26 05 83 00-0004	EA #2 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volt.....	16.22 4.96
26 05 83 00-0005	EA 1/0 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volt.....	19.03 5.42
26 05 83 00-0006	EA 2/0 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volt.....	20.45 5.87
26 05 83 00-0007	EA 3/0 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volt.....	22.80 6.32
26 05 83 00-0008	EA 4/0 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volt.....	24.48 6.77
26 05 83 00-0009	EA 250 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volt.....	26.74 7.22
26 05 83 00-0010	EA 300 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volt.....	29.55 8.12
26 05 83 00-0011	EA 350 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volt.....	30.93 8.59
26 05 83 00-0012	EA 400 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volt.....	34.87 9.04
26 05 83 00-0013	EA 500 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volt.....	38.26 9.49
26 05 83 00-0014	EA 750 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volt.....	42.94 10.39
26 05 83 00-0015	EA 1,000 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volt.....	50.08 11.74

<b>26 05 83 00-0016 One Hole Compression Lugs</b> <small>(26 05 83)</small>		
26 05 83 00-0017	EA #22-18 AWG Low Voltage (To 600 Volt) One Hole Compression Lug.....	16.12 11.74
26 05 83 00-0018	EA #16-14 AWG Low Voltage (To 600 Volt) One Hole Compression Lug.....	16.29 11.74
26 05 83 00-0019	EA #12-10 AWG Low Voltage (To 600 Volt) One Hole Compression Lug.....	18.48 12.65
26 05 83 00-0020	EA #8 AWG Low Voltage (To 600 Volt) One Hole Compression Lug.....	23.44 14.00
26 05 83 00-0021	EA #6 AWG Low Voltage (To 600 Volt) One Hole Compression Lug.....	32.61 18.06
26 05 83 00-0022	EA #4 AWG Low Voltage (To 600 Volt) One Hole Compression Lug.....	37.79 18.06
26 05 83 00-0023	EA #2 AWG Low Voltage (To 600 Volt) One Hole Compression Lug.....	43.49 18.06
26 05 83 00-0024	EA 1/0 AWG Low Voltage (To 600 Volt) One Hole Compression Lug.....	53.22 27.10
26 05 83 00-0025	EA 2/0 AWG Low Voltage (To 600 Volt) One Hole Compression Lug.....	62.07 27.10
26 05 83 00-0026	EA 3/0 AWG Low Voltage (To 600 Volt) One Hole Compression Lug.....	72.52 27.10
26 05 83 00-0027	EA 4/0 AWG Low Voltage (To 600 Volt) One Hole Compression Lug.....	87.29 36.13
26 05 83 00-0028	EA 250 MCM Low Voltage (To 600 Volt) One Hole Compression Lug.....	103.45 54.19
26 05 83 00-0029	EA 300 MCM Low Voltage (To 600 Volt) One Hole Compression Lug.....	118.39 54.19
26 05 83 00-0030	EA 350 MCM Low Voltage (To 600 Volt) One Hole Compression Lug.....	127.13 54.19
26 05 83 00-0031	EA 400 MCM Low Voltage (To 600 Volt) One Hole Compression Lug.....	138.79 63.23
26 05 83 00-0032	EA 500 MCM Low Voltage (To 600 Volt) One Hole Compression Lug.....	151.89 63.23
26 05 83 00-0033	EA 750 MCM Low Voltage (To 600 Volt) One Hole Compression Lug.....	164.90 72.25
26 05 83 00-0034	EA 1,000 MCM Low Voltage (To 600 Volt) One Hole Compression Lug.....	195.69 81.29

<b>26 05 83 00-0035 Two Hole Compression Lugs</b> <small>(26 05 83)</small>		
26 05 83 00-0036	EA #8 AWG Low Voltage (To 600 Volt) Two Hole Compression Lug.....	33.23 15.36
26 05 83 00-0037	EA #6 AWG Low Voltage (To 600 Volt) Two Hole Compression Lug.....	35.84 16.35
26 05 83 00-0038	EA #4 AWG Low Voltage (To 600 Volt) Two Hole Compression Lug.....	37.60 16.35
26 05 83 00-0039	EA #2 AWG Low Voltage (To 600 Volt) Two Hole Compression Lug.....	43.27 18.79
26 05 83 00-0040	EA 1/0 AWG Low Voltage (To 600 Volt) Two Hole Compression Lug.....	52.99 23.48
26 05 83 00-0041	EA 2/0 AWG Low Voltage (To 600 Volt) Two Hole Compression Lug.....	61.83 27.91
26 05 83 00-0042	EA 3/0 AWG Low Voltage (To 600 Volt) Two Hole Compression Lug.....	72.25 32.70
26 05 83 00-0043	EA 4/0 AWG Low Voltage (To 600 Volt) Two Hole Compression Lug.....	86.98 39.65
26 05 83 00-0044	EA 250 MCM Low Voltage (To 600 Volt) Two Hole Compression Lug.....	103.09 47.06
26 05 83 00-0045	EA 300 MCM Low Voltage (To 600 Volt) Two Hole Compression Lug.....	117.98 53.74
26 05 83 00-0046	EA 350 MCM Low Voltage (To 600 Volt) Two Hole Compression Lug.....	126.70 57.90
26 05 83 00-0047	EA 400 MCM Low Voltage (To 600 Volt) Two Hole Compression Lug.....	138.28 62.69
26 05 83 00-0048	EA 500 MCM Low Voltage (To 600 Volt) Two Hole Compression Lug.....	151.32 68.46
26 05 83 00-0049	EA 750 MCM Low Voltage (To 600 Volt) Two Hole Compression Lug.....	165.86 74.25
26 05 83 00-0050	EA 1,000 MCM Low Voltage (To 600 Volt) Two Hole Compression Lug.....	206.90 90.33

<b>26 05 83 00-0051 Tape Wrapped Split Bolt Connectors</b> <small>(26 05 83)</small>		
26 05 83 00-0052	EA #8 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt .....	48.65 36.13
26 05 83 00-0053	EA #6 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt .....	53.49 38.84
26 05 83 00-0054	EA #4 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt .....	61.07 40.65
26 05 83 00-0055	EA #2 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt .....	71.38 45.16
26 05 83 00-0056	EA 1/0 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt .....	84.77 49.68
26 05 83 00-0057	EA 2/0 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt .....	96.61 54.19
26 05 83 00-0058	EA 3/0 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt .....	121.33 58.71
26 05 83 00-0059	EA 4/0 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt .....	130.27 63.23
26 05 83 00-0060	EA 250 MCM Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt .....	137.48 67.74



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 83 00-0061 EA 300 MCM Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt .....	159.18	74.52
26 05 83 00-0062 EA 350 MCM Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt .....	180.85	108.39
26 05 83 00-0063 EA 400 MCM Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt .....	198.92	90.33
26 05 83 00-0064 EA 500 MCM Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt .....	216.97	121.94
26 05 83 00-0065 EA 750 MCM Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt .....	244.88	126.46
26 05 83 00-0066 EA 1,000 MCM Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt .....	281.63	135.48
<b>26 05 83 00-0067 Cable Termination Lugs Handwrapped, No Stress Cone (26 05 83)</b>		
26 05 83 00-0068 EA #8 Or #6 AWG Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volt.....	86.15	36.13
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.97	
26 05 83 00-0069 EA #4 AWG Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volt.....	95.18	36.13
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	21.50	
26 05 83 00-0070 EA 1/0 AWG Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volt.....	131.23	54.19
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	30.11	
26 05 83 00-0071 EA 4/0 AWG Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volt.....	148.06	54.19
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	34.74	
26 05 83 00-0072 EA 300 MCM Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volt.....	178.01	67.74
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	41.06	
26 05 83 00-0073 EA 500 MCM Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volt.....	250.30	90.33
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	56.45	
<b>26 05 83 00-0074 Terminal Blocks (26 05 83)</b>		
Note: Labor excludes wire termination.		
26 05 83 00-0075 EA Power Distribution Block, 250 MCM 3 Phase Terminal Block, No Labor Wire Termination, 600 Volt.....	856.45	334.20
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	200.72	
26 05 83 00-0076 EA #22 To #10 Wire Size, 12 Point, 600 Volt Terminal Block .....	260.24	45.26
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	27.42	
26 05 83 00-0077 EA #8 To #2 Wire Size, 12 Point, 600 Volt Terminal Block .....	291.40	45.26
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	27.71	
<b>26 05 83 00-0078 Parallel Gutter Tap Or Motor Connection (26 05 83)</b>		
26 05 83 00-0079 EA #8 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	33.22	16.35
26 05 83 00-0080 EA #6 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	35.84	16.35
26 05 83 00-0081 EA #4 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	37.60	16.35
26 05 83 00-0082 EA #2 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	43.27	18.79
26 05 83 00-0083 EA 1/0 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	52.99	23.48
26 05 83 00-0084 EA 2/0 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	61.83	27.91
26 05 83 00-0085 EA 3/0 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	72.26	32.70
26 05 83 00-0086 EA 4/0 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	86.98	39.65
26 05 83 00-0087 EA 250 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	103.09	47.06
26 05 83 00-0088 EA 300 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	117.98	53.74
26 05 83 00-0089 EA 350 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	126.70	57.90
26 05 83 00-0090 EA 400 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	138.28	62.69
26 05 83 00-0091 EA 500 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	151.32	68.46
26 05 83 00-0092 EA 750 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap.....	151.83	68.46
26 05 83 00-0093 EA #8 AWG Parallel Gutter Tap, Versitap, Insulating Cover .....	33.22	16.35
26 05 83 00-0094 EA #6 AWG Parallel Gutter Tap, Versitap, Insulating Cover .....	35.84	16.35
26 05 83 00-0095 EA #4 AWG Parallel Gutter Tap, Versitap, Insulating Cover .....	37.60	16.35
26 05 83 00-0096 EA #2 AWG Parallel Gutter Tap, Versitap, Insulating Cover .....	43.27	18.79
26 05 83 00-0097 EA 1/0 AWG Parallel Gutter Tap, Versitap, Insulating Cover .....	52.99	23.48
26 05 83 00-0098 EA 2/0 AWG Parallel Gutter Tap, Versitap, Insulating Cover .....	61.83	27.91
26 05 83 00-0099 EA 3/0 AWG Parallel Gutter Tap, Versitap, Insulating Cover .....	72.26	32.70
26 05 83 00-0100 EA 4/0 AWG Parallel Gutter Tap, Versitap, Insulating Cover .....	86.98	39.65
26 05 83 00-0101 EA 250 MCM Parallel Gutter Tap, Versitap, Insulating Cover .....	103.09	47.06
26 05 83 00-0102 EA 300 MCM Parallel Gutter Tap, Versitap, Insulating Cover .....	117.98	53.74
26 05 83 00-0103 EA 350 MCM Parallel Gutter Tap, Versitap, Insulating Cover .....	126.70	57.90
26 05 83 00-0104 EA 400 MCM Parallel Gutter Tap, Versitap, Insulating Cover .....	138.28	62.69
26 05 83 00-0105 EA 500 MCM Parallel Gutter Tap, Versitap, Insulating Cover .....	151.32	68.46
26 05 83 00-0106 EA 750 MCM Parallel Gutter Tap, Versitap, Insulating Cover .....	151.83	68.46
<b>26 05 83 00-0107 Copper Mechanical Lugs (26 05 83)</b>		
26 05 83 00-0108 EA #8 Copper Mechanical Lugs .....	26.52	11.29
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.78	
26 05 83 00-0109 EA #6 Copper Mechanical Lugs .....	31.76	13.64
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.18	
26 05 83 00-0110 EA #4 Copper Mechanical Lugs .....	36.67	15.81
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.48	
26 05 83 00-0111 EA #2 Copper Mechanical Lugs .....	48.28	20.14
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.10	
26 05 83 00-0112 EA 1/0 Copper Mechanical Lugs .....	65.06	27.10
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.26	
26 05 83 00-0113 EA 2/0 Copper Mechanical Lugs .....	78.02	31.43
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.89	
26 05 83 00-0114 EA 3/0 Copper Mechanical Lugs .....	91.61	36.13
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	21.68	
26 05 83 00-0115 EA 4/0 Copper Mechanical Lugs .....	104.63	40.56
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.31	

**26 Electrical**  
**26 05 Common Work Results for Electrical**  
**26 05 83 Wiring Connections**



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 83 00-0116 EA 250 MCM Copper Mechanical Lugs.....	120.50	45.16
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.10	
26 05 83 00-0117 EA 300 MCM Copper Mechanical Lugs.....	136.15	49.68
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29.82	
26 05 83 00-0118 EA 350 MCM Copper Mechanical Lugs.....	151.75	54.19
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32.51	
26 05 83 00-0119 EA 400 MCM Copper Mechanical Lugs.....	167.25	58.71
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	35.20	
26 05 83 00-0120 EA 500 MCM Copper Mechanical Lugs.....	182.98	63.23
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	37.94	
26 05 83 00-0121 EA 750 MCM Copper Mechanical Lugs.....	207.17	71.98
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	43.22	
26 05 83 00-0122 EA 1,000 MCM Copper Mechanical Lugs.....	234.69	81.29
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	48.77	
<b>26 05 83 00-0123 Gel Connectors <small>(26 05 83)</small></b>		
26 05 83 00-0124 EA 3 Port, #14 to 2/0, Push On Gel Stub Splice Kit.....	63.96	
Note: Kit contains connector, gel filled cap and cap clamp.		
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.72	
26 05 83 00-0125 EA 4 Port, #14 to 2, Gel Tap Splice Kit.....	60.94	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.26	
<b>26 05 83 00-0126 Other Connections <small>(26 05 83)</small></b>		
26 05 83 00-0127 EA #14 AWG Motor Connection, Spade Lug, Machine Bolt/Nut, Insulated With Tape.....	9.31	4.12
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.48	
26 05 83 00-0128 EA #12 AWG Motor Connection, Spade Lug, Machine Bolt/Nut, Insulated With Tape.....	9.41	4.12
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.48	
26 05 83 00-0129 EA #10 AWG Motor Connection, Spade Lug, Machine Bolt/Nut, Insulated With Tape.....	9.52	4.12
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.48	
<b>26 05 83 00-0130 Motor/Equipment Connections And Terminations <small>(26 05 83)</small></b>		
Note: Includes rotation testing. If equipment rating is other than horsepower (KW, CFM, tons, Btu/Hr, etc.) convert units to horsepower and select proper circuit characteristics. Includes material conduit (6 LF max.), connectors and conductors. To connect electrical wiring to all new or existing equipment motors.		
<b>26 05 83 00-0131 AC Single Phase, 230 Volt <small>(26 05 83 00-0130)</small></b>		
26 05 83 00-0132 EA <1/2 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	59.50	22.58
26 05 83 00-0133 EA 1/2 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	59.01	22.58
26 05 83 00-0134 EA 3/4 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	68.62	27.10
26 05 83 00-0135 EA 1 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	83.23	33.87
26 05 83 00-0136 EA 1-1/2 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	84.19	33.87
26 05 83 00-0137 EA 2 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	84.38	33.87
26 05 83 00-0138 EA 3 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	87.56	33.87
26 05 83 00-0139 EA 5 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	110.53	45.16
26 05 83 00-0140 EA 7-1/2 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	114.09	45.16
26 05 83 00-0141 EA 10 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	144.65	56.45
<b>26 05 83 00-0142 AC Three Phase, 230 Volt <small>(26 05 83 00-0130)</small></b>		
26 05 83 00-0143 EA 1/2 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	59.01	22.58
26 05 83 00-0144 EA 3/4 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	68.62	27.10
26 05 83 00-0145 EA 1 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	83.23	33.87
26 05 83 00-0146 EA 1-1/2 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	84.19	33.87
26 05 83 00-0147 EA 2 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	84.38	33.87
26 05 83 00-0148 EA 3 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	87.56	33.87
26 05 83 00-0149 EA 5 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	110.53	45.16
26 05 83 00-0150 EA 7-1/2 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	114.09	45.16
26 05 83 00-0151 EA 10 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	144.65	56.45
26 05 83 00-0152 EA 15 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	149.46	56.45
26 05 83 00-0153 EA 20 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	190.99	67.74
26 05 83 00-0154 EA 25 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	198.32	67.74
26 05 83 00-0155 EA 30 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	272.05	90.33
26 05 83 00-0156 EA 40 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	341.27	112.90
26 05 83 00-0157 EA 50 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	400.48	135.48
26 05 83 00-0158 EA 60 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	478.92	158.07
26 05 83 00-0159 EA 75 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	551.21	180.65
26 05 83 00-0160 EA 100 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	683.01	225.81
26 05 83 00-0161 EA 125 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	805.24	268.72
26 05 83 00-0162 EA 150 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	957.01	313.42
26 05 83 00-0163 EA 200 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	1,347.55	470.04
<b>26 05 83 00-0164 AC Three Phase, 460 Volt <small>(26 05 83 00-0130)</small></b>		
26 05 83 00-0165 EA 1/2 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	59.01	22.58
26 05 83 00-0166 EA 3/4 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	68.62	27.10
26 05 83 00-0167 EA 1 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	83.23	33.87
26 05 83 00-0168 EA 1-1/2 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	84.19	33.87
26 05 83 00-0169 EA 2 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	84.38	33.87
26 05 83 00-0170 EA 3 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	87.56	33.87



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 83 00-0171 EA 5 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	110.53	45.16
26 05 83 00-0172 EA 7-1/2 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing .....	114.09	45.16
26 05 83 00-0173 EA 10 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	144.65	56.45
26 05 83 00-0174 EA 15 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	149.46	56.45
26 05 83 00-0175 EA 20 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	191.00	67.74
26 05 83 00-0176 EA 25 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	198.31	67.74
26 05 83 00-0177 EA 30 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	272.05	90.33
26 05 83 00-0178 EA 40 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	341.54	113.09
26 05 83 00-0179 EA 50 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	400.48	135.48
26 05 83 00-0180 EA 60 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	478.92	158.07
26 05 83 00-0181 EA 75 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	551.21	180.65
26 05 83 00-0182 EA 100 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	683.01	225.81
26 05 83 00-0183 EA 125 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	805.50	268.81
26 05 83 00-0184 EA 150 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	957.36	313.60
26 05 83 00-0185 EA 200 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	1,348.33	470.41

26 05 83 00-0186 AC Single Phase, 120 Volt <small>(26 05 83 00-0130)</small>		
26 05 83 00-0187 EA 1/2 HP AC And Less Single Phase, 120 Volt Motor/Equipment, Connection, Termination And Rotation Testing .....	59.50	22.58
26 05 83 00-0188 Motor Moisture Sensor <small>(26 05 83 00-0130)</small>		
26 05 83 00-0189 EA Motor Moisture Sensor Located In Winding.....	924.84	

## 26 09 Instrumentation and Control for Electrical Systems (26)

Note: Includes testing of new devices and certification.

### 26 09 23 Lighting Control Devices (26 09)

26 09 23 00-0001 Lighting Contactors <small>(26 09 23)</small>		
Note: Up to 600 volt.		
26 09 23 00-0002 Electrically Held, Lighting Contactors <small>(26 09 23 00-0001)</small>		
26 09 23 00-0003 NEMA 1 Enclosure, Electrically Held, Lighting Contactors <small>(26 09 23 00-0002)</small>		
26 09 23 00-0004 2-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactors <small>(26 09 23 00-0003)</small>		
26 09 23 00-0005 EA 20 Amperes, 2 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	485.99	72.25
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	43.36	
26 09 23 00-0006 EA 30 Amperes, 2 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	609.15	81.29
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	48.77	
26 09 23 00-0007 EA 60 Amperes, 2 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	1,167.63	126.46
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	75.87	
26 09 23 00-0008 EA 100 Amperes, 2 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	1,845.25	171.62
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	102.97	
26 09 23 00-0009 EA 200 Amperes, 2 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	3,983.85	225.81
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	135.49	
26 09 23 00-0010 3-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactors <small>(26 09 23 00-0003)</small>		
26 09 23 00-0011 EA 20 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	549.17	81.29
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	48.77	
26 09 23 00-0012 EA 30 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	666.62	90.33
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	54.20	
26 09 23 00-0013 EA 60 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	1,256.30	144.52
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	86.71	
26 09 23 00-0014 EA 100 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	1,988.33	189.68
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	113.81	
26 09 23 00-0015 EA 200 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	4,270.12	248.39
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	149.03	
26 09 23 00-0016 4-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactors <small>(26 09 23 00-0003)</small>		
26 09 23 00-0017 EA 20 Amperes, 4 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	652.36	90.33
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	54.20	
26 09 23 00-0018 EA 30 Amperes, 4 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	792.57	99.35
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	59.61	
26 09 23 00-0019 EA 60 Amperes, 4 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	1,532.59	162.58
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	97.55	
26 09 23 00-0020 EA 100 Amperes, 4 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	2,398.79	207.75
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	124.65	
26 09 23 00-0021 EA 200 Amperes, 4 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	5,500.19	270.97
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	162.58	
26 09 23 00-0022 NEMA 3R Enclosure, Electrically Held, Lighting Contactors <small>(26 09 23 00-0002)</small>		
26 09 23 00-0023 2-Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactors <small>(26 09 23 00-0002)</small>		
26 09 23 00-0024 EA 30 Amperes, 2 Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactor.....	829.67	81.29
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	48.77	

**26 Electrical****26 09 Instrumentation and Control for Electrical Systems****26 09 23 Lighting Control Devices**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0025 EA 60 Amperes, 2 Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactor ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,715.05 75.87	126.46
26 09 23 00-0026 EA 100 Amperes, 2 Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactor ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,600.42 102.97	171.62
<b>26 09 23 00-0027 3-Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactors (26 09 23 00-0022)</b>		
26 09 23 00-0028 EA 30 Amperes, 3 Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactor ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,212.20 54.20	90.33
26 09 23 00-0029 EA 60 Amperes, 3 Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactor ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,876.04 86.71	144.52
26 09 23 00-0030 EA 100 Amperes, 3 Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactor ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,865.32 113.81	189.68
26 09 23 00-0031 EA 200 Amperes, 3 Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactor ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,801.40 149.03	248.39
<b>26 09 23 00-0032 4-Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactors (26 09 23 00-0022)</b>		
26 09 23 00-0033 EA 30 Amperes, 4 Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactor ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,132.24 59.61	99.35
26 09 23 00-0034 EA 60 Amperes, 4 Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactor ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,868.35 97.55	162.58
26 09 23 00-0035 EA 100 Amperes, 4 Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactor ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,568.34 124.65	207.75
<b>26 09 23 00-0036 NEMA 4 Enclosure, Electrically Held, Lighting Contactors (26 09 23 00-0002)</b>		
<b>26 09 23 00-0037 2-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactors (26 09 23 00-0036)</b>		
26 09 23 00-0038 EA 20 Amperes, 2 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	849.00 43.36	72.25
26 09 23 00-0039 EA 30 Amperes, 2 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,090.43 48.77	81.29
26 09 23 00-0040 EA 60 Amperes, 2 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,127.38 75.87	126.46
26 09 23 00-0041 EA 100 Amperes, 2 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,208.41 102.97	171.62
26 09 23 00-0042 EA 200 Amperes, 2 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,310.52 135.49	225.81
<b>26 09 23 00-0043 3-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactors (26 09 23 00-0036)</b>		
26 09 23 00-0044 EA 20 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	874.24 48.77	81.29
26 09 23 00-0045 EA 30 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,147.91 54.20	90.33
26 09 23 00-0046 EA 60 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,218.86 86.71	144.52
26 09 23 00-0047 EA 100 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,350.56 113.81	189.68
26 09 23 00-0048 EA 200 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,595.85 149.03	248.39
<b>26 09 23 00-0049 4-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactors (26 09 23 00-0036)</b>		
26 09 23 00-0050 EA 20 Amperes, 4 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	942.56 54.20	90.33
26 09 23 00-0051 EA 30 Amperes, 4 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,273.86 59.61	99.35
26 09 23 00-0052 EA 60 Amperes, 4 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,869.49 97.55	162.58
26 09 23 00-0053 EA 100 Amperes, 4 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,135.35 124.65	207.75
26 09 23 00-0054 EA 200 Amperes, 4 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8,857.91 162.58	270.97
<b>26 09 23 00-0055 NEMA 12/3R Enclosure, Electrically Held, Lighting Contactors (26 09 23 00-0002)</b>		
<b>26 09 23 00-0056 2-Pole, NEMA 12/3R Enclosure, Electrically Held, Lighting Contactors (26 09 23 00-0055)</b>		
26 09 23 00-0057 EA 60 Amperes, 2 Pole, NEMA 12/3R Enclosure, Electrically Held, Lighting Contactor ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,621.94 75.87	126.46
26 09 23 00-0058 EA 100 Amperes, 2 Pole, NEMA 12/3R Enclosure, Electrically Held, Lighting Contactor ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,727.55 102.97	171.62
26 09 23 00-0059 EA 200 Amperes, 2 Pole, NEMA 12/3R Enclosure, Electrically Held, Lighting Contactor ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,438.58 135.49	225.81
<b>26 09 23 00-0060 3-Pole, NEMA 12/3R Enclosure, Electrically Held, Lighting Contactors (26 09 23 00-0055)</b>		
26 09 23 00-0061 EA 60 Amperes, 3 Pole, NEMA 12/3R Enclosure, Electrically Held, Lighting Contactor ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,793.87 86.71	144.52





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0062 EA 100 Amperes, 3 Pole, NEMA 12/3R Enclosure, Electrically Held, Lighting Contactor ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,957.69 113.81	189.68
<b>26 09 23 00-0063 4-Pole, NEMA 12/3R Enclosure, Electrically Held, Lighting Contactors (26 09 23 00-0055)</b>		
26 09 23 00-0064 EA 60 Amperes, 4 Pole, NEMA 12/3R Enclosure, Electrically Held, Lighting Contactor ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,365.79 97.55	162.58
26 09 23 00-0065 EA 100 Amperes, 4 Pole, NEMA 12/3R Enclosure, Electrically Held, Lighting Contactor ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,902.10 124.65	207.75
<b>26 09 23 00-0066 Mechanically Held, Lighting Contactors (26 09 23 00-0001)</b>		
<b>26 09 23 00-0067 NEMA 1 Enclosure, Mechanically Held, Lighting Contactors (26 09 23 00-0066)</b>		
<b>26 09 23 00-0068 2-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactors (26 09 23 00-0067)</b>		
26 09 23 00-0069 EA 20 Amperes, 2 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	750.56 43.36	72.25
26 09 23 00-0070 EA 30 Amperes, 2 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	854.95 48.77	81.29
26 09 23 00-0071 EA 60 Amperes, 2 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,646.10 75.87	126.46
26 09 23 00-0072 EA 100 Amperes, 2 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,298.38 102.97	171.62
26 09 23 00-0073 EA 200 Amperes, 2 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,454.90 135.49	225.81
<b>26 09 23 00-0074 3-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactors (26 09 23 00-0067)</b>		
26 09 23 00-0075 EA 20 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	798.36 48.77	81.29
26 09 23 00-0076 EA 30 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	914.30 54.20	90.33
26 09 23 00-0077 EA 60 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,737.58 86.71	144.52
26 09 23 00-0078 EA 100 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,442.40 113.81	189.68
26 09 23 00-0079 EA 200 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,139.90 149.03	248.39
<b>26 09 23 00-0080 4-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactors (26 09 23 00-0067)</b>		
26 09 23 00-0081 EA 20 Amperes, 4 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	859.50 54.20	90.33
26 09 23 00-0082 EA 30 Amperes, 4 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	971.77 59.61	99.35
26 09 23 00-0083 EA 60 Amperes, 4 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,039.20 97.55	162.58
26 09 23 00-0084 EA 100 Amperes, 4 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,880.07 124.65	207.75
26 09 23 00-0085 EA 200 Amperes, 4 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7,440.33 162.58	270.97
<b>26 09 23 00-0086 NEMA 4 Enclosure, Mechanically Held, Lighting Contactors (26 09 23 00-0066)</b>		
<b>26 09 23 00-0087 2-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactors (26 09 23 00-0086)</b>		
26 09 23 00-0088 EA 20 Amperes, 2 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,159.71 43.36	72.25
26 09 23 00-0089 EA 30 Amperes, 2 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,336.24 48.77	81.29
26 09 23 00-0090 EA 60 Amperes, 2 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,608.66 75.87	126.46
26 09 23 00-0091 EA 100 Amperes, 2 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,661.55 102.97	171.62
26 09 23 00-0092 EA 200 Amperes, 2 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7,779.70 135.49	225.81
<b>26 09 23 00-0093 3-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactors (26 09 23 00-0086)</b>		
26 09 23 00-0094 EA 20 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,220.84 48.77	81.29
26 09 23 00-0095 EA 30 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,395.59 54.20	90.33
26 09 23 00-0096 EA 60 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,700.15 86.71	144.52
26 09 23 00-0097 EA 100 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,806.51 113.81	189.68
26 09 23 00-0098 EA 200 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8,466.57 149.03	248.39

**26 Electrical**  
**26 09 Instrumentation and Control for Electrical Systems**  
**26 09 23 Lighting Control Devices**



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0099		<b>4-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactors</b> <small>(26 09 23 00-0086)</small>		
26 09 23 00-0100	EA	20 Amperes, 4 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,287.11 54.20	90.33
26 09 23 00-0101	EA	30 Amperes, 4 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,453.05 59.61	99.35
26 09 23 00-0102	EA	60 Amperes, 4 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,376.10 97.55	162.58
26 09 23 00-0103	EA	100 Amperes, 4 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,616.63 124.65	207.75
26 09 23 00-0104	EA	200 Amperes, 4 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10,729.57 162.58	270.97
26 09 23 00-0105		<b>NEMA 12/3R Enclosure, Mechanically Held, Lighting Contactors</b> <small>(26 09 23 00-0066)</small>		
26 09 23 00-0106		<b>2-Pole, NEMA 12/3R Enclosure, Mechanically Held, Lighting Contactors</b> <small>(26 09 23 00-0105)</small>		
26 09 23 00-0107	EA	30 Amperes, 2 Pole, NEMA 12/3R Enclosure, Mechanically Held, Lighting Contactor ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	693.05 48.77	81.29
26 09 23 00-0108	EA	60 Amperes, 2 Pole, NEMA 12/3R Enclosure, Mechanically Held, Lighting Contactor ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,299.88 75.87	144.52
26 09 23 00-0109	EA	100 Amperes, 2 Pole, NEMA 12/3R Enclosure, Mechanically Held, Lighting Contactor ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,771.76 102.97	171.62
26 09 23 00-0110	EA	200 Amperes, 2 Pole, NEMA 12/3R Enclosure, Mechanically Held, Lighting Contactor ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,265.49 135.49	225.81
26 09 23 00-0111		<b>3-Pole, NEMA 12/3R Enclosure, Mechanically Held, Lighting Contactors</b> <small>(26 09 23 00-0105)</small>		
26 09 23 00-0112	EA	30 Amperes, 3 Pole, NEMA 12/3R Enclosure, Mechanically Held, Lighting Contactor ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	734.97 54.20	90.33
26 09 23 00-0113		<b>4-Pole, NEMA 12/3R Enclosure, Mechanically Held, Lighting Contactors</b> <small>(26 09 23 00-0105)</small>		
26 09 23 00-0114	EA	200 Amperes, 4 Pole, NEMA 12/3R Enclosure, Mechanically Held, Lighting Contactor ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,781.43 162.58	270.97
26 09 23 00-0115		<b>Combination Lighting Contactors</b> <small>(26 09 23)</small> Note: Up to 600 volt.		
26 09 23 00-0116		<b>Electrically Held, Combination Lighting Contactors</b> <small>(26 09 23 00-0115)</small>		
26 09 23 00-0117		<b>NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactors</b> <small>(26 09 23 00-0116)</small>		
26 09 23 00-0118		<b>3-Pole, NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactors</b> <small>(26 09 23 00-0117)</small>		
26 09 23 00-0119	EA	30 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,486.35 59.61	99.35
26 09 23 00-0120	EA	60 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,327.51 95.38	158.97
26 09 23 00-0121	EA	100 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,803.17 125.19	208.65
26 09 23 00-0122	EA	200 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7,043.78 163.94	273.23
26 09 23 00-0123		<b>NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactors</b> <small>(26 09 23 00-0116)</small>		
26 09 23 00-0124		<b>3-Pole, NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactors</b> <small>(26 09 23 00-0123)</small>		
26 09 23 00-0125	EA	30 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,768.37 59.61	99.35
26 09 23 00-0126	EA	60 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,303.30 95.38	158.97
26 09 23 00-0127	EA	100 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7,250.96 125.19	208.65
26 09 23 00-0128	EA	200 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11,454.14 163.94	273.23
26 09 23 00-0129		<b>Mechanically Held, Combination Lighting Contactors</b> <small>(26 09 23 00-0115)</small>		



	MINOR CSI UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0130		<b>NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactors</b> <sup>(26 09 23 00-0129)</sup>		
26 09 23 00-0131		<b>3-Pole, NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactors</b> <sup>(26 09 23 00-0130)</sup>		
26 09 23 00-0132	EA	30 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,632.71 59.61	99.35
26 09 23 00-0133	EA	60 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,834.12 95.38	158.97
26 09 23 00-0134	EA	100 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,283.05 125.19	208.65
26 09 23 00-0135	EA	200 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8,407.42 163.94	273.23
26 09 23 00-0136		<b>NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactors</b> <sup>(26 09 23 00-0129)</sup>		
26 09 23 00-0137		<b>3-Pole, NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactors</b> <sup>(26 09 23 00-0136)</sup>		
26 09 23 00-0138	EA	30 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,916.13 59.61	99.35
26 09 23 00-0139	EA	60 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,812.73 95.38	158.97
26 09 23 00-0140	EA	100 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7,732.24 125.19	208.65
26 09 23 00-0141	EA	200 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12,817.78 163.94	273.23
26 09 23 00-0142		<b>Photo-Cell, Relay, Lighting Arrester, Receptacle And Bracket</b> <sup>(26 09 23)</sup>		
26 09 23 00-0143	EA	105 To 130 Volt Relay, Photo-Cell, Lighting Arrester, Receptacle And Bracket ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	111.60 14.11	23.48
26 09 23 00-0144	EA	105 To 285 Volt Relay, Photo-Cell, Lighting Arrester, Receptacle And Bracket ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	122.30 14.11	23.48
26 09 23 00-0145		<b>Dimming Module System (Lutron Grafik Eye)</b> <sup>(26 09 23)</sup>		
26 09 23 00-0146	EA	2,000 Watt Dimming Capacity, 120/277 Volt, Dimming Module System (Lutron Grafik Eye Hi-Power HP-2)..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,675.22 54.20	90.33
26 09 23 00-0147	EA	4,000 Watt Dimming Capacity, 120/277 Volt, Dimming Module System (Lutron Grafik Eye Hi-Power HP-4)..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,182.81 54.20	90.33
26 09 23 00-0148	EA	6,000 Watt Dimming Capacity, 120/277 Volt, Dimming Module System (Lutron Grafik Eye Hi-Power HP-6)..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,699.46 54.20	90.33
26 09 23 00-0149		<b>Dimming Module Contol (Leviton)</b> <sup>(26 09 23)</sup>		
26 09 23 00-0150	EA	5 Amperes, Wireless Dimming Module (Leviton WSD05-9D0)..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	217.02 6.79	11.32
26 09 23 00-0151		<b>Light Control Panels</b> <sup>(26 09 23)</sup>		
26 09 23 00-0152		<b>Lighting Control Panels (Watt Stopper)</b> <sup>(26 09 23 00-0151)</sup>		
26 09 23 00-0153		<b>Lighting Control Panels (Watt Stopper)</b> <sup>(26 09 23 00-0152)</sup>		
26 09 23 00-0154	EA	4 Relays, Surface Mount, Lighting Control Panel (Watt Stopper LP8S-4) ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,828.42 76.04	126.73
26 09 23 00-0155	EA	8 Relays, Surface Mount, Lighting Control Panel (Watt Stopper LP8S-8) ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,703.25 81.47	135.78
26 09 23 00-0156	EA	8 Relays, Surface Mount, Lighting Control Panel With Group Switching Card (Watt Stopper LP8S-8-G) ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,927.06 81.47	135.78
26 09 23 00-0157	EA	8 Relays, Surface Mount, Lighting Control Panel With DIN Rail (Watt Stopper LP24S-8) ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,928.66 81.47	135.78
26 09 23 00-0158	EA	8 Relays, Surface Mount, Lighting Control Panel With Group Switching Card And DIN Rail (Watt Stopper LP24S-8-G) ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,191.42 81.47	135.78
26 09 23 00-0159	EA	4 Relays, Flush Mount, Lighting Control Panel (Watt Stopper LP8F-4) ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,043.66 76.04	126.73
26 09 23 00-0160	EA	8 Relays, Flush Mount, Lighting Control Panel (Watt Stopper LP8F-8) ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,193.03 81.47	135.78
26 09 23 00-0161	EA	8 Relays, Flush Mount, Lighting Control Panel With Group Switching Card (Watt Stopper LP8F-8-G) ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,455.53 81.47	135.78
26 09 23 00-0162	EA	8 Relays, Flush Mount, Lighting Control Panel With DIN Rail (Watt Stopper LP24F-8) ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,033.67 81.47	135.78

**26 Electrical****26 09 Instrumentation and Control for Electrical Systems****26 09 23 Lighting Control Devices**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0163 EA 8 Relays, Flush Mount, Lighting Control Panel With Group Switching Card And DIN Rail (Watt Stopper LP24F-8-G).....	3,296.41	135.78
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	81.47	
<b>26 09 23 00-0164 Accessories For Lighting Control Panels (Watt Stopper) (26 09 23 00-0152)</b>		
26 09 23 00-0165 EA Low Voltage Photocell For Watt Stopper Lighting Control Panels (Watt Stopper EM-24A2).....	170.04	22.63
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.58	
26 09 23 00-0166 EA Automatic Control Switch For Watt Stopper Lighting Control Panels (Watt Stopper AS-100-W).....	130.39	18.10
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.86	
26 09 23 00-0167 EA Low Voltage Momentary Switch For Watt Stopper Lighting Control Panels (Watt Stopper DCC2).....	62.87	18.10
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.86	
<b>26 09 23 00-0168 Lighting Control Panels (Synergy) (26 09 23 00-0151)</b>		
<b>26 09 23 00-0169 Lighting Control Panels (Synergy) (26 09 23 00-0168)</b>		
26 09 23 00-0170 EA 8 Relays, Surface Mount, Lighting Control Panel (Synergy SwitchPak SPAK 8S).....	2,663.93	135.78
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	81.47	
<b>26 09 23 00-0171 Accessories For Lighting Control Panels (Synergy) (26 09 23 00-0168)</b>		
26 09 23 00-0172 EA Outdoor Photocell For Synergy SwitchPak Lighting Control Panels (Synergy LSA-APS-OL).....	660.80	22.63
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.58	
26 09 23 00-0173 EA Sweepswitch, Line Voltage Override Switch For Synergy SwitchPak Lighting Control Panels (Synergy SSPL-20).....	255.74	9.06
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.43	
26 09 23 00-0174 EA Override Switch For Synergy SwitchPak Lighting Control Panels (Synergy LVPS-2BT).....	138.99	13.58
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.15	
<b>26 09 23 00-0175 Lighting Switching Panels (Lutron) (26 09 23 00-0151)</b>		
<b>26 09 23 00-0176 Lighting Switching Panels (Lutron) (26 09 23 00-0175)</b>		
26 09 23 00-0177 EA 8 Switch Legs, Surface Mount, Feed-Through, Lighting Switching Panels (Lutron Softswitch128® XPS8-FT).....	2,150.20	135.78
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	81.47	
26 09 23 00-0178 EA 12 Switch Legs, Surface Mount, Feed-Through, Lighting Switching Panels (Lutron Softswitch128® XPS12-FT).....	2,976.79	144.84
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	86.90	
26 09 23 00-0179 EA 16 Switch Legs, Surface Mount, Feed-Through, Lighting Switching Panels (Lutron Softswitch128® XPS16-FT).....	3,922.91	153.88
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	92.33	
<b>26 09 23 00-0180 Wireless (ZigBee) LED Lighting Control Panels (PlanLED GigaTera) (26 09 23 00-0151)</b>		
26 09 23 00-0181 EA 6 Zone, Surface Mount, 0 To 10 Volt Dimming, Wireless (ZigBee) LED Lighting Control Panel (PlanLED GigaTera IPC6Z).....	1,413.14	126.73
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	76.04	
26 09 23 00-0182 EA 12 Zone, Surface Mount, 0 To 10 Volt Dimming, Wireless (ZigBee) LED Lighting Control Panel (PlanLED GigaTera IPC12Z).....	1,623.99	126.73
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	76.04	
26 09 23 00-0183 EA 18 Zone, Surface Mount, 0 To 10 Volt Dimming, Wireless (ZigBee) LED Lighting Control Panel (PlanLED GigaTera IPC18Z).....	1,834.84	126.73
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	76.04	
<b>26 09 23 00-0184 Power Filters (26 09 23 00-0151)</b>		
26 09 23 00-0185 EA 600 Amperes, 480/277 Volt, 4 Conductor Power Filter With 80" X 60" X 17" Enclosure.....	33,537.56	752.67
26 09 23 00-0186 EA 200 Amperes, 480/277 Volt, 4 Conductor Power Filter With 25" X 40" X 17" Enclosure.....	19,873.82	327.24
<b>26 09 23 00-0187 Signal Filters (26 09 23 00-0151)</b>		
26 09 23 00-0188 EA 0.5 Amperes, 125 Volt, 500 Conductor Signal Filter With 19" X 36-3/4" X 19-1/8 Case.....	15,249.14	684.29
26 09 23 00-0189 EA 0.5 Amperes, 125 Volt, 200 Conductor Signal Filter With 29" X 40" X 11" Case.....	10,445.98	418.20
26 09 23 00-0190 EA 0.5 Amperes, 125 Volt, 3 Pair Conductor Signal Filter With 12" X 12" X 4" Case.....	5,824.30	242.79
26 09 23 00-0191 EA 5 Amperes, 24 Volt DC, 5 Volt, 2 - 1 Pair Conductor Signal Filter With Case.....	7,959.78	242.79
<b>26 09 23 00-0192 Lighting Control Devices (Encelium) (26 09 23)</b>		
26 09 23 00-0193 EA 8 Port, G4, Wired Energy Control Unit, GreenBus II™ (120 Volt) With Polaris 3D™ (Encelium EN-ECU-G4-P3D).....	15,902.52	90.53
Note: Excludes GB II cable.		
26 09 23 00-0194 EA Server, System Support Unit (SSU) (Encelium EN-SSU-1U).....	7,233.79	90.53
Note: Excludes GB II and Ethernet cable.		
26 09 23 00-0195 EA Server, System Support Unit (SSU), VIRTUAL (Encelium EN-SW-SSUVIRT).....	3,732.91	90.53
Note: Excludes GB II and Ethernet cable.		
26 09 23 00-0196 EA Server, System Support Unit (SSU) With BACnet (Encelium EN-SSU-BIF-KIT).....	15,996.43	90.53
Note: Excludes GB II and Ethernet cable.		
26 09 23 00-0197 EA Isolated, Wired Luminaire Control Module (Encelium EN-iLCM-1R10V-GB2-BK).....	117.99	11.32
Note: Excludes GB II cable.		
26 09 23 00-0198 EA Damp Rated, Isolated, Wired Luminaire Control Module (Encelium EN-iLCM-1R10V-GB2-BK/DR).....	187.35	11.32
Note: Excludes GB II cable.		
26 09 23 00-0199 EA Wired Area Lighting Controller, Heavy Duty Relay With 0-10V Dimming (Encelium EN-ALC-1R10V-GB2-BK).....	229.58	22.63
Note: Excludes GB II cable.		



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0200	EA			Damp Rated, Wired Area Lighting Controller, Heavy Duty Relay With 0-10V Dimming (Encelium EN-ALC-1R10V-GB2-BK-DR).....	280.57	22.63
				Note: Excludes GB II cable.		
26 09 23 00-0201	EA			Wired Sensor Interface Module (Encelium EN-SIM-AI/SPS-GB2-BK).....	140.62	22.63
				Note: Excludes GB II cable.		
26 09 23 00-0202	EA			Damp Rated, Wired Sensor Interface Module (Encelium EN-SIM-AI/SPS-GB2-BK/DR).....	209.98	22.63
				Note: Excludes GB II cable.		
26 09 23 00-0203	EA			16 Port, Rack Mounted, Wired Ethernet Switch (Encelium ETH-700) .....	537.61	45.26
				Note: Excludes cable.		
26 09 23 00-0204	EA			Rack Mounted, Wired Power Bar (Encelium PWR-700) .....	395.12	45.26
26 09 23 00-0205	EA			Rack Mounted, Wired Power Bar With Surge Protection (Encelium PWR-800) .....	753.32	45.26
26 09 23 00-0206	EA			Wall Mounted, 4U Mounting Rack (Encelium RCK-700).....	234.09	45.26
26 09 23 00-0207	EA			4 Port, 10/100 VP, Dual WAN, Wired Router (Encelium RV042) .....	848.75	45.26
				Note: Excludes cable.		
26 09 23 00-0208	EA			Wired BACnet Interface (Encelium BIF-600) .....	9,124.73	181.04
				Note: Excludes cable.		
26 09 23 00-0209	EA			Wired AV Interface (Encelium EN-SW-AVINT).....	6,822.99	45.26
				Note: Excludes cable.		
26 09 23 00-0210	EA			Two Button, GB2, Wired Wall Station (Encelium EN-WS-2B-GB2-WH) .....	248.14	11.32
				Note: Includes white finish. Excludes GB II cable.		
26 09 23 00-0211	EA			3 Scene, GB2, Wired Wall Station (Encelium EN-WS-SC3-GB2-WH) .....	304.49	11.32
				Note: Includes white finish. Excludes GB II cable.		
26 09 23 00-0212	EA			3 Zone, GB2, Wired Wall Station (Encelium EN-WS-ZC3-GB2-WH).....	290.89	11.32
				Note: Includes white finish. Excludes GB II cable.		
26 09 23 00-0213	EA			5 Scene, GB2, Wired Wall Station (Encelium EN-WS-SC5-GB2-WH) .....	304.49	11.32
				Note: Includes white finish. Excludes GB II cable.		
26 09 23 00-0214	EA			6 Zone, GB2, Wired Wall Station (Encelium EN-WS-ZC6-GB2-WH).....	290.89	11.32
				Note: Includes white finish. Excludes GB II cable.		
26 09 23 00-0215	EA			Rocker Switch, GB2, Wired Wall Station (Encelium EN-WS-R-GB2-WT) .....	217.68	11.32
				Note: Includes white finish. Excludes GB II cable.		
26 09 23 00-0216	EA			Scene Controller, GB2, Wired Wall Station (Encelium EN-WS-SC3D-GB2-WT).....	304.49	11.32
				Note: Includes white finish. Excludes GB II cable.		
26 09 23 00-0217	EA			3 Zone Controller, GB2, Wired Wall Station (Encelium EN-WS-ZC3-GB2-WT) .....	290.89	11.32
				Note: Includes white finish. Excludes GB II cable.		
26 09 23 00-0218	EA			Wired Key Switch Controller (Encelium KSW-300).....	212.19	11.32
				Note: Excludes GB II cable.		
26 09 23 00-0219	EA			Wall Station Surface Mount Kit (Encelium EN-SMK-ZB-WH) .....	85.38	11.32
				Note: Includes white finish.		
26 09 23 00-0220	EA			1/2' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-0.5FT-GB2) .....	59.52	22.63
26 09 23 00-0221	EA			1' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-01FT-GB2) .....	60.12	22.63
26 09 23 00-0222	EA			5' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-05FT-GB2) .....	64.92	22.63
26 09 23 00-0223	EA			10' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-10FT-GB2) .....	69.66	22.63
26 09 23 00-0224	EA			15' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-15FT-GB2) .....	75.32	22.63
26 09 23 00-0225	EA			20' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-20FT-GB2) .....	80.42	22.63
26 09 23 00-0226	EA			25' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-25FT-GB2) .....	86.69	22.63
26 09 23 00-0227	EA			50' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-50FT-GB2) .....	115.02	22.63
26 09 23 00-0228	EA			1,000' Box, GreenBus II™ Cable (Encelium EN-BC-1000FT-GB2) .....	831.23	22.63
26 09 23 00-0229	EA			Box Of 50, Greenbus II™ Connectors (Encelium EN-CON-50-GB2).....	189.06	22.63
26 09 23 00-0230	EA			1,000' Box, Category 5, Network Cable (Encelium NWC-400-B).....	1,078.01	22.63
26 09 23 00-0231	EA			Indoor Wired Photo Sensor (Encelium PHS-700).....	606.91	45.26
				Note: Excludes GB II cable.		
26 09 23 00-0232	EA			Outdoor Wired Photo Sensor (Encelium PHS-800).....	606.91	45.26
				Note: Excludes GB II cable.		
26 09 23 00-0233	EA			Skylight Wired Photo Sensor (Encelium PHS-900).....	606.91	45.26
				Note: Excludes GB II cable.		
26 09 23 00-0234	EA			450 SF, 360 Degree, Passive Infrared, Ceiling Mounted, Wired Occupancy Sensor (Encelium SCP-0450).....	299.85	45.26
				Note: Excludes GB II cable.		
26 09 23 00-0235	EA			1,500 SF, 360 Degree, Passive Infrared, Ceiling Mounted, Wired Occupancy Sensor (Encelium SCP-1500).....	289.55	45.26
				Note: Excludes GB II cable.		
26 09 23 00-0236	EA			2,500 SF, Wide View, Passive Infrared, Wall Mounted, Wired Occupancy Sensor (Encelium SWP-WV00).....	296.42	45.26
				Note: Excludes GB II cable.		
26 09 23 00-0237	EA			High-Bay, Passive Infrared, Wall Mounted, Wired Occupancy Sensor (Encelium SWP-HBAY).....	330.74	45.26
				Note: Excludes GB II cable.		
26 09 23 00-0238	EA			Long-Range, Passive Infrared, Wall Mounted, Wired Occupancy Sensor (Encelium SWP-LRNG) .....	296.42	45.26
				Note: Excludes GB II cable.		
26 09 23 00-0239	EA			120-277 Volt AC, No Neutral, Passive Infrared, Wall Switch Mounted, Wired Occupancy Sensor (Encelium SSP-LNV) .....	227.80	45.26
				Note: Excludes GB II cable.		
26 09 23 00-0240	EA			High Bay, Passive Infrared, Fixture Mounted, Wired Occupancy Sensor (Encelium WSPM24V).....	243.49	45.26
				Note: Excludes GB II cable.		
26 09 23 00-0241	EA			High Bay, Passive Infrared, Surface Mounted, Wired Occupancy Sensor (Encelium WSPSM24V).....	243.49	45.26
				Note: Excludes GB II cable.		
26 09 23 00-0242	EA			360 Degree Lens, Wired Occupancy Sensor (Encelium WSPLNS360) .....	112.76	45.26
				Note: Excludes GB II cable.		
26 09 23 00-0243	EA			Passive Infrared, Wall Switch Mounted, Wired Occupancy Sensor (Encelium PW-100-24).....	304.91	45.26
				Note: Excludes GB II cable.		
26 09 23 00-0244	EA			Hallway, Wired Occupancy Sensor (Encelium HW-13) .....	444.80	45.26
				Note: Excludes GB II cable.		
26 09 23 00-0245	EA			500 SF, 180 Degree, (Multi) Passive Infrared And Ultrasonic, Ceiling Mounted, Wired Occupancy Sensor (Encelium SCM-0500) .....	385.64	45.26
				Note: Excludes GB II cable.		
26 09 23 00-0246	EA			1,000 SF, 360 Degree, (Multi) Passive Infrared And Ultrasonic, Ceiling Mounted, Wired Occupancy Sensor (Encelium SCM-1000) .....	413.09	45.26
				Note: Excludes GB II cable.		

**26 Electrical****26 09 Instrumentation and Control for Electrical Systems****26 09 23 Lighting Control Devices**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0247 EA 2,000 SF, 360 Degree, (Multi) Passive Infrared And Ultrasonic, Ceiling Mounted, Wired Occupancy Sensor (Encelium SCM-2000) ..... Note: Excludes GB II cable.	426.83	45.26
26 09 23 00-0248 EA 1,200 SF, (Multi) Passive Infrared And Ultrasonic, Wall Mounted, Wired Occupancy Sensor (Encelium SWM-1200) ..... Note: Excludes GB II cable.	382.21	45.26
26 09 23 00-0249 EA 120-277 Volt AC, No Neutral, Passive Infrared And Ultrasonic, Wall Switch Mounted, Wired Occupancy Sensor (Encelium SSM-LNV)..... Note: Excludes GB II cable.	313.59	45.26
26 09 23 00-0250 EA 500 SF, 180 Degree, Dual Technology, Ceiling Mounted, Wired Occupancy Sensor (Encelium OSC05-M0W) ..... Note: Excludes GB II cable.	400.40	45.26
26 09 23 00-0251 EA 1,200 SF, 360 Degree, Dual Technology, Wall Mounted, Wired Occupancy Sensor (Encelium OSW12-M0W) ..... Note: Excludes GB II cable.	396.81	45.26
26 09 23 00-0252 EA 2,000 SF, 360 Degree, Dual Technology, Ceiling Mounted, Wired Occupancy Sensor (Encelium OSC20-M0W) ..... Note: Excludes GB II cable.	443.63	45.26
26 09 23 00-0253 EA 1,000 SF, 360 Degree, Dual Technology, Ceiling Mounted, Wired Occupancy Sensor (Encelium OSC10-M0W) ..... Note: Excludes GB II cable.	429.24	45.26
26 09 23 00-0254 EA Dual Technology, Wall Switch Mounted, Wired Occupancy Sensor (Encelium DW-100-24)..... Note: Excludes GB II cable.	464.42	45.26
26 09 23 00-0255 EA Dual Technology, Wall Switch Mounted, Wired Occupancy Sensor (Encelium WSD-PDT-LV)..... Note: Excludes GB II cable.	429.38	45.26
26 09 23 00-0256 EA Wide View, Dual Technology, Wired Occupancy Sensor (Encelium WV-PDT) ..... Note: Excludes GB II cable.	429.38	45.26
26 09 23 00-0257 EA 10 Amperes, 120 Volt, Single Relay, UL924 Automatic Load Control Relay (ALCR) (Encelium ESRU1C).....	271.24	45.26
26 09 23 00-0258 EA 10A, 277V, Single Relay, UL924 Automatic Load Control Relay (ALCR) (Encelium ESRH1C).....	292.81	45.26
26 09 23 00-0259 EA 20 Amperes, 120 Volt, Dual Relay, UL924 Automatic Load Control Relay (ALCR) (Encelium ESR01P).....	537.13	45.26
26 09 23 00-0260 EA 20A, 277V, Dual Relay, UL924 Automatic Load Control Relay (ALCR) (Encelium ESR02P).....	576.73	45.26
26 09 23 00-0261 EA 10 Amperes, 120 Volt, Dual Relay, UL924 Automatic Load Control Relay (ALCR) (Encelium ESR2401D).....	416.97	45.26
26 09 23 00-0262 EA 10A, 277V, Dual Relay, UL924 Automatic Load Control Relay (ALCR) (Encelium ESR2402D).....	436.10	45.26
26 09 23 00-0263 EA 24 Circuit, Relay Module (Encelium EN-RPM-24C-GB2)..... Note: Excludes GB II cable and enclosure.	1,279.15	90.53
26 09 23 00-0264 EA 24 Circuit, 120/277V, Relay Panel With Relay Module (Encelium EN-RP-24C-GB2-120/277V) ..... Note: Excludes GB II cable.	3,940.07	362.08
26 09 23 00-0265 EA 12 Relays, 24 Circuit, 120-347V, Emergency Relay Panel (Encelium EN-RPA12R120-347V) ..... Note: Excludes GB II cable.	5,869.62	362.08
26 09 23 00-0266 EA 24 Relays, 24 Circuit, 120-347V, Emergency Relay Panel (Encelium EN-RPA24R120-347V) ..... Note: Excludes GB II cable.	7,799.14	362.08
26 09 23 00-0267 EA Wired Phase Cut Dimming Module (Encelium EN-PCDM-GB2)..... Note: Excludes GB II cable.	639.58	45.26
26 09 23 00-0268 EA Wired DALI Bridge (Encelium EN-DB-1L-GB2) ..... Note: Excludes GB II cable.	737.64	45.26
26 09 23 00-0269 EA Wireless Manager (Encelium EN-WM-ZB-P3D) ..... Note: Includes white finish.	2,051.44	45.26
26 09 23 00-0270 EA Wireless Control Module (Encelium EN-WCM-ZB).....	267.50	22.63
26 09 23 00-0271 EA Damp Rated, Wireless Control Module (Encelium EN-WCM-ZB-DR).....	319.79	22.63
26 09 23 00-0272 EA Wireless Area Lighting Controller (Encelium EN-ALC-ZB-BK).....	321.09	22.63
26 09 23 00-0273 EA Damp Rated, Wireless Area Lighting Controller (Encelium EN-ALC-ZB-BK-DR).....	333.42	22.63
26 09 23 00-0274 EA 2 Button Switch, Wireless Wall Station (Encelium EN-WS-2B-ZB-WH)..... Note: Includes white finish.	244.87	11.32
26 09 23 00-0275 EA 3 Scene Control, Wireless Wall Station (Encelium EN-WS-SC3-ZB-WH) ..... Note: Includes white finish.	244.87	11.32
26 09 23 00-0276 EA 3 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC3-ZB-WH)..... Note: Includes white finish.	244.87	11.32
26 09 23 00-0277 EA 5 Scene Control, Wireless Wall Station (Encelium EN-WS-SC5-ZB-WH) ..... Note: Includes white finish.	244.87	11.32
26 09 23 00-0278 EA 6 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC6-ZB-WH)..... Note: Includes white finish.	244.87	11.32
26 09 23 00-0279 EA Single Zone On/Off, Wireless Rocker Switch (Encelium WSS0S-DOW).....	253.36	11.32
26 09 23 00-0280 EA 315 MHz, Wireless Photocell (Encelium TAP-17C).....	521.93	45.26
26 09 23 00-0281 EA 450 SF, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-0450-ZB).....	312.77	45.26
26 09 23 00-0282 EA 1,500 SF, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-1500-ZB).....	312.77	45.26
26 09 23 00-0283 EA 1,500 SF, Damp Rated, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-1500-ZB-DR).....	365.06	45.26
26 09 23 00-0284 EA 450 SF, Damp Rated, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-0450-ZB-DR).....	365.06	45.26
26 09 23 00-0285 EA 2 Button Switch, Wireless Wall Station (Encelium EN-WS-2B-ZB-WH)..... Note: Includes white finish.	244.87	11.32
26 09 23 00-0286 EA 3 Scene Control, Wireless Wall Station (Encelium EN-WS-SC3-ZB-WH) ..... Note: Includes white finish.	244.87	11.32
26 09 23 00-0287 EA 3 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC3-ZB-WH)..... Note: Includes white finish.	244.87	11.32
26 09 23 00-0288 EA 5 Scene Control, Wireless Wall Station (Encelium EN-WS-SC5-ZB-WH) ..... Note: Includes white finish.	244.87	11.32
26 09 23 00-0289 EA 6 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC6-ZB-WH)..... Note: Includes white finish.	244.87	11.32
26 09 23 00-0290 EA Single Zone On/Off, Wireless Rocker Switch (Encelium WSS0S-DOW)..... Note: Includes white finish.	253.36	11.32
26 09 23 00-0291 EA 315 MHz, Wireless Photocell (Encelium TAP-17C).....	521.93	45.26
26 09 23 00-0292 EA 3 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC3-ZB-WH).....	244.87	11.32
26 09 23 00-0293 EA 5 Scene Control, Wireless Wall Station (Encelium EN-WS-SC5-ZB-WH) .....	244.87	11.32
26 09 23 00-0294 EA 6 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC6-ZB-WH).....	244.87	11.32
26 09 23 00-0295 EA Single Zone On/Off, Wireless Rocker Switch (Encelium WSS0S-DOW).....	253.36	11.32
26 09 23 00-0296 EA 315 MHz, Wireless Photocell (Encelium TAP-17C).....	521.93	45.26
26 09 23 00-0297 EA 450 SF, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-0450-ZB).....	312.77	45.26
26 09 23 00-0298 EA 1,500 SF, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-1500-ZB).....	312.77	45.26
26 09 23 00-0299 EA 1,500 SF, Damp Rated, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-1500-ZB-DR).....	365.06	45.26



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0300 EA 450 SF, Damp Rated, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-0450-ZB-DR).....	365.06	45.26
26 09 23 00-0301 EA 2 Button Switch, Wireless Wall Station (Encelium EN-WS-2B-ZB-WH)..... Note: Includes white finish.	244.87	11.32
26 09 23 00-0302 EA 3 Scene Control, Wireless, Wall Station (Encelium EN-WS-SC3-ZB-WH) ..... Note: Includes white finish.	244.87	11.32
26 09 23 00-0303 EA 3 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC3-ZB-WH) ..... Note: Includes white finish.	244.87	11.32
26 09 23 00-0304 EA 5 Scene Control, Wireless Wall Station (Encelium EN-WS-SC5-ZB-WH) ..... Note: Includes white finish.	244.87	11.32
26 09 23 00-0305 EA 6 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC6-ZB-WH) ..... Note: Includes white finish.	244.87	11.32
26 09 23 00-0306 EA Single Zone On/Off, Wireless Rocker Switch (Encelium WSS0S-DOW).....	253.36	11.32
26 09 23 00-0307 EA 315 MHz, Wireless Photocell (Encelium TAP-17C).....	521.93	45.26
26 09 23 00-0308 EA Ceiling Mounted, Wireless Mounting Kit (Encelium EN-SCPPH-MK-ZB).....	120.59	45.26
26 09 23 00-0309 EA Wireless Ethernet Transceiver Unit (cns-enocean Connectivity Kit).....	693.94	45.26
<b>26 09 23 00-0310 Lighting Control Sensors</b> <small>(26 09 23)</small>		
26 09 23 00-0311 EA DALIMulti Sensor, 600 SF (Fifthlight FLT-MTS6-DALI).....	372.77	20.36
26 09 23 00-0312 EA DALIMulti Sensor, 1,200 SF (Fifthlight FLT-MTS12-DALI).....	372.77	20.36
26 09 23 00-0313 EA Smart Multi-sensor (LG 9SD131VVDA.ALWB000).....	324.58	20.36
26 09 23 00-0314 EA Zigbee Dongle (LG 9CM2315VD2.AWP01U).....	95.55	13.58
26 09 23 00-0315 EA Clip for Performance Troffer (LG BKTTR015122.BUAAWAA).....	6.53	
26 09 23 00-0316 EA Clip for Downlight (BKTCE015123.BUAAWAA).....	63.27	
26 09 23 00-0317 EA Clip for Tube (LG BKTU015121.BUAAWAA).....	10.04	
<b>26 09 23 00-0318 Radio Controlled Devices (Lutron)</b> <small>(26 09 23)</small>		
<b>26 09 23 00-0319 Tabletop Transmitters For Radio Controlled Devices</b> <small>(26 09 23 00-0318)</small>		
<b>26 09 23 00-0320 Switched Lighting Controls, Tabletop Wireless Transmitter</b> <small>(26 09 23 00-0319)</small>		
26 09 23 00-0321 EA One Zone Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-SW-B-WH).....	503.50	13.58
26 09 23 00-0322 EA Two Zones Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2SW-B-WH).....	657.38	13.58
26 09 23 00-0323 EA Three Zones Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-3SW-B-WH).....	830.49	13.58
<b>26 09 23 00-0324 Dimmable Lighting Controls, Tabletop Wireless Transmitter</b> <small>(26 09 23 00-0319)</small>		
26 09 23 00-0325 EA One Zone Of Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-L-B-WH).....	503.50	13.58
26 09 23 00-0326 EA Two Zones Of Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2L-B-WH).....	599.68	13.58
26 09 23 00-0327 EA Three Zones Of Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-3L-B-WH).....	830.49	13.58
26 09 23 00-0328 EA One Zone Of Four Pre Set Lighting Levels And Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-L-WH).....	503.50	13.58
26 09 23 00-0329 EA Two Zones Of Four Pre Set Lighting Levels And Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2L-WH).....	657.38	13.58
26 09 23 00-0330 EA Three Zones Of Four Pre Set Lighting Levels And Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-3L-WH).....	830.49	13.58
<b>26 09 23 00-0331 Dimmable And Switched Lighting Controls, Tabletop Wireless Transmitter</b> <small>(26 09 23 00-0319)</small>		
26 09 23 00-0332 EA One Zone Of Dimmable Lighting Controls And One Zone Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-LSW-B-WH).....	657.38	13.58
26 09 23 00-0333 EA Two Zones Of Dimmable Lighting Controls And One Zone Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2LSW-B-WH).....	830.49	13.58
26 09 23 00-0334 EA One Zone Of Dimmable Lighting Controls And Two Zones Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-L2SW-B-WH).....	830.49	13.58
<b>26 09 23 00-0335 Dimmable Lighting Controls And Shade Or Projection Controls, Tabletop Wireless Transmitter</b> <small>(26 09 23 00-0319)</small>		
26 09 23 00-0336 EA One Zone Of Open/Stop/Close Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-C3-B-WH).....	503.50	13.58
26 09 23 00-0337 EA Two Zones Of Open/Stop/Close Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2C3-B-WH).....	657.38	13.58
26 09 23 00-0338 EA One Zone Of Dimmable Lighting Controls And One Zone Of Output Switch Projection Screen Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-LC2-B-WH).....	599.68	13.58
26 09 23 00-0339 EA Two Zones Of Dimmable Lighting Controls And One Zone Of Output Switch Projection Screen Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2LC2-B-WH).....	734.32	13.58
26 09 23 00-0340 EA One Zone Of Dimmable Lighting Controls And One Zone Of Open/Stop/Close Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-LC3-B-WH).....	657.38	13.58
26 09 23 00-0341 EA Two Zones Of Dimmable Lighting Controls And One Zone Of Open/Stop/Close Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2LC3-B-WH).....	792.03	13.58
26 09 23 00-0342 EA One Zone Of Dimmable Lighting Controls And Two Zones Of Open/Stop/Close Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-L2C3-B-WH).....	657.38	13.58
<b>26 09 23 00-0343 Dimmable Lighting Controls And Sivoia QED Shade Controls, Tabletop Wireless Transmitter</b> <small>(26 09 23 00-0319)</small>		
26 09 23 00-0344 EA One Zone Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-Q-B-WH).....	503.50	13.58

**26 Electrical**  
**26 09 Instrumentation and Control for Electrical Systems**  
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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0345	EA	Two Zones Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2Q-B-WH).....	657.38	13.58
26 09 23 00-0346	EA	One Zone Of Dimmable Lighting Controls And One Zone Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-LQ-B-WH).....	657.38	13.58
26 09 23 00-0347	EA	Two Zones Of Dimmable Lighting Controls And One Zone Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2LQ-B-WH).....	830.49	13.58
26 09 23 00-0348	EA	One Zone Of Dimmable Lighting Controls And Two Zones Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-L2Q-B-WH).....	657.38	13.58
26 09 23 00-0349	EA	One Zone Of Dimmable Lighting Controls, One Zone Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, One Zone Of Output Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-LQC2-B-WH).....	830.49	13.58
<b>26 09 23 00-0350</b>		<b>Output Switch Closure Controls, Tabletop Wireless Transmitter (26 09 23 00-0319)</b>		
26 09 23 00-0351	EA	Five Buttons Of Output Switch Closures For Grafik Eye Systems, Tabletop Wireless Transmitter (Lutron RTA-TX-C5-WH).....	503.50	13.58
26 09 23 00-0352	EA	Nine Buttons Of Output Switch Closures For Grafik Eye Systems, Tabletop Wireless Transmitter (Lutron RTA-TX-C5C4-WH).....	657.38	13.58
26 09 23 00-0353	EA	Thirteen Buttons Of Output Switch Closures For Grafik Eye Systems, Tabletop Wireless Transmitter (Lutron RTA-TX-C52C4-WH).....	830.49	13.58
<b>26 09 23 00-0354</b>		<b>Accessories For Tabletop Wireless Transmitter (26 09 23 00-0319)</b>		
26 09 23 00-0355	EA	Security Mounting Brackets For Tabletop Wireless Transmitters (Lutron RTA-SEC-WH).....	99.57	13.58
<b>26 09 23 00-0356</b>		<b>Wall Box Transmitters For Radio Controlled Devices (26 09 23 00-0318)</b>		
26 09 23 00-0357	EA	On/Off Switched Lighting Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-2BSW-WH).....	465.03	13.58
26 09 23 00-0358	EA	Dimmable Lighting Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-2B-WH).....	503.50	13.58
26 09 23 00-0359	EA	Four Preset Lighting Level And Dimmable Lighting Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-5B-WH).....	503.50	13.58
26 09 23 00-0360	EA	Open/Stop/Close Motorized Shade Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-C3LB-WH).....	503.50	13.58
26 09 23 00-0361	EA	Up/Down Projection Screen Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-C2LB-WH).....	503.50	13.58
26 09 23 00-0362	EA	Open/Stop/Close Sivoia QED Shade Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-Q3LB-WH).....	503.50	13.58
<b>26 09 23 00-0363</b>		<b>Interfaces For Radio Controlled Devices (26 09 23 00-0318)</b>		
26 09 23 00-0364	EA	Incandescent And Magnetic Low Voltage Lighting Interface For Radio Controlled Devices (Lutron FDI-INC-2000).....	465.03	13.58
26 09 23 00-0365	EA	Lutron Tu-Wire Ballast Interface For Radio Controlled Devices (Lutron FDI-INC-2000).....	465.03	13.58
26 09 23 00-0366	EA	Electronic Low Voltage Lighting Interface For Radio Controlled Devices (Lutron FDI-ELV-1000).....	465.03	13.58
26 09 23 00-0367	EA	Sivoia QED Controllable Window Treatments Contact Closure Interface For Radio Controlled Devices (Lutron SVQ-CCI-8).....	953.60	13.58
26 09 23 00-0368	EA	RS-232 Interface For Radio Controlled Devices (Lutron RTA-RS232).....	1,369.07	13.58
26 09 23 00-0369	EA	Switch Closure Input Interface For Radio Controlled (Lutron RTA-SCI).....	1,369.07	13.58
<b>26 09 23 00-0370</b>		<b>Fluorescent Controllers For Radio Controlled Devices (26 09 23 00-0318)</b>		
26 09 23 00-0371	EA	On/Off Switched Fluorescent Controllers For Radio Controlled Devices (Lutron RTA-RX-SW).....	599.68	13.58
26 09 23 00-0372	EA	Dimmable Fluorescent Controllers For Radio Controlled Devices (Lutron RTA-RX-F).....	676.62	13.58
26 09 23 00-0373	EA	Switch Closures And Dimmable Fluorescent Controllers For Radio Controlled Devices (Lutron RTA-RX-F-SC).....	792.03	13.58
<b>26 09 23 00-0374</b>		<b>AC Motor Group Controllers For Radio Controlled Devices (26 09 23 00-0318)</b>		
26 09 23 00-0375	EA	Up To Two Motors, AC Motor Group Controllers For Radio Controlled Devices (Lutron WC-2M-GC).....	888.20	13.58
26 09 23 00-0376	EA	Up To Four Motors, AC Motor Group Controllers For Radio Controlled Devices (Lutron WC-4M-GC).....	1,224.81	13.58
<b>26 09 23 00-0377</b>		<b>RF Wireless Technology, Switches And Dimmers (Lutron® Maestro Wireless®) (26 09 23)</b>		
<b>26 09 23 00-0378</b>		<b>RF Wireless Technology, Switches (Lutron® Maestro Wireless®) (26 09 23 00-0377)</b>		
26 09 23 00-0379	EA	6 Amperes Lighting, 3 Amperes Fan, RF Wireless Technology, Electronic Switch (Lutron® Maestro Wireless® MRF2-6ANS).....	124.74	18.10
26 09 23 00-0380	EA	8 Amperes Lighting, 5.8 Amperes Fan, RF Wireless Technology, Spec Grade Electronic Switch (Lutron® Maestro Wireless® MRF2-8ANS-120).....	149.23	18.10
26 09 23 00-0381	EA	8 Amperes Lighting, 3 Amperes Fan, RF Wireless Technology, Spec Grade Electronic Switch (Lutron® Maestro Wireless® MRF2-8S-DV).....	240.50	18.10
26 09 23 00-0382	EA	120 Volt, Claro® Gloss Finish, RF Wireless Technology, Companion Switch (Lutron® Maestro Wireless® MA-AS).....	83.89	18.10
26 09 23 00-0383	EA	277 Volt, Claro® Gloss Finish, RF Wireless Technology, Companion Switch (Lutron® Maestro Wireless® MA-AS-277).....	105.28	18.10
26 09 23 00-0384	EA	120 Volt, Satin Colors® Satin Finish, RF Wireless Technology, Companion Switch (Lutron® Maestro Wireless® MSC-AS).....	92.87	18.10
26 09 23 00-0385	EA	277 Volt, Satin Colors® Satin Finish, RF Wireless Technology, Companion Switch (Lutron® Maestro Wireless® MSC-AS-277).....	114.70	18.10
<b>26 09 23 00-0386</b>		<b>RF Wireless Technology, Dimmers (Lutron® Maestro Wireless®) (26 09 23 00-0377)</b>		
26 09 23 00-0387	EA	600 Watt, 120 Volt, RF Wireless Technology, Incandescent Dimmer (Lutron® Maestro Wireless® MRF2-600M).....	119.09	18.10
26 09 23 00-0388	EA	600 Watt, 120 Volt, RF Wireless Technology, Magnetic Low Voltage Dimmer (Lutron® Maestro Wireless® MRF2-6MLV).....	130.39	18.10
26 09 23 00-0389	EA	600 Watt, 120 Volt, RF Wireless Technology, Spec Grade Neutral Wire Dimmer (Lutron® Maestro Wireless® MRF2-6ND-120).....	158.65	18.10





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0390 EA 1,000 Watt, 120 Volt, RF Wireless Technology, Spec Grade Dimmer (Lutron® Maestro Wireless® MRF2-10D-120).....	167.70	22.63
26 09 23 00-0391 EA 600 Watt, 120 Volt, RF Wireless Technology, Electronic Low-Voltage Dimmer (Lutron® Maestro Wireless® MRF2-6ELV-120).....	214.22	18.10
26 09 23 00-0392 EA 120 Volt, Claro® Gloss Finish, RF Wireless Technology, Companion Dimmer (Lutron® Maestro Wireless® MA-R).....	62.11	18.10
26 09 23 00-0393 EA 277 Volt, Claro® Gloss Finish, RF Wireless Technology, Companion Dimmer (Lutron® Maestro Wireless® MA-R-277).....	77.65	18.10
26 09 23 00-0394 EA 120 Volt, Satin Colors® Satin Finish, RF Wireless Technology, Companion Dimmer (Lutron® Maestro Wireless® MSC-AD).....	67.77	18.10
26 09 23 00-0395 EA 277 Volt, Satin Colors® Satin Finish, RF Wireless Technology, Companion Dimmer (Lutron® Maestro Wireless® MSC-AD-277).....	83.30	18.10
26 09 23 00-0396 EA 6 Amperes, 120/277 Volt, RF Wireless Technology, 3-Wire Fluorescent Spec Grade Neutral Wire Dimmer (Lutron® Maestro Wireless® MRF2-F6AN-DV).....	232.90	31.68
<b>26 09 23 00-0397 Removal And Reinstallation Of Occupancy Sensors (26 09 23)</b>		
26 09 23 00-0398 EA Removal And Reinstallation Of Ceiling Mounted Occupancy Sensor ..... Note: Includes storing and cleaning.	61.10	
26 09 23 00-0399 EA Removal And Reinstallation Of Wall Mounted Occupancy Sensor ..... Note: Includes storing and cleaning.	40.74	
<b>26 09 23 00-0400 Occupancy Sensors (Watt Stopper) (26 09 23)</b> Note: Includes testing of new devices and certification.		
<b>26 09 23 00-0401 Occupancy Sensors (26 09 23 00-0400)</b> Note: Exclude boxes.		
<b>26 09 23 00-0402 Wall Switch Mounted Occupancy Sensors (26 09 23 00-0401)</b>		
<b>26 09 23 00-0403 Ultrasonic, Wall Switch Mounted Occupancy Sensors (26 09 23 00-0402)</b>		
26 09 23 00-0404 EA Ultrasonic, Wall Switch Mounted Occupancy Sensor (Watt Stopper UW-100)..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	128.67 5.43	9.06
26 09 23 00-0405 EA Dual Relay, Ultrasonic, Wall Switch Mounted Occupancy Sensor (Watt Stopper UW-200)..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	153.16 5.43	9.06
<b>26 09 23 00-0406 Passive Infrared, Wall Switch Mounted Occupancy Sensors (26 09 23 00-0402)</b>		
26 09 23 00-0407 EA Nightlight, Passive Infrared, Wall Switch Mounted Occupancy Sensor (Watt Stopper WN-100)..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	105.00 5.43	9.06
26 09 23 00-0408 EA Passive Infrared, Wall Switch Mounted Occupancy Sensor (Watt Stopper WS)..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	97.57 5.43	9.06
26 09 23 00-0409 EA Passive Infrared, Wall Switch Mounted Occupancy Sensor (Watt Stopper PW-100)..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	111.43 5.43	9.06
26 09 23 00-0410 EA Dual Relay, Passive Infrared, Wall Switch Mounted Occupancy Sensor (Watt Stopper PW-200)..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	130.15 5.43	9.06
26 09 23 00-0411 EA Dimmable, Passive Infrared, Wall Switch Mounted Occupancy Sensor (Watt Stopper WD)..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	128.61 5.43	9.06
<b>26 09 23 00-0412 Passive Infrared And Ultrasonic, Wall Switch Mounted Occupancy Sensors (26 09 23 00-0402)</b>		
26 09 23 00-0413 EA Passive Infrared And Ultrasonic, Wall Switch Mounted Occupancy Sensor (Watt Stopper DW-100)..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	190.44 5.43	9.06
26 09 23 00-0414 EA Dual Relay, Passive Infrared And Ultrasonic, Wall Switch Mounted Occupancy Sensor (Watt Stopper DW-200)..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	205.93 5.43	9.06
<b>26 09 23 00-0415 Wall Switch Mounted Occupancy Sensor Accessories (26 09 23 00-0402)</b>		
26 09 23 00-0416 EA Single Gang, Plastic Switch Plate Cover For Occupancy Sensors (Watt Stopper ASP).....	6.00	2.26
26 09 23 00-0417 EA One Side Blank, Double Gang, Plastic Switch Plate Cover For Occupancy Sensors (Watt Stopper ASP).....	7.23	2.26
26 09 23 00-0418 EA Switch Option, Double Gang, Plastic Switch Plate Cover For Occupancy Sensors (Watt Stopper ASP).....	7.23	2.26
<b>26 09 23 00-0419 Ceiling Mounted Occupancy Sensors (26 09 23 00-0401)</b>		
<b>26 09 23 00-0420 Ultrasonic, Ceiling Mounted Occupancy Sensors (26 09 23 00-0419)</b>		
<b>26 09 23 00-0421 25 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensors (26 09 23 00-0420)</b>		
26 09 23 00-0422 EA 500 SF 360 Degree Coverage, 25 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper W-500A).....	163.31	20.36
26 09 23 00-0423 EA 1,000 SF 360 Degree Coverage, 25 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper W-1000A).....	189.94	20.36
26 09 23 00-0424 EA 2,000 SF 360 Degree Coverage, 25 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper W-2000A).....	216.77	20.36
26 09 23 00-0425 EA 90 LF Hallway Coverage, 25 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper W-2000H).....	214.35	20.36
<b>26 09 23 00-0426 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensors (26 09 23 00-0420)</b>		
26 09 23 00-0427 EA 600 SF 360 Degree Coverage, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-605).....	179.07	20.36
26 09 23 00-0428 EA 1,100 SF 360 Degree Coverage, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-1105).....	206.09	20.36
26 09 23 00-0429 EA 2,205 SF 360 Degree Coverage, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-2205).....	231.67	20.36

**26 Electrical**  
**26 09 Instrumentation and Control for Electrical Systems**  
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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0430 EA 90 LF Hallway Coverage, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-2255).....	236.00	20.36
26 09 23 00-0431 EA 600 SF 360 Degree Coverage, Isolated Relay, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-600).....	195.22	20.36
26 09 23 00-0432 EA 1,100 SF 360 Degree Coverage, Isolated Relay, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-1100).....	222.90	20.36
26 09 23 00-0433 EA 2,200 SF 360 Degree Coverage, Isolated Relay, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-2200).....	250.48	20.36
26 09 23 00-0434 EA 90 LF Hallway Coverage, Isolated Relay, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-2250).....	258.42	20.36
<b>26 09 23 00-0435 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensors (26 09 23 00-0420)</b>		
26 09 23 00-0436 EA 500 SF 360 Degree Coverage, Isolated Relay, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-300-1).....	186.88	20.36
26 09 23 00-0437 EA 1,000 SF 360 Degree Coverage, Isolated Relay, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-300-2).....	219.15	20.36
26 09 23 00-0438 EA 2,000 SF 360 Degree Coverage, Isolated Relay, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-300-3).....	246.17	20.36
26 09 23 00-0439 EA 500 SF 360 Degree Coverage, Panel Integrating, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-305-1).....	174.99	20.36
26 09 23 00-0440 EA 1,000 SF 360 Degree Coverage, Panel Integrating, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-305-2).....	215.66	20.36
26 09 23 00-0441 EA 2,000 SF 360 Degree Coverage, Panel Integrating, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-305-3).....	228.83	20.36
26 09 23 00-0442 EA 500 SF 360 Degree Coverage, Line Voltage, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-355-1).....	188.56	20.36
26 09 23 00-0443 EA 1,000 SF 360 Degree Coverage, Line Voltage, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-355-2).....	211.97	20.36
26 09 23 00-0444 EA 2,000 SF 360 Degree Coverage, Line Voltage, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-355-3).....	240.89	20.36
<b>26 09 23 00-0445 Passive Infrared, Ceiling Mounted Occupancy Sensors (26 09 23 00-0419)</b>		
26 09 23 00-0446 EA 30 Segment, 5 Level Lens, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper WPIR).....	132.22	20.36
26 09 23 00-0447 EA HVAC/BAS, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-12/24).....	135.37	20.36
26 09 23 00-0448 EA Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-205).....	142.82	20.36
26 09 23 00-0449 EA Line Voltage, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-355).....	162.81	20.36
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		12.22
26 09 23 00-0450 EA Low Profile, Isolated Relay, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-305).....	165.23	20.36
26 09 23 00-0451 EA Isolated Relay, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-200).....	175.69	20.36
26 09 23 00-0452 EA Low Profile, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-300).....	192.43	20.36
<b>26 09 23 00-0453 Passive Infrared And Ultrasonic, Ceiling Mounted Occupancy Sensors (26 09 23 00-0419)</b>		
26 09 23 00-0454 EA 1,000 SF 360 Degree Coverage, Line Voltage, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper DT-355).....	231.44	20.36
26 09 23 00-0455 EA 1,000 SF 360 Degree Coverage, Isolated Relay, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper DT-300).....	266.85	20.36
26 09 23 00-0456 EA 1,000 SF 360 Degree Coverage, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper DT-305).....	223.92	20.36
<b>26 09 23 00-0457 Ceiling/Wall Mounted Occupancy Sensors (26 09 23 00-0401)</b>		
<b>26 09 23 00-0458 Passive Infrared, Ceiling/Wall Mounted Occupancy Sensors (26 09 23 00-0457)</b>		
26 09 23 00-0459 EA 120 LF Coverage, Low Temperature, Passive Infrared, Ceiling/Wall Mounted Occupancy Sensor (Watt Stopper CB-100-1/3).....	288.07	20.36
26 09 23 00-0460 EA 2,000 SF Coverage, Low Temperature, Passive Infrared, Ceiling/Wall Mounted Occupancy Sensor (Watt Stopper CB-100).....	288.07	20.36
<b>26 09 23 00-0461 Passive Infrared And Ultrasonic, Ceiling/Wall Mounted Occupancy Sensors (26 09 23 00-0457)</b>		
26 09 23 00-0462 EA 2,000 SF Coverage, Passive Infrared And Ultrasonic, Ceiling/Wall Mounted Occupancy Sensor (Watt Stopper DT-200).....	266.85	20.36
<b>26 09 23 00-0463 Occupancy Sensor Power Packs (26 09 23 00-0400)</b>		
<b>26 09 23 00-0464 Single Voltage, Occupancy Sensor Power Packs (26 09 23 00-0463)</b>		
26 09 23 00-0465 EA 220 To 240 Volt AC, 20 Amperes, Occupancy Sensor Power Pack (Watt Stopper B230E-P).....	85.73	18.10
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		10.86
26 09 23 00-0466 EA 347 Volt AC, 15 Amperes, Occupancy Sensor Power Pack (Watt Stopper B347D-P).....	76.73	18.10
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		10.86
<b>26 09 23 00-0467 Auxiliary, Occupancy Sensor Power Packs (26 09 23 00-0463)</b>		
26 09 23 00-0468 EA 120, 277 Or 347 Volt AC, 20 Amperes, Auxiliary Occupancy Sensor Power Pack (Watt Stopper S120/277/347E-P).....	69.32	18.10
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		10.86
<b>26 09 23 00-0469 Universal Voltage, Power Packs For Occupancy Sensors (26 09 23 00-0463)</b>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0470 EA 120/277 Volt AC, 20 Amperes, Dual Voltage, Occupancy Sensor Power Pack (Watt Stopper BZ-100)..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	96.44 10.86	18.10
<b>26 09 23 00-0471 Form C, Occupancy Sensor Power Packs</b> (26 09 23 00-0463)		
26 09 23 00-0472 EA 120 Volt AC, Form C, Occupancy Sensor Power Pack (Watt Stopper A120C-P)..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	86.14 10.86	18.10
26 09 23 00-0473 EA 277 Volt AC, Form C, Occupancy Sensor Power Pack (Watt Stopper A277C-P)..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	86.21 10.86	18.10
<b>26 09 23 00-0474 Two Relay, Occupancy Sensor Power Packs</b> (26 09 23 00-0463)		
26 09 23 00-0475 EA 120 Volt AC, Two Relay, Occupancy Sensor Power Pack (Watt Stopper C120E-P)..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	112.21 10.86	18.10
26 09 23 00-0476 EA 277 Volt AC, Two Relay, Occupancy Sensor Power Pack (Watt Stopper C277E-P)..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	113.99 10.86	18.10
<b>26 09 23 00-0477 Occupancy Sensor Power Supplies</b> (26 09 23 00-0463)		
26 09 23 00-0478 EA 120 Volt AC, Occupancy Sensor Power Supply (Watt Stopper BZ-150) ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	101.57 10.86	18.10
26 09 23 00-0479 EA 277 Volt AC, Occupancy Sensor Power Supply (Watt Stopper AT-277) ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	244.01 10.86	18.10
<b>26 09 23 00-0480 Intelligent, Occupancy Sensor Power Packs</b> (26 09 23 00-0463)		
26 09 23 00-0481 EA 120/277 Volt AC, Two Relays, Two Dimming Channels, Intelligent Occupancy Sensor Power Pack (Watt Stopper LC-100) .....	327.62	18.10
<b>26 09 23 00-0482 DIN Rail Mounted, Occupancy Sensor Power Packs</b> (26 09 23 00-0463)		
26 09 23 00-0483 EA 120/230/277 Volt AC, DIN Rail Mounted, Occupancy Sensor Power Pack (Watt Stopper BD-100).....	95.42	18.10
<b>26 09 23 00-0484 Occupancy Sensor Accessories</b> (26 09 23 00-0400)		
<b>26 09 23 00-0485 Protective Cages For Occupancy Sensors</b> (26 09 23 00-0484)		
26 09 23 00-0486 EA Protective Cage For Occupancy Sensors (Watt Stopper WC).....	57.74	6.78
<b>26 09 23 00-0487 Mounting Brackets For Occupancy Sensors</b> (26 09 23 00-0484)		
26 09 23 00-0488 EA Mounting Bracket For Occupancy Sensor (Watt Stopper MB)..... Note: Includes J-plate for mounting to HID fixtures or L-plate for mounting to fluorescent fixtures, walls, shelves and girders.	40.27	11.32
<b>26 09 23 00-0489 Occupancy/Lighting Logger</b> (26 09 23 00-0484)		
Note: Logs when a space is occupied/vacant and when lighting is on/off.		
26 09 23 00-0490 EA Occupancy/Lighting Logger With Connector Cable (Watt Stopper IT-200).....	438.39	38.47
<b>26 09 23 00-0491 Digital Time Light Switches</b> (26 09 23 00-0400)		
26 09 23 00-0492 EA Preset Time, Wall Switch Mounted, Digital Time Light Switch (Watt Stopper TS-400).....	94.07	9.06
<b>26 09 23 00-0493 Digital High/Low Passive Infrared Fixture Integrated Outdoor Sensor</b> (26 09 23 00- 0400)		
26 09 23 00-0494 EA Digital High/Low Passive Infrared Fixture Integrated Outdoor Sensor (Watt Stopper FSP-211) .....	199.09	29.42
<b>26 09 23 00-0495 Occupancy Sensors (Sensor Switch)</b> (26 09 23)		
Note: Includes testing of new devices and certification.		
<b>26 09 23 00-0496 Occupancy Sensors (Sensor Switch)</b> (26 09 23 00-0495)		
Note: Exclude boxes		
<b>26 09 23 00-0497 Wall Switch Mount Occupancy Sensors (Sensor Switch)</b> (26 09 23 00-0496)		
<b>26 09 23 00-0498 Passive Infrared, Wall Switch Mount Occupancy Sensors (Sensor Switch)</b> (26 09 23 00-0497)		
26 09 23 00-0499 EA Single Pole, Low Voltage, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD LV)..... <i>For Low Temp/High Humidity Option, Add</i> <i>For Low Voltage Relay Option, Add</i>	210.45 14.57 17.49	9.06
26 09 23 00-0500 EA Nightlight, Line Voltage, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD NL) ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	146.33 5.43	9.06
26 09 23 00-0501 EA Single Pole, Line Voltage, Fully Automatic, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD) .....	139.28	9.06
<i>For Low Temp/High Humidity Option, Add</i> <i>For Photocell (Inhibit Mode Only) Option, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.57 17.49 5.43	

**26 Electrical****26 09 Instrumentation and Control for Electrical Systems****26 09 23 Lighting Control Devices**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0502	EA		Single Pole, Line Voltage, Semi-Automatic, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD SA).....	139.28	9.06
			<i>For Low Temp/High Humidity Option, Add</i>	14.57	
			<i>For Photocell (Inhibit Mode Only) Option, Add</i>	17.49	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.43	
26 09 23 00-0503	EA		2-Pole, Line Voltage, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD 2P).....	178.39	9.06
			<i>For Low Temp/High Humidity Option, Add</i>	14.57	
			<i>For Photocell (Inhibit Mode Only) Option, Add</i>	17.49	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.43	
26 09 23 00-0504	EA		Single Pole, Passive Infrared, Large Area, Wall Switch Mount Occupancy Sensor (Sensor Switch LWS).....	178.39	9.06
			<i>For Low Temp/High Humidity Option, Add</i>	14.57	
			<i>For Photocell (Inhibit Mode Only) Option, Add</i>	17.49	
26 09 23 00-0505	EA		2-Pole, Passive Infrared, Large Area, Wall Switch Mount Occupancy Sensor (Sensor Switch LWS 2P).....	218.48	9.06
			<i>For Low Temp/High Humidity Option, Add</i>	14.57	
			<i>For Photocell (Inhibit Mode Only) Option, Add</i>	17.49	
26 09 23 00-0506	EA		Single Pole, Passive Infrared, Internally Powered, Wall Switch Mount Occupancy Sensor (Sensor Switch IPD).....	178.39	9.06
			<i>For Low Temp/High Humidity Option, Add</i>	14.57	
			<i>For Photocell (Inhibit Mode Only) Option, Add</i>	17.49	
<b>26 09 23 00-0507</b>			<b>Dual Technology, Wall Switch Mount Occupancy Sensors (Sensor Switch)</b>		
			<small>(26 09 23 00-0497)</small>		
			Note: Includes passive infrared and microphonics detection		
26 09 23 00-0508	EA		Single Pole, Low Voltage, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD PDT LV).....	274.56	9.06
			<i>For Low Temp/High Humidity Option, Add</i>	14.57	
			<i>For Low Voltage Relay Option, Add</i>	17.49	
26 09 23 00-0509	EA		Nightlight, Line Voltage, Dual Technology, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD PDT NL).....	210.45	9.06
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.43	
26 09 23 00-0510	EA		Single Pole, Line Voltage, Fully Automatic, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD PDT).....	205.65	9.06
			<i>For Low Temp/High Humidity Option, Add</i>	14.57	
			<i>For Photocell (Inhibit Mode Only) Option, Add</i>	17.49	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.43	
26 09 23 00-0511	EA		Single Pole, Line Voltage, Semi-Automatic, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD PDT SA).....	205.65	9.06
			<i>For Low Temp/High Humidity Option, Add</i>	14.57	
			<i>For Photocell (Inhibit Mode Only) Option, Add</i>	17.49	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.43	
26 09 23 00-0512	EA		2-Pole, Line Voltage, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD PDT 2P).....	242.51	9.06
			<i>For Low Temp/High Humidity Option, Add</i>	14.57	
			<i>For Photocell (Inhibit Mode Only) Option, Add</i>	17.49	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.43	
26 09 23 00-0513	EA		Single Pole, Dual Technology, Large Area, Wall Switch Mount Occupancy Sensor (Sensor Switch LWS PDT).....	242.51	9.06
			<i>For Low Temp/High Humidity Option, Add</i>	14.57	
			<i>For Photocell (Inhibit Mode Only) Option, Add</i>	17.49	
26 09 23 00-0514	EA		2-Pole, Dual Technology, Large Area, Wall Switch Mount Occupancy Sensor (Sensor Switch LWS PDT 2P).....	261.74	9.06
			<i>For Low Temp/High Humidity Option, Add</i>	14.57	
			<i>For Photocell (Inhibit Mode Only) Option, Add</i>	17.49	
<b>26 09 23 00-0515</b>			<b>Wall Switch Mount Occupancy Sensor Accessories (Sensor Switch)</b>		
			<small>(26 09 23 00-0497)</small>		
26 09 23 00-0516	EA		One Blank, 2-Gang, Plastic Switch Plate Cover For Occupancy Sensors (Sensor Switch WS BPX).....	17.34	2.26
26 09 23 00-0517	EA		One Switch, 2-Gang, Plastic Switch Plate Cover For Occupancy Sensors (Sensor Switch WS SPX).....	17.34	2.26
26 09 23 00-0518	EA		Two Blanks, 3-Gang, Plastic Switch Plate Cover For Occupancy Sensors (Sensor Switch WS BPX 3).....	36.58	2.26
26 09 23 00-0519	EA		Two Switches, 3-Gang, Plastic Switch Plate Cover For Occupancy Sensors (Sensor Switch WS SPX 3).....	36.58	2.26
<b>26 09 23 00-0520</b>			<b>360 Degree View Occupancy Sensors (Sensor Switch)</b>		
			<small>(26 09 23 00-0496)</small>		
<b>26 09 23 00-0521</b>			<b>Passive Infrared, 360 Degree View Occupancy Sensors (Sensor Switch)</b>		
			<small>(26 09 23 00-0520)</small>		
			Note: One photocell or dimming option per occupancy sensor		
26 09 23 00-0522	EA		Low Voltage, Passive Infrared, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CM 9).....	233.09	20.36
			<i>For Low Temp/High Humidity Option, Add</i>	14.57	
			<i>For Low Voltage Relay Option, Add</i>	17.49	
			<i>For Photocell (Inhibit Mode Only) Option, Add</i>	17.49	
			<i>For Occupancy Controlled Dimming Option, Add</i>	29.14	
			<i>For Photocell Option With Dimming Capability, Add</i>	43.72	
26 09 23 00-0523	EA		Low Voltage, Passive Infrared, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RM 9).....	233.09	20.36
			<i>For Low Temp/High Humidity Option, Add</i>	14.57	
			<i>For Low Voltage Relay Option, Add</i>	17.49	
			<i>For Photocell (Inhibit Mode Only) Option, Add</i>	17.49	
			<i>For Occupancy Controlled Dimming Option, Add</i>	29.14	
			<i>For Photocell Option With Dimming Capability, Add</i>	43.72	
26 09 23 00-0524	EA		Low Voltage, Passive Infrared, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMB 9).....	233.09	20.36
			<i>For Low Temp/High Humidity Option, Add</i>	14.57	
			<i>For Low Voltage Relay Option, Add</i>	17.49	
			<i>For Photocell (Inhibit Mode Only) Option, Add</i>	17.49	
			<i>For Occupancy Controlled Dimming Option, Add</i>	29.14	
			<i>For Photocell Option With Dimming Capability, Add</i>	43.72	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0525 EA Single Pole, Line Voltage, Passive Infrared, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR 9).....	249.12	20.36
<i>For Low Temp/High Humidity Option, Add</i>	14.57	
<i>For Photocell (Inhibit Mode Only) Option, Add</i>	17.49	
<i>For Occupancy Controlled Dimming Option, Add</i>	29.14	
<i>For Photocell Option With Dimming Capability, Add</i>	43.72	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.22	
26 09 23 00-0526 EA Single Pole, Line Voltage, Passive Infrared, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR 9).....	249.12	20.36
<i>For Low Temp/High Humidity Option, Add</i>	14.57	
<i>For Photocell (Inhibit Mode Only) Option, Add</i>	17.49	
<i>For Occupancy Controlled Dimming Option, Add</i>	29.14	
<i>For Photocell Option With Dimming Capability, Add</i>	43.72	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.22	
26 09 23 00-0527 EA Single Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB 9).....	197.82	20.36
<i>For Low Temp/High Humidity Option, Add</i>	14.57	
<i>For Photocell (Inhibit Mode Only) Option, Add</i>	17.49	
<i>For Occupancy Controlled Dimming Option, Add</i>	29.14	
<i>For Photocell Option With Dimming Capability, Add</i>	43.72	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.22	
26 09 23 00-0528 EA 2-Pole, Line Voltage, Passive Infrared, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR 9 2P).....	313.23	20.36
<i>For Low Temp/High Humidity Option, Add</i>	14.57	
<i>For Photocell (Inhibit Mode Only) Option, Add</i>	17.49	
<i>For Photocell Option With Dual Zone On/Off, Add</i>	43.72	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.22	
26 09 23 00-0529 EA 2-Pole, Line Voltage, Passive Infrared, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR 9 2P).....	313.23	20.36
<i>For Low Temp/High Humidity Option, Add</i>	14.57	
<i>For Photocell (Inhibit Mode Only) Option, Add</i>	17.49	
<i>For Photocell Option With Dual Zone On/Off, Add</i>	43.72	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.22	
26 09 23 00-0530 EA 2-Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB 9 2P).....	261.94	20.36
<i>For Low Temp/High Humidity Option, Add</i>	14.57	
<i>For Photocell (Inhibit Mode Only) Option, Add</i>	17.49	
<i>For Photocell Option With Dual Zone On/Off, Add</i>	43.72	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.22	
26 09 23 00-0531 EA Low Voltage, Passive Infrared, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CM 10).....	233.09	20.36
<i>For Low Temp/High Humidity Option, Add</i>	14.57	
<i>For Low Voltage Relay Option, Add</i>	17.49	
<i>For Photocell (Inhibit Mode Only) Option, Add</i>	17.49	
<i>For Occupancy Controlled Dimming Option, Add</i>	29.14	
<i>For Photocell Option With Dimming Capability, Add</i>	43.72	
26 09 23 00-0532 EA Low Voltage, Passive Infrared, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RM 10).....	233.09	20.36
<i>For Low Temp/High Humidity Option, Add</i>	14.57	
<i>For Low Voltage Relay Option, Add</i>	17.49	
<i>For Photocell (Inhibit Mode Only) Option, Add</i>	17.49	
<i>For Occupancy Controlled Dimming Option, Add</i>	29.14	
<i>For Photocell Option With Dimming Capability, Add</i>	43.72	
26 09 23 00-0533 EA Low Voltage, Passive Infrared, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMB 10).....	233.09	20.36
<i>For Low Temp/High Humidity Option, Add</i>	14.57	
<i>For Low Voltage Relay Option, Add</i>	17.49	
<i>For Photocell (Inhibit Mode Only) Option, Add</i>	17.49	
<i>For Occupancy Controlled Dimming Option, Add</i>	29.14	
<i>For Photocell Option With Dimming Capability, Add</i>	43.72	
26 09 23 00-0534 EA Single Pole, Line Voltage, Passive Infrared, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR 10).....	249.12	20.36
<i>For Low Temp/High Humidity Option, Add</i>	14.57	
<i>For Photocell (Inhibit Mode Only) Option, Add</i>	17.49	
<i>For Occupancy Controlled Dimming Option, Add</i>	29.14	
<i>For Photocell Option With Dimming Capability, Add</i>	43.72	
26 09 23 00-0535 EA Single Pole, Line Voltage, Passive Infrared, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR 10).....	249.12	20.36
<i>For Low Temp/High Humidity Option, Add</i>	14.57	
<i>For Photocell (Inhibit Mode Only) Option, Add</i>	17.49	
<i>For Occupancy Controlled Dimming Option, Add</i>	29.14	
<i>For Photocell Option With Dimming Capability, Add</i>	43.72	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.22	
26 09 23 00-0536 EA Single Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB 10).....	197.82	20.36
<i>For Low Temp/High Humidity Option, Add</i>	14.57	
<i>For Photocell (Inhibit Mode Only) Option, Add</i>	17.49	
<i>For Occupancy Controlled Dimming Option, Add</i>	29.14	
<i>For Photocell Option With Dimming Capability, Add</i>	43.72	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.22	
26 09 23 00-0537 EA 2-Pole, Line Voltage, Passive Infrared, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR 10 2P).....	313.23	20.36
<i>For Low Temp/High Humidity Option, Add</i>	14.57	
<i>For Photocell (Inhibit Mode Only) Option, Add</i>	17.49	
<i>For Photocell Option With Dual Zone On/Off, Add</i>	43.72	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.22	

**26 Electrical**

**26 09 Instrumentation and Control for Electrical Systems**

**26 09 23 Lighting Control Devices**



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0538 EA 2-Pole, Line Voltage, Passive Infrared, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR 10 2P).....	313.23	20.36
For Low Temp/High Humidity Option, Add	14.57	
For Photocell (Inhibit Mode Only) Option, Add	17.49	
For Photocell Option With Dual Zone On/Off, Add	43.72	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.22	
26 09 23 00-0539 EA 2-Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB 10 2P).....	261.94	20.36
For Low Temp/High Humidity Option, Add	14.57	
For Photocell (Inhibit Mode Only) Option, Add	17.49	
For Photocell Option With Dual Zone On/Off, Add	43.72	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.22	
<b>26 09 23 00-0540 Dual Technology, 360 Degree View Occupancy Sensors (Sensor Switch)<sup>(26</sup></b>		
<small>09 23 00-0520)</small>		
Note: One photocell or dimming option per occupancy sensor. Includes passive infrared and microphonics detection		
26 09 23 00-0541 EA Low Voltage, Dual Technology, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CM PDT 9).....	297.20	20.36
For Low Temp/High Humidity Option, Add	14.57	
For Low Voltage Relay Option, Add	17.49	
For Photocell (Inhibit Mode Only) Option, Add	17.49	
For Occupancy Controlled Dimming Option, Add	29.14	
For Photocell Option With Dimming Capability, Add	43.72	
26 09 23 00-0542 EA Low Voltage, Dual Technology, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RM PDT 9).....	297.20	20.36
For Low Temp/High Humidity Option, Add	14.57	
For Low Voltage Relay Option, Add	17.49	
For Photocell (Inhibit Mode Only) Option, Add	17.49	
For Occupancy Controlled Dimming Option, Add	29.14	
For Photocell Option With Dimming Capability, Add	43.72	
26 09 23 00-0543 EA Low Voltage, Dual Technology, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMB PDT 9).....	297.20	20.36
For Low Temp/High Humidity Option, Add	14.57	
For Low Voltage Relay Option, Add	17.49	
For Photocell (Inhibit Mode Only) Option, Add	17.49	
For Occupancy Controlled Dimming Option, Add	29.14	
For Photocell Option With Dimming Capability, Add	43.72	
26 09 23 00-0544 EA Single Pole, Line Voltage, Dual Technology, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR PDT 9).....	281.18	20.36
For Low Temp/High Humidity Option, Add	14.57	
For Photocell (Inhibit Mode Only) Option, Add	17.49	
For Occupancy Controlled Dimming Option, Add	29.14	
For Photocell Option With Dimming Capability, Add	43.72	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.22	
26 09 23 00-0545 EA Single Pole, Line Voltage, Dual Technology, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR PDT 9).....	281.18	20.36
For Low Temp/High Humidity Option, Add	14.57	
For Photocell (Inhibit Mode Only) Option, Add	17.49	
For Occupancy Controlled Dimming Option, Add	29.14	
For Photocell Option With Dimming Capability, Add	43.72	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.22	
26 09 23 00-0546 EA Single Pole, Line Voltage, Dual Technology, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB PDT 9).....	229.88	20.36
For Low Temp/High Humidity Option, Add	14.57	
For Photocell (Inhibit Mode Only) Option, Add	17.49	
For Occupancy Controlled Dimming Option, Add	29.14	
For Photocell Option With Dimming Capability, Add	43.72	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.22	
26 09 23 00-0547 EA 2-Pole, Line Voltage, Dual Technology, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR PDT 9 2P).....	345.29	20.36
For Low Temp/High Humidity Option, Add	14.57	
For Photocell (Inhibit Mode Only) Option, Add	17.49	
For Photocell Option With Dual Zone On/Off, Add	43.72	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.22	
26 09 23 00-0548 EA 2-Pole, Line Voltage, Dual Technology, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR PDT 9 2P).....	345.29	20.36
For Low Temp/High Humidity Option, Add	14.57	
For Photocell (Inhibit Mode Only) Option, Add	17.49	
For Photocell Option With Dual Zone On/Off, Add	43.72	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.22	
26 09 23 00-0549 EA 2-Pole, Line Voltage, Dual Technology, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB PDT 9 2P).....	294.00	20.36
For Low Temp/High Humidity Option, Add	14.57	
For Photocell (Inhibit Mode Only) Option, Add	17.49	
For Photocell Option With Dual Zone On/Off, Add	43.72	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.22	
26 09 23 00-0550 EA Low Voltage, Dual Technology, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CM PDT 10).....	297.20	20.36
For Low Temp/High Humidity Option, Add	14.57	
For Low Voltage Relay Option, Add	17.49	
For Photocell (Inhibit Mode Only) Option, Add	17.49	
For Occupancy Controlled Dimming Option, Add	29.14	
For Photocell Option With Dimming Capability, Add	43.72	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0551 EA Low Voltage, Dual Technology, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RM PDT 10).....	297.20	20.36
<i>For Low Temp/High Humidity Option, Add</i>	14.57	
<i>For Low Voltage Relay Option, Add</i>	17.49	
<i>For Photocell (Inhibit Mode Only) Option, Add</i>	17.49	
<i>For Occupancy Controlled Dimming Option, Add</i>	29.14	
<i>For Photocell Option With Dimming Capability, Add</i>	43.72	
26 09 23 00-0552 EA Low Voltage, Dual Technology, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMB PDT 10).....	297.20	20.36
<i>For Low Temp/High Humidity Option, Add</i>	14.57	
<i>For Low Voltage Relay Option, Add</i>	17.49	
<i>For Photocell (Inhibit Mode Only) Option, Add</i>	17.49	
<i>For Occupancy Controlled Dimming Option, Add</i>	29.14	
<i>For Photocell Option With Dimming Capability, Add</i>	43.72	
26 09 23 00-0553 EA Single Pole, Line Voltage, Dual Technology, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR PDT 10).....	281.18	20.36
<i>For Low Temp/High Humidity Option, Add</i>	14.57	
<i>For Photocell (Inhibit Mode Only) Option, Add</i>	17.49	
<i>For Occupancy Controlled Dimming Option, Add</i>	29.14	
<i>For Photocell Option With Dimming Capability, Add</i>	43.72	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.22	
26 09 23 00-0554 EA Single Pole, Line Voltage, Dual Technology, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR PDT 10).....	281.18	20.36
<i>For Low Temp/High Humidity Option, Add</i>	14.57	
<i>For Photocell (Inhibit Mode Only) Option, Add</i>	17.49	
<i>For Occupancy Controlled Dimming Option, Add</i>	29.14	
<i>For Photocell Option With Dimming Capability, Add</i>	43.72	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.22	
26 09 23 00-0555 EA Single Pole, Line Voltage, Dual Technology, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB PDT 10).....	229.88	20.36
<i>For Low Temp/High Humidity Option, Add</i>	14.57	
<i>For Photocell (Inhibit Mode Only) Option, Add</i>	17.49	
<i>For Occupancy Controlled Dimming Option, Add</i>	29.14	
<i>For Photocell Option With Dimming Capability, Add</i>	43.72	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.22	
26 09 23 00-0556 EA 2-Pole, Line Voltage, Dual Technology, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR PDT 10 2P).....	345.29	20.36
<i>For Low Temp/High Humidity Option, Add</i>	14.57	
<i>For Photocell (Inhibit Mode Only) Option, Add</i>	17.49	
<i>For Photocell Option With Dual Zone On/Off, Add</i>	43.72	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.22	
26 09 23 00-0557 EA 2-Pole, Line Voltage, Dual Technology, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR PDT 10 2P).....	345.29	20.36
<i>For Low Temp/High Humidity Option, Add</i>	14.57	
<i>For Photocell (Inhibit Mode Only) Option, Add</i>	17.49	
<i>For Photocell Option With Dual Zone On/Off, Add</i>	43.72	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.22	
26 09 23 00-0558 EA 2-Pole, Line Voltage, Dual Technology, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB PDT 10 2P).....	294.00	20.36
<i>For Low Temp/High Humidity Option, Add</i>	14.57	
<i>For Photocell (Inhibit Mode Only) Option, Add</i>	17.49	
<i>For Photocell Option With Dual Zone On/Off, Add</i>	43.72	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.22	
<b>26 09 23 00-0559 Wide View And Hallway Occupancy Sensors (Sensor Switch) <small>(26 09 23 00-0496)</small></b>		
<b>26 09 23 00-0560 Passive Infrared, Wide View And Hallway Occupancy Sensors (Sensor Switch) <small>(26 09 23 00-0559)</small></b>		
26 09 23 00-0561 EA Low Voltage, Passive Infrared, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WV 16).....	233.09	20.36
<i>For Low Temp/High Humidity Option, Add</i>	14.57	
<i>For Low Voltage Relay Option, Add</i>	17.49	
<i>For Photocell (Inhibit Mode Only) Option, Add</i>	17.49	
<i>For Ceiling Mount, Add</i>	29.14	
26 09 23 00-0562 EA Low Voltage, Passive Infrared, Wall Mount, Hallway Occupancy Sensor (Sensor Switch HW 13).....	265.15	20.36
<i>For Low Temp/High Humidity Option, Add</i>	14.57	
<i>For Low Voltage Relay Option, Add</i>	17.49	
<i>For Photocell (Inhibit Mode Only) Option, Add</i>	17.49	
<i>For Ceiling Mount, Add</i>	29.14	
26 09 23 00-0563 EA Line Voltage, Passive Infrared, Wall Mount, Hallway Occupancy Sensor (Sensor Switch HWR 13).....	329.26	20.36
<i>For Low Temp/High Humidity Option, Add</i>	14.57	
<i>For Ceiling Mount, Add</i>	29.14	
26 09 23 00-0564 EA Single Pole, Line Voltage, Passive Infrared, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WVR 16).....	313.23	20.36
<i>For Low Temp/High Humidity Option, Add</i>	14.57	
<i>For Photocell (Inhibit Mode Only) Option, Add</i>	17.49	
<i>For Ceiling Mount, Add</i>	29.14	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.22	
26 09 23 00-0565 EA 2-Pole, Line Voltage, Passive Infrared, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WVR 16 2P).....	377.35	20.36
<i>For Low Temp/High Humidity Option, Add</i>	14.57	
<i>For Photocell (Inhibit Mode Only) Option, Add</i>	17.49	
<i>For Ceiling Mount, Add</i>	29.14	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.22	

**26 Electrical**  
**26 09 Instrumentation and Control for Electrical Systems**  
**26 09 23 Lighting Control Devices**



MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
26 09 23 00-0566		Dual Technology, Wide View And Hallway Occupancy Sensors (Sensor Switch) <sup>(26 09 23 00-0559)</sup> Note: Includes passive infrared and microphonics detection			
26 09 23 00-0567	EA	Low Voltage, Dual Technology, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WV PDT 16) .....	297.20		20.36
		For Low Temp/High Humidity Option, Add	14.57		
		For Low Voltage Relay Option, Add	17.49		
		For Photocell (Inhibit Mode Only) Option, Add	17.49		
		For Ceiling Mount, Add	29.14		
26 09 23 00-0568	EA	Single Pole, Line Voltage, Dual Technology, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WVR PDT 16) .....	345.29		20.36
		For Low Temp/High Humidity Option, Add	14.57		
		For Photocell (Inhibit Mode Only) Option, Add	17.49		
		For Ceiling Mount, Add	29.14		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.22		
26 09 23 00-0569	EA	2-Pole, Line Voltage, Dual Technology, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WVR PDT 16 2P) .....	409.41		20.36
		For Low Temp/High Humidity Option, Add	14.57		
		For Photocell (Inhibit Mode Only) Option, Add	17.49		
		For Ceiling Mount, Add	29.14		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.22		
26 09 23 00-0570		High Bay Occupancy Sensors (Sensor Switch) <sup>(26 09 23 00-0496)</sup>			
26 09 23 00-0571		Passive Infrared, High Bay Occupancy Sensors (Sensor Switch) <sup>(26 09 23 00-0570)</sup>			
26 09 23 00-0572	EA	Low Voltage, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CM 6) .....	233.09		20.36
		For Low Temp/High Humidity Option, Add	14.57		
		For Low Voltage Relay Option, Add	17.49		
		For Photocell Option, Add	29.14		
		For Occupancy Controlled Dimming Option, Add	29.14		
26 09 23 00-0573	EA	Low Voltage, Passive Infrared, Recessed Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch RM 6) .....	233.09		20.36
		For Low Temp/High Humidity Option, Add	14.57		
		For Low Voltage Relay Option, Add	17.49		
		For Photocell Option, Add	29.14		
		For Occupancy Controlled Dimming Option, Add	29.14		
26 09 23 00-0574	EA	Low Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMB 6) .....	233.09		20.36
		For Low Temp/High Humidity Option, Add	14.57		
		For Low Voltage Relay Option, Add	17.49		
		For Photocell Option, Add	29.14		
		For Occupancy Controlled Dimming Option, Add	29.14		
26 09 23 00-0575	EA	Single Pole, Line Voltage, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMR 6) .....	197.82		20.36
		For Low Temp/High Humidity Option, Add	14.57		
		For Start To High, HID Option, Add	17.49		
		For Photocell Option, Add	29.14		
		For Occupancy Controlled Dimming Option, Add	29.14		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.22		
26 09 23 00-0576	EA	Single Pole, Line Voltage, Passive Infrared, Recessed Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch RMR 6) .....	197.82		20.36
		For Low Temp/High Humidity Option, Add	14.57		
		For Start To High, HID Option, Add	17.49		
		For Photocell Option, Add	29.14		
		For Occupancy Controlled Dimming Option, Add	29.14		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.22		
26 09 23 00-0577	EA	Single Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMRB 6) .....	197.82		20.36
		For Low Temp/High Humidity Option, Add	14.57		
		For Start To High, HID Option, Add	17.49		
		For Photocell Option, Add	29.14		
		For Occupancy Controlled Dimming Option, Add	29.14		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.22		
26 09 23 00-0578	EA	2-Pole, Line Voltage, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMR 6 2P) .....	261.94		20.36
		For Low Temp/High Humidity Option, Add	14.57		
		For Photocell Option, Add	29.14		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.22		
26 09 23 00-0579	EA	2-Pole, Line Voltage, Passive Infrared, Recessed Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch RMR 6 2P) .....	261.94		20.36
		For Low Temp/High Humidity Option, Add	14.57		
		For Photocell Option, Add	29.14		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.22		
26 09 23 00-0580	EA	2-Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMRB 6 2P) .....	261.94		20.36
		For Low Temp/High Humidity Option, Add	14.57		
		For Photocell Option, Add	29.14		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.22		
26 09 23 00-0581	EA	208/240 Volt AC, Line Voltage, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMR 6 208) .....	220.27		20.36
		For Low Temp/High Humidity Option, Add	14.57		
		For Photocell Option, Add	29.14		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.22		





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0582 EA 208/240 Volt AC, Line Voltage, Passive Infrared, Recessed Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch RMR 6 208).....	220.27	20.36
<i>For Low Temp/High Humidity Option, Add</i>	14.57	
<i>For Photocell Option, Add</i>	29.14	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.22	
26 09 23 00-0583 EA 208/240 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMRB 6 208).....	220.27	20.36
<i>For Low Temp/High Humidity Option, Add</i>	14.57	
<i>For Photocell Option, Add</i>	29.14	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.22	
26 09 23 00-0584 EA 480 Volt AC, Line Voltage, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMR 6 480).....	220.27	20.36
<i>For Low Temp/High Humidity Option, Add</i>	14.57	
<i>For Photocell Option, Add</i>	29.14	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.22	
26 09 23 00-0585 EA 480 Volt AC, Line Voltage, Passive Infrared, Recessed Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch RMR 6 480).....	220.27	20.36
<i>For Low Temp/High Humidity Option, Add</i>	14.57	
<i>For Photocell Option, Add</i>	29.14	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.22	
26 09 23 00-0586 EA 480 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMRB 6 480).....	220.27	20.36
<i>For Low Temp/High Humidity Option, Add</i>	14.57	
<i>For Photocell Option, Add</i>	29.14	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.22	
26 09 23 00-0587 EA Low Voltage, Passive Infrared, Surface Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HM 50).....	265.15	20.36
<i>For Low Temp/High Humidity Option, Add</i>	14.57	
<i>For Low Voltage Relay Option, Add</i>	17.49	
<i>For Occupancy Controlled Dimming Option, Add</i>	29.14	
26 09 23 00-0588 EA Low Voltage, Passive Infrared, Recessed Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch RM 50).....	265.15	20.36
<i>For Low Temp/High Humidity Option, Add</i>	14.57	
<i>For Low Voltage Relay Option, Add</i>	17.49	
<i>For Occupancy Controlled Dimming Option, Add</i>	29.14	
26 09 23 00-0589 EA Low Voltage, Passive Infrared, Fixture (Box) Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch CMB 50).....	265.15	20.36
<i>For Low Temp/High Humidity Option, Add</i>	14.57	
<i>For Low Voltage Relay Option, Add</i>	17.49	
<i>For Photocell Option, Add</i>	29.14	
<i>For Occupancy Controlled Dimming Option, Add</i>	29.14	
26 09 23 00-0590 EA Single Pole, Line Voltage, Passive Infrared, Surface Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMR 50).....	326.06	20.36
<i>For Low Temp/High Humidity Option, Add</i>	14.57	
<i>For Start To High, HID Option, Add</i>	17.49	
<i>For Occupancy Controlled Dimming Option, Add</i>	29.14	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.22	
26 09 23 00-0591 EA Single Pole, Line Voltage, Passive Infrared, Recessed Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch RMR 50).....	326.06	20.36
<i>For Low Temp/High Humidity Option, Add</i>	14.57	
<i>For Start To High, HID Option, Add</i>	17.49	
<i>For Occupancy Controlled Dimming Option, Add</i>	29.14	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.22	
26 09 23 00-0592 EA Single Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch CMRB 50).....	326.06	20.36
<i>For Low Temp/High Humidity Option, Add</i>	14.57	
<i>For Start To High, HID Option, Add</i>	17.49	
<i>For Photocell Option, Add</i>	29.14	
<i>For Occupancy Controlled Dimming Option, Add</i>	29.14	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.22	
26 09 23 00-0593 EA 2-Pole, Line Voltage, Recessed Mount, Passive Infrared, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch RMR 50 2P).....	284.38	20.36
<i>For Low Temp/High Humidity Option, Add</i>	14.57	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.22	
26 09 23 00-0594 EA 2-Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch CMRB 50 2P).....	284.38	20.36
<i>For Low Temp/High Humidity Option, Add</i>	14.57	
<i>For Photocell Option, Add</i>	29.14	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.22	
26 09 23 00-0595 EA 208/240 Volt AC, Line Voltage, Passive Infrared, Recessed Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch RMR 50 208).....	236.29	20.36
<i>For Low Temp/High Humidity Option, Add</i>	14.57	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.22	
26 09 23 00-0596 EA 208/240 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch CMRB 50 208).....	236.29	20.36
<i>For Low Temp/High Humidity Option, Add</i>	14.57	
<i>For Photocell Option, Add</i>	29.14	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.22	
26 09 23 00-0597 EA 480 Volt AC, Line Voltage, Passive Infrared, Recessed Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch RMR 50 480).....	236.29	20.36
<i>For Low Temp/High Humidity Option, Add</i>	14.57	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.22	
26 09 23 00-0598 EA 480 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch CMRB 50 480).....	236.29	20.36
<i>For Low Temp/High Humidity Option, Add</i>	14.57	
<i>For Photocell Option, Add</i>	29.14	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.22	

**26 Electrical**

**26 09 Instrumentation and Control for Electrical Systems**

**26 09 23 Lighting Control Devices**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0599	EA		Low Voltage, Passive Infrared, Surface Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HM 10).....	265.15	20.36
			<i>For Low Temp/High Humidity Option, Add</i>	14.57	
			<i>For Low Voltage Relay Option, Add</i>	17.49	
			<i>For Occupancy Controlled Dimming Option, Add</i>	29.14	
26 09 23 00-0600	EA		Low Voltage, Passive Infrared, Fixture (Box) Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMB 10).....	265.15	20.36
			<i>For Low Temp/High Humidity Option, Add</i>	14.57	
			<i>For Low Voltage Relay Option, Add</i>	17.49	
			<i>For Occupancy Controlled Dimming Option, Add</i>	29.14	
26 09 23 00-0601	EA		Single Pole, Line Voltage, Passive Infrared, Surface Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMR 10).....	326.06	20.36
			<i>For Low Temp/High Humidity Option, Add</i>	14.57	
			<i>For Start To High, HID Option, Add</i>	17.49	
			<i>For Occupancy Controlled Dimming Option, Add</i>	29.14	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.22	
26 09 23 00-0602	EA		Single Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMRB 10).....	326.06	20.36
			<i>For Low Temp/High Humidity Option, Add</i>	14.57	
			<i>For Start To High, HID Option, Add</i>	17.49	
			<i>For Occupancy Controlled Dimming Option, Add</i>	29.14	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.22	
26 09 23 00-0603	EA		2-Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMRB 10 2P).....	313.23	20.36
			<i>For Low Temp/High Humidity Option, Add</i>	14.57	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.22	
26 09 23 00-0604	EA		480 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMRB 10 480).....	281.18	20.36
			<i>For Low Temp/High Humidity Option, Add</i>	14.57	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.22	
26 09 23 00-0605	EA		208/240 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMRB 10 208).....	281.18	20.36
			<i>For Low Temp/High Humidity Option, Add</i>	14.57	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.22	
<b>26 09 23 00-0606</b>			<b>Occupancy Sensor Power Packs (Sensor Switch)</b> <small>(26 09 23 00-0495)</small>		
26 09 23 00-0607	EA		Single Pole, 20 Amperes, 120/277 Volt AC, Occupancy Sensor Power Pack With Relay Circuit Protection (Sensor Switch PP20).....	125.97	18.10
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.86	
26 09 23 00-0608	EA		2-Pole, 20 Amperes, 120/277 Volt AC, Occupancy Sensor Power Pack With Relay Circuit Protection (Sensor Switch PP20 2P).....	190.09	18.10
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.86	
26 09 23 00-0609	EA		Single Pole, 20 Amperes, 120/277 Volt AC, Occupancy Sensor Power Pack Without Relay Circuit Protection (Sensor Switch MP20).....	93.91	18.10
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.86	
26 09 23 00-0610	EA		2-Pole, 20 Amperes, 120/277 Volt AC, Occupancy Sensor Slave Pack Without Relay Circuit Protection (Sensor Switch MSP20).....	84.30	18.10
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.86	
26 09 23 00-0611	EA		20 Amperes, 120/277 Volt AC, Occupancy Sensor Slave Pack (Sensor Switch SP20).....	116.36	18.10
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.86	
26 09 23 00-0612	EA		120/277 Volt AC, High Intensity Discharge (HID) Power Pack With 20 Minute Start To High Override (Sensor Switch PP20 SH).....	196.50	18.10
			<i>For Low Temp/High Humidity Option, Add</i>	14.57	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.86	
26 09 23 00-0613	EA		120/277 Volt AC, 2-Pole, Power Pack With Alternating Relays (Sensor Switch PP 2PAR).....	196.50	18.10
			<i>For Low Temp/High Humidity Option, Add</i>	14.57	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.86	
26 09 23 00-0614	EA		120/277 Volt AC, Power Pack With Momentary Contacts For Latching Contactors Or Relays (Sensor Switch PP 2PM).....	196.50	18.10
			<i>For Low Temp/High Humidity Option, Add</i>	14.57	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.86	
<b>26 09 23 00-0615</b>			<b>Daylighting Control (Sensor Switch)</b> <small>(26 09 23 00-0495)</small>		
26 09 23 00-0616	EA		Low Voltage, Ceiling Mount, On-Off Switching Photocell (Sensor Switch CM PC).....	201.03	20.36
			<i>For Low Temp/High Humidity Option, Add</i>	14.57	
			<i>For Dual Zone Option, Add</i>	43.72	
26 09 23 00-0617	EA		Low Voltage, Recessed Mount, On-Off Switching Photocell (Sensor Switch RM PC).....	201.03	20.36
			<i>For Low Temp/High Humidity Option, Add</i>	14.57	
			<i>For Dual Zone Option, Add</i>	43.72	
26 09 23 00-0618	EA		Low Voltage, Fixture (Box) Mount, On-Off Switching Photocell (Sensor Switch CMB PC).....	201.03	20.36
			<i>For Low Temp/High Humidity Option, Add</i>	14.57	
			<i>For Dual Zone Option, Add</i>	43.72	
26 09 23 00-0619	EA		Line Voltage, Ceiling Mount, On-Off Switching Photocell (Sensor Switch CMR PC).....	201.03	20.36
			<i>For Low Temp/High Humidity Option, Add</i>	14.57	
			<i>For 480 Volt AC Option, Add</i>	20.40	
			<i>For Dual Zone Option, Add</i>	43.72	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.22	
26 09 23 00-0620	EA		Line Voltage, Recessed Mount, On-Off Switching Photocell (Sensor Switch RMR PC).....	201.03	20.36
			<i>For Low Temp/High Humidity Option, Add</i>	14.57	
			<i>For 480 Volt AC Option, Add</i>	20.40	
			<i>For Dual Zone Option, Add</i>	43.72	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.22	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0621 EA Line Voltage, Fixture (Box) Mount, On-Off Switching Photocell (Sensor Switch CMRB PC).....	201.03	20.36
<i>For Low Temp/High Humidity Option, Add</i>	14.57	
<i>For 480 Volt AC Option, Add</i>	20.40	
<i>For Dual Zone Option, Add</i>	43.72	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.22	
26 09 23 00-0622 EA Low Voltage, Ceiling Mount, Automatic Dimming Control Photocell (Sensor Switch CM ADC).....	201.03	20.36
<i>For Low Temp/High Humidity Option, Add</i>	14.57	
<i>For Dual Zone Option, Add</i>	43.72	
26 09 23 00-0623 EA Low Voltage, Recessed Mount, Automatic Dimming Control Photocell (Sensor Switch RM ADC).....	201.03	20.36
<i>For Low Temp/High Humidity Option, Add</i>	14.57	
<i>For Dual Zone Option, Add</i>	43.72	
26 09 23 00-0624 EA Low Voltage, Fixture (Box) Mount, Automatic Dimming Control Photocell (Sensor Switch CMB ADC).....	201.03	20.36
<i>For Low Temp/High Humidity Option, Add</i>	14.57	
<i>For Dual Zone Option, Add</i>	43.72	
26 09 23 00-0625 EA Line Voltage, Ceiling Mount, Automatic Dimming Control Photocell (Sensor Switch CMR ADC).....	201.03	20.36
<i>For Low Temp/High Humidity Option, Add</i>	14.57	
<i>For Dual Zone Option, Add</i>	43.72	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.22	
26 09 23 00-0626 EA Line Voltage, Recessed Mount, Automatic Dimming Control Photocell (Sensor Switch RMR ADC).....	201.03	20.36
<i>For Low Temp/High Humidity Option, Add</i>	14.57	
<i>For Dual Zone Option, Add</i>	43.72	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.22	
26 09 23 00-0627 EA Line Voltage, Fixture (Box) Mount, Automatic Dimming Control Photocell (Sensor Switch CMRB ADC).....	201.03	20.36
<i>For Low Temp/High Humidity Option, Add</i>	14.57	
<i>For Dual Zone Option, Add</i>	43.72	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.22	
26 09 23 00-0628 EA Low Voltage, Ceiling Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch CM PC ADC).....	297.20	20.36
<i>For Low Temp/High Humidity Option, Add</i>	14.57	
<i>For Dual Zone Option, Add</i>	43.72	
26 09 23 00-0629 EA Low Voltage, Recessed Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch RM PC ADC).....	297.20	20.36
<i>For Low Temp/High Humidity Option, Add</i>	14.57	
<i>For Dual Zone Option, Add</i>	43.72	
26 09 23 00-0630 EA Low Voltage, Fixture (Box) Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch CMB PC ADC).....	297.20	20.36
<i>For Low Temp/High Humidity Option, Add</i>	14.57	
<i>For Dual Zone Option, Add</i>	43.72	
26 09 23 00-0631 EA Line Voltage, Ceiling Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch CMR PC ADC).....	297.20	20.36
<i>For Low Temp/High Humidity Option, Add</i>	14.57	
<i>For Dual Zone Option, Add</i>	43.72	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.22	
26 09 23 00-0632 EA Line Voltage, Recessed Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch RMR PC ADC).....	297.20	20.36
<i>For Low Temp/High Humidity Option, Add</i>	14.57	
<i>For Dual Zone Option, Add</i>	43.72	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.22	
26 09 23 00-0633 EA Line Voltage, Fixture (Box) Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch CMRB PC ADC).....	297.20	20.36
<i>For Low Temp/High Humidity Option, Add</i>	14.57	
<i>For Dual Zone Option, Add</i>	43.72	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.22	
26 09 23 00-0634 Occupancy Sensors (Sensor Switch nLight®) (26 09 23)		
Note: Includes testing of new devices and certification.		
26 09 23 00-0635 Occupancy Sensors (Sensor Switch nLight®) (26 09 23 00-0634)		
Note: Excludes boxes.		
26 09 23 00-0636 Wall Switch Mount Occupancy Sensors (Sensor Switch nLight®) (26 09 23 00-0635)		
26 09 23 00-0637 Dual Technology, Wall Switch Mount Occupancy Sensors (Sensor Switch nLight®) (26 09 23 00-0636)		
Note: Includes passive infrared and microphonics detection		
26 09 23 00-0638 EA Low Voltage, Dual Technology, Wall Switch Mount Occupancy Sensor With Raise/Lower Dim Control (Sensor Switch nLight® nWSX PDT LV DX).....	331.08	9.06
26 09 23 00-0639 360 Degree View Occupancy Sensors (Sensor Switch nLight®) (26 09 23 00-0635)		
26 09 23 00-0640 Passive Infrared, 360 Degree View Occupancy Sensors (Sensor Switch nLight®) (26 09 23 00-0639)		
Note: One photocell or dimming option per occupancy sensor		
26 09 23 00-0641 EA Low Voltage, Passive Infrared, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch nLight® nCM 9).....	384.66	20.36
26 09 23 00-0642 EA Low Voltage, Passive Infrared, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch nLight® nCM 10).....	384.66	20.36
26 09 23 00-0643 EA Low Voltage, Passive Infrared, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor With Auto Dimming Control Photocell (Sensor Switch nLight® nCM 10 ADC).....	384.66	20.36
26 09 23 00-0644 Dual Technology, 360 Degree View Occupancy Sensors (Sensor Switch nLight®) (26 09 23 00-0639)		
Note: One photocell or dimming option per occupancy sensor. Includes passive infrared and microphonics detection		

**26 Electrical****26 09 Instrumentation and Control for Electrical Systems****26 09 23 Lighting Control Devices**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0645	EA	Low Voltage, Dual Technology, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch nLight® nCM PDT 9).....	453.45	20.36
26 09 23 00-0646	EA	Low Voltage, Dual Technology, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch nLight® nCM PDT 10).....	453.45	20.36
26 09 23 00-0647	EA	2-Channel, Low Voltage, Dual Technology, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch nLight® nCM PDT 10 2P).....	470.62	20.36
26 09 23 00-0648		<b>Wide View And Hallway Occupancy Sensors (Sensor Switch nLight®)</b> (26 09 23 00-0635)		
26 09 23 00-0649		<b>Dual Technology, Wide View And Hallway Occupancy Sensors (Sensor Switch nLight®)</b> (26 09 23 00-0648)		
		Note: Includes passive infrared and microphonics detection		
26 09 23 00-0650	EA	Low Voltage, Dual Technology, Corner/Ceiling Mount, Wide View Occupancy Sensor (Sensor Switch nLight® nWV PDT 16).....	453.45	20.36
26 09 23 00-0651		<b>High Bay Occupancy Sensors (Sensor Switch nLight®)</b> (26 09 23 00-0635)		
26 09 23 00-0652		<b>Passive Infrared, High Bay Occupancy Sensors (Sensor Switch nLight®)</b> (26 09 23 00-0651)		
26 09 23 00-0653	EA	Low Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch nLight® nCMB 6).....	384.66	20.36
26 09 23 00-0654		<b>Occupancy Sensor Power Packs (Sensor Switch nLight®)</b> (26 09 23 00-0634)		
26 09 23 00-0655	EA	150mA At 15 Volt DC Output, 120-277 Volt AC Input, Standard Power Supply (Sensor Switch nLight® PS-150).....	122.19	18.10
26 09 23 00-0656	EA	250mA At 15 Volt DC Output, 120-277 Volt AC Input, Standard Power Supply (Sensor Switch nLight® PS-250).....	156.61	18.10
26 09 23 00-0657	EA	30mA/Port At 15 Volt DC Output, 120-277 Volt AC Input, Dimming Power Pack (Sensor Switch nLight® nEPP5 D KO).....	215.05	18.10
26 09 23 00-0658	EA	System Power Pack and Relay, Switching Module (Sensor Switch nLight® nPP 16).....	215.05	18.10
26 09 23 00-0659		<b>Occupancy Sensor Accessories (Sensor Switch nLight®)</b> (26 09 23 00-0634)		
26 09 23 00-0660	EA	RS232 AV Integrator (Sensor Switch nLight® nIO X).....	470.62	20.36
26 09 23 00-0661	EA	8 Port, Aggregation Bridge With Power Supply (Sensor Switch nLight® nBRG 8 KIT).....	375.87	20.36
26 09 23 00-0662		<b>Daylighting Controls (Sensor Switch nLight®)</b> (26 09 23 00-0634)		
26 09 23 00-0663	EA	Low Voltage, Ceiling Mount, Automatic Dimming Control Photocell (Sensor Switch nLight® nCM ADC).....	315.88	20.36
26 09 23 00-0664		<b>Controls (Sensor Switch nLight®)</b> (26 09 23 00-0634)		
26 09 23 00-0665	EA	On/Off And Raise/Lower Control, Push Button Digital Wall Switch, WallPod® Station (Sensor Switch nLight® nPODM DX).....	202.39	20.36
26 09 23 00-0666	EA	1 Scene Controller (2 Buttons), Push Button Digital Wall Switch, WallPod® Station (Sensor Switch nLight® nPODM 1SB).....	298.71	20.36
26 09 23 00-0667	EA	On/Off Push Button Digital Wall Switch, WallPod® Station (Sensor Switch nLight® nPODM).....	711.40	20.36
26 09 23 00-0668	EA	3-1/2" Screen, High Resolution Touch Screen Controller, WallPod® Station (Sensor Switch nLight® nPOD GFX).....	711.40	20.36
26 09 23 00-0669	EA	3-1/2" Screen, Touch Screen Clock And Network Interface Controller, Gateway (Sensor Switch nLight® nGWY2).....	2,706.16	20.36
26 09 23 00-0670		<b>Occupancy Sensors (Lutron)</b> (26 09 23)		
		Note: Includes testing of new devices and certification.		
26 09 23 00-0671		<b>Wireless Occupancy Sensors</b> (26 09 23 00-0670)		
26 09 23 00-0672	EA	Wireless, Passive Infrared, Ceiling Mount, 360 Degree View Occupancy/Vacancy Sensor (Lutron® LRF2-OCR2B-P-WH).....	146.57	20.36
26 09 23 00-0673	EA	Wireless, Passive Infrared, Ceiling Mount, 360 Degree View Vacancy Sensor (Lutron® LRF2-VCR2B-P-WH).....	153.67	20.36
26 09 23 00-0674	EA	Wireless, Passive Infrared, Hallway Wall Mount, Occupancy/Vacancy Sensor (Lutron® LRF2-OHLB-P-WH).....	148.25	20.36
26 09 23 00-0675	EA	Wireless, Passive Infrared, Hallway Wall Mount, Vacancy Sensor (Lutron® LRF2-VHLB-P-WH).....	157.66	20.36
26 09 23 00-0676	EA	Wireless, Passive Infrared, 90 Degree Corner Mount, Occupancy/Vacancy Sensor (Lutron® LRF2-OKLB-P-WH).....	150.36	20.36
26 09 23 00-0677	EA	Wireless, Passive Infrared, 90 Degree Corner Mount, Vacancy Sensor (Lutron® LRF2-VKLB-P-WH).....	157.66	20.36
26 09 23 00-0678	EA	Wireless, Passive Infrared, 180 Degree Wall Mount, Occupancy/Vacancy Sensor (Lutron® LRF2-OWLB-P-WH).....	146.57	20.36
26 09 23 00-0679	EA	Wireless, Passive Infrared, 180 Degree Wall Mount, Vacancy Sensor (Lutron® LRF2-VWLB-P-WH).....	150.36	20.36
26 09 23 00-0680	EA	Wireless, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Lutron® FHB140NP24V).....	148.25	20.36
26 09 23 00-0681	EA	Wireless, Dual Technology, Ceiling Mount, 500 SF Coverage, 180 Degree View Occupancy Sensor (Lutron® LOS-CDT-500-WH).....	236.81	20.36
26 09 23 00-0682	EA	Wireless, Dual Technology, Ceiling Mount, 500 SF Coverage, 180 Degree View Occupancy Sensor With Relay (Lutron® LOS-CDT-500R-WH).....	253.68	20.36
26 09 23 00-0683	EA	Wireless, Dual Technology, Ceiling Mount, 1,000 SF Coverage, 180 Degree View Occupancy Sensor (Lutron® LOS-CDT-1000-WH).....	291.63	20.36
26 09 23 00-0684	EA	Wireless, Dual Technology, Ceiling Mount, 1,000 SF Coverage, 180 Degree View Occupancy Sensor With Relay (Lutron® LOS-CDT-1000R-WH).....	308.50	20.36
26 09 23 00-0685	EA	Wireless, Dual Technology, Ceiling Mount, 2,000 SF Coverage, 360 Degree View Occupancy Sensor (Lutron® LOS-CDT-2000-WH).....	316.93	20.36
26 09 23 00-0686	EA	Wireless, Dual Technology, Ceiling Mount, 2,000 SF Coverage, 360 Degree View Occupancy Sensor With Relay (Lutron® LOS-CDT-2000R-WH).....	333.80	20.36
26 09 23 00-0687	EA	Wireless, Passive Infrared, Ceiling Mount, 450 SF Coverage, 360 Degree View Occupancy Sensor (Lutron® LOS-CIR-450-WH).....	183.68	20.36



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0688 EA Wireless, Passive Infrared, Ceiling Mount, 1,000 SF Coverage, 360 Degree View Occupancy Sensor (Lutron® LOS-CIR-1500-WH) .....	194.64	20.36
26 09 23 00-0689 EA Wireless, Ultrasonic, Ceiling Mount, 500 SF Coverage, 180 Degree View Occupancy Sensor (Lutron® LOS-CUS-500-WH) .....	230.48	20.36
26 09 23 00-0690 EA Wireless, Ultrasonic, Ceiling Mount, 1,000 SF Coverage, 180 Degree View Occupancy Sensor (Lutron® LOS-CUS-1000-WH) .....	257.89	20.36
26 09 23 00-0691 EA Wireless, Ultrasonic, Ceiling Mount, 2,000 SF Coverage, 360 Degree View Occupancy Sensor (Lutron® LOS-CUS-2000-WH) .....	278.98	20.36
26 09 23 00-0692 EA Wireless, Passive Infrared, 1,600 SF Coverage, 110 Degree Wall Mount, Occupancy Sensor (Lutron® LOS-WIR-WH) .....	238.92	20.36
26 09 23 00-0693 EA Wireless, Passive Infrared, RF Daylight Sensor (Lutron® LRF2-DCRB-WH) .....	218.44	20.36
26 09 23 00-0694 EA Wireless, Dual Technology, Wall Mount, 1,000 SF Coverage, 180 Degree View Occupancy Sensor (Lutron® LOS-SIR-HD-WH) .....	180.33	20.36
26 09 23 00-0695 EA Wireless, Dual Technology, Wall Mount, 1,000 SF Coverage, 180 Degree View Occupancy Sensor, Dual Circuit (Lutron® LOS-S2IR-HD-WH) .....	225.26	20.36
26 09 23 00-0696 EA Wireless, Switch and Ceiling Retrofit Sensor (Lutron® MRF2-1S8A-10C) .....	276.58	20.36
26 09 23 00-0697 EA Wireless, Switch and Hallway Retrofit Sensor (Lutron® MRF2-1S8A-10H) .....	294.44	20.36
26 09 23 00-0698 EA Wireless, Switch and Corner Retrofit Sensor (Lutron® MRF2-1S8A-10K) .....	294.44	20.36
26 09 23 00-0699 EA Wireless, Switch and Wall Retrofit Sensor (Lutron® MRF2-1S8A-10W) .....	294.44	20.36
26 09 23 00-0700 EA Wireless, Switch and Vacancy Retrofit Sensor (Lutron® MRF2-1S8A-10V) .....	310.81	20.36
26 09 23 00-0701 EA Wireless, Two Switchs and Wall Retrofit Sensor (Lutron® MRF2-2S8A-10W) .....	506.72	29.42
<b>26 09 23 00-0702 Nodes And Modules</b> <small>(26 09 23 00-0670)</small>		
26 09 23 00-0703 EA 0 Wired Inputs, Ceiling Mount, QS Sensor Module (Lutron® QSM2-XW-C) .....	247.35	20.36
26 09 23 00-0704 EA 0 Wired Inputs, Junction Box Ceiling Mount, QS Sensor Module (Lutron® QSM2-XW-J) .....	247.35	20.36
26 09 23 00-0705 EA 4 Wired Inputs, Ceiling Mount, QS Sensor Module (Lutron® QSM2-4W-C) .....	316.93	20.36
26 09 23 00-0706 EA 4 Wired Inputs, Junction Box Ceiling Mount, QS Sensor Module (Lutron® QSM2-4W-J) .....	316.93	20.36
26 09 23 00-0707 EA 120 Volt, Gang Box Mount, 3-Wire Fluorescent Power Module (Lutron® PHPM-3F-120-WH) .....	407.90	22.63
26 09 23 00-0708 EA 120 Volt, Gang Box Mount, Switching Power Module (Lutron® PHPM-SW-DV-WH) .....	407.90	22.63
26 09 23 00-0709 EA 120 Volt, Gang Box Mount, Phase Adaptive Power Module (Lutron® PHPM-PA-120-WH) .....	498.57	22.63
26 09 23 00-0710 EA 120 Volt, Gang Box Mount, Phase Adaptive Power Module With 3-Wire Fluorescent Input (Lutron® PHPM-WBX-120-WH) .....	511.22	22.63
26 09 23 00-0711 EA 120/277 Volt, Gang Box Mount, 3-Wire Fluorescent Power Module (Lutron® PHPM-3F-DV-WH) .....	635.62	22.63
26 09 23 00-0712 EA 120/277 Volt, Gang Box Mount, Phase Adaptive Power Module (Lutron® PHPM-PA-DV-WH) .....	675.68	22.63
26 09 23 00-0713 EA 120/277 Volt, Gang Box Mount, Phase Adaptive Power Module With 3-Wire Fluorescent Input (Lutron® PHPM-WBX-DV-WH) .....	715.74	22.63
26 09 23 00-0714 EA 1 Circuit, Surface Mount, HP Hi-Power Dimming Module System (Lutron® HP-2) .....	1,954.25	36.21
26 09 23 00-0715 EA 2 Circuits, Surface Mount, HP Hi-Power Dimming Module System (Lutron® HP-4) .....	1,915.87	40.74
26 09 23 00-0716 EA 3 Circuits, Surface Mount, HP Hi-Power Dimming Module System (Lutron® HP-6) .....	2,821.04	45.26
<b>26 09 23 00-0717 Other Accessories</b> <small>(26 09 23 00-0670)</small>		
26 09 23 00-0718 EA Pico® Wireless Control Wallplate Adapter (Lutron® PJ) .....	33.34	
26 09 23 00-0719 EA Pico® Wireless Control (Lutron® PJ) .....	52.60	
26 09 23 00-0720 EA 4-Scene Wireless Remote Control (Lutron® GRX-IT-WH) .....	156.63	
26 09 23 00-0721 EA 8-Scene Wireless Remote Control (Lutron® GRX-8IT-WH) .....	302.12	
26 09 23 00-0722 EA 4 Button, EcoSystem® Wall Control With Raise/Lower (Lutron® CC-4BRL) .....	304.77	20.36
26 09 23 00-0723 EA seeTouch® QS Wallstation (Lutron® QSWS2) .....	390.22	20.36
26 09 23 00-0724 EA seeTouch® QS Wallstation With Infrared Receiver (Lutron® QSWS2) .....	390.22	20.36
26 09 23 00-0725 EA 120/277 Volt, Energi Savr Node™ With Softswitch®, Fixture Controller (Lutron® QSN-4S16-S) .....	648.27	22.63
26 09 23 00-0726 EA 120/277 Volt, Energi Savr Node™ For 0-10 V Models, Fixture Controller (Lutron® QSN-4T16-S) .....	894.97	22.63
26 09 23 00-0727 EA Control Interface (Lutron® QSE-CI-NWK-E) .....	1,082.32	20.36
26 09 23 00-0728 EA 1 EcoSystem® Digital Link, Energi Savr Node™, Digital Fixture Controller (Lutron® QSN-1ECO-S) .....	1,073.91	20.36
26 09 23 00-0729 EA 2 EcoSystem® Digital Links, Energi Savr Node™, Digital Fixture Controller (Lutron® QSN-2ECO-S) .....	1,442.90	20.36
26 09 23 00-0730 MLF 5 Conductor, Non-Plenum, Low Voltage Grafik Eye Cable (Lutron® GRX-CBL-346S) .....	1,897.06	632.27
26 09 23 00-0731 MLF 5 Conductor, Plenum Rated, Low Voltage Grafik Eye Cable (Lutron® GRX-PCBL-346S) .....	2,740.46	632.27
<b>26 09 23 00-0732 Fixture Mounted Occupancy Sensors (Leviton)</b> <small>(26 09 23)</small>		
Note: Includes testing of new devices and certification.		
26 09 23 00-0733 EA 120-347 Volt, Passive Infrared, Fixture Mount, 360 Degree View, High Bay Occupancy Sensor (Leviton® OSFHU-ITW) .....	139.82	20.36
26 09 23 00-0734 EA 480 Volt, Passive Infrared, Fixture Mount, 360 Degree View, High Bay Occupancy Sensor (Leviton® OSFHU-14W) .....	120.42	20.36
26 09 23 00-0735 EA 120-347 Volt, Passive Infrared, Fixture Mount, 360 Degree View, Cold Storage Occupancy Sensor (Leviton® OSFHU-CTW) .....	155.84	20.36
26 09 23 00-0736 EA 480 Volt, Passive Infrared, Fixture Mount, 360 Degree View, Cold Storage Occupancy Sensor (Leviton® OSFHU-C4W) .....	120.42	20.36
26 09 23 00-0737 EA 120-347 Volt, Dual Detection Occupancy Wall Sensor Switch (Lithonia WSX-PDT) .....	219.08	9.04
<b>26 09 23 00-0738 Wireless Enabled Communication Devices For Streetlights</b> <small>(26 09 23)</small>		
Note: Includes testing of new devices and certification.		
<b>26 09 23 00-0739 Wireless Enabled Communication Nodes For Streetlights (Roam®)</b> <small>(26 09 23 00-0738)</small>		
26 09 23 00-0740 EA 120/244/277 Voltage, Wireless Enabled Communication Node For Streetlights (Roam® REN127 NM1) .....	336.00	
26 09 23 00-0741 EA 480 Voltage, Wireless Enabled Communication Node For Streetlights (Roam® REN480 NM1) .....	473.57	
<b>26 09 23 00-0742 Wireless Enabled Communication Devices For Streetlights (Roam®)</b> <small>(26 09 23 00-0738)</small>		

**26 Electrical****26 09 Instrumentation and Control for Electrical Systems****26 09 23 Lighting Control Devices**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0743 EA Retrofit Receptacle Kit (Roam® DUR103).....	50.56	
Note: For adapting light fixtures for use with a NEMA locking type photocontrol.		
26 09 23 00-0744 EA Wireless Enabled Backbone And Data Backhaul Device, Gateway (Roam® REG127).....	13,862.80	52.92
<b>26 09 23 00-0745 Counter Mounted Consolets</b> (26 09 23)		
26 09 23 00-0746 EA 20" x 24" Type 12, Oil Tight Consolets, Counter Mounted (Schaefer's SPCL-20C24).....	593.37	112.90
<b>26 09 23 00-0747 Lighting Console And Stations</b> (26 09 23)		
26 09 23 00-0748 EA 80 Channel, 40 Faders, Lighting Console (ETC ColorSource CS 40) .....	4,820.04	112.90
For Lighting Console Dust Cover (ETC ColorSource CS40DC), Add	106.24	
For Lighting Console Case (ETC ColorSourcePart 11866), Add	1,132.76	
26 09 23 00-0749 EA 10 Preset, Lighting Control Station (Doug Fleenor PRE10-A2) .....	3,336.95	67.74
<b>26 09 23 00-0750 Emergency Lighting Controls</b> (26 09 23)		
<b>26 09 23 00-0751 Emergency Lighting Control Units (Watt Stopper ELCU)</b> (26 09 23 00-0750)		
Note: The ELCU monitors a single circuit and can be wired either as a control device, so that emergency lighting follows the control of normal lighting, or as a bypass device to shunt emergency power around a control device when normal power fails. Includes integral push-to-test button and LED indicator for emergency and normal power.		
26 09 23 00-0752 EA DIN Rail Mount, Emergency Lighting Control/Bypass Shunt Unit (Watt Stopper ELCU-100).....	215.88	22.63
26 09 23 00-0753 EA 1/2" Knockout Mount, Emergency Lighting Control/Bypass Shunt Unit (Watt Stopper ELCU-200) .....	215.88	22.63
<b>26 09 23 00-0754 Emergency Shunt Relays (Lighting Control &amp; Design GR 2001™)</b> (26 09 23 00-0750)		
Note: Normally-closed, electrically-held relay to be wired in parallel with a wall switch. Manually controlled emergency lighting will be automatically shunted on during a power outage. Includes two-gang NEMA 1 junction box, voltage-separating barrier and plaster ring separating normal and emergency power. Excludes wall plate and switch.		
26 09 23 00-0755 EA 1 Emergency Shunt Relay And NEMA 1 Enclosure (Lighting Control & Design GR 2001™).....	374.07	31.68
26 09 23 00-0756 EA 2 Emergency Shunt Relays And NEMA 1 Enclosure (Lighting Control & Design GR 2001™) .....	516.12	36.21
26 09 23 00-0757 EA 2 Emergency Shunt Relays And NEMA 1 Enclosure (Lighting Control & Design GR 2001™ Dual).....	702.85	40.74
Note: Controls normal and emergency lighting from single-pole wall switch.		
<b>26 09 23 00-0758 Photocells</b> (26 09 23)		
26 09 23 00-0759 EA Plug-In Photocell For Lighting Fixtures (Intermac® LC2000).....	80.03	
26 09 23 00-0760 EA Wired Photocell For Lighting Fixtures (Intermac® K4021C).....	166.58	
<b>26 09 23 00-0761 Outdoor Lighting Motion Sensors</b> (26 09 23)		
26 09 23 00-0762 EA 70' Range, 180 Degree Detection Zone, 8 Amperes, Switching Capacity, Polycarbonate Housing, Outdoor Motion Sensor (Lithonia OMS 1000) .....	112.01	22.63
26 09 23 00-0763 EA 70' Range, 200 Degree Detection Zone, 10 Amperes, Switching Capacity, Cast Aluminum Housing, Outdoor Motion Sensor (Lithonia OMS 2000).....	124.11	22.63
26 09 23 00-0764 EA 30' Range, 360 Degree Detection Zone, Line Voltage, Plastic Housing, IP66 Rated, Outdoor Motion Sensor With Photocell (SensorSwitch SBOR) .....	573.42	22.63
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.58	
<b>26 09 23 00-0765 Street Light Controls</b> (26 09 23)		
<b>26 09 23 00-0766 Photo Controls</b> (26 09 23 00-0765)		
26 09 23 00-0767 EA Photo Control, 120 Volt As Manufactured By Cooper Lighting #RA1014 .....	77.83	
26 09 23 00-0768 EA Photo Control, Multi-Tap As Manufactured By Cooper Lighting #RA1016.....	90.17	
<b>26 09 23 00-0769 Connector Node</b> (26 09 23 00-0765)		
26 09 23 00-0770 EA Outdoor Lighting Connector Node (Philips City Touch LLC7260).....	522.87	3.11

**26 10 Medium-Voltage Electrical Distribution** (26)**26 11 Substations** (26 10)**26 11 13 Primary Unit Substations** (26 11)**26 11 13 00-0001 "Switchyard" Substation Primary Incoming Section** (26 11 13)**26 11 13 00-0002 Outdoor Oil Circuit Breakers "Switchyard"** (26 11 13 00-0001)

Note: Type SP 14.4 thru 69 KV 1200 amp. Frame mounted. Standard equipment

26 11 13 00-0003 EA 14.4 KV, 500 MVA, Outdoor Oil Circuit Breaker Type SP, 1,200 Amperes, "Switchyard" Substation.....	58,828.15	1,600.08
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	976.52	
26 11 13 00-0004 EA 23.0 KV, 750 MVA, Outdoor Oil Circuit Breaker Type SP, 1,200 Amperes, "Switchyard" Substation.....	72,145.87	2,023.64
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,220.66	
26 11 13 00-0005 EA 34.5 KV, 1,500 MVA, Outdoor Oil Circuit Breaker Type SP, 1,200 Amperes, "Switchyard" Substation.....	81,871.15	2,023.64
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,220.66	
26 11 13 00-0006 EA 46 KV, 2,500 MVA, Outdoor Oil Circuit Breaker Type SP, 1,200 Amperes, "Switchyard" Substation.....	94,230.18	2,023.64
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,302.03	



<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Medium-Voltage Electrical Distribution</b>	<b>26 10</b>	
<b>Substations</b>	<b>26 11</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 13 00-0007 EA 69 KV, 3,500 MVA, Outdoor Oil Circuit Breaker Type SP, 1,200 Amperes, "Switchyard" Substation <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	106,883.24 1,502.35	2,494.26
<b>26 11 13 00-0008 Accessories For Outdoor Oil Circuit Breakers</b> <small>(26 11 13 00-0001)</small>		
26 11 13 00-0009 EA Reclosure Relay, Adjustable, 3 Shot, #179 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,542.42 97.70	165.01
26 11 13 00-0010 EA Overcurrent Relay, 1 Phase, #51/51N <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	455.88 65.16	119.63
26 11 13 00-0011 EA Directional Overcurrent Relay, Three-Phase, Device No. 67 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	698.85 81.20	119.63
26 11 13 00-0012 EA Voltage Relay, Under Or Over- Voltage, Device No. 27 Or 59, Three-Phase <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	551.81 65.16	119.63
26 11 13 00-0013 EA Differential Relay Package, Complete, Device No. 87 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,063.97 244.11	404.27
<b>26 11 13 00-0014 "Switchyard", Substation Transformer Section</b> <small>(26 11 13)</small>		
Note: Standard NEMA design two winding three phase, 60 Hz. oil filled load tap changer 10% Range		
<b>26 11 13 00-0015 14.4 KV Nominal Primary</b> <small>(26 11 13 00-0014)</small>		
26 11 13 00-0016 EA 1,000 KVA, 14.4 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled <i>For 50 Hz Operation, Add</i> <i>For Forced Air Cooling, Add</i> <i>For External Control Panel, Add</i> <i>For Internally Mounted Current Transformers And Linear Couplers, Add</i> <i>For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add</i>	33,526.26 3,632.54 3,632.54 908.14 302.71 1,513.56 3,783.90 4,540.68	1,600.08
26 11 13 00-0017 EA 2,000 KVA, 14.4 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled <i>For 50 Hz Operation, Add</i> <i>For Forced Air Cooling, Add</i> <i>For External Control Panel, Add</i> <i>For Internally Mounted Current Transformers And Linear Couplers, Add</i> <i>For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add</i>	38,243.73 4,100.99 4,100.99 1,025.25 341.75 1,708.74 4,271.86 5,126.23	2,004.81
26 11 13 00-0018 EA 5,000 KVA, 14.4 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled <i>For 50 Hz Operation, Add</i> <i>For Forced Air Cooling, Add</i> <i>For External Control Panel, Add</i> <i>For Internally Mounted Current Transformers And Linear Couplers, Add</i> <i>For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add</i>	58,964.59 6,381.33 6,381.33 1,595.33 531.78 2,658.89 6,647.22 7,976.67	2,823.69
26 11 13 00-0019 EA 7,500 KVA, 14.4 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled <i>For 50 Hz Operation, Add</i> <i>For Forced Air Cooling, Add</i> <i>For External Control Panel, Add</i> <i>For Internally Mounted Current Transformers And Linear Couplers, Add</i> <i>For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add</i>	86,016.51 9,409.80 9,409.80 2,352.45 784.15 3,920.75 9,801.87 11,762.24	3,524.36
26 11 13 00-0020 EA 10,000 KVA, 14.4 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled <i>For 50 Hz Operation, Add</i> <i>For Forced Air Cooling, Add</i> <i>For External Control Panel, Add</i> <i>For Internally Mounted Current Transformers And Linear Couplers, Add</i> <i>For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add</i>	105,943.40 11,572.98 11,572.98 2,893.24 964.41 4,822.07 12,055.18 14,466.22	4,560.94
<b>26 11 13 00-0021 23 KV Nominal Primary</b> <small>(26 11 13 00-0014)</small>		
26 11 13 00-0022 EA 1,000 KVA, 23 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled <i>For 50 Hz Operation, Add</i> <i>For External Control Panel, Add</i> <i>For Internally Mounted Current Transformers And Linear Couplers, Add</i> <i>For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add</i> <i>For Forced Air Cooling, Add</i>	37,367.90 3,995.89 998.97 332.99 1,664.95 4,162.38 4,994.86 2,663.92	2,164.83
26 11 13 00-0023 EA 2,000 KVA, 23 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled <i>For 50 Hz Operation, Add</i> <i>For External Control Panel, Add</i> <i>For Internally Mounted Current Transformers And Linear Couplers, Add</i> <i>For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add</i> <i>For Forced Air Cooling, Add</i>	42,593.82 4,521.66 1,130.41 376.80 1,884.02 4,710.06 5,652.07 3,014.44	2,164.83

<b>26</b>	<b>Electrical</b>
<b>26 10</b>	<b>Medium-Voltage Electrical Distribution</b>
<b>26 11</b>	<b>Substations</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 13 00-0024 EA 5,000 KVA, 23 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled .....	68,701.18	3,200.18
For 50 Hz Operation, Add	7,462.92	
For External Control Panel, Add	1,865.73	
For Internally Mounted Current Transformers And Linear Couplers, Add	621.91	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	3,109.55	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	7,773.88	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	9,328.65	
For Forced Air Cooling, Add	4,975.28	
26 11 13 00-0025 EA 7,500 KVA, 23 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled .....	92,423.56	4,560.94
For 50 Hz Operation, Add	9,950.59	
For External Control Panel, Add	2,487.65	
For Internally Mounted Current Transformers And Linear Couplers, Add	829.22	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	4,146.08	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	10,365.20	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	12,438.24	
For Forced Air Cooling, Add	6,633.73	
26 11 13 00-0026 EA 10,000 KVA, 23 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled .....	114,956.65	4,560.94
For 50 Hz Operation, Add	12,654.57	
For External Control Panel, Add	3,163.64	
For Internally Mounted Current Transformers And Linear Couplers, Add	1,054.55	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	5,272.74	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	13,181.84	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	15,818.21	
For Forced Air Cooling, Add	8,436.38	
<b>26 11 13 00-0027 34.5 KV Nominal Primary (26 11 13 00-0014)</b>		
26 11 13 00-0028 EA 1,000 KVA, 34.5 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled .....	46,975.25	2,588.37
For 50 Hz Operation, Add	5,047.43	
For External Control Panel, Add	1,261.86	
For Internally Mounted Current Transformers And Linear Couplers, Add	420.62	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	2,103.10	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	5,257.74	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	6,309.29	
For Forced Air Cooling, Add	3,364.95	
26 11 13 00-0029 EA 2,000 KVA, 34.5 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled .....	56,743.12	4,047.28
For 50 Hz Operation, Add	6,098.97	
For External Control Panel, Add	1,524.74	
For Internally Mounted Current Transformers And Linear Couplers, Add	508.25	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	2,541.24	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	6,353.10	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	7,623.72	
For Forced Air Cooling, Add	4,065.98	
26 11 13 00-0030 EA 5,000 KVA, 34.5 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled .....	78,441.10	4,047.28
For 50 Hz Operation, Add	8,436.41	
For External Control Panel, Add	2,109.10	
For Internally Mounted Current Transformers And Linear Couplers, Add	703.03	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	3,515.17	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	8,787.93	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	10,545.51	
For Forced Air Cooling, Add	5,624.27	
26 11 13 00-0031 EA 7,500 KVA, 34.5 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled .....	101,436.74	4,457.28
For 50 Hz Operation, Add	11,032.18	
For External Control Panel, Add	2,758.04	
For Internally Mounted Current Transformers And Linear Couplers, Add	919.35	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	4,596.74	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	11,491.85	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	13,790.22	
For Forced Air Cooling, Add	7,354.78	
26 11 13 00-0032 EA 10,000 KVA, 34.5 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled .....	176,203.22	5,701.17
For 50 Hz Operation, Add	19,684.89	
For External Control Panel, Add	4,921.22	
For Internally Mounted Current Transformers And Linear Couplers, Add	1,640.41	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	8,202.04	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	20,505.09	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	24,606.11	
For Forced Air Cooling, Add	13,123.26	
<b>26 11 13 00-0033 46 KV Nominal Primary (26 11 13 00-0014)</b>		
26 11 13 00-0034 EA 1,000 KVA, 46 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled .....	72,457.72	3,011.93
For 50 Hz Operation, Add	7,984.73	
For External Control Panel, Add	1,996.18	
For Internally Mounted Current Transformers And Linear Couplers, Add	665.39	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	3,326.97	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	8,317.42	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	9,980.91	
For Forced Air Cooling, Add	5,323.15	
26 11 13 00-0035 EA 2,000 KVA, 46 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled .....	81,946.89	3,011.93
For 50 Hz Operation, Add	9,052.41	
For External Control Panel, Add	2,263.10	
For Internally Mounted Current Transformers And Linear Couplers, Add	754.37	
For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	3,771.84	
For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	9,429.59	
For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	11,315.51	
For Forced Air Cooling, Add	6,034.94	





<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Medium-Voltage Electrical Distribution</b>	<b>26 10</b>	
<b>Substations</b>	<b>26 11</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 13 00-0036 EA 5,000 KVA, 46 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled ..... <i>For 50 Hz Operation, Add</i> <i>For External Control Panel, Add</i> <i>For Internally Mounted Current Transformers And Linear Couplers, Add</i> <i>For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add</i> <i>For Forced Air Cooling, Add</i>	113,745.95 12,672.99 3,168.25 1,056.08 5,280.41 13,201.03 15,841.24 8,448.66	4,047.28
26 11 13 00-0037 EA 7,500 KVA, 46 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled ..... <i>For 50 Hz Operation, Add</i> <i>For External Control Panel, Add</i> <i>For Internally Mounted Current Transformers And Linear Couplers, Add</i> <i>For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add</i> <i>For Forced Air Cooling, Add</i>	139,063.18 15,228.08 3,807.02 1,269.01 6,345.03 15,862.59 19,035.10 10,152.06	5,701.17
26 11 13 00-0038 EA 10,000 KVA, 46 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled ..... <i>For 50 Hz Operation, Add</i> <i>For External Control Panel, Add</i> <i>For Internally Mounted Current Transformers And Linear Couplers, Add</i> <i>For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add</i> <i>For Forced Air Cooling, Add</i>	198,792.14 22,395.56 5,598.89 1,866.30 9,331.48 23,328.71 27,994.45 14,930.37	5,701.17
<b>26 11 13 00-0039 69 KV Nominal Primary</b> <small>(26 11 13 00-0014)</small>		
26 11 13 00-0040 EA 1,000 KVA, 69 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled ..... <i>For 50 Hz Operation, Add</i> <i>For External Control Panel, Add</i> <i>For Internally Mounted Current Transformers And Linear Couplers, Add</i> <i>For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add</i> <i>For Forced Air Cooling, Add</i>	104,825.76 11,797.87 2,949.47 983.16 4,915.78 12,289.45 14,747.34 7,865.25	3,200.18
26 11 13 00-0041 EA 2,000 KVA, 69 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled ..... <i>For 50 Hz Operation, Add</i> <i>For External Control Panel, Add</i> <i>For Internally Mounted Current Transformers And Linear Couplers, Add</i> <i>For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add</i> <i>For Forced Air Cooling, Add</i>	120,223.96 13,450.35 3,362.59 1,120.86 5,604.31 14,010.78 16,812.94 8,966.90	4,047.28
26 11 13 00-0042 EA 5,000 KVA, 69 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled ..... <i>For 50 Hz Operation, Add</i> <i>For External Control Panel, Add</i> <i>For Internally Mounted Current Transformers And Linear Couplers, Add</i> <i>For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add</i> <i>For Forced Air Cooling, Add</i>	166,016.95 18,945.51 4,736.38 1,578.79 7,893.96 19,734.91 23,681.89 12,630.34	4,047.28
26 11 13 00-0043 EA 7,500 KVA, 69 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled ..... <i>For 50 Hz Operation, Add</i> <i>For External Control Panel, Add</i> <i>For Internally Mounted Current Transformers And Linear Couplers, Add</i> <i>For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add</i> <i>For Forced Air Cooling, Add</i>	175,547.84 19,606.24 4,901.56 1,633.85 8,169.27 20,423.17 24,507.80 13,070.83	5,701.17
26 11 13 00-0044 EA 10,000 KVA, 69 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled ..... <i>For 50 Hz Operation, Add</i> <i>For External Control Panel, Add</i> <i>For Internally Mounted Current Transformers And Linear Couplers, Add</i> <i>For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add</i> <i>For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add</i> <i>For Forced Air Cooling, Add</i>	230,703.40 26,224.91 6,556.23 2,185.41 10,927.05 27,317.61 32,781.14 17,483.27	5,701.17
<b>26 11 13 00-0045 Circuit Breakers Fluarc SF6 13.8 KV</b> <small>(26 11 13)</small>		
26 11 13 00-0046 EA 1,200 Amperes, 500 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section .....	63,465.49	818.96
26 11 13 00-0047 EA 1,200 Amperes, 750 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section .....	69,719.23	818.96
26 11 13 00-0048 EA 1,200 Amperes, 1,000 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section .....	79,337.26	1,017.29
26 11 13 00-0049 EA 2,000 Amperes, 500 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section .....	74,059.75	1,223.24
26 11 13 00-0050 EA 2,000 Amperes, 750 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section .....	83,507.36	1,223.24
26 11 13 00-0051 EA 2,000 Amperes, 1,000 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section .....	95,257.42	1,421.14
26 11 13 00-0052 EA 3,000 Amperes, 500 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section .....	98,125.84	1,623.65
26 11 13 00-0053 EA 3,000 Amperes, 750 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section .....	109,888.65	1,623.65
26 11 13 00-0054 EA 3,000 Amperes, 1,000 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section .....	115,121.11	1,823.38
<b>26 11 16 Secondary Unit Substations</b> <small>(26 11)</small>		
<b>26 11 16 11 Secondary Unit Substations with Switchgear Secondary</b> <small>(26 11 16)</small>		
26 11 16 11-0001 Substation Primary Incoming Section <small>(26 11 16 11)</small>		

**26 Electrical**  
**26 10 Medium-Voltage Electrical Distribution**  
**26 11 Substations**



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>26 11 16 11-0002 Manual Transferring Fused Load Break Switches</b> <small>(26 11 16 11-0001)</small> Note: 15 KV 600 Amp 3 pole 2 position floor mounted. Type, metal compartment includes weatherproofing, fuses, transformer throat, pothead terminations thru 500 MCM, with surge protection. Manual transferring of one line to an alternate incoming line.		
26 11 16 11-0003 EA 112.5 Thru 1,500 KVA Transformers Load Switch, 600 Amperes, 3 Pole, 2 Position.....	37,876.59	1,202.62
26 11 16 11-0004 EA 2,000 And 2,500 KVA Transformers Load Switch, 600 Amperes, 3 Pole, 2 Position.....	43,809.20	1,202.62
<b>26 11 16 11-0005 Automatic Transferring Fused Load Break Switches</b> <small>(26 11 16 11-0001)</small> Note: Items are equipped with 3 pole - 2 position selector switch for automatic transferring one line to an alternate incoming line.		
26 11 16 11-0006 EA 112.5 Thru 1,500 KVA Transformers Load Switch, 600 Amperes, 3 Pole, 2 Position Selector Switch.....	53,680.08	1,202.62
26 11 16 11-0007 EA 2,000 And 2,500 KVA Transformers Load Switch, 600 Amperes, 3 Pole, 2 Position Selector Switch.....	57,541.06	1,202.62
<b>26 11 16 11-0008 Accessories For Substation Fused Load Break Switches</b> <small>(26 11 16 11-0001)</small>		
26 11 16 11-0009 EA Primary Lightning Arrestors Accessories, Secondary Distribution Section .....	20,509.58	
26 11 16 11-0010 EA Key Interlock Accessories, Secondary Distribution Section.....	1,996.34	
<b>26 11 16 11-0011 Oil Filled Substation Transformers</b> <small>(26 11 16 11)</small> Note: 112-1/2 KVA thru 2500 KVA standard NEMA design 3 phase cover mounted manual tap changer, liquid level gauge with alarm contacts, thermometer with alarm contacts, pressure vacuum gauge, automatic control for auxiliary cooling equipment. Weatherproof.		
<b>26 11 16 11-0012 Substation, Primary 13.8 KV Secondary 480Y/277 Or 480 Volt, 60 HZ</b> <small>(26 11 16 11-0011)</small>		
26 11 16 11-0013 EA 75 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	35,320.88	705.92
<i>For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add</i>	2,373.63	
<i>For Control Power Transformer On Fans And Auxiliary, Add</i>	1,017.27	
<i>For Internal Mounted Current Transformer And Linear Coupler, Add</i>	339.09	
26 11 16 11-0014 EA 112.5 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	52,341.86	847.11
<i>For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add</i>	3,545.34	
<i>For Control Power Transformer On Fans And Auxiliary, Add</i>	1,519.43	
<i>For Internal Mounted Current Transformer And Linear Coupler, Add</i>	506.48	
26 11 16 11-0015 EA 150 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	59,285.63	941.23
<i>For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add</i>	4,018.22	
<i>For Control Power Transformer On Fans And Auxiliary, Add</i>	1,722.10	
<i>For Internal Mounted Current Transformer And Linear Coupler, Add</i>	574.03	
26 11 16 11-0016 EA 225 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	69,996.28	1,176.54
<i>For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add</i>	4,735.02	
<i>For Control Power Transformer On Fans And Auxiliary, Add</i>	2,029.30	
<i>For Internal Mounted Current Transformer And Linear Coupler, Add</i>	676.43	
26 11 16 11-0017 EA 300 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	77,674.41	1,458.91
<i>For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add</i>	5,232.96	
<i>For Control Power Transformer On Fans And Auxiliary, Add</i>	2,242.70	
<i>For Internal Mounted Current Transformer And Linear Coupler, Add</i>	747.57	
26 11 16 11-0018 EA 500 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	82,491.42	1,788.34
<i>For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add</i>	5,524.03	
<i>For Control Power Transformer On Fans And Auxiliary, Add</i>	2,367.44	
<i>For Internal Mounted Current Transformer And Linear Coupler, Add</i>	789.15	
26 11 16 11-0019 EA 750 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	96,370.63	941.23
<i>For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add</i>	6,442.87	
<i>For Control Power Transformer On Fans And Auxiliary, Add</i>	2,761.23	
<i>For Internal Mounted Current Transformer And Linear Coupler, Add</i>	920.41	
26 11 16 11-0020 EA 1,000 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	102,567.17	2,353.07
<i>For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add</i>	6,850.27	
<i>For Control Power Transformer On Fans And Auxiliary, Add</i>	2,935.83	
<i>For Internal Mounted Current Transformer And Linear Coupler, Add</i>	978.61	
26 11 16 11-0021 EA 1,500 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	114,715.57	2,588.37
<i>For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add</i>	7,667.72	
<i>For Control Power Transformer On Fans And Auxiliary, Add</i>	3,286.16	
<i>For Internal Mounted Current Transformer And Linear Coupler, Add</i>	1,095.39	
26 11 16 11-0022 EA 2,000 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	132,979.04	2,870.75
<i>For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add</i>	8,906.63	
<i>For Control Power Transformer On Fans And Auxiliary, Add</i>	3,817.13	
<i>For Internal Mounted Current Transformer And Linear Coupler, Add</i>	1,272.38	
26 11 16 11-0023 EA 2,500 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	146,078.58	3,129.59
<i>For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add</i>	9,787.36	
<i>For Control Power Transformer On Fans And Auxiliary, Add</i>	4,194.58	
<i>For Internal Mounted Current Transformer And Linear Coupler, Add</i>	1,398.19	
<b>26 11 16 11-0024 Substation, Primary 13.8 KV Secondary 208Y/120 Volt, 60 HZ</b> <small>(26 11 16 11-0011)</small>		
26 11 16 11-0025 EA 75 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	33,629.21	705.92
<i>For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add</i>	2,255.22	
<i>For Control Power Transformer On Fans And Auxiliary, Add</i>	966.52	
<i>For Internal Mounted Current Transformer And Linear Coupler, Add</i>	322.17	
26 11 16 11-0026 EA 112.5 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	51,510.95	705.92
<i>For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add</i>	3,506.94	
<i>For Control Power Transformer On Fans And Auxiliary, Add</i>	1,502.97	
<i>For Internal Mounted Current Transformer And Linear Coupler, Add</i>	500.99	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 16 11-0027 EA 150 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	59,248.20	941.23
For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	4,015.60	
For Control Power Transformer On Fans And Auxiliary, Add	1,720.97	
For Internal Mounted Current Transformer And Linear Coupler, Add	573.66	
26 11 16 11-0028 EA 225 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	70,060.69	1,176.54
For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	4,739.53	
For Control Power Transformer On Fans And Auxiliary, Add	2,031.23	
For Internal Mounted Current Transformer And Linear Coupler, Add	677.08	
26 11 16 11-0029 EA 300 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	84,247.87	1,458.91
For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	5,693.10	
For Control Power Transformer On Fans And Auxiliary, Add	2,439.90	
For Internal Mounted Current Transformer And Linear Coupler, Add	813.30	
26 11 16 11-0030 EA 500 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	90,676.56	1,788.34
For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	6,096.99	
For Control Power Transformer On Fans And Auxiliary, Add	2,613.00	
For Internal Mounted Current Transformer And Linear Coupler, Add	871.00	
26 11 16 11-0031 EA 750 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	100,150.21	2,164.83
For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	6,707.44	
For Control Power Transformer On Fans And Auxiliary, Add	2,874.62	
For Internal Mounted Current Transformer And Linear Coupler, Add	958.21	
26 11 16 11-0032 EA 1,000 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	109,077.85	2,353.07
For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	7,306.02	
For Control Power Transformer On Fans And Auxiliary, Add	3,131.15	
For Internal Mounted Current Transformer And Linear Coupler, Add	1,043.72	
26 11 16 11-0033 EA 1,500 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	123,134.87	2,588.37
For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	8,257.07	
For Control Power Transformer On Fans And Auxiliary, Add	3,538.74	
For Internal Mounted Current Transformer And Linear Coupler, Add	1,179.58	
<b>26 11 16 11-0034 Accessories For Oil Filled Substation Transformers (26 11 16 11-0011)</b>		
26 11 16 11-0035 EA Sudden Pressure Relay.....	10,277.70	
26 11 16 11-0036 EA Throats Or Flanges (HV Or LV).....	20,404.72	
26 11 16 11-0037 EA Lightning Arrestors (3 - 1 Pole).....	13,435.72	
26 11 16 11-0038 EA Single Feeder Switch With Fuses 3 Pole, 2 Position, Open-Close Close) Fuse Type - CLE (80E To 125 X).....	74,561.52	
26 11 16 11-0039 EA Oil Fuse Cutout, 15 KV, 200 Amperes, Free Standing Air Filled Terminal Compartment, 15 KV - 200 Amp Cutout .....	69,759.72	
<b>26 11 16 11-0040 Reinforced Concrete Curb With 6" Slab (26 11 16 11-0011)</b>		
Note: For transformer liquid containment area.		
26 11 16 11-0041 EA 112.5 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area .....	7,773.56	1,265.03
26 11 16 11-0042 EA 150 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area .....	7,773.56	1,265.03
26 11 16 11-0043 EA 225 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area .....	7,773.56	1,265.03
26 11 16 11-0044 EA 300 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area .....	7,773.56	1,265.03
26 11 16 11-0045 EA 500 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area .....	7,773.56	1,265.03
26 11 16 11-0046 EA 750 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area .....	7,773.56	1,265.03
26 11 16 11-0047 EA 1,000 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area .....	7,773.56	1,265.03
26 11 16 11-0048 EA 1,500 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area .....	9,540.12	1,458.60
<b>26 11 16 11-0049 Dry Type Substation Transformer (26 11 16 11)</b>		
Note: Standard NEMA design 3 phase - 150 C rise - 60 Hz self-cooled, ventilated.		
<b>26 11 16 11-0050 Primary 4.16 Or 4.8 KV Secondary 208 Y/120 Or 240 Volt (26 11 16 11-0049)</b>		
Note: Primary 4.160 or 4.8 KV (delta or wye).		
26 11 16 11-0051 EA 112.5 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer .....	62,714.54	752.98
For Gas Filled Transformers, Add	36,725.14	
For Single Phase Transformers, Deduct	-1,530.21	
For Dry Type Unit, Add	13,616.48	
26 11 16 11-0052 EA 150 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer .....	62,808.65	800.05
For Gas Filled Transformers, Add	36,725.14	
For Single Phase Transformers, Deduct	-1,530.21	
For Dry Type Unit, Add	13,625.89	
26 11 16 11-0053 EA 225 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer .....	63,888.30	941.23
For Gas Filled Transformers, Add	37,203.51	
For Single Phase Transformers, Deduct	-1,550.15	
For Dry Type Unit, Add	13,829.53	
26 11 16 11-0054 EA 300 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer .....	70,523.85	1,035.35
For Gas Filled Transformers, Add	41,071.89	
For Single Phase Transformers, Deduct	-1,711.33	
For Dry Type Unit, Add	15,266.76	
26 11 16 11-0055 EA 500 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer .....	78,107.26	1,223.59
For Gas Filled Transformers, Add	45,396.04	
For Single Phase Transformers, Deduct	-1,891.50	
For Dry Type Unit, Add	16,889.93	
26 11 16 11-0056 EA 750 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer .....	90,505.75	1,411.84
For Gas Filled Transformers, Add	52,609.24	
For Single Phase Transformers, Deduct	-2,192.05	
For Dry Type Unit, Add	19,572.42	
26 11 16 11-0057 EA 1,000 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer .....	104,956.98	1,694.21
For Gas Filled Transformers, Add	60,941.14	
For Single Phase Transformers, Deduct	-2,539.21	
For Dry Type Unit, Add	22,683.93	

**26 Electrical**  
**26 10 Medium-Voltage Electrical Distribution**  
**26 11 Substations**



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 16 11-0058	EA	1,500 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer ..... <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	124,330.10 72,339.11 -3,014.13 26,900.83	1,882.45
26 11 16 11-0059	EA	2,000 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer ..... <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	162,153.76 94,920.37 -3,955.02 35,199.45	1,976.58
<b>26 11 16 11-0060</b>		<b>Primary 4.16 Or 4.8 KV Secondary 480 Y/277 Or 480 Volt</b> <small>(26 11 16 11-0049)</small> Note: Primary 4.16 or 4.8 KV (delta or wye).		
26 11 16 11-0061	EA	112.5 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer ..... <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	60,542.42 35,421.87 -1,475.91 13,138.62	752.98
26 11 16 11-0062	EA	150 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer ..... <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	62,808.65 36,725.14 -1,530.21 13,625.89	800.05
26 11 16 11-0063	EA	225 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer ..... <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	63,888.30 37,203.51 -1,550.15 13,829.53	941.23
26 11 16 11-0064	EA	300 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer ..... <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	70,523.85 41,071.89 -1,711.33 15,266.76	1,035.35
26 11 16 11-0065	EA	500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer ..... <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	78,107.26 45,396.04 -1,891.50 16,889.93	1,223.59
26 11 16 11-0066	EA	750 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer ..... <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	90,505.75 52,609.24 -2,192.05 19,572.42	1,411.84
26 11 16 11-0067	EA	1,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer ..... <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	104,956.98 60,941.14 -2,539.21 22,683.93	1,694.21
26 11 16 11-0068	EA	1,500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer ..... <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	124,330.10 72,339.11 -3,014.13 26,900.83	1,882.45
26 11 16 11-0069	EA	2,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer ..... <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	162,153.76 94,920.37 -3,955.02 35,199.45	1,976.58
26 11 16 11-0070	EA	2,500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer ..... <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	178,199.74 104,435.00 -4,351.46 38,706.97	2,070.70
26 11 16 11-0071	EA	3,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer ..... <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	199,211.46 116,929.09 -4,872.05 43,306.96	2,164.83
26 11 16 11-0072	EA	3,750 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer ..... <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	230,135.83 135,370.76 -5,640.45 50,087.73	2,258.94
<b>26 11 16 11-0073</b>		<b>Primary 13.8 KV (Delta Or Wye) Secondary 208 Y/120 Or 240 Volt</b> <small>(26 11 16 11-0049)</small>		
26 11 16 11-0074	EA	112.5 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer ..... <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	67,397.69 39,422.09 -1,642.59 14,624.19	847.11
26 11 16 11-0075	EA	150 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer ..... <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	69,651.38 40,717.82 -1,696.58 15,108.70	894.16
26 11 16 11-0076	EA	225 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer ..... <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	74,359.59 43,373.33 -1,807.22 16,110.63	1,035.35
26 11 16 11-0077	EA	300 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer ..... <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	78,440.07 45,708.68 -1,904.53 16,985.74	1,129.48
26 11 16 11-0078	EA	500 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer ..... <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	89,388.39 52,051.77 -2,168.82 19,349.19	1,317.72



<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Medium-Voltage Electrical Distribution</b>	<b>26 10</b>	
<b>Substations</b>	<b>26 11</b>	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 16 11-0079	EA		750 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer ..... <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	98,974.41 57,577.49 -2,399.06 21,412.94	1,505.97
26 11 16 11-0080	EA		1,000 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer ..... <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	115,516.15 67,163.69 -2,798.49 24,984.35	1,788.34
26 11 16 11-0081	EA		1,500 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer ..... <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	140,344.68 81,834.92 -3,409.79 30,401.45	1,976.58
26 11 16 11-0082	EA		2,000 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer ..... <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	170,239.49 99,658.85 -4,152.45 36,955.72	2,070.70
<b>26 11 16 11-0083</b>			<b>Primary 13.8 KV (Delta Or Wye) Secondary 480 Y/277 Or 480 Volt</b> <small>(26 11 16 11-0049)</small>		
26 11 16 11-0084	EA		112.5 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer ..... <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	67,397.69 39,422.09 -1,642.59 14,624.19	847.11
26 11 16 11-0085	EA		150 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer ..... <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	69,651.38 40,717.82 -1,696.58 15,108.70	894.16
26 11 16 11-0086	EA		225 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer ..... <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	74,359.59 43,373.33 -1,807.22 16,110.63	1,035.35
26 11 16 11-0087	EA		300 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer ..... <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	78,440.07 45,708.68 -1,904.53 16,985.74	1,129.48
26 11 16 11-0088	EA		500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer ..... <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	89,388.39 52,051.77 -2,168.82 19,349.19	1,317.72
26 11 16 11-0089	EA		750 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer ..... <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	86,418.81 50,044.13 -2,085.17 18,650.71	1,505.97
26 11 16 11-0090	EA		1,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer ..... <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	89,722.06 51,687.24 -2,153.64 19,309.65	1,788.34
26 11 16 11-0091	EA		1,500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer ..... <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	110,792.04 64,103.33 -2,670.97 23,899.87	1,976.58
26 11 16 11-0092	EA		2,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer ..... <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	131,935.36 76,676.38 -3,194.85 28,528.81	2,070.70
26 11 16 11-0093	EA		2,500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer ..... <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	147,789.05 86,075.64 -3,586.49 31,994.03	2,164.83
26 11 16 11-0094	EA		3,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer ..... <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	174,076.68 101,735.27 -4,238.97 37,754.72	2,258.94
26 11 16 11-0095	EA		3,750 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer ..... <i>For Gas Filled Transformers, Add</i> <i>For Single Phase Transformers, Deduct</i> <i>For Dry Type Unit, Add</i>	214,314.98 125,765.30 -5,240.22 46,584.56	2,353.07

**26 12 Medium-Voltage Transformers** (26 10)

**26 12 13 Liquid-Filled, Medium-Voltage Transformers** (26 12)

**26 12 13 00-0001 Removal And Relocation Of Transformers** (26 12 13)

26 12 13 00-0002	EA	Removal And Relocation Of Up To 37.5 KVA Oil Filled Transformer ..... 1,012.99
26 12 13 00-0003	EA	Removal And Relocation Of >37.5 To 100 KVA Oil Filled Transformers ..... 1,864.19

**26 12 13 00-0004 Single Phase Oil Filled Distribution Transformers** (26 12 13)

Note: Self-protected type, CSP, external secondary breaker handle, external tap changer.

**26 12 13 00-0005 Primary 4.16/4.8 KV Ground Y Secondary 120/240 Volt, 4-2.5 Percent Taps FCBN, Class A, 95 KV BIL. Rated To 5 KVA** (26 12 13 00-0004)

26 12 13 00-0006	EA	10 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase ..... 7,223.25	399.23
26 12 13 00-0007	EA	15 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase ..... 8,628.44	499.03

**26 Electrical**  
**26 10 Medium-Voltage Electrical Distribution**  
**26 12 Medium-Voltage Transformers**



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 12 13 00-0008 EA 25 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase .....	9,994.70	598.83
26 12 13 00-0009 EA 37.5 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase .....	12,988.07	748.55
26 12 13 00-0010 EA 50 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase .....	15,397.67	898.25
26 12 13 00-0011 EA 75 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase .....	21,757.42	1,047.96
26 12 13 00-0012 EA 100 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase .....	25,758.11	1,247.57
<b>26 12 13 00-0013 Primary 4.16/4.8 KV Ground Y Secondary 120/240 Volt, 2-2.5 Percent Taps FCAN And FCBN. Rated To 5 KVA</b> <small>(26 12 13 00-0004)</small>		
26 12 13 00-0014 EA 10 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase .....	7,223.25	399.23
26 12 13 00-0015 EA 15 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase .....	8,804.86	499.03
26 12 13 00-0016 EA 25 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase .....	9,994.70	598.83
26 12 13 00-0017 EA 37.5 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase .....	12,988.07	748.55
26 12 13 00-0018 EA 50 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase .....	15,397.67	898.25
26 12 13 00-0019 EA 75 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase .....	19,943.98	1,047.96
26 12 13 00-0020 EA 100 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase .....	24,837.23	1,247.57
<b>26 12 13 00-0021 Primary 13.8/14.4 KV Ground Y Secondary 120/240V 2-2.5 Percent Taps FCBN And FCAN</b> <small>(26 12 13 00-0004)</small>		
26 12 13 00-0022 EA 10 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase .....	7,017.42	399.23
26 12 13 00-0023 EA 15 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase .....	8,069.76	499.03
26 12 13 00-0024 EA 25 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase .....	9,442.17	598.83
26 12 13 00-0025 EA 37.5 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase .....	12,860.56	748.55
26 12 13 00-0026 EA 50 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase .....	14,859.31	898.25
26 12 13 00-0027 EA 75 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase .....	20,284.00	1,047.96
26 12 13 00-0028 EA 100 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase .....	24,922.23	1,247.57
<b>26 12 13 00-0029 Primary 13.8/14.4 KV Ground Y Secondary 240/480 Volt, 2-2.5 Percent Taps FCBN And FCAN</b> <small>(26 12 13 00-0004)</small>		
26 12 13 00-0030 EA 10 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase .....	7,973.05	399.23
26 12 13 00-0031 EA 15 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase .....	9,054.80	499.03
26 12 13 00-0032 EA 25 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase .....	12,022.79	598.83
26 12 13 00-0033 EA 37.5 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase .....	15,157.83	748.55
26 12 13 00-0034 EA 50 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase .....	17,434.57	898.25
26 12 13 00-0035 EA 75 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase .....	24,092.64	1,047.96
26 12 13 00-0036 EA 100 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase .....	31,070.64	1,247.57
<b>26 12 13 00-0037 Transformer Platforms</b> <small>(26 12 13 00-0004)</small>		
26 12 13 00-0038 EA Transformer Platforms, 75 - 167 KVA .....	4,969.79	674.19
<b>26 12 13 00-0039 Primary 24.9 KV, Ground Y Secondary 240/480 Volt, 2-2.5 Percent Tops FCBN Auto FCAN</b> <small>(26 12 13 00-0004)</small>		
26 12 13 00-0040 EA 10 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase .....	8,844.49	399.23
26 12 13 00-0041 EA 15 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase .....	9,846.04	499.03
26 12 13 00-0042 EA 25 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase .....	12,023.75	598.83
26 12 13 00-0043 EA 37.5 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase .....	15,156.66	748.55
26 12 13 00-0044 EA 50 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase .....	17,533.97	948.16
26 12 13 00-0045 EA 75 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase .....	24,095.57	1,047.96
26 12 13 00-0046 EA 100 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase .....	31,070.64	1,247.57
26 12 13 00-0047 EA 167 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase .....	41,659.76	1,596.89
26 12 13 00-0048 EA 250 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase .....	53,182.74	2,145.82
26 12 13 00-0049 EA 333 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase .....	62,328.39	2,495.15
26 12 13 00-0050 EA 500 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase .....	79,835.48	2,694.75
<b>26 12 13 00-0051 Primary 4.8 KV Ground Y Secondary 120/240V 4-2.5 Percent Taps FCBN, Class A, 95 KV BIL</b> <small>(26 12 13 00-0004)</small>		
26 12 13 00-0052 EA 10 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase .....	7,223.25	488.85
26 12 13 00-0053 EA 15 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase .....	8,628.44	611.01
26 12 13 00-0054 EA 25 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase .....	9,994.29	732.48
26 12 13 00-0055 EA 37.5 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase .....	12,989.04	917.91
26 12 13 00-0056 EA 50 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase .....	15,396.75	1,099.56
26 12 13 00-0057 EA 75 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase .....	21,756.16	1,280.61
26 12 13 00-0058 EA 100 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase .....	25,758.11	1,527.63
<b>26 12 13 00-0059 Primary 4.8 KV Ground Y Secondary 120/240V 2-2.5 Percent Taps FCAN And FCBN</b> <small>(26 12 13 00-0004)</small>		
26 12 13 00-0060 EA 10 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase .....	7,223.25	488.85
26 12 13 00-0061 EA 15 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase .....	8,804.86	611.01
26 12 13 00-0062 EA 25 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase .....	9,994.29	732.48
26 12 13 00-0063 EA 37.5 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase .....	12,989.04	917.91
26 12 13 00-0064 EA 50 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase .....	15,396.75	1,099.56
26 12 13 00-0065 EA 75 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase .....	19,942.72	1,280.61



<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Medium-Voltage Electrical Distribution</b>	<b>26 10</b>	
<b>Medium-Voltage Transformers</b>	<b>26 12</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 12 13 00-0066 EA 100 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	24,837.23	1,527.63
<b>26 12 13 00-0067 Primary 7.2 To 14.4 KV Ground Y</b> <small>(26 12 13 00-0004)</small>		
<b>26 12 13 00-0068 Primary 7.2 To 14.4 KV Ground Y Secondary 120 / 240 V 2-2.5 Percent Taps FCBN And FCAN</b> <small>(26 12 13 00-0067)</small>		
26 12 13 00-0069 EA 10 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	5,676.86	399.23
26 12 13 00-0070 EA 15 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	6,731.87	499.03
26 12 13 00-0071 EA 25 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	7,745.41	598.83
26 12 13 00-0072 EA 37.5 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	10,186.82	748.55
26 12 13 00-0073 EA 50 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	12,822.55	898.25
26 12 13 00-0074 EA 75 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	20,803.47	1,047.96
26 12 13 00-0075 EA 100 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase.....	23,879.99	1,247.57
<b>26 12 13 00-0076 Primary 7.2 To 14.4 KV Ground Y Secondary 240 / 480 V 2-2.5 Pct Taps FCBN And FCAN</b> <small>(26 12 13 00-0067)</small>		
26 12 13 00-0077 EA 10 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	5,209.06	399.23
26 12 13 00-0078 EA 15 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	6,143.79	499.03
26 12 13 00-0079 EA 25 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	7,478.10	598.83
26 12 13 00-0080 EA 37.5 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	9,652.20	748.55
26 12 13 00-0081 EA 50 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	12,087.44	898.25
26 12 13 00-0082 EA 75 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	18,130.36	1,047.96
26 12 13 00-0083 EA 100 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase.....	21,206.89	1,247.57
<b>26 12 13 00-0084 3 Phase Oil Filled Distribution Transformers</b> <small>(26 12 13)</small>		
<b>26 12 13 00-0085 Primary 4.16/4.8 KV Ground Y Secondary 120/240 Volt</b> <small>(26 12 13 00-0084)</small>		
Note: 4-2.5 Percent taps FCBN, Class A, 95 KV BIL.		
26 12 13 00-0086 EA 112.5 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 3 Phase.....	26,348.55	1,397.28
26 12 13 00-0087 EA 150 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 3 Phase.....	33,302.62	1,497.09
26 12 13 00-0088 EA 225 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 3 Phase.....	44,319.34	1,896.31
26 12 13 00-0089 EA 300 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 3 Phase.....	57,960.35	2,395.34
26 12 13 00-0090 EA 500 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 3 Phase.....	86,442.96	2,694.75
26 12 13 00-0091 EA 750 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 3 Phase.....	132,576.39	3,593.00
<b>26 12 16 Dry-Type, Medium-Voltage Transformers</b> <small>(26 12)</small>		
<b>26 12 16 00-0001 Removal and Relocation of Transformers</b> <small>(26 12 16)</small>		
26 12 16 00-0002 EA Removal And Relocation Of Up To 37.5 KVA "Dry Type" Transformer .....	390.61	
26 12 16 00-0003 EA Removal And Relocation Of >37.5 To 112.5 KVA "Dry Type" Transformer.....	1,736.04	
<b>26 12 19 Pad-Mounted, Liquid-Filled, Medium-Voltage Transformers</b> <small>(26 12)</small>		
<b>26 12 19 00-0001 Single Phase Pad Mounted Distribution Transformers</b> <small>(26 12 19)</small>		
Note: Designed for residential and multi-family buildings. UL listed.		
<b>26 12 19 00-0002 Mini Pak - Single Phase KVA 25 Thru 167 - 95 KV BIL.- Oil Filled</b> <small>(26 12 19 00-0001)</small>		
Note: Self actuating pressure relief device, taps, 4-1/2 % below or 2-1/2 % above and below. Designed for loop feed grounded wye distribution system.		
<b>26 12 19 00-0003 Primary, 4.16/4.8 KV Ground Y Or Delta</b> <small>(26 12 19 00-0002)</small>		
Note: 2.4 To 24.94 KV ground Y / 14.4 KV secondary - 240/120 Volt, 480/240 Volt, 277 V. Rated to 5 KVA.		
26 12 19 00-0004 EA 25 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt.....	17,580.53	470.62
26 12 19 00-0005 EA 37.5 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt.....	19,029.48	564.73
26 12 19 00-0006 EA 50 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt.....	22,711.11	658.86
26 12 19 00-0007 EA 75 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt.....	28,305.15	705.92
26 12 19 00-0008 EA 100 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt.....	32,224.69	752.98
26 12 19 00-0009 EA 167 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt.....	42,164.97	988.29
<b>26 12 19 00-0010 Factory Modifications Material Cost Only</b> <small>(26 12 19 00-0002)</small>		
26 12 19 00-0011 EA Loadbreaker Current Limiting Fuse Factory Modifications.....	3,984.20	
26 12 19 00-0012 EA Loadbreaker Oil Switch, 2 Position Factory Modifications .....	4,186.29	
26 12 19 00-0013 EA Loadbreaker Inserts, Factory Modifications.....	4,604.92	
<b>26 12 19 00-0014 Distribution - Single Phase Multiple Building Transformer</b> <small>(26 12 19 00-0001)</small>		
Note: KVA 25 to 250, KVA BIL-95, 125, 150 standard features. Oil filled, self-actuating pressure relief device, lighting arrester mounted. Pad HV/LV barrier, etc. with taps 4-1/2 % below or 2-1/2 % above and below.		

**26 Electrical**  
**26 10 Medium-Voltage Electrical Distribution**  
**26 12 Medium-Voltage Transformers**



MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
26 12 19 00-0015		<b>Primary, 4.16/4.8 KVA Ground Y Or Delta</b> <small>(26 12 19 00-0014)</small> Note: 2.4 To 34.5 KV ground Y / 19.9 KV secondary - 240/120 V, 120/240 V, 240/480 V, 480/240 V, 277V. Rated to 5 KVA.			
26 12 19 00-0016	EA	25 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt .....	22,425.10		470.62
26 12 19 00-0017	EA	37.5 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt .....	25,126.84		470.62
26 12 19 00-0018	EA	50 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt .....	26,891.89		644.74
26 12 19 00-0019	EA	75 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt .....	33,804.79		644.74
26 12 19 00-0020	EA	100 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt .....	37,988.07		847.11
26 12 19 00-0021	EA	167 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt .....	45,500.58		847.11
26 12 19 00-0022	EA	250 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt .....	74,186.78		1,176.54
26 12 19 00-0023		<b>Factory Modifications Material Cost Only</b> <small>(26 12 19 00-0014)</small>			
26 12 19 00-0024	EA	Loadbreaker Current Limiting Fuse Factory Modifications .....	5,312.26		
26 12 19 00-0025	EA	Lightning Arrestors, Factory Modifications .....	1,345.98		
26 12 19 00-0026	EA	Loadbreaker Oil Switch, 2 Position Factory Modifications .....	4,186.29		
26 12 19 00-0027	EA	Loop Feed Air Switch, Factory Modifications .....	6,813.55		
26 12 19 00-0028	EA	Loadbreaker Inserts (Two), Factory Modifications .....	1,818.87		
26 12 19 00-0029	EA	Bay-O-Net Fuse 25 Thru 167 KVA Factory Modifications .....	1,573.47		
26 12 19 00-0030		<b>Primary, 12.47 KV Ground Y Or Delta</b> <small>(26 12 19 00-0014)</small> Note: 7.2 To 34.5 KV ground Y / 19.9 KV secondary - 240/120 V, 120/240 V, 240/480 V, 480/240 V, 277V. Rated to 5 KVA.			
26 12 19 00-0031	EA	25 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt .....	24,382.98		470.62
26 12 19 00-0032	EA	37.5 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt .....	25,788.89		470.62
26 12 19 00-0033	EA	50 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt .....	26,635.79		644.74
26 12 19 00-0034	EA	75 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt .....	32,256.14		644.74
26 12 19 00-0035	EA	100 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt .....	41,223.41		847.11
26 12 19 00-0036	EA	167 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt .....	51,226.65		847.20
26 12 19 00-0037	EA	250 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt .....	65,069.21		1,176.54
26 12 19 00-0038		<b>Oil Filled Distribution Transformer Single Phase Cluster Mounted</b> <small>(26 12 19 00-0001)</small> Note: Conventional type.			
26 12 19 00-0039		<b>13.8/14.4 KV Ground Y Or Delta Primary 120/240V</b> <small>(26 12 19 00-0038)</small> Note: 2.5 Taps FCBN and FCAN.			
26 12 19 00-0040	EA	10 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase .....	16,186.84		343.61
26 12 19 00-0041	EA	37.5 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase .....	19,937.15		483.20
26 12 19 00-0042	EA	50 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase .....	30,655.69		773.12
26 12 19 00-0043	EA	100 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase .....	55,628.38		773.12
26 12 19 00-0044	EA	167 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase .....	76,870.60		1,267.05
26 12 19 00-0045	EA	250 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase .....	103,853.15		1,267.05
26 12 19 00-0046		<b>Oil Filled Distribution Transformer Single Phase</b> <small>(26 12 19 00-0001)</small>			
26 12 19 00-0047		<b>7.2 KV Primary, 120/240 Volt Secondary</b> <small>(26 12 19 00-0046)</small>			
26 12 19 00-0048	EA	10 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase .....	15,665.56		365.08
26 12 19 00-0049	EA	15 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase .....	17,084.43		365.08
26 12 19 00-0050	EA	25 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase .....	20,205.25		515.41
26 12 19 00-0051	EA	37.5 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase .....	25,907.17		515.41
26 12 19 00-0052	EA	50 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase .....	29,818.08		697.95
26 12 19 00-0053	EA	100 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase .....	54,297.08		1,073.77
26 12 19 00-0054	EA	167 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase .....	75,828.04		1,073.77
26 12 19 00-0055	EA	250 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase .....	102,243.85		1,342.21
26 12 19 00-0056		<b>7.2 KV Primary, 240/480 Volt Secondary</b> <small>(26 12 19 00-0046)</small>			
26 12 19 00-0057	EA	10 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase .....	15,665.56		365.08
26 12 19 00-0058	EA	15 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase .....	17,084.96		365.08
26 12 19 00-0059	EA	25 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase .....	20,205.25		515.41
26 12 19 00-0060	EA	37.5 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase .....	25,907.17		515.41
26 12 19 00-0061	EA	50 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase .....	29,818.08		697.95
26 12 19 00-0062	EA	75 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase .....	46,525.99		944.92
26 12 19 00-0063	EA	100 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase .....	54,297.08		944.92
26 12 19 00-0064	EA	167 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase .....	75,828.04		1,191.88





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 12 19 00-0065 EA 250 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	102,243.85	1,342.21
<b>26 12 19 00-0066 2.4 KV Primary, 277 Volt Secondary</b> <small>(26 12 19 00-0046)</small>		
26 12 19 00-0067 EA 10 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	17,301.39	365.08
26 12 19 00-0068 EA 15 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	18,867.16	365.08
26 12 19 00-0069 EA 25 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	22,318.87	515.41
26 12 19 00-0070 EA 37.5 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	28,607.25	515.41
26 12 19 00-0071 EA 50 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	32,922.62	697.95
26 12 19 00-0072 EA 75 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	51,256.52	944.92
26 12 19 00-0073 EA 100 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	60,013.68	944.92
26 12 19 00-0074 EA 167 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	83,851.77	1,191.88
26 12 19 00-0075 EA 250 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	113,120.97	1,342.21
<b>26 12 19 00-0076 2.4 KV Primary, 120/240 Volt Secondary</b> <small>(26 12 19 00-0046)</small>		
26 12 19 00-0077 EA 10 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	15,665.56	365.08
26 12 19 00-0078 EA 15 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	17,084.43	365.08
26 12 19 00-0079 EA 25 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	20,205.25	701.28
26 12 19 00-0080 EA 37.5 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	25,907.17	944.92
26 12 19 00-0081 EA 50 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	29,818.08	697.95
26 12 19 00-0082 EA 75 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	46,377.09	944.92
26 12 19 00-0083 EA 100 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	54,286.39	944.92
<b>26 12 19 00-0084 2.4 KV Primary, 240/480 Volt Secondary</b> <small>(26 12 19 00-0046)</small>		
26 12 19 00-0085 EA 10 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	15,665.56	365.08
26 12 19 00-0086 EA 15 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	17,084.43	365.08
26 12 19 00-0087 EA 25 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	20,205.25	515.41
26 12 19 00-0088 EA 37.5 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	25,907.17	515.41
26 12 19 00-0089 EA 50 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	29,818.08	697.95
26 12 19 00-0090 EA 75 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	46,377.09	944.92
26 12 19 00-0091 EA 100 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	54,286.39	944.92
<b>26 12 19 00-0092 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary</b> <small>(26 12 19 00-0046)</small>		
26 12 19 00-0093 EA 10 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	13,123.13	375.82
26 12 19 00-0094 EA 15 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	14,213.04	418.78
26 12 19 00-0095 EA 25 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	17,433.10	461.72
26 12 19 00-0096 EA 37 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	21,990.87	644.27
26 12 19 00-0097 EA 50 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	24,401.74	751.64
26 12 19 00-0098 EA 75 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	34,272.12	880.49
26 12 19 00-0099 EA 100 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	41,428.12	1,009.35
26 12 19 00-0100 EA 167 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	65,875.56	1,288.53
26 12 19 00-0101 EA 250 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	92,195.14	1,449.59
<b>26 13 Medium-Voltage Switchgear</b> <small>(26 10)</small>		
<b>26 13 16 Medium-Voltage Fusible Interrupter Switchgear</b> <small>(26 13)</small>		
26 13 16 00-0001 "Switchyard", Substation Secondary Distribution Section <small>(26 13 16)</small> Note: Medium voltage, metal clad switchgear, 3 phase, 3 wire with ground. Includes breaker element, housing, control switch two lamps - 3 cable terminals.		
26 13 16 00-0002 4.16 Or 4.8 KV Switchgear Sections, With Air Circuit Breaker, Secondary Distribution Section <small>(26 13 16 00-0001)</small>		
26 13 16 00-0003 EA 1,200 Amperes, 75 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section.....	13,454.43	1,116.72
For Weatherproofing, Add	2,803.38	
26 13 16 00-0004 EA 1,200 Amperes, 250 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section.....	14,140.01	1,116.72
For Weatherproofing, Add	2,954.21	
26 13 16 00-0005 EA 1,200 Amperes, 350 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section.....	19,321.50	1,422.75
For Weatherproofing, Add	4,062.35	
26 13 16 00-0006 EA 2,000 Amperes, 250 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section.....	26,433.66	1,422.75
For Weatherproofing, Add	5,603.08	
26 13 16 00-0007 EA 2,000 Amperes, 350 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section.....	38,037.56	1,718.04
For Weatherproofing, Add	8,127.35	
26 13 16 00-0008 EA 3,000 Amperes, 350 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section.....	34,634.75	1,718.04
For Weatherproofing, Add	7,366.57	
26 13 16 00-0009 7.2 KV Switchgear Sections, With Air Circuit Breaker, Secondary Distribution Section <small>(26 13 16 00-0001)</small>		
26 13 16 00-0010 EA 1,200 Amperes, 500 MVA, 7.2 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section.....	20,220.38	1,288.53
For Weatherproofing, Add	4,275.69	
26 13 16 00-0011 EA 2,000 Amperes, 500 MVA, 7.2 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section.....	24,798.28	1,610.66
For Weatherproofing, Add	5,229.90	
26 13 16 00-0012 EA 3,000 Amperes, 500 MVA, 7.2 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section.....	34,994.17	1,932.79
For Weatherproofing, Add	7,434.98	

**26 Electrical**  
**26 10 Medium-Voltage Electrical Distribution**  
**26 13 Medium-Voltage Switchgear**



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>26 13 16 00-0013 13.8 KV Switchgear Sections, With Air Circuit Breaker, Secondary Distribution Section</b> <small>(26 13 16 00-0001)</small>		
26 13 16 00-0014 EA 1,200 Amperes, 500 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section .....	19,452.72	1,288.53
<i>For Weatherproofing, Add</i>	4,092.62	
26 13 16 00-0015 EA 1,200 Amperes, 750 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section .....	26,873.92	1,288.53
<i>For Weatherproofing, Add</i>	5,694.40	
26 13 16 00-0016 EA 1,200 Amperes, 1,000 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section.....	39,410.95	1,718.04
<i>For Weatherproofing, Add</i>	8,417.33	
26 13 16 00-0017 EA 2,000 Amperes, 500 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section .....	24,463.86	1,718.04
<i>For Weatherproofing, Add</i>	5,143.43	
26 13 16 00-0018 EA 2,000 Amperes, 750 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section .....	35,706.18	2,147.55
<i>For Weatherproofing, Add</i>	7,585.95	
26 13 16 00-0019 EA 2,000 Amperes, 1,000 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section.....	50,143.66	2,147.55
<i>For Weatherproofing, Add</i>	10,729.74	
26 13 16 00-0020 EA 3,000 Amperes, 500 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section .....	34,333.05	2,147.55
<i>For Weatherproofing, Add</i>	7,274.89	
26 13 16 00-0021 EA 3,000 Amperes, 750 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section .....	47,787.81	2,147.55
<i>For Weatherproofing, Add</i>	10,204.00	
26 13 16 00-0022 EA 3,000 Amperes, 1,000 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section.....	62,089.11	2,147.55
<i>For Weatherproofing, Add</i>	13,321.03	
<b>26 13 16 00-0023 4.16 Or 4.8 KV Switchgear Section, Without Air Circuit Breaker, Secondary Distribution Section</b> <small>(26 13 16 00-0001)</small>		
26 13 16 00-0024 EA 1,200 Amperes, 250 MVA, 4.16 Or 4.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	5,973.49	703.32
<i>For Weatherproofing, Add</i>	1,215.53	
26 13 16 00-0025 EA 1,200 Amperes, 350 MVA, 4.16 Or 4.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	7,832.13	703.32
<i>For Weatherproofing, Add</i>	1,624.43	
26 13 16 00-0026 EA 2,000 Amperes, 250 MVA, 4.16 Or 4.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	8,440.83	934.18
<i>For Weatherproofing, Add</i>	1,726.49	
26 13 16 00-0027 EA 2,000 Amperes, 350 MVA, 4.16 Or 4.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	10,459.79	1,154.30
<i>For Weatherproofing, Add</i>	2,139.51	
26 13 16 00-0028 EA 3,000 Amperes, 350 MVA, 4.16 Or 4.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	14,221.54	1,154.30
<i>For Weatherproofing, Add</i>	2,967.10	
<b>26 13 16 00-0029 7.2 KV Switchgear Section, Without Air Circuit Breaker, Secondary Distribution Section</b> <small>(26 13 16 00-0001)</small>		
26 13 16 00-0030 EA 1,200 Amperes, 500 MVA, 7.2 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	7,585.79	1,073.77
<i>For Weatherproofing, Add</i>	1,556.52	
26 13 16 00-0031 EA 2,000 Amperes, 500 MVA, 7.2 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	9,932.31	1,073.77
<i>For Weatherproofing, Add</i>	2,041.12	
26 13 16 00-0032 EA 3,000 Amperes, 500 MVA, 7.2 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	15,253.00	1,073.77
<i>For Weatherproofing, Add</i>	3,180.45	
<b>26 13 16 00-0033 13.8 KV Switchgear Section, Without Air Circuit Breaker, Secondary Distribution Section</b> <small>(26 13 16 00-0001)</small>		
26 13 16 00-0034 EA 1,200 Amperes, 500 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	7,797.62	912.71
<i>For Weatherproofing, Add</i>	1,588.30	
26 13 16 00-0035 EA 1,200 Amperes, 750 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	8,335.53	912.71
<i>For Weatherproofing, Add</i>	1,706.64	
26 13 16 00-0036 EA 1,200 Amperes, 1,000 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	11,996.92	1,127.46
<i>For Weatherproofing, Add</i>	2,480.75	
26 13 16 00-0037 EA 2,000 Amperes, 500 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	10,586.82	1,352.95
<i>For Weatherproofing, Add</i>	2,139.29	
26 13 16 00-0038 EA 2,000 Amperes, 750 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	13,121.70	1,352.95
<i>For Weatherproofing, Add</i>	2,696.97	
26 13 16 00-0039 EA 2,000 Amperes, 1,000 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	15,079.82	1,578.44
<i>For Weatherproofing, Add</i>	3,095.84	
26 13 16 00-0040 EA 3,000 Amperes, 500 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	14,025.54	1,803.93
<i>For Weatherproofing, Add</i>	2,832.54	
26 13 16 00-0041 EA 3,000 Amperes, 750 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	15,762.51	1,803.93
<i>For Weatherproofing, Add</i>	3,214.67	
26 13 16 00-0042 EA 3,000 Amperes, 1,000 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	19,480.14	2,018.70
<i>For Weatherproofing, Add</i>	4,000.92	
<b>26 13 16 00-0043 Accessories For Substation Secondary Distribution Sections</b> <small>(26 13 16 00-0001)</small>		
26 13 16 00-0044 EA 1,200 Amperes, Transformer Throat Connection Accessories, Secondary Distribution Section.....	3,721.09	680.45
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	408.28	
26 13 16 00-0045 EA 2,000 Amperes, Transformer Throat Connection Accessories, Secondary Distribution Section.....	4,680.77	755.08
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	453.07	
26 13 16 00-0046 EA 3,000 Amperes, Transformer Throat Connection Accessories, Secondary Distribution Section.....	6,133.18	908.41
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	545.06	
26 13 16 00-0047 EA 3-Phase Pothead Termination Accessories, Secondary Distribution Section .....	3,638.56	1,366.16



<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Medium-Voltage Electrical Distribution</b>	<b>26 10</b>	
<b>Medium-Voltage Switchgear</b>	<b>26 13</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 13 16 00-0048 EA 5 KV, 15 KVA, Control Power Transformer Accessories, Secondary Distribution Section.....	4,851.80	82.50
26 13 16 00-0049 EA 5 KV, 30 KVA, Control Power Transformer Accessories, Secondary Distribution Section.....	6,493.62	82.50
26 13 16 00-0050 EA 5 KV, 75 KVA, Control Power Transformer Accessories, Secondary Distribution Section.....	11,923.71	82.50
26 13 16 00-0051 EA 15 KV, 15 KVA, Control Power Transformer Accessories, Secondary Distribution Section.....	9,362.32	82.50
26 13 16 00-0052 EA 15 KV, 30 KVA, Control Power Transformer Accessories, Secondary Distribution Section.....	10,224.17	82.50
26 13 16 00-0053 EA 15 KV, 75 KVA, Control Power Transformer Accessories, Secondary Distribution Section.....	13,931.33	82.50
26 13 16 00-0054 EA 6 KV, 3-Phase Lightning Arrester Accessories, Secondary Distribution Section.....	2,176.53	82.50
26 13 16 00-0055 EA 9 KV, 3-Phase Lightning Arrester Accessories, Secondary Distribution Section.....	2,465.12	82.50
26 13 16 00-0056 EA 15 KV, 3-Phase Lightning Arrester Accessories, Secondary Distribution Section.....	3,764.53	82.50
26 13 16 00-0057 EA Overcurrent Phase Protection, Time And Instantaneous Device 67.....	2,395.70	82.50
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	49.50	
EA AC Ammeter With Switch.....	913.77	82.50
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	49.50	
26 13 16 00-0059 EA AC Voltmeter With Switch And Potential Transformer.....	913.77	82.50
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	49.50	
26 13 16 00-0060 EA Indicating Wattmeter.....	1,369.27	82.50
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	49.50	
26 13 16 00-0061 EA Indicating Varmeter.....	1,621.98	82.50
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	49.50	
26 13 16 00-0062 EA Indicating Watt-hour Meter, 2 Element.....	1,004.25	82.50
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	49.50	
26 13 16 00-0063 EA Ground Protection, Time Or Instantaneous Device 67N.....	2,661.19	82.50
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	49.50	
26 13 16 00-0064 EA Differential Generator Protection Single Phase NEMA Device 87.....	4,585.05	82.50
26 13 16 00-0065 EA Current Transformers 5 And 15 KV Single Secondary.....	607.25	82.50
26 13 16 00-0066 EA Potential Transformers 5 KV And 15 KV With Primary Fuses.....	3,046.97	82.50
<b>26 13 19 Medium-Voltage Vacuum Interrupter Switchgear (26 13)</b>		
<b>26 13 19 00-0001 Vacuum Circuit Breakers 13.8 KV (26 13 19)</b>		
26 13 19 00-0002 EA 1,200 Amperes, 500 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section.....	49,461.38	1,342.21
26 13 19 00-0003 EA 1,200 Amperes, 750 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section.....	54,596.98	1,696.56
26 13 19 00-0004 EA 1,200 Amperes, 1,000 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section.....	61,975.76	1,696.56
26 13 19 00-0005 EA 2,000 Amperes, 500 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section.....	56,735.13	1,342.21
26 13 19 00-0006 EA 2,000 Amperes, 750 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section.....	63,871.90	1,342.21
26 13 19 00-0007 EA 2,000 Amperes, 1,000 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section.....	72,792.74	1,578.44
26 13 19 00-0008 EA 3,000 Amperes, 500 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section.....	75,058.18	1,803.93
26 13 19 00-0009 EA 3,000 Amperes, 750 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section.....	82,231.20	1,803.93
26 13 19 00-0010 EA 3,000 Amperes, 1,000 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section.....	89,835.67	2,029.43
<b>26 13 29 Medium-Voltage Compartmentalized Switchgear (26 13)</b>		
<b>26 13 29 00-0001 Substation Secondary Distribution Section (26 13 29)</b>		
Note: Low voltage drawout switchgear 277/480 volt, 3 phase 4 wire.		
<b>26 13 29 00-0002 Switchgear Compartment Complete With Air Circuit Breaker (26 13 29 00-0001)</b>		
Note: With solid state long - time and instantaneous trips.		
26 13 29 00-0003 EA 800 Amperes, 277/480 Volt Switchgear, With Air Circuit Breaker, Manual DS-206.....	15,703.20	841.87
26 13 29 00-0004 EA 1,600 Amperes, 277/480 Volt Switchgear, With Air Circuit Breaker, Manual DS-416.....	24,695.19	1,272.83
26 13 29 00-0005 EA 2,000 Amperes, 277/480 Volt Switchgear, With Air Circuit Breaker, Manual DS-420.....	33,426.88	1,563.47
26 13 29 00-0006 EA 3,200 Amperes, 277/480 Volt Switchgear, With Air Circuit Breaker, Manual DS-632.....	55,809.38	1,814.03
26 13 29 00-0007 EA 4,000 Amperes, 277/480 Volt Switchgear, With Air Circuit Breaker, Manual DS-840.....	71,813.53	2,064.58
<b>26 13 29 00-0008 Switchgear Compartment Without Circuit Breaker (26 13 29 00-0001)</b>		
26 13 29 00-0009 EA 800 Amperes, 277/480 Volt Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	6,946.32	255.57
26 13 29 00-0010 EA 1,600 Amperes, 277/480 Volt Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	8,026.72	255.57
26 13 29 00-0011 EA 2,000 Amperes, 277/480 Volt Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	10,502.33	375.83
26 13 29 00-0012 EA 3,200 Amperes, 277/480 Volt Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	15,059.04	375.83
26 13 29 00-0013 EA 4,000 Amperes, 277/480 Volt Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	25,191.28	551.22
<b>26 13 29 00-0014 Switchgear Compartment, Blank, Use As Filler Or Metering (26 13 29 00-0001)</b>		
Note: No provisions for future breaker.		
26 13 29 00-0015 EA 600 To 2,000 Amperes, Blank Section Filler, Secondary Distribution Section.....	7,657.16	285.63
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	163.32	
26 13 29 00-0016 EA 3,000 Amperes, Blank Section Filler, Secondary Distribution Section.....	9,641.47	285.63
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	191.73	
26 13 29 00-0017 EA 4,000 Amperes, Blank Section Filler, Secondary Distribution Section.....	12,463.58	440.98
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	275.61	
<b>26 13 29 00-0018 Accessories For Substation Secondary Distribution (26 13 29 00-0001)</b>		
26 13 29 00-0019 EA Short Time Delay Accessories, Secondary Distribution Section.....	4,320.99	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	49.50	
26 13 29 00-0020 EA Key Interlock Accessories, Secondary Distribution Section.....	3,322.80	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	49.50	
26 13 29 00-0021 EA Ammeter And Switch Complete Accessories, Secondary Distribution Section.....	10,912.79	82.50
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	49.50	
26 13 29 00-0022 EA Voltmeter And Switch Complete Accessories, Secondary Distribution Section.....	10,912.79	82.50
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	49.50	

<b>26</b>	<b>Electrical</b>
<b>26 10</b>	<b>Medium-Voltage Electrical Distribution</b>
<b>26 13</b>	<b>Medium-Voltage Switchgear</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 13 29 00-0023 EA Wattmeter - Complete Accessories, Secondary Distribution Section.....	14,491.20	82.50
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	49.50	
26 13 29 00-0024 EA Watt-hour Meter - Complete Accessories, Secondary Distribution Section .....	18,822.96	82.50
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	49.50	
26 13 29 00-0025 EA Circuit Breaker Lifting Device Accessories, Secondary Distribution Section.....	8,029.29	94.12
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	56.45	
26 13 29 00-0026 EA Weatherproofing, Per Vertical Section Accessories, Secondary Distribution Section.....	22,086.07	1,393.87
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	836.33	
26 13 29 00-0027 EA Current Transformer, Single Section 5 To 800 Single Secondary 5 To 800 .....	4,848.33	82.50
26 13 29 00-0028 EA Potential Transformers Each With Fuses Accessories, Secondary Distribution Section.....	5,725.15	82.50
26 13 29 00-0029 EA Shunt Trip And Auxiliary Switch Accessories, Secondary Distribution Section.....	3,064.51	41.25
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	24.75	
26 13 29 00-0030 EA 3 Current Limiting Fuses 15 KV Accessories, Secondary Distribution Section .....	23,688.34	82.50
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	49.50	
26 13 29 00-0031 EA 3 Phase Surge Capacitors 15 KV Accessories, Secondary Distribution Section .....	2,913.84	41.25

## 26 18 Medium-Voltage Circuit Protection Devices <sup>(26 10)</sup>

### 26 18 36 Medium-Voltage Enclosed Fuses <sup>(26 18)</sup>

26 18 36 00-0001 Sectionalizing Switch <sup>(26 18 36)</sup>		
26 18 36 00-0002 Pad Mounted Metal Enclosed Oil Filled Switching Units <sup>(26 18 36 00-0001)</sup> Note: 15 KV - 25 KV.		
26 18 36 00-0003 Sectionalizing Tapping And Fusing Underground Feeders <sup>(26 18 36 00-0002)</sup> Note: 200 Amp replaceable bushing wells recessed locking assembly oil level and oil fill plugs.		
26 18 36 00-0004 EA 3 Phase, 1 Switch Up And 2 Switch Downstream Tapping And Fusing Underground.....	71,801.41	705.92
26 18 36 00-0005 EA 3 Phase, 2 Switch Up And 2 Switch Downstream Tapping And Fusing Underground.....	80,803.02	705.92

## 26 19 High-Voltage Circuit Protection <sup>(26 10)</sup>

### 26 19 18 Protection Devices <sup>(26 19)</sup>

26 19 18 00-0001 Primary Fuse Cutouts <sup>(26 19 18)</sup> Note: Interrupting rating RMS, amperes - 25,000 symmetric and 40,000 asymmetric.		
26 19 18 00-0002 Non-Loadbreak Current Limiting Primary Fuse Cutouts <sup>(26 19 18 00-0001)</sup> Note: Includes the fuse and cut-out switch.		
26 19 18 00-0003 8.3 KV-95 KV-BIL Non-Loadbreak Current Limiting <sup>(26 19 18 00-0002)</sup>		
26 19 18 00-0004 EA 15 A Primary Fuse Cutout 8.3 KV - 95 KV Non-Loadbreak Current Limiting .....	643.01	268.44
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	128.85	
26 19 18 00-0005 EA 25 A Primary Fuse Cutout 8.3 KV - 95 KV Non-Loadbreak Current Limiting .....	750.39	268.44
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	161.07	
26 19 18 00-0006 EA 40 A Primary Fuse Cutout 8.3 KV - 95 KV Non-Loadbreak Current Limiting .....	857.40	268.44
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	193.17	
26 19 18 00-0007 EA 100 A Primary Fuse Cutout 8.3 KV - 95 KV Non-Loadbreak Current Limiting .....	877.69	268.44
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	193.29	
26 19 18 00-0008 EA 200 A Primary Fuse Cutout 8.3 KV - 95 KV Non-Loadbreak Current Limiting .....	877.69	268.44
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	193.29	
26 19 18 00-0009 17.1 KV-95 KV-BIL Non-Loadbreak Current Limiting <sup>(26 19 18 00-0002)</sup>		
26 19 18 00-0010 EA 15 A Primary Fuse Cutout 17.1 KV - 95 KV Non-Loadbreak Current Limiting .....	643.01	214.75
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	128.85	
26 19 18 00-0011 17.1 KV-125 KV-BIL Non-Loadbreak Current Limiting <sup>(26 19 18 00-0002)</sup>		
26 19 18 00-0012 EA 15 A Primary Fuse Cutout 17.1 KV - 125 KV Non-Loadbreak Current Limiting .....	669.94	214.75
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	128.85	
26 19 18 00-0013 Fuseholders <sup>(26 19 18 00-0002)</sup> Note: Including current limiting fuse.		
26 19 18 00-0014 EA 15 A 8.3 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting.....	529.53	268.44
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	128.85	
26 19 18 00-0015 EA 25 A 8.3 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting.....	636.91	268.44
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	161.07	
26 19 18 00-0016 EA 40 A 8.3 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting.....	743.92	268.44
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	193.17	
26 19 18 00-0017 EA 100 A 8.3 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting.....	538.85	268.44
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	128.85	
26 19 18 00-0018 EA 200 A 8.3 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting.....	646.23	268.44
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	161.07	
26 19 18 00-0019 EA 15 A 17.1 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting.....	529.53	214.75
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	128.85	
26 19 18 00-0020 Accessories <sup>(26 19 18 00-0002)</sup>		
26 19 18 00-0021 EA Hot Line Clamp .....	81.47	24.16
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.11	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 19 18 00-0022 EA Stirrup.....	90.02	24.16
<b>26 19 18 00-0023 Loadbreak Current Limiting Primary Fuse Cutouts</b> (26 19 18 00-0001) Note: Includes fuse, cutout switch, crossarm mounting bracket and fuse holder.		
<b>26 19 18 00-0024 8.3 KV-95 KV BIL Loadbreak Current Limiting</b> (26 19 18 00-0023)		
26 19 18 00-0025 EA 15 A Primary Fuse Cutout 8.3 KV - 95 KV Loadbreak Current Limiting.....	852.67	268.44
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	128.85	
26 19 18 00-0026 EA 25 A Primary Fuse Cutout 8.3 KV - 95 KV Loadbreak Current Limiting.....	960.05	268.44
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	161.07	
26 19 18 00-0027 EA 40 A Primary Fuse Cutout 8.3 KV - 95 KV Loadbreak Current Limiting.....	1,067.06	268.44
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	193.17	
26 19 18 00-0028 EA 100 A Primary Fuse Cutout 8.3 KV - 95 KV Loadbreak Current Limiting.....	1,106.88	268.44
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	193.29	
26 19 18 00-0029 EA 200 A Primary Fuse Cutout 8.3 KV - 95 KV Loadbreak Current Limiting.....	1,106.88	268.44
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	193.29	
<b>26 19 18 00-0030 17.1 KV-95 KV BIL Loadbreak Current Limiting</b> (26 19 18 00-0023)		
26 19 18 00-0031 EA 15 A Primary Fuse Cutout 17.1 KV - 95 KV Loadbreak Current Limiting.....	852.67	214.75
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	128.85	
<b>26 19 18 00-0032 17.1 KV-125 KV BIL Loadbreak Current Limiting</b> (26 19 18 00-0023)		
26 19 18 00-0033 EA 15 A Primary Fuse Cutout 17.1 KV - 125 KV Loadbreak Current Limiting.....	852.67	214.75
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	128.85	
<b>26 19 18 00-0034 Fuseholders</b> (26 19 18 00-0023) Note: Includes current limiting fuses.		
26 19 18 00-0035 EA 15 Amperes, 8.3 KV Primary Fuseholder With Fuse Loadbreak Current Limiting.....	539.15	268.44
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	128.85	
26 19 18 00-0036 EA 25 Amperes, 8.3 KV Primary Fuseholder With Fuse Loadbreak Current Limiting.....	646.53	268.44
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	161.07	
26 19 18 00-0037 EA 40 Amperes, 8.3 KV Primary Fuseholder With Fuse Loadbreak Current Limiting.....	753.54	268.44
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	193.17	
26 19 18 00-0038 EA 15 Amperes, 17.1 KV Primary Fuseholder With Fuse Loadbreak Current Limiting.....	539.15	268.44
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	128.85	
<b>26 19 18 00-0039 Pole Mounted Capacitors</b> (26 19 18 00-0023)		
26 19 18 00-0040 EA Capacitors - Pole Mounted 6 KVAR.....	1,627.91	216.47
<b>26 19 80 Transmission and Distribution Accessories</b> (26 19)		
<b>26 19 80 60 Structure Assemblies</b> (26 19 80)		
<b>26 19 80 60-0001 Pole Structure Assemblies</b> (26 19 80 60)		
<b>26 19 80 60-0002 5 KV Pole Structure Assemblies</b> (26 19 80 60-0001) Note: Includes insulator with pin, bayonet, bolts, washers, and neutral wire brackets.		
26 19 80 60-0003 EA Type OH-1, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	447.51	204.01
26 19 80 60-0004 EA Type OH-2, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	746.73	343.61
26 19 80 60-0005 EA Type OH-3, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	912.71	268.44
26 19 80 60-0006 EA Type OH-4, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	531.24	139.59
26 19 80 60-0007 EA Type OH-5, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	664.31	193.27
26 19 80 60-0008 EA Type OH-6, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,136.28	386.56
26 19 80 60-0009 EA Type OH-7, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	899.36	289.92
26 19 80 60-0010 EA Type OH-8, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,613.51	579.83
26 19 80 60-0011 EA Type OH-9, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,838.53	655.00
26 19 80 60-0012 EA Type OH-10, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,020.07	322.13
26 19 80 60-0013 EA Type OH-11, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	831.36	343.61
26 19 80 60-0014 EA Type OH-12, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,533.76	697.95
26 19 80 60-0015 EA Type OH-13, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,226.21	418.78
26 19 80 60-0016 EA Type OH-14, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	746.57	300.66
26 19 80 60-0017 EA Type OH-15, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,375.80	612.05
26 19 80 60-0018 EA Type OH-16, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,137.69	311.39
<b>26 19 80 60-0019 15 KV Pole Structure Assemblies</b> (26 19 80 60-0001) Note: Includes insulator with pin, bayonet, bolts, washers, and neutral wire brackets.		
26 19 80 60-0020 EA Type OH-1, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	474.44	204.01
26 19 80 60-0021 EA Type OH-2, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	785.20	343.61
26 19 80 60-0022 EA Type OH-3, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,043.50	268.44
26 19 80 60-0023 EA Type OH-4, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	577.40	139.59
26 19 80 60-0024 EA Type OH-5, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	729.71	182.55
26 19 80 60-0025 EA Type OH-6, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,267.07	386.56
26 19 80 60-0026 EA Type OH-7, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	995.53	289.92
26 19 80 60-0027 EA Type OH-8, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,809.70	579.83
26 19 80 60-0028 EA Type OH-9, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	2,103.97	655.00
26 19 80 60-0029 EA Type OH-10, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,150.86	322.13



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 19 80 60-0030 EA Type OH-11, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	881.37	343.61
26 19 80 60-0031 EA Type OH-12, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,583.77	697.95
26 19 80 60-0032 EA Type OH-13, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,326.23	418.78
26 19 80 60-0033 EA Type OH-14, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	796.58	289.92
26 19 80 60-0034 EA Type OH-15, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,425.81	612.05
26 19 80 60-0035 EA Type OH-16, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,237.71	375.82
<b>26 19 80 60-0036 25 KV Pole Structure Assemblies</b> <small>(26 19 80 60-0001)</small>		
Note: Includes insulator with pin, bayonet, bolts, washers, and neutral wire brackets.		
26 19 80 60-0037 EA Type OH-3, Single Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,608.64	322.13
26 19 80 60-0038 EA Type OH-4, Single Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,003.59	161.07
26 19 80 60-0039 EA Type OH-5, Single Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,451.33	246.97
26 19 80 60-0040 EA Type OH-6, Single Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,813.47	504.67
26 19 80 60-0041 EA Type OH-7, Three Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,786.88	375.82
26 19 80 60-0042 EA Type OH-8, Three Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	2,806.19	740.90
26 19 80 60-0043 EA Type OH-9, Three Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	2,609.83	837.54
26 19 80 60-0044 EA Type OH-13, Three Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,875.02	488.57
26 19 80 60-0045 EA Type OH-16, Three Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,614.61	488.57
<b>26 19 80 60-0046 50 KV Pole Structure Assemblies</b> <small>(26 19 80 60-0001)</small>		
Note: Includes insulator with pin, bayonet, bolts, washers, and neutral wire brackets.		
26 19 80 60-0047 EA Type OH-3, Single Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	2,160.69	440.24
26 19 80 60-0048 EA Type OH-4, Single Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,185.06	225.49
26 19 80 60-0049 EA Type OH-5, Single Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,458.30	354.34
26 19 80 60-0050 EA Type OH-6, Single Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	2,716.56	719.43
26 19 80 60-0051 EA Type OH-7, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	2,089.35	536.89
26 19 80 60-0052 EA Type OH-8, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	3,990.21	1,073.77
26 19 80 60-0053 EA Type OH-9, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	4,763.53	1,191.88
26 19 80 60-0054 EA Type OH-10, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	2,444.44	579.83
26 19 80 60-0055 EA Type OH-13, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	2,415.49	671.11
26 19 80 60-0056 EA Type OH-16, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	2,336.54	633.53
<b>26 19 80 60-0057 Overhead To Underground Conversion Structures</b> <small>(26 19 80 60)</small>		
Note: Includes insulator with pin, bolts, washers, crossarms, fused cut out, arrestors, ground rods, clamps, conduit, molding, cable termination and neutral wire brackets. Excludes pole.		
<b>26 19 80 60-0058 5 KV Structures</b> <small>(26 19 80 60-0057)</small>		
Note: Excludes pole.		
26 19 80 60-0059 EA (3 Wire Dead End), 5 KV, Overhead To Underground Conversion Structures, Without Poles.....	4,849.71	2,147.55
26 19 80 60-0060 EA (3 Wire Tangent), 5 KV, Overhead To Underground Conversion Structures, Without Poles.....	4,849.71	2,147.55
26 19 80 60-0061 EA (4 Wire Tangent), 5 KV, Overhead To Underground Conversion Structures, Without Poles.....	4,849.71	2,147.55
26 19 80 60-0062 EA (4 Wire Dead End), 5 KV, Overhead To Underground Conversion Structures, Without Poles.....	4,849.71	2,147.55
<b>26 19 80 60-0063 15 KV Structures</b> <small>(26 19 80 60-0057)</small>		
Note: Excludes pole.		
26 19 80 60-0064 EA (3 Wire Dead End), 15 KV, Overhead To Underground Conversion Structures, Without Poles.....	5,030.72	2,147.55
26 19 80 60-0065 EA (3 Wire Tangent), 15 KV, Overhead To Underground Conversion Structures, Without Poles.....	5,030.72	2,147.55
26 19 80 60-0066 EA (4 Wire Tangent), 15 KV, Overhead To Underground Conversion Structures, Without Poles.....	5,030.72	2,147.55
26 19 80 60-0067 EA (4 Wire Dead End), 15 KV, Overhead To Underground Conversion Structures, Without Poles.....	5,030.72	2,147.55
<b>26 19 80 60-0068 25 KV Structures</b> <small>(26 19 80 60-0057)</small>		
Note: Excludes pole.		
26 19 80 60-0069 EA (3 Wire Dead End), 25 KV, Overhead To Underground Conversion Structures, Without Poles.....	5,228.18	2,147.55
26 19 80 60-0070 EA (3 Wire Tangent), 25 KV, Overhead To Underground Conversion Structures, Without Poles.....	5,228.18	2,147.55
26 19 80 60-0071 EA (4 Wire Tangent), 25 KV, Overhead To Underground Conversion Structures, Without Poles.....	5,228.18	2,147.55
26 19 80 60-0072 EA (4 Wire Dead End), 25 KV, Overhead To Underground Conversion Structures, Without Poles.....	5,228.18	2,147.55
<b>26 19 80 60-0073 Transformer Stations</b> <small>(26 19 80 60)</small>		
Note: Includes insulator with pin, bolts, washers, crossarms, fused cut out, arrestors, ground rods, clamps, conduit, molding, cable termination, neutral wire brackets and transformer mounting bracket(s). Excludes pole and transformer.		
<b>26 19 80 60-0074 5 KV Station</b> <small>(26 19 80 60-0073)</small>		
26 19 80 60-0075 EA (Single Transformer, 1 Phase, 4 Wire Tangent), 5 KV Transformer Station Without Pole.....	8,059.25	2,862.68
26 19 80 60-0076 EA (Double Transformer, 1 Phase, 3 Wire Tangent), 5 KV Transformer Station Without Pole.....	9,028.51	3,221.32
26 19 80 60-0077 EA (Triple Transformer, 3 Phase, 4 Wire Tangent), 5 KV Transformer Station Without Pole.....	9,997.77	3,578.89
26 19 80 60-0078 EA (Triple Transformer, 3 Phase, 4 Wire Dead End), 5 KV Transformer Station Without Pole.....	9,997.77	3,578.89
26 19 80 60-0079 EA (Single Transformer, 1 Phase, 2 Wire Tangent), 5 KV Transformer Station Without Pole.....	8,059.25	2,862.68
<b>26 19 80 60-0080 15 KV Stations</b> <small>(26 19 80 60-0073)</small>		
26 19 80 60-0081 EA (Single Transformer, 1 Phase, 4 Wire Tangent), 15 KV Transformer Station Without Pole.....	8,339.02	2,861.87
26 19 80 60-0082 EA (Double Transformer, 1 Phase, 3 Wire Tangent), 15 KV Transformer Station Without Pole.....	9,308.28	3,221.32
26 19 80 60-0083 EA (Triple Transformer, 3 Phase, 4 Wire Tangent), 15 KV Transformer Station Without Pole.....	10,277.54	3,578.89
26 19 80 60-0084 EA (Triple Transformer, 3 Phase, 4 Wire Dead End), 15 KV Transformer Station Without Pole.....	10,277.54	3,578.89
26 19 80 60-0085 EA (Single Transformer, 1 Phase, 2 Wire Tangent), 15 KV Transformer Station Without Pole.....	8,339.02	2,862.68



<b>Electrical</b>	<b>26</b>	<b>26</b>
Medium-Voltage Electrical Distribution	26 10	
High-Voltage Circuit Protection	26 19	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>26 19 80 60-0086</b>	<b>25 KV Stations</b> <small>(26 19 80 60-0073)</small>		
26 19 80 60-0087	EA (Single Transformer, 1 Phase, 4 Wire Tangent), 25 KV Transformer Station Without Pole.....	8,644.22	2,862.68
26 19 80 60-0088	EA (Double Transformer, 1 Phase, 3 Wire Tangent), 25 KV Transformer Station Without Pole .....	9,613.48	3,221.32
26 19 80 60-0089	EA (Triple Transformer, 3 Phase, 4 Wire Tangent), 25 KV Transformer Station Without Pole.....	10,582.74	3,578.89
26 19 80 60-0090	EA (Triple Transformer, 3 Phase, 4 Wire Dead End), 25 KV Transformer Station Without Pole.....	10,582.74	3,578.89
26 19 80 60-0091	EA (Single Transformer, 1 Phase, 2 Wire Tangent), 25 KV Transformer Station Without Pole.....	8,644.22	2,862.68

**26 20 Low-Voltage Electrical Distribution** (26)

**26 21 Low-Voltage Electrical Service Entrance** (26 21)

See CSI section 26 05 13 00-0000 for wire and cables.

**26 21 13 Low-Voltage Overhead Electrical Service Entrance** (26 21)

<b>26 21 13 00-0001</b>	<b>Service Drop Cable And Weatherheads</b> <small>(26 21 13)</small>		
<b>26 21 13 00-0002</b>	<b>600 Volt Insulated Stranded Conductors</b> <small>(26 21 13 00-0001)</small>		
<b>26 21 13 00-0003</b>	<b>Aluminum Duplex ACSR Neutral</b> <small>(26 21 13 00-0002)</small>		
26 21 13 00-0004	LF #6 AWG, 600 Volt, Aluminum Duplex ACSR With Neutral Cable Service Drop, Stranded Cable.....	7.80	2.55
26 21 13 00-0005	LF #4 AWG, 600 Volt, Aluminum Duplex ACSR With Neutral Cable Service Drop, Stranded Cable.....	9.71	3.03
26 21 13 00-0006	LF #2 AWG, 600 Volt, Aluminum Duplex ACSR With Neutral Cable Service Drop, Stranded Cable.....	12.28	3.41
26 21 13 00-0007	LF 1/0 AWG, 600 Volt, Aluminum Duplex ACSR With Neutral Cable Service Drop, Stranded Cable.....	17.70	4.30
<b>26 21 13 00-0008</b>	<b>Aluminum Triplex ACSR Neutral</b> <small>(26 21 13 00-0002)</small>		
26 21 13 00-0009	LF #6 AWG, 600 Volt, Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable .....	10.05	3.03
26 21 13 00-0010	LF #4 AWG, 600 Volt, Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable .....	11.85	3.41
26 21 13 00-0011	LF #2 AWG, 600 Volt, Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable .....	15.23	4.30
26 21 13 00-0012	LF 1/0 AWG, 600 Volt, Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable .....	19.92	5.23
26 21 13 00-0013	LF 2/0 AWG, 600 Volt, Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable .....	25.46	6.93
26 21 13 00-0014	LF 4/0 AWG, 600 Volt, Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable .....	33.81	8.59
26 21 13 00-0015	LF 336 MCM, 600 Volt, Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable .....	51.83	10.22
<b>26 21 13 00-0016</b>	<b>Aluminum Quadruplex ACSR Neutral</b> <small>(26 21 13 00-0002)</small>		
26 21 13 00-0017	LF #6 AWG, 600 Volt, Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable .....	11.93	3.41
26 21 13 00-0018	LF #4 AWG, 600 Volt, Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable .....	15.21	4.30
26 21 13 00-0019	LF #2 AWG, 600 Volt, Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable .....	19.87	5.51
26 21 13 00-0020	LF 1/0 AWG, 600 Volt, Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable .....	27.41	6.93
26 21 13 00-0021	LF 2/0 AWG, 600 Volt, Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable .....	30.75	7.67
26 21 13 00-0022	LF 3/0 AWG, 600 Volt, Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable .....	37.06	8.59
26 21 13 00-0023	LF 4/0 AWG, 600 Volt, Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable .....	42.94	10.22
26 21 13 00-0024	LF 336 MCM, 600 Volt, Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable .....	61.51	11.31
<b>26 21 13 00-0025</b>	<b>Weatherproof Conduit Hubs</b> <small>(26 21 13 00-0002)</small>		
26 21 13 00-0026	EA 1/2" Weatherproof Conduit Hubs .....	41.45	15.90
26 21 13 00-0027	EA 3/4" Weatherproof Conduit Hubs .....	47.26	18.06
26 21 13 00-0028	EA 1" Weatherproof Conduit Hubs .....	54.52	20.23
26 21 13 00-0029	EA 1-1/4" Weatherproof Conduit Hubs .....	75.50	27.10
26 21 13 00-0030	EA 1-1/2" Weatherproof Conduit Hubs.....	82.77	29.27
26 21 13 00-0031	EA 2" Weatherproof Conduit Hubs .....	105.04	33.96
26 21 13 00-0032	EA 2-1/2" Weatherproof Conduit Hubs.....	134.85	38.29
26 21 13 00-0033	EA 3" Weatherproof Conduit Hubs .....	172.04	45.16
26 21 13 00-0034	EA 4" Weatherproof Conduit Hubs .....	309.80	90.33
<b>26 21 13 00-0035</b>	<b>Service Entrance Cap, Threaded Weatherhead, Galvanized</b> <small>(26 21 13 00-0002)</small>		
26 21 13 00-0036	EA 1/2" Galvanized Threaded Service Entrance Weatherhead Cap For #14 Through #10 AWG Cable Service.....	49.24	15.90
26 21 13 00-0037	EA 3/4" Galvanized Threaded Service Entrance Weatherhead Cap For #12 Through #8 AWG Cable Service.....	56.62	18.06
26 21 13 00-0038	EA 1" Galvanized Threaded Service Entrance Weatherhead Cap For #6 AWG Cable Service .....	65.22	20.23
26 21 13 00-0039	EA 1-1/4" Galvanized Threaded Service Entrance Weatherhead Cap For #4 Through #2 AWG Cable Service.....	87.71	27.10
26 21 13 00-0040	EA 1-1/2" Galvanized Threaded Service Entrance Weatherhead Cap For #4 Through #2 AWG Cable Service.....	100.38	29.27
26 21 13 00-0041	EA 2" Galvanized Threaded Service Entrance Weatherhead Cap For 1/0 Through 2/0 AWG Cable Service.....	135.72	33.96
26 21 13 00-0042	EA 2-1/2" Galvanized Threaded Service Entrance Weatherhead Cap For 3/0 Through 4/0 Cable Service .....	244.48	38.29
26 21 13 00-0043	EA 3" Galvanized Threaded Service Entrance Weatherhead Cap For 250 Through 350 MCM Cable Service.....	276.96	45.16
26 21 13 00-0044	EA 4" Galvanized Threaded Service Entrance Weatherhead Cap For 600 Through 750 MCM Cable Service.....	441.62	90.33
<b>26 21 13 00-0045</b>	<b>Service Entrance Cap, Clamp-On Weatherhead, Aluminum</b> <small>(26 21 13 00-0002)</small>		
26 21 13 00-0046	EA 1/2" Aluminum Clamp-On Service Entrance Weatherhead Cap For #14 To #12 AWG Cable Service.....	47.17	15.90
26 21 13 00-0047	EA 3/4" Aluminum Clamp-On Service Entrance Weatherhead Cap For #10 To #8 AWG Cable Service.....	53.13	18.06
26 21 13 00-0048	EA 1" Aluminum Clamp-On Service Entrance Weatherhead Cap For #6 AWG Cable Service.....	60.50	20.14
26 21 13 00-0049	EA 1-1/4" Aluminum Clamp-On Service Entrance Weatherhead Cap For #4 To #2 AWG Cable Service.....	80.25	27.10
26 21 13 00-0050	EA 1-1/2" Aluminum Clamp-On Service Entrance Weatherhead Cap For #4 To #2 AWG Cable Service.....	90.30	29.27
26 21 13 00-0051	EA 2" Aluminum Clamp-On Service Entrance Weatherhead Cap For 1/0 To 2/0 AWG Cable Service.....	106.92	33.96

**26 Electrical**  
**26 20 Low-Voltage Electrical Distribution**  
**26 21 Low-Voltage Electrical Service Entrance**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST	
26 21	13 00-0052	EA	2-1/2" Aluminum Clamp-On Service Entrance Weatherhead Cap For 3/0 To 4/0 Cable Service .....	190.46	38.29	
26 21	13 00-0053	EA	3" Aluminum Clamp-On Service Entrance Weatherhead Cap For 250 To 350 MCM Cable Service .....	249.79	45.16	
26 21	13 00-0054	EA	3-1/2" Aluminum Clamp-On Service Entrance Weatherhead Cap For 400 To 500 MCM Cable Service .....	348.11	67.74	
26 21	13 00-0055	EA	4" Aluminum Clamp-On Service Entrance Weatherhead Cap For 600 To 750 MCM Cable Service .....	409.29	90.33	
<b>26 21 13 00-0056 Service Entrance Cap, Threaded Weatherhead, Polyvinyl Chloride (PVC) <sup>(26 21)</sup></b>						
26 21	13 00-0057	EA	<sup>21 13 00-0002</sup> 1/2" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For #14 To #12 AWG Cable Service .....	45.07	15.90	
26 21	13 00-0058	EA	3/4" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For #10 To #8 AWG Cable Service .....	51.69	18.06	
26 21	13 00-0059	EA	1" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For #6 AWG Cable Service .....	58.98	20.14	
26 21	13 00-0060	EA	1-1/4" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For #4 To #2 AWG Cable Service .....	78.43	27.10	
26 21	13 00-0061	EA	1-1/2" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For #4 To #2 AWG Cable Service .....	85.68	29.27	
26 21	13 00-0062	EA	2" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For 1/0 To 2/0 AWG Cable Service .....	107.01	33.96	
26 21	13 00-0063	EA	2-1/2" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For 3/0 To 4/0 Cable Service .....	197.53	38.29	
26 21	13 00-0064	EA	3" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For 250 To 350 MCM Cable Service .....	219.09	45.16	
26 21	13 00-0065	EA	3-1/2" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For 400 To 500 MCM Cable Service .....	386.40	67.74	
26 21	13 00-0066	EA	4" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For 600 To 750 MCM Cable Service .....	538.70	90.33	
<b>26 21 16 Low-Voltage Underground Electrical Service Entrance <sup>(26 21)</sup></b>						
<b>26 21 16 00-0001 Aluminum Triplex For Underground Service, Direct Burial <sup>(26 21 16)</sup></b>						
Note: Excludes excavation and backfill.						
26 21	16 00-0002	MLF	#6 AWG, 600 Volt, Aluminum Triplex URD With Neutral Cable, Stranded Cable, Direct Burial .....	5,353.26	954.48	
26 21	16 00-0003	MLF	#4 AWG, 600 Volt, Aluminum Triplex URD With Neutral Cable, Stranded Cable, Direct Burial .....	6,470.17	1,010.63	
26 21	16 00-0004	MLF	#2 AWG, 600 Volt, Aluminum Triplex URD With Neutral Cable, Stranded Cable, Direct Burial .....	8,153.07	1,073.77	
26 21	16 00-0005	MLF	1/0 AWG, 600 Volt, Aluminum Triplex URD With Neutral Cable, Stranded Cable, Direct Burial .....	10,496.45	1,073.77	
26 21	16 00-0006	MLF	2/0 AWG, 600 Volt, Aluminum Triplex URD With Neutral Cable, Stranded Cable, Direct Burial .....	11,892.84	1,145.39	
26 21	16 00-0007	MLF	3/0 AWG, 600 Volt, Aluminum Triplex URD With Neutral Cable, Stranded Cable, Direct Burial .....	14,293.53	1,321.60	
26 21	16 00-0008	MLF	4/0 AWG, 600 Volt, Aluminum Triplex URD With Neutral Cable, Stranded Cable, Direct Burial .....	17,110.10	1,718.04	
<b>26 22 Low-Voltage Transformers <sup>(26 20)</sup></b>						
<b>26 22 13 Low-Voltage Distribution Transformers <sup>(26 22)</sup></b>						
<b>26 22 13 00-0001 Single Phase General Purpose "Dry Type" Transformers <sup>(26 22 13)</sup></b>						
Note: 60 HZ type EP and EPT 115 C rise, 185 C insulation, type DT-3 and DS-3 150 C rise, 220 C insulation. Indoor Use. Wall mounted for up to 10 KVA, floor mounted for 15 KVA and larger. DT-3 and DS-3 use weathershields for outdoor placement. UL listed.						
<b>26 22 13 00-0002 480 Volt, 120/240 Volt, General Purpose Dry Type Transformers <sup>(26 22 13 00-0001)</sup></b>						
Note: 2-2.5 Percent taps above and 4-2.5 percent taps below.						
26 22	13 00-0003	EA	1 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose .....	1,442.27	234.40	
26 22	13 00-0004	EA	3 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose .....	2,044.55	281.28	
26 22	13 00-0005	EA	5 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose .....	2,705.39	293.47	
26 22	13 00-0006	EA	7.5 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose .....	3,372.31	304.72	
26 22	13 00-0007	EA	10 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose .....	4,987.03	328.16	
26 22	13 00-0008	EA	15 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose .....	6,019.56	351.60	
				For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	265.82	
				For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	398.73	
26 22	13 00-0009	EA	25 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose .....	6,617.99	375.04	
				For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	293.40	
				For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	440.09	
26 22	13 00-0010	EA	37.5 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose .....	6,313.92	421.92	
				For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	273.50	
				For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	410.26	
26 22	13 00-0011	EA	50 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose .....	7,593.66	468.80	
				For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	332.80	
				For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	499.20	
26 22	13 00-0012	EA	75 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose .....	10,147.50	562.56	
				For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	451.12	
				For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	676.68	
26 22	13 00-0013	EA	100 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose .....	12,981.75	656.32	
				For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	583.46	
				For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	875.18	
26 22	13 00-0014	EA	167 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose .....	21,043.10	843.84	
				For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	967.77	
				For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	1,451.66	
26 22	13 00-0015	EA	250 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose .....	38,781.83	1,031.36	
				For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	1,835.96	
				For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	2,753.93	
26 22	13 00-0016	EA	333 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose .....	61,584.84	1,172.00	
				For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	2,962.04	
				For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	4,443.06	
<b>26 22 13 00-0017 240 x 480 Volt, 120/240 Volt, General Purpose Dry Type Transformers <sup>(26 22 13 00-0001)</sup></b>						
Note: 1-10 Percent x 2-5 percent FCBN taps.						
26 22	13 00-0018	EA	3 KVA, 240 x 480 Volt - 120/240 Volt Transformer, 1 Phase, 60 Hertz, General Purpose, Dry .....	1,591.51	281.28	
26 22	13 00-0019	EA	5 KVA, 240 x 480 Volt - 120/240 Volt Transformer, 1 Phase, 60 Hertz, General Purpose, Dry .....	1,979.44	293.00	
26 22	13 00-0020	EA	7.5 KVA, 240 x 480 Volt - 120/240 Volt Transformer, 1 Phase, 60 Hertz, General Purpose, Dry .....	2,560.81	304.72	





<b>Electrical</b>	<b>26</b>	
<b>Low-Voltage Electrical Distribution</b>	<b>26 20</b>	<b>26</b>
<b>Low-Voltage Transformers</b>	<b>26 22</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22 13 00-0021 EA 10 KVA, 240 x 480 Volt - 120/240 Volt Transformer, 1 Phase, 60 Hertz, General Purpose, Dry.....	3,078.76	328.16
<b>26 22 13 00-0022 240 x 480 Volt, 120/240 Volt, General Purpose Dry Type Transformers (26 22 13 00-0001)</b>		
Note: 2-5 Percent x 4 - 2.5 percent FCBN taps.		
26 22 13 00-0023 EA 15 KVA, 240 x 480 Volt - 120/240 Volt Transformer, 1 Phase, 60 Hertz, General Purpose, Dry.....	6,285.37	351.60
26 22 13 00-0024 EA 25 KVA, 240 x 480 Volt - 120/240 Volt Transformer, 1 Phase, 60 Hertz, General Purpose, Dry.....	6,911.38	375.04
<b>26 22 13 00-0025 1 Phase Mounting Brackets (26 22 13 00-0001)</b>		
26 22 13 00-0026 EA 1 Phase Mounting Brackets (Set Of 2) For Transformers Up To 100 KVA.....	503.87	165.01
<b>26 22 13 00-0027 1 Phase Weathershields (26 22 13 00-0001)</b>		
Note: Use with types DT-3 and DS-3.		
26 22 13 00-0028 EA 37.5 KVA 1 Phase Weathershields, Set Of 2.....	191.51	
26 22 13 00-0029 EA 50 KVA 1 Phase Weathershields, Set Of 2.....	244.11	
26 22 13 00-0030 EA 75 KVA 1 Phase Weathershields, Set Of 2.....	291.10	
26 22 13 00-0031 EA 100 KVA 1 Phase Weathershields, Set Of 2.....	347.27	
26 22 13 00-0032 EA 167 KVA 1 Phase Weathershields, Set Of 2.....	469.84	
26 22 13 00-0033 EA 250 KVA 1 Phase Weathershields, Set Of 2.....	561.77	
26 22 13 00-0034 EA 333 KVA 1 Phase Weathershields, Set Of 2.....	689.44	
<b>26 22 13 00-0035 Packaged Power Supply (26 22 13 00-0001)</b>		
Note: 2-5 Percent FCBN taps.		
26 22 13 00-0036 EA 5 KVA, 480 Volt - 120/240 Volt, Transformer With 6 - 1 Pole / 3 - 2 Pole Max 20 Amperes Breakers.....	3,401.52	293.00
26 22 13 00-0037 EA 7.5 KVA, 480 Volt - 120/240 Volt, Transformer With 8 - 1 Pole / 4 - 2 Pole Max 30 Amperes Breakers.....	3,901.60	304.72
26 22 13 00-0038 EA 10 KVA, 480 Volt - 120/240 Volt, Transformer With 10 - 1 Pole / 5 - 2 Pole Max 40 Amperes Breakers.....	4,232.37	328.16
26 22 13 00-0039 EA 15 KVA, 480 Volt - 120/240 Volt, Transformer With 16 - 1 Pole / 8 - 2 Pole Max 60 Amperes Breakers.....	5,344.52	351.60
26 22 13 00-0040 EA 25 KVA, 480 Volt - 120/240 Volt, Transformer With 24 - 1 Pole / 12 - 2 Pole Max 100 Amperes Breakers.....	7,672.99	375.04
<b>26 22 13 00-0041 240 Volt, 120/240 Volt, Single Phase Isolation Transformer Computer Grade (26 22 13 00-0001)</b>		
26 22 13 00-0042 EA 0.5 KVA, 1 Phase, 240 Volt - 120/240 Volt, Isolation Transformer.....	2,541.31	210.96
26 22 13 00-0043 EA 1 KVA, 1 Phase, 240 Volt - 120/240 Volt, Isolation Transformer.....	3,762.80	234.40
26 22 13 00-0044 EA 2.5 KVA, 1 Phase, 240 Volt - 120/240 Volt, Isolation Transformer.....	4,367.25	281.28
26 22 13 00-0045 EA 5 KVA, 1 Phase, 240 Volt - 120/240 Volt, Isolation Transformer.....	4,875.85	293.00
26 22 13 00-0046 EA 7.5 KVA, 1 Phase, 240 Volt - 120/240 Volt, Isolation Transformer.....	5,563.20	304.72
26 22 13 00-0047 EA 10 KVA, 1 Phase, 240 Volt - 120/240 Volt, Isolation Transformer.....	7,346.45	328.16
26 22 13 00-0048 EA 15 KVA, 1 Phase, 240 Volt - 120/240 Volt, Isolation Transformer.....	9,732.32	351.60
<b>26 22 13 00-0049 1 Phase, 208/600 Volt, Dry General Purpose Transformer (26 22 13 00-0001)</b>		
26 22 13 00-0050 EA 15 KVA, 208/600 Volt, Transformer, 1 Phase, 60 Hertz, General Purpose, Dry.....	12,195.63	351.60
26 22 13 00-0051 EA 25 KVA, 208/600 Volt, Transformer, 1 Phase, 60 Hertz, General Purpose, Dry.....	12,623.43	375.04
26 22 13 00-0052 EA 30 KVA, 208/600 Volt, Transformer, 1 Phase, 60 Hertz, General Purpose, Dry.....	13,091.75	398.48
26 22 13 00-0053 EA 37.5 KVA, 208/600 Volt, Transformer, 1 Phase, 60 Hertz, General Purpose, Dry.....	17,546.53	421.92
26 22 13 00-0054 EA 45 KVA, 208/600 Volt, Transformer, 1 Phase, 60 Hertz, General Purpose, Dry.....	18,215.66	445.36
26 22 13 00-0055 EA 50 KVA, 208/600 Volt, Transformer, 1 Phase, 60 Hertz, General Purpose, Dry.....	24,616.95	468.80
<b>26 22 13 00-0056 3 Phase General Purpose "Dry Type" Transformer (26 22 13 00-0001)</b>		
Note: 60 HZ type EP and EPT 115 C rise, 185 C insulation, type DT-3 and DS-3 150 C rise, 220 C insulation. Indoor use. Wall mounted for up to 10 KVA, floor mounted for 15 KVA and larger. DT-3 and DS-3 use weathershields for outdoor placement. UL listed.		
<b>26 22 13 00-0057 Packaged Power Supply (26 22 13 00-0056)</b>		
Note: 2-5 Percent FCBN taps.		
26 22 13 00-0058 EA 15 KVA, 480 Volt - 208/120 Volt, Transformer With 12 - 1 Pole / 4 - 3 Pole Max, 40 Amperes Breakers.....	15,511.23	1,007.92
For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add		674.77
For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add		1,012.15
26 22 13 00-0059 EA 22.5 KVA, 480 Volt - 208/120 Volt, Transformer With 18 - 1 Pole / 6 - 3 Pole Max, 60 Amperes Breakers.....	18,880.17	1,078.24
For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add		836.18
For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add		1,254.28
26 22 13 00-0060 EA 30 KVA, 480 Volt - 208/120 Volt, Transformer With 24 - 1 Pole / 8 - 3 Pole Max, 80 Amperes Breakers.....	22,863.73	1,172.00
For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add		1,025.99
For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add		1,538.98
<b>26 22 13 00-0061 Drive Isolation Transformers (26 22 13 00-0056)</b>		
Note: Only use in step-up applications.		
<b>26 22 13 00-0062 230 Volt Drive Isolation Transformers (26 22 13 00-0061)</b>		
26 22 13 00-0063 EA 7.5 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	8,385.39	375.04
26 22 13 00-0064 EA 11 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	9,860.32	398.48
26 22 13 00-0065 EA 15 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	10,192.81	421.92
26 22 13 00-0066 EA 20 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	12,094.26	445.36
26 22 13 00-0067 EA 27 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	12,481.25	492.24
26 22 13 00-0068 EA 34 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	13,725.06	539.12

**26 Electrical**  
**26 20 Low-Voltage Electrical Distribution**  
**26 22 Low-Voltage Transformers**



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22 13 00-0069 EA 40 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	15,547.71	586.00
26 22 13 00-0070 EA 51 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	18,121.75	656.32
26 22 13 00-0071 EA 63 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	19,650.00	679.76
26 22 13 00-0072 EA 75 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	22,785.28	703.20
26 22 13 00-0073 EA 93 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	28,860.43	726.64
26 22 13 00-0074 EA 118 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	32,307.46	890.72
26 22 13 00-0075 EA 145 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	36,106.53	937.60
26 22 13 00-0076 EA 175 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	41,474.56	984.49
26 22 13 00-0077 EA 220 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	50,627.36	1,172.00
26 22 13 00-0078 EA 275 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	67,287.17	1,382.96
26 22 13 00-0079 EA 330 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	70,942.46	1,523.60
26 22 13 00-0080 EA 440 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	86,605.98	1,687.68
26 22 13 00-0081 EA 550 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	107,156.52	1,875.20
<b>26 22 13 00-0082 208V Drive Isolation Transformers (26 22 13 00-0061)</b>		
26 22 13 00-0083 EA 7.5 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	8,774.03	375.04
26 22 13 00-0084 EA 11 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	10,321.65	398.48
26 22 13 00-0085 EA 15 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	10,668.68	421.92
26 22 13 00-0086 EA 20 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	12,664.52	445.36
26 22 13 00-0087 EA 27 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	13,066.44	492.24
26 22 13 00-0088 EA 30 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	14,321.90	515.68
26 22 13 00-0089 EA 45 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	16,326.33	609.44
26 22 13 00-0090 EA 51 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	18,977.33	656.32
26 22 13 00-0091 EA 63 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	20,580.99	679.76
26 22 13 00-0092 EA 75 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	23,873.46	703.20
26 22 13 00-0093 EA 93 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	30,255.46	726.64
26 22 13 00-0094 EA 118 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	33,861.23	890.72
26 22 13 00-0095 EA 145 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	37,848.91	937.60
26 22 13 00-0096 EA 175 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	43,485.40	984.49
26 22 13 00-0097 EA 220 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	53,084.98	1,172.00
<b>26 22 13 00-0098 480 Volt x 208Y/120 Volt, 2-2.5 Percent FCBN Taps (26 22 13 00-0056)</b>		
26 22 13 00-0099 EA 9 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	5,748.61	386.76
26 22 13 00-0100 EA 15 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	7,670.27	421.92
For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	341.32	
For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	511.98	
<b>26 22 13 00-0101 480 Volt x 208Y/120 Volt, 2-2.5 Percent FCAN And 4-2.5 Percent FCBN Taps (26 22 13 00-0056)</b>		
26 22 13 00-0102 EA 30 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	8,530.01	515.68
For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	374.93	
For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	562.40	
For K4 Factor Rating, Add	5,249.06	
For K13 Factor Rating, Add	7,498.65	
For K20 Factor Rating, Add	9,748.25	
26 22 13 00-0103 EA 37.5 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	10,393.87	562.56
For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	463.44	
For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	695.16	
For K4 Factor Rating, Add	6,488.13	
For K13 Factor Rating, Add	9,268.75	
For K20 Factor Rating, Add	12,049.38	
26 22 13 00-0104 EA 45 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	10,832.94	609.44
For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	480.70	
For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	721.05	
For K4 Factor Rating, Add	6,729.84	
For K13 Factor Rating, Add	9,614.05	
For K20 Factor Rating, Add	12,498.25	
26 22 13 00-0105 EA 50 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	14,452.91	656.32
For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	657.01	
For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	985.52	
For K4 Factor Rating, Add	9,198.19	
For K13 Factor Rating, Add	13,140.27	
For K20 Factor Rating, Add	17,082.35	
26 22 13 00-0106 EA 75 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	14,163.62	703.20
For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	637.86	
For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	956.79	
For K4 Factor Rating, Add	8,930.05	
For K13 Factor Rating, Add	12,757.22	
For K20 Factor Rating, Add	16,584.39	
26 22 13 00-0107 EA 112.5 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	17,680.34	843.84
For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	799.63	
For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	1,199.45	
For K4 Factor Rating, Add	11,194.86	
For K13 Factor Rating, Add	15,992.66	
For K20 Factor Rating, Add	20,790.46	



<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Low-Voltage Electrical Distribution</b>	<b>26 20</b>	
<b>Low-Voltage Transformers</b>	<b>26 22</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22 13 00-0108 EA 150 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	23,203.87	937.60
For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	1,066.43	
For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	1,599.65	
For K4 Factor Rating, Add	14,930.07	
For K13 Factor Rating, Add	21,328.67	
For K20 Factor Rating, Add	27,727.27	
26 22 13 00-0109 EA 225 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	31,813.55	1,172.00
For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	1,473.48	
For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	2,210.22	
For K4 Factor Rating, Add	20,628.69	
For K13 Factor Rating, Add	29,469.55	
For K20 Factor Rating, Add	38,310.42	
26 22 13 00-0110 EA 300 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	38,739.34	1,453.28
For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	1,791.64	
For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	2,687.46	
For K4 Factor Rating, Add	25,082.95	
For K13 Factor Rating, Add	35,832.78	
For K20 Factor Rating, Add	46,582.61	
26 22 13 00-0111 EA 500 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	56,034.18	1,781.44
For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	2,623.57	
For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	3,935.35	
For K4 Factor Rating, Add	36,729.91	
For K13 Factor Rating, Add	52,471.30	
For K20 Factor Rating, Add	68,212.69	
26 22 13 00-0112 EA 750 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	132,302.47	2,164.83
For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	6,399.48	
For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	9,599.21	
For K4 Factor Rating, Add	89,592.66	
For K13 Factor Rating, Add	127,989.51	
For K20 Factor Rating, Add	166,386.36	
26 22 13 00-0113 EA 1,000 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	175,089.42	2,344.00
For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	8,520.07	
For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	12,780.11	
For K4 Factor Rating, Add	119,280.99	
For K13 Factor Rating, Add	170,401.41	
For K20 Factor Rating, Add	221,521.83	
<b>26 22 13 00-0114 480 Volt x 208Y/120 Volt, 2-2.5 Percent FCAN And 2-2.5 Percent FCBN Taps</b>		
<small>(26 22 13 00-0056)</small>		
26 22 13 00-0115 EA 6 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	4,604.20	363.32
For K4 Factor Rating, Add	2,714.29	
For K13 Factor Rating, Add	3,877.56	
For K20 Factor Rating, Add	5,040.83	
26 22 13 00-0116 EA 9 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	5,748.61	386.76
For K4 Factor Rating, Add	3,482.56	
For K13 Factor Rating, Add	4,975.09	
For K20 Factor Rating, Add	6,467.62	
26 22 13 00-0117 EA 15 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	7,670.27	421.92
For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	341.32	
For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	511.98	
For K4 Factor Rating, Add	4,778.50	
For K13 Factor Rating, Add	6,826.43	
For K20 Factor Rating, Add	8,874.36	
<b>26 22 13 00-0118 480 Volt x 480Y/277 Volt, 2-2.5 Percent FCAN And 4 Percent FCBN Taps</b>		
<small>(26 22 13 00-0056)</small>		
26 22 13 00-0119 EA 30 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	15,305.35	515.68
For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	713.70	
For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	1,070.55	
For K4 Factor Rating, Add	9,991.79	
For K13 Factor Rating, Add	14,273.99	
For K20 Factor Rating, Add	18,556.19	
26 22 13 00-0120 EA 45 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	17,103.00	609.44
For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	794.21	
For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	1,191.31	
For K4 Factor Rating, Add	11,118.88	
For K13 Factor Rating, Add	15,884.11	
For K20 Factor Rating, Add	20,649.34	
26 22 13 00-0121 EA 75 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	25,564.24	703.20
For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	1,207.89	
For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	1,811.84	
For K4 Factor Rating, Add	16,910.49	
For K13 Factor Rating, Add	24,157.84	
For K20 Factor Rating, Add	31,405.19	
26 22 13 00-0122 EA 112.5 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	32,159.36	843.84
For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	1,523.58	
For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	2,285.38	
For K4 Factor Rating, Add	21,330.18	
For K13 Factor Rating, Add	30,471.68	
For K20 Factor Rating, Add	39,613.18	

**26 Electrical**  
**26 20 Low-Voltage Electrical Distribution**  
**26 22 Low-Voltage Transformers**



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22 13 00-0123 EA 150 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry <i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For K4 Factor Rating, Add</i> <i>For K13 Factor Rating, Add</i> <i>For K20 Factor Rating, Add</i>	38,865.76 1,849.53 2,774.29 25,893.39 36,990.56 48,087.73	937.60
26 22 13 00-0124 EA 225 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry <i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For K4 Factor Rating, Add</i> <i>For K13 Factor Rating, Add</i> <i>For K20 Factor Rating, Add</i>	49,869.69 2,376.28 3,564.43 33,267.98 47,525.69 61,783.40	1,172.00
26 22 13 00-0125 EA 300 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry <i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For K4 Factor Rating, Add</i> <i>For K13 Factor Rating, Add</i> <i>For K20 Factor Rating, Add</i>	60,587.47 2,884.05 4,326.07 40,376.64 57,680.91 74,985.18	1,453.28
26 22 13 00-0126 EA 500 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry <i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For K4 Factor Rating, Add</i> <i>For K13 Factor Rating, Add</i> <i>For K20 Factor Rating, Add</i>	98,300.68 4,736.89 7,105.34 66,316.46 94,737.80 123,159.14	1,781.44
<b>26 22 13 00-0127 3 Phase 60 Hz K20 Dry Type Transformers (26 22 13 00-0056)</b>		
<b>26 22 13 00-0128 3 Phase 60 Hz K20 Dry Type Transformers, 115 C Rise (26 22 13 00-0127)</b> Note: 220 C insulation 480 V-208 Y/120 V. 2-2.5 Percent above and 4-2.5 percent taps below.		
26 22 13 00-0129 EA 15 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	7,121.50	421.92
26 22 13 00-0130 EA 30 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	10,975.51	515.68
26 22 13 00-0131 EA 45 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	16,361.26	609.44
26 22 13 00-0132 EA 75 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	21,035.40	703.20
26 22 13 00-0133 EA 112.5 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	31,966.39	843.84
26 22 13 00-0134 EA 150 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	39,034.61	937.60
26 22 13 00-0135 EA 225 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	45,256.43	1,172.00
26 22 13 00-0136 EA 300 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	72,581.96	1,453.28
<b>26 22 13 00-0137 3 Phase 60 Hz K20 Dry Type Transformers, 80 C Rise (26 22 13 00-0127)</b> Note: 220 C insulation 480 V-208 Y/120 V. 2-2.5 Percent above and 4-2.5 percent taps below.		
26 22 13 00-0138 EA 15 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	8,381.86	421.92
26 22 13 00-0139 EA 30 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	12,965.55	515.68
26 22 13 00-0140 EA 45 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	19,388.53	609.44
26 22 13 00-0141 EA 75 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	24,955.17	703.20
26 22 13 00-0142 EA 112.5 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	38,020.93	843.84
26 22 13 00-0143 EA 150 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	46,470.11	937.60
26 22 13 00-0144 EA 225 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	53,837.70	1,172.00
26 22 13 00-0145 EA 300 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	86,518.25	1,453.28
<b>26 22 13 00-0146 NEMA Premium Efficient Dry Type Transformers (26 22 13 00-0056)</b>		
<b>26 22 13 00-0147 Aluminum Windings, NEMA Premium Efficient Dry Type Transformers (26 22 13 00-0146)</b> Note: Two taps at 2.5%, four at -2.5%.		
<b>26 22 13 00-0148 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformers (26 22 13 00-0147)</b>		
26 22 13 00-0149 EA 15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	3,266.75	423.55
26 22 13 00-0150 EA 30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	3,984.57	517.67
26 22 13 00-0151 EA 45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	4,807.24	611.80
26 22 13 00-0152 EA 75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	6,489.70	705.92
26 22 13 00-0153 EA 112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	8,712.09	847.11
26 22 13 00-0154 EA 150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	10,872.20	941.23
26 22 13 00-0155 EA 225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	14,436.57	1,176.54
26 22 13 00-0156 EA 300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	20,382.90	1,458.91
<b>26 22 13 00-0157 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformers (26 22 13 00-0147)</b>		
26 22 13 00-0158 EA 15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	3,994.75	423.55
26 22 13 00-0159 EA 30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	4,866.40	517.67



<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Low-Voltage Electrical Distribution</b>	<b>26 20</b>	
<b>Low-Voltage Transformers</b>	<b>26 22</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22 13 00-0160 EA 45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	5,882.58	611.80
26 22 13 00-0161 EA 75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	8,013.30	705.92
26 22 13 00-0162 EA 112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	10,284.69	847.11
26 22 13 00-0163 EA 150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	13,569.13	941.23
26 22 13 00-0164 EA 225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	18,061.86	1,176.54
26 22 13 00-0165 EA 300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	25,622.43	1,458.91
<b>26 22 13 00-0166 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformers (26 22 13 00-0147)</b>		
26 22 13 00-0167 EA 15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	4,719.81	423.55
26 22 13 00-0168 EA 30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	5,750.68	517.67
26 22 13 00-0169 EA 45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	6,957.93	611.80
26 22 13 00-0170 EA 75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	9,534.46	705.92
26 22 13 00-0171 EA 112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	12,268.80	847.11
26 22 13 00-0172 EA 150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	16,266.05	941.23
26 22 13 00-0173 EA 225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	21,687.16	1,176.54
26 22 13 00-0174 EA 300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	30,861.96	1,458.91
<b>26 22 13 00-0175 Copper Windings, NEMA Premium Efficient Dry Type Transformers (26 22 13 00-0146)</b>		
Note: Two taps at 2.5%, four at -2.5%.		
<b>26 22 13 00-0176 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformers (26 22 13 00-0175)</b>		
26 22 13 00-0177 EA 15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	4,477.30	423.55
26 22 13 00-0178 EA 30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	5,456.74	517.67
26 22 13 00-0179 EA 45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	6,597.84	611.80
26 22 13 00-0180 EA 75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	9,027.40	705.92
26 22 13 00-0181 EA 112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	12,298.19	847.11
26 22 13 00-0182 EA 150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	15,460.16	941.23
26 22 13 00-0183 EA 225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	20,602.02	1,176.54
26 22 13 00-0184 EA 300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	29,296.71	1,458.91
<b>26 22 13 00-0185 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformers (26 22 13 00-0175)</b>		
26 22 13 00-0186 EA 15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	5,202.36	423.55
26 22 13 00-0187 EA 30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	6,341.02	517.67
26 22 13 00-0188 EA 45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	7,673.19	611.80
26 22 13 00-0189 EA 75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	10,551.02	705.92
26 22 13 00-0190 EA 112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	16,158.64	847.11
26 22 13 00-0191 EA 150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	20,422.89	941.23
26 22 13 00-0192 EA 225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	26,079.16	1,176.54
26 22 13 00-0193 EA 300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	38,969.88	1,458.91
<b>26 22 13 00-0194 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformers (26 22 13 00-0175)</b>		
26 22 13 00-0195 EA 15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	5,929.87	423.55



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22 13 00-0196 EA 30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	7,225.29	517.67
26 22 13 00-0197 EA 45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	8,748.52	611.80
26 22 13 00-0198 EA 75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	12,072.16	705.92
26 22 13 00-0199 EA 112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	19,259.75	847.11
26 22 13 00-0200 EA 150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	24,922.67	941.23
26 22 13 00-0201 EA 225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	31,553.84	1,176.54
26 22 13 00-0202 EA 300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	46,695.68	1,458.91
<b>26 22 13 00-0203 3 Phase Weathershields (26 22 13 00-0056)</b> Note: Use with type DT-3 and DS-3.		
26 22 13 00-0204 EA 45-112.5 KVA 3 Phase Weathershields With DT-3, DS-3, Set Of 2 .....	1,658.36	
26 22 13 00-0205 EA 150-300 KVA 3 Phase Weathershields With DT-3, DS-3, Set Of 2 .....	2,816.20	
26 22 13 00-0206 EA 500-1,000 KVA 3 Phase Weathershields With DT-3, DS-3, Set Of 2 .....	2,816.20	
<b>26 22 13 00-0207 Three Phase Mounting Brackets (26 22 13 00-0056)</b>		
26 22 13 00-0208 EA 3 Phase Mounting Brackets (Set Of 2) For Transformers Up To 112.5 KVA.....	1,215.27	165.01
<b>26 22 13 00-0209 Pad Mounted Commercial Type Distribution Transformers UL Listed (26 22 13)</b>		
<b>26 22 13 00-0210 Distribution 3 Phase Oil Filled Transformer (26 22 13 00-0209)</b> Note: Designed for loads as shopping centers, institutions, and industrial plants with underground distribution. KVA-75 thru 1000, 3 phase 95 thru 150 KV BIL standard features. With taps 4-1/2 percent below - 2-1/2 percent above and below.		
<b>26 22 13 00-0211 Factory Modifications (26 22 13 00-0210)</b> Note: For use with series 4100 3 phase transformers.		
26 22 13 00-0212 EA Current Limiting Fuse 95 KV Series 4100, 3 Phase Transformer, Factory Modification .....	3,038.73	
26 22 13 00-0213 EA Lightning Arrestors 9-10 KV Series 4100, 3 Phase Transformer, Factory Modification .....	494.13	
26 22 13 00-0214 EA Loadbreaker Oil Switch, 2 Position Series 4100, 3 Phase Transformer, Factory Modification.....	1,976.53	
26 22 13 00-0215 EA Loop Feed Air Switch Series 4100, 3 Phase Transformer, Factory Modification .....	5,694.49	
26 22 13 00-0216 EA Loadbreaker Inserts Series 4100, 3 Phase Transformer, Factory Modification .....	697.60	
26 22 13 00-0217 EA Lightning Arrestors, 15 KV Series 4100, 3 Phase Transformer, Factory Modification .....	552.26	
<b>26 22 13 00-0218 Accessories For Transformer Liquid Containment Area (26 22 13 00-0210)</b> Note: Reinforced concrete curb with 6" slab.		
26 22 13 00-0219 EA Containment Area For 75 KVA .....	7,519.68	2,115.06
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,410.07	
26 22 13 00-0220 EA Containment Area For 112.5 KVA .....	7,519.68	2,115.06
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,410.07	
26 22 13 00-0221 EA Containment Area For 150 KVA .....	7,519.68	2,115.06
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,410.07	
26 22 13 00-0222 EA Containment Area For 225 KVA .....	7,519.68	2,115.06
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,410.07	
26 22 13 00-0223 EA Containment Area For 300 KVA .....	7,512.10	2,115.06
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,407.80	
26 22 13 00-0224 EA Containment Area For 500 KVA .....	7,512.10	2,115.06
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,407.80	
26 22 13 00-0225 EA Containment Area For 750 KVA .....	7,593.49	2,115.06
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,407.80	
26 22 13 00-0226 EA Containment Area For 1,000 KVA .....	8,773.59	2,115.06
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,407.80	
<b>26 22 13 00-0227 Primary 4.16 / 4.8 KV, Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 95 KV BIL (26 22 13 00-0210)</b> Note: Rated to 5 KVA.		
26 22 13 00-0228 EA 45 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	17,803.09	1,129.48
26 22 13 00-0229 EA 75 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	19,547.08	1,129.48
26 22 13 00-0230 EA 112.5 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	20,709.74	1,129.48
26 22 13 00-0231 EA 150 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	24,197.73	1,129.48
26 22 13 00-0232 EA 225 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	25,537.50	1,694.21
26 22 13 00-0233 EA 300 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	26,700.16	1,694.21
26 22 13 00-0234 EA 500 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	40,652.11	1,694.21
26 22 13 00-0235 EA 750 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	51,883.44	2,258.94



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22 13 00-0236 EA 1,000 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	66,998.05	2,258.94
<b>26 22 13 00-0237 Primary 4.16 / 4.8 KV, Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 95 BIL</b> <small>(26 22 13 00-0210)</small> Note: Rated to 5 KVA.		
26 22 13 00-0238 EA 45 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	18,384.42	1,129.48
26 22 13 00-0239 EA 75 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	20,709.74	1,129.48
26 22 13 00-0240 EA 112.5 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	21,291.07	1,129.48
26 22 13 00-0241 EA 150 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	21,872.40	1,129.48
26 22 13 00-0242 EA 225 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	25,537.50	1,694.21
26 22 13 00-0243 EA 300 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	27,862.83	1,694.21
26 22 13 00-0244 EA 500 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	40,652.11	1,694.21
26 22 13 00-0245 EA 750 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	52,464.77	2,258.94
26 22 13 00-0246 EA 1,000 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	66,998.05	2,258.94
<b>26 22 13 00-0247 Primary 5 KV Or 15 KV, Secondary 277/480 Volt</b> <small>(26 22 13 00-0209)</small> Note: 4-2.5 Percent taps FCAN and FCBN. Pad mounted.		
26 22 13 00-0248 EA 150 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase.....	63,910.97	1,537.01
26 22 13 00-0249 EA 225 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase.....	69,582.10	1,814.46
26 22 13 00-0250 EA 300 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase.....	77,823.32	2,217.68
26 22 13 00-0251 EA 500 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase.....	92,939.89	2,495.15
26 22 13 00-0252 EA 750 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase.....	115,024.63	2,626.39
26 22 13 00-0253 EA 1,000 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase.....	137,948.58	3,837.53
26 22 13 00-0254 EA 1,500 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase.....	162,702.32	4,341.55
26 22 13 00-0255 EA 2,000 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase.....	204,395.48	4,990.29
26 22 13 00-0256 EA 2,500 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase.....	226,664.47	5,239.80
26 22 13 00-0257 EA 3,000 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase.....	238,500.35	5,838.83
26 22 13 00-0258 EA 3,750 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Oil Filled, 3 Phase.....	275,001.98	6,238.06
<b>26 22 13 00-0259 Pad Mounted Transformer 15 KV - 480 Volt, Oil Filled</b> <small>(26 22 13 00-0209)</small>		
26 22 13 00-0260 EA 1,500 KVA Pad Mounted Transformer, 15 KV - 480 Volt, Oil Filled.....	117,024.28	4,194.59
26 22 13 00-0261 EA 2,000 KVA Pad Mounted Transformer, 15 KV - 480 Volt, Oil Filled.....	144,574.33	4,823.80
26 22 13 00-0262 EA 2,500 KVA Pad Mounted Transformer, 15 KV - 480 Volt, Oil Filled.....	165,081.17	5,077.64
26 22 13 00-0263 EA 3,000 KVA Pad Mounted Transformer, 15 KV - 480 Volt, Oil Filled.....	174,858.86	5,675.04
26 22 13 00-0264 EA 3,750 KVA Pad Mounted Transformer, 15 KV - 480 Volt, Oil Filled.....	196,913.56	5,847.00
<b>26 22 13 00-0265 Silicone Filled Distribution Transformers, 3 Phase</b> <small>(26 22 13 00-0209)</small> Note: Primary 5 KV or 15 KV, secondary 277/480 V, 4-2.5 percent taps FCAN and FCBN. Pad mounted.		
26 22 13 00-0266 EA 225 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase.....	111,943.08	1,814.46
26 22 13 00-0267 EA 300 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase.....	119,672.59	2,217.68
26 22 13 00-0268 EA 500 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase.....	140,394.26	2,495.15
26 22 13 00-0269 EA 750 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase.....	170,886.64	2,626.39
26 22 13 00-0270 EA 1,000 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase.....	203,540.78	3,837.53
26 22 13 00-0271 EA 1,500 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase.....	259,909.77	4,341.55
26 22 13 00-0272 EA 2,000 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase.....	316,686.31	4,990.29
26 22 13 00-0273 EA 2,500 KVA Transformer Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase.....	363,154.49	5,239.80
<b>26 22 13 00-0274 Foam Core Poly Transformer Pads</b> <small>(26 22 13)</small>		
26 22 13 00-0275 EA Single Phase Foam Core Poly Pads.....	421.34	32.85
<b>26 24 Switchboards and Panelboards</b> <small>(26 20)</small>		
<b>26 24 13 Switchboards</b> <small>(26 24)</small> Note: Installation of free-standing building distribution switchboards. Switchboard sections to be mounted on 4" concrete pad. Includes material, handling, unloading at job site, assembly and installation, wiring connections, testing and cleanup. Exclude concrete pad and foundation.		
26 24 13 00-0001 Fusible Switch Type 240 Volt, 3 Phase, 3 Wire <small>(26 24 13)</small>		
26 24 13 00-0002 Incoming Service Section Main Device Only <small>(26 24 13 00-0001)</small> Note: Copper bus, non-metering type, with fuses.		
26 24 13 00-0003 EA 400 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch.....	3,760.40	790.06
26 24 13 00-0004 EA 600 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch.....	4,190.28	835.68
26 24 13 00-0005 EA 800 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch.....	7,066.58	947.95
26 24 13 00-0006 EA 1,200 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch.....	7,615.81	1,016.23



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 24 13 00-0007	EA 1,600 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch .....	12,626.34	1,083.52
26 24 13 00-0008	EA 2,000 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch .....	14,123.06	1,152.08
26 24 13 00-0009	EA 400 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker.....	4,676.40	790.06
26 24 13 00-0010	EA 600 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker.....	6,120.77	835.68
26 24 13 00-0011	EA 800 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker.....	8,692.35	948.76
26 24 13 00-0012	EA 1,200 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker.....	12,099.22	1,016.23
26 24 13 00-0013	EA 1,600 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker.....	12,626.34	1,084.61
26 24 13 00-0014	EA 2,000 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker.....	14,123.06	1,152.08
26 24 13 00-0015	EA 2,500 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker.....	17,109.87	1,204.46
26 24 13 00-0016	EA 3,000 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker.....	19,443.70	1,290.37
26 24 13 00-0017	EA 4,000 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker.....	23,053.93	1,390.99
26 24 13 00-0018	EA 400 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	2,430.03	700.01
26 24 13 00-0019	EA 600 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	2,708.17	745.26
26 24 13 00-0020	EA 800 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	3,098.61	857.89
26 24 13 00-0021	EA 1,000 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	3,360.31	893.93
26 24 13 00-0022	EA 1,200 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	3,599.30	926.18
26 24 13 00-0023	EA 1,600 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	3,961.44	993.02
26 24 13 00-0024	EA 2,000 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	4,287.45	1,061.13

### 26 24 13 00-0025 Branch Breaker Units (26 24 13 00-0001)

Note: Includes branch breaker(s) and portion of distribution section occupied by that breaker. 240 V, 3 pole. Use upper range to determine breaker unless designing for future expansion.

26 24 13 00-0026	EA 15 To 60 Amperes, 240 Volt, MC Branch Breaker .....	352.37	27.55
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.53	
26 24 13 00-0027	EA 70 To 100 Amperes, 240 Volt, MC Branch Breaker.....	514.06	43.36
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26.01	
26 24 13 00-0028	EA 125 To 225 Amperes, 240 Volt, MC Branch Breaker .....	1,408.51	79.03
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	47.42	
26 24 13 00-0029	EA 100 To 400 Amperes, 240 Volt, MC Branch Breaker .....	2,528.47	102.97
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	61.78	
26 24 13 00-0030	EA 300 To 600 Amperes, 240 Volt, MC Branch Breaker .....	4,452.17	252.91
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	151.72	
26 24 13 00-0031	EA 400 To 800 Amperes, 240 Volt, MC Branch Breaker .....	7,241.06	252.91
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	151.72	
26 24 13 00-0032	EA 600 To 1,200 Amperes, 240 Volt, MC Branch Breaker .....	11,709.55	450.72
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	270.43	

### 26 24 13 00-0033 Fusible Switch Type 480 Volt, 3 Phase, 3 Wire (26 24 13)

### 26 24 13 00-0034 Incoming Service Section Main Device Only (26 24 13 00-0033)

Note: Copper bus, non-metering type, with fuses.

26 24 13 00-0035	EA 400 Amperes, 480 Volt, 3 Phase, 3 Wire, Distribution Switchboard With Main Switch .....	5,350.74	1,025.17
26 24 13 00-0036	EA 600 Amperes, 480 Volt, 3 Phase, 3 Wire, Distribution Switchboard With Main Switch .....	6,017.01	1,025.17
26 24 13 00-0037	EA 800 Amperes, 480 Volt, 3 Phase, 3 Wire, Distribution Switchboard With Main Switch .....	9,233.22	1,332.27
26 24 13 00-0038	EA 1,200 Amperes, 480 Volt, 3 Phase, 3 Wire, Distribution Switchboard With Main Switch .....	10,520.85	1,332.27

### 26 24 13 00-0039 Fusible Switch Type 120/240 Volt, 1 Phase, 3 Wire (26 24 13)

### 26 24 13 00-0040 Incoming Service Section Main Device Only (26 24 13 00-0039)

Note: Copper bus, non-metering type, with fuses.

26 24 13 00-0041	EA 200/400 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Switch .....	3,391.73	700.01
26 24 13 00-0042	EA 600 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Switch .....	3,801.87	745.26
26 24 13 00-0043	EA 800 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Switch .....	6,035.78	857.89
26 24 13 00-0044	EA 1,200 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Switch .....	6,562.85	925.46
26 24 13 00-0045	EA 200/400 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With MC Main Breaker.....	4,261.29	700.01
26 24 13 00-0046	EA 600 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With MC Main Breaker.....	5,485.24	745.26
26 24 13 00-0047	EA 800 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With MC Main Breaker.....	7,841.78	857.89
26 24 13 00-0048	EA 1,200 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With MC Main Breaker.....	11,488.47	925.46
26 24 13 00-0049	EA 2,000 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With MC Main Breaker.....	13,522.78	1,038.72
26 24 13 00-0050	EA 200/400 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug.....	2,285.79	609.60
26 24 13 00-0051	EA 600 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug.....	2,582.55	654.93
26 24 13 00-0052	EA 800 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug.....	3,032.64	767.57
26 24 13 00-0053	EA 1,000 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug.....	3,281.27	803.61
26 24 13 00-0054	EA 1,200 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug.....	3,523.88	835.68
26 24 13 00-0055	EA 1,600 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug.....	3,833.56	893.93
26 24 13 00-0056	EA 2,000 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug.....	4,138.59	947.95
26 24 13 00-0057	EA 2,500 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug.....	5,139.67	1,174.21
26 24 13 00-0058	EA 3,000 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug.....	5,772.43	1,287.12
26 24 13 00-0059	EA 4,000 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug.....	6,885.79	1,388.73

### 26 24 13 00-0060 Branch Breaker Units (26 24 13 00-0039)

Note: Includes branch breaker(s) and portion of distribution section occupied by that breaker. 240 V, 2 pole. Use upper range to determine breaker unless designing for future expansion.

26 24 13 00-0061	EA 15 To 60 Amperes, 120 / 240 Volt, MC Branch Breaker .....	182.76	23.93
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.36	
26 24 13 00-0062	EA 70 To 100 Amperes, 120 / 240 Volt, MC Branch Breaker .....	289.07	39.74
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.85	
26 24 13 00-0063	EA 125 To 225 Amperes, 120 / 240 Volt, MC Branch Breaker .....	928.63	55.54
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	33.33	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 13 00-0064 EA 100 To 400 Amperes, 120 / 240 Volt, MC Branch Breaker.....	2,734.65	71.35
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>42.81</i>	
26 24 13 00-0065 EA 300 To 600 Amperes, 120/240 Volt, MC Branch Breaker.....	4,262.57	173.88
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>104.32</i>	
26 24 13 00-0066 EA 400 To 800 Amperes, 120/240 Volt, MC Branch Breaker.....	6,113.17	173.88
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>104.32</i>	
26 24 13 00-0067 EA 600 To 1,200 Amperes, 120/240 Volt, MC Branch Breaker.....	10,046.97	331.94
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>199.19</i>	
<b>26 24 13 00-0068 Fusible Switch Type 120/208 Volt, 3 Phase, 4 Wire (26 24 13)</b>		
<b>26 24 13 00-0069 Incoming Service Section Main Device Only (26 24 13 00-0068)</b>		
<i>Note: Copper bus, non-metering type, with fuses.</i>		
26 24 13 00-0070 EA 400 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch.....	3,761.51	790.06
26 24 13 00-0071 EA 600 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch.....	4,189.05	835.68
26 24 13 00-0072 EA 800 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch.....	7,064.98	947.95
26 24 13 00-0073 EA 1,200 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch.....	7,613.99	1,016.23
26 24 13 00-0074 EA 1,600 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch.....	12,622.18	1,083.52
26 24 13 00-0075 EA 2,000 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch.....	14,123.06	1,152.08
26 24 13 00-0076 EA 400 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker.....	4,677.51	790.06
26 24 13 00-0077 EA 600 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker.....	6,119.54	835.68
26 24 13 00-0078 EA 800 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker.....	8,692.35	948.76
26 24 13 00-0079 EA 1,200 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker.....	12,097.40	1,016.23
26 24 13 00-0080 EA 1,600 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker.....	12,624.25	1,084.61
26 24 13 00-0081 EA 2,000 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker.....	14,123.06	1,152.08
26 24 13 00-0082 EA 400 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	2,576.06	700.01
26 24 13 00-0083 EA 600 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	2,908.16	745.26
26 24 13 00-0084 EA 800 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	3,399.25	857.89
26 24 13 00-0085 EA 1,000 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	3,679.35	893.93
26 24 13 00-0086 EA 1,200 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	3,951.98	926.18
26 24 13 00-0087 EA 1,600 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	4,299.25	993.02
26 24 13 00-0088 EA 2,000 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	4,651.04	1,061.13
26 24 13 00-0089 EA 2,500 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	5,561.18	1,205.82
26 24 13 00-0090 EA 3,000 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	6,186.25	1,290.28
26 24 13 00-0091 EA 4,000 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	7,406.56	1,386.47
<b>26 24 13 00-0092 Branch Breaker Units (26 24 13 00-0068)</b>		
<i>Note: Includes branch breaker(s) and portion of distribution section occupied by that breaker. 120/208 V, 3 pole. Use upper range to determine breaker unless designing for future expansion.</i>		
26 24 13 00-0093 EA 15 To 60 Amperes, 120/208 Volt, MC Branch Breaker.....	352.37	27.55
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>16.53</i>	
26 24 13 00-0094 EA 70 To 100 Amperes, 120/208 Volt, MC Branch Breaker.....	514.06	43.36
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>26.01</i>	
26 24 13 00-0095 EA 125 To 225 Amperes, 120/208 Volt, MC Branch Breaker.....	1,408.51	79.03
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>47.42</i>	
26 24 13 00-0096 EA 100 To 400 Amperes, 120/208 Volt, MC Branch Breaker.....	2,528.47	102.97
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>61.78</i>	
26 24 13 00-0097 EA 300 To 600 Amperes, 120/208 Volt, MC Branch Breaker.....	4,452.17	252.91
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>151.72</i>	
26 24 13 00-0098 EA 400 To 800 Amperes, 120/208 Volt, MC Branch Breaker.....	7,241.06	252.91
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>151.72</i>	
26 24 13 00-0099 EA 600 To 1,200 Amperes, 120/208 Volt, MC Branch Breaker.....	11,709.55	450.72
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>270.43</i>	
<b>26 24 13 00-0100 Fusible Switch Type 277/480 Volt, 3 Phase, 4 Wire (26 24 13)</b>		
<b>26 24 13 00-0101 Incoming Service Section Main Device Only (26 24 13 00-0100)</b>		
<i>Note: Copper bus, non-metering type, with fuses.</i>		
26 24 13 00-0102 EA 400 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch.....	4,831.49	1,083.52
26 24 13 00-0103 EA 600 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch.....	5,330.89	1,152.08
26 24 13 00-0104 EA 800 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch.....	7,846.79	1,285.93
26 24 13 00-0105 EA 1,200 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch.....	8,599.11	1,376.89
26 24 13 00-0106 EA 400 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker.....	6,386.65	1,083.52
26 24 13 00-0107 EA 600 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker.....	8,816.54	1,152.08
26 24 13 00-0108 EA 800 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker.....	10,003.18	1,287.39
26 24 13 00-0109 EA 1,200 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker.....	12,818.68	1,376.89
26 24 13 00-0110 EA 1,600 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker.....	13,391.50	1,468.22
26 24 13 00-0111 EA 2,000 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker.....	14,937.80	1,559.44
26 24 13 00-0112 EA 400 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	2,576.06	700.01
26 24 13 00-0113 EA 600 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	2,908.16	745.26
26 24 13 00-0114 EA 800 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	3,399.25	857.89
26 24 13 00-0115 EA 1,000 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	3,679.35	893.93
26 24 13 00-0116 EA 1,200 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	3,951.98	926.18
26 24 13 00-0117 EA 1,600 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	4,299.25	993.02
26 24 13 00-0118 EA 2,000 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	4,651.04	1,061.13
<b>26 24 13 00-0119 Branch Breaker Units (26 24 13 00-0100)</b>		
<i>Note: Includes branch breaker(s) and portion of distribution section occupied by that breaker. 480 V, 3 pole. Use upper range to determine breaker unless designing for future expansion.</i>		

**26 Electrical**  
**26 20 Low-Voltage Electrical Distribution**  
**26 24 Switchboards and Panelboards**



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 13 00-0120	EA	15 To 60 Amperes, 480/277 Volt, MC Branch Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	751.85 16.53	27.55
26 24 13 00-0121	EA	70 To 100 Amperes, 480/277 Volt, MC Branch Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	857.79 26.01	43.36
26 24 13 00-0122	EA	125 To 225 Amperes, 480/277 Volt, MC Branch Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,555.29 47.42	79.03
26 24 13 00-0123	EA	100 To 400 Amperes, 480/277 Volt, MC Branch Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,528.47 61.78	102.97
26 24 13 00-0124	EA	300 To 600 Amperes, 480/277 Volt, MC Branch Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,053.79 151.72	252.91
26 24 13 00-0125	EA	400 To 800 Amperes, 480/277 Volt, MC Branch Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,196.85 151.72	252.91
26 24 13 00-0126	EA	600 To 1,200 Amperes, 480/277 Volt, MC Branch Breaker <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9,909.13 270.43	450.72
26 24 13 00-0127		<b>Fusible Branch Circuit Switch</b> <small>(26 24 13)</small> Note: Includes switch fuses, and portion of distribution section occupied by that branch device.		
26 24 13 00-0128		<b>240 Volt, 2 Pole Twin Branch Switch Units</b> <small>(26 24 13 00-0127)</small>		
26 24 13 00-0129	EA	30/30 Amperes, 240 Volt, 2 Pole Twin Branch Switch Unit <i>For Electrical Interlock Kit, Add</i>	742.27 324.82	70.90
26 24 13 00-0130	EA	30/60 Amperes, 240 Volt, 2 Pole Twin Branch Switch Unit <i>For Electrical Interlock Kit, Add</i>	739.49 324.82	70.90
26 24 13 00-0131	EA	60/60 Amperes, 240 Volt, 2 Pole Twin Branch Switch Unit <i>For Electrical Interlock Kit, Add</i>	739.49 324.82	70.90
26 24 13 00-0132	EA	60/100 Amperes, 240 Volt, 2 Pole Twin Branch Switch Unit <i>For Electrical Interlock Kit, Add</i>	1,174.16 324.82	93.49
26 24 13 00-0133	EA	100/100 Amperes, 240 Volt, 2 Pole Twin Branch Switch Unit <i>For Electrical Interlock Kit, Add</i>	1,174.16 324.82	93.49
26 24 13 00-0134		<b>240 Volt, 2 Pole Single Branch Switch Units</b> <small>(26 24 13 00-0127)</small>		
26 24 13 00-0135	EA	100 Amperes, 240 Volt, 2 Pole Single Branch Switch Unit <i>For Electrical Interlock Kit, Add</i>	857.87 311.17	69.55
26 24 13 00-0136	EA	200 Amperes, 240 Volt, 2 Pole Single Branch Switch Unit <i>For Electrical Interlock Kit, Add</i>	1,275.13 311.17	69.55
26 24 13 00-0137	EA	400 Amperes, 240 Volt, 2 Pole Single Branch Switch Unit	3,270.91	187.43
26 24 13 00-0138		<b>240 Volt, 3 Pole Twin Branch Switch Units</b> <small>(26 24 13 00-0127)</small>		
26 24 13 00-0139	EA	30/30 Amperes, 240 Volt, 3 Pole Twin Branch Switch Unit <i>For Electrical Interlock Kit, Add</i>	959.52 324.82	79.94
26 24 13 00-0140	EA	30/60 Amperes, 240 Volt, 3 Pole Twin Branch Switch Unit <i>For Electrical Interlock Kit, Add</i>	956.74 324.82	79.94
26 24 13 00-0141	EA	60/60 Amperes, 240 Volt, 3 Pole Twin Branch Switch Unit <i>For Electrical Interlock Kit, Add</i>	956.74 324.82	79.94
26 24 13 00-0142	EA	60/100 Amperes, 240 Volt, 3 Pole Twin Branch Switch Unit <i>For Electrical Interlock Kit, Add</i>	1,451.43 324.82	107.04
26 24 13 00-0143	EA	100/100 Amperes, 240 Volt, 3 Pole Twin Branch Switch Unit <i>For Electrical Interlock Kit, Add</i>	1,451.43 324.82	107.04
26 24 13 00-0144		<b>240 Volt, 3 Pole Single Branch Switch Units</b> <small>(26 24 13 00-0127)</small>		
26 24 13 00-0145	EA	100 Amperes, 240 Volt, 3 Pole Single Branch Switch Unit <i>For Electrical Interlock Kit, Add</i>	1,043.33 324.82	78.58
26 24 13 00-0146	EA	200 Amperes, 240 Volt, 3 Pole Single Branch Switch Unit <i>For Electrical Interlock Kit, Add</i>	1,723.54 311.17	78.58
26 24 13 00-0147	EA	400 Amperes, 240 Volt, 3 Pole Single Branch Switch Unit	4,412.14	209.82
26 24 13 00-0148	EA	600 Amperes, 240 Volt, 3 Pole Single Branch Switch Unit	6,324.29	268.81
26 24 13 00-0149	EA	800 Amperes, 240 Volt, 3 Pole Single Branch Switch Unit	11,875.00	364.18
26 24 13 00-0150		<b>600 Volt, 3 Pole Twin Branch Switch Units</b> <small>(26 24 13 00-0127)</small>		
26 24 13 00-0151	EA	30/30 Amperes, 600 Volt, 3 Pole Twin Branch Switch Unit <i>For Electrical Interlock Kit, Add</i>	1,380.73 324.82	79.94
26 24 13 00-0152	EA	30/60 Amperes, 600 Volt, 3 Pole Twin Branch Switch Unit <i>For Electrical Interlock Kit, Add</i>	1,377.92 324.82	79.94
26 24 13 00-0153	EA	60/60 Amperes, 600 Volt, 3 Pole Twin Branch Switch Unit <i>For Electrical Interlock Kit, Add</i>	1,380.73 324.82	79.94
26 24 13 00-0154	EA	60/100 Amperes, 600 Volt, 3 Pole Twin Branch Switch Unit <i>For Electrical Interlock Kit, Add</i>	2,086.97 324.82	107.04
26 24 13 00-0155	EA	100/100 Amperes, 600 Volt, 3 Pole Twin Branch Switch Unit <i>For Electrical Interlock Kit, Add</i>	2,134.00 324.82	107.04
26 24 13 00-0156	EA	200/200 Amperes, 600 Volt, 3 Pole Twin Branch Switch Unit <i>For Electrical Interlock Kit, Add</i>	4,610.82 324.82	140.01
26 24 13 00-0157		<b>600 Volt, 3 Pole, Single Branch Switch Units</b> <small>(26 24 13 00-0127)</small>		
26 24 13 00-0158	EA	100 Amperes, 600 Volt, 3 Pole Single Branch Switch Unit <i>For Electrical Interlock Kit, Add</i>	1,496.99 324.82	78.58
26 24 13 00-0159	EA	200 Amperes, 600 Volt, 3 Pole Single Branch Switch Unit <i>For Electrical Interlock Kit, Add</i>	2,299.48 311.17	78.58



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 13 00-0160 EA 400 Amperes, 600 Volt, 3 Pole Single Branch Switch Unit.....	5,580.38	209.82
<i>For Electrical Interlock Kit, Add</i>	311.17	
26 24 13 00-0161 EA 600 Amperes, 600 Volt, 3 Pole Single Branch Switch Unit.....	6,766.48	268.81
26 24 13 00-0162 EA 800 Amperes, 600 Volt, 3 Pole Single Branch Switch Unit.....	11,875.00	364.18
<b>26 24 13 00-0163 Service And Distribution Structures (26 24 13)</b>		
<b>26 24 13 00-0164 Distribution Section 600 Volt, 250 Volt DC (26 24 13 00-0163)</b>		
<b>26 24 13 00-0165 600 Amperes, 4 Wire, Main Bus (26 24 13 00-0164)</b>		
26 24 13 00-0166 EA 14 Watt Distribution Section, 600 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	2,313.35	830.97
26 24 13 00-0167 EA 24 To 30 Watt Distribution Section, 600 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	2,804.50	830.97
26 24 13 00-0168 EA 34 To 38 Watt Distribution Section, 600 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	3,122.20	1,056.78
26 24 13 00-0169 EA 42 To 48 Watt Distribution Section, 600 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	3,413.99	1,056.78
<b>26 24 13 00-0170 800 Amperes, 4 Wire, Main Bus (26 24 13 00-0164)</b>		
26 24 13 00-0171 EA 14 Watt Distribution Section, 800 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	2,578.90	961.94
26 24 13 00-0172 EA 24 To 30 Watt Distribution Section, 800 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	3,058.51	961.94
26 24 13 00-0173 EA 34 To 38 Watt Distribution Section, 800 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	3,413.99	1,192.28
26 24 13 00-0174 EA 42 To 48 Watt Distribution Section, 800 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	3,676.13	1,192.28
<b>26 24 13 00-0175 1,200 Amperes, 4 Wire, Main Bus (26 24 13 00-0164)</b>		
26 24 13 00-0176 EA 14 Watt Distribution Section, 1,200 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	2,989.90	1,174.21
26 24 13 00-0177 EA 24 To 30 Watt Distribution Section, 1,200 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	3,479.37	1,174.21
26 24 13 00-0178 EA 34 To 38 Watt Distribution Section, 1,200 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	3,855.34	1,445.18
26 24 13 00-0179 EA 42 To 48 Watt Distribution Section, 1,200 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	4,239.37	1,445.18
<b>26 24 13 00-0180 1,600 Amperes, 4 Wire, Main Bus (26 24 13 00-0164)</b>		
26 24 13 00-0181 EA 14 Watt Distribution Section, 1,600 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	3,819.71	1,287.12
26 24 13 00-0182 EA 24 To 30 Watt Distribution Section, 1,600 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	4,388.13	1,287.12
26 24 13 00-0183 EA 34 To 38 Watt Distribution Section, 1,600 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	4,830.10	1,589.70
26 24 13 00-0184 EA 42 To 48 Watt Distribution Section, 1,600 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	5,164.63	1,589.70
<b>26 24 13 00-0185 2,000 Amperes, 4 Wire, Main Bus (26 24 13 00-0164)</b>		
26 24 13 00-0186 EA 14 Watt Distribution Section, 2,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	3,987.17	1,291.63
26 24 13 00-0187 EA 24 To 30 Watt Distribution Section, 2,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	4,594.92	1,454.21
26 24 13 00-0188 EA 34 To 38 Watt Distribution Section, 2,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	4,714.30	1,454.21
26 24 13 00-0189 EA 42 To 48 Watt Distribution Section, 2,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	4,891.54	1,535.50
<b>26 24 13 00-0190 3,000 Amperes, 4 Wire, Main Bus (26 24 13 00-0164)</b>		
26 24 13 00-0191 EA 24 To 30 Watt Distribution Section, 3,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	5,729.98	1,454.21
26 24 13 00-0192 EA 34 To 38 Watt Distribution Section, 3,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	5,847.59	1,454.21
26 24 13 00-0193 EA 42 To 48 Watt Distribution Section, 3,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	6,024.83	1,535.50
<b>26 24 13 00-0194 4,000 Amperes, 4 Wire, Main Bus (26 24 13 00-0164)</b>		
26 24 13 00-0195 EA 24 To 30 Watt Distribution Section, 4,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	5,845.78	1,535.50
26 24 13 00-0196 EA 34 To 38 Watt Distribution Section, 4,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	6,024.83	1,535.50
26 24 13 00-0197 EA 42 To 48 Watt Distribution Section, 4,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	6,088.84	1,535.50
<b>26 24 13 00-0198 Pull Boy, Horizontal Mounted Across Top Of Switch Board (26 24 13 00-0164)</b>		
26 24 13 00-0199 EA 18 - 24" Wide, 30" High, Open Bottom, Pull Boy Horizontal Mounted, Top Of Switchboard.....	539.82	108.39
26 24 13 00-0200 EA Drilled Bottom For Pull Boy.....	607.59	108.39
26 24 13 00-0201 EA Cable Supports In Pull Box.....	228.37	27.10
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.05	
<b>26 24 13 00-0202 Underground Pull Sections (26 24 13 00-0164)</b>		
Note: Excludes no bus or terminal.		
26 24 13 00-0203 EA 12 To 20" Wide, 15 - 20" Deep, Underground Pull Section Without Bus Or Terminal.....	511.37	126.46
26 24 13 00-0204 EA 24 To 28" Wide, 20" Deep, Underground Pull Section Without Bus Or Terminal.....	911.24	162.58
26 24 13 00-0205 EA 24 To 28" Wide, 30" Deep, Underground Pull Section Without Bus Or Terminal.....	911.24	162.58
26 24 13 00-0206 EA 14 To 20" Wide, 36" Deep, Underground Pull Section Without Bus Or Terminal.....	672.90	126.46
26 24 13 00-0207 EA 28 To 30" Wide, 36" Deep, Underground Pull Section Without Bus Or Terminal.....	979.81	185.16
26 24 13 00-0208 EA 14 To 20" Wide, 42 - 60" Deep, Underground Pull Section Without Bus Or Terminal.....	1,111.48	185.16
26 24 13 00-0209 EA 26 To 30" Wide, 42 - 60" Deep, Underground Pull Section Without Bus Or Terminal.....	1,156.34	239.36
26 24 13 00-0210 EA 38" Wide, 42 - 60" Deep, Underground Pull Section Without Bus Or Terminal.....	1,210.99	239.36
<b>26 24 13 00-0211 Switchboard Sections (26 24 13 00-0163)</b>		
26 24 13 00-0212 EA 600 Amperes, 480 Volt, 4 Wire, Switchboard Incoming No Switch Circuit.....	4,233.73	752.67
26 24 13 00-0213 EA 800 Amperes, 480 Volt, 4 Wire, Switchboard Incoming No Switch Circuit.....	4,641.42	818.16
26 24 13 00-0214 EA 1,200 Amperes, 480 Volt, 4 Wire, Switchboard Incoming No Switch Circuit.....	5,807.68	1,045.41

**26 Electrical**  
**26 20 Low-Voltage Electrical Distribution**  
**26 24 Switchboards and Panelboards**



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 13 00-0215 EA 1,600 Amperes, 480 Volt, 4 Wire, Switchboard Incoming No Switch Circuit.....	6,353.65	1,140.42
26 24 13 00-0216 EA 2,000 Amperes, 480 Volt, 4 Wire, Switchboard Incoming No Switch Circuit.....	6,777.58	1,214.04
26 24 13 00-0217 EA 400 Amperes, 480 Volt, Switchboard Incoming For Switch Circuit Section .....	5,195.56	660.27
26 24 13 00-0218 EA 200 Amperes, Distribution Section Subfeeder Lug-Rated.....	2,788.69	627.21
26 24 13 00-0219 EA 400 Amperes, Distribution Section Subfeeder Lug-Rated.....	3,100.09	680.14
26 24 13 00-0220 EA 120/208 Or 277/480 Volt, 4 Wire, Distribution Section Aluminum Bus.....	7,319.62	752.67
26 24 13 00-0221 EA 800 Amperes, Switchboard Distribution Section Aluminum Bus Less Breaker.....	7,834.84	754.66
26 24 13 00-0222 EA 1,000 Amperes, Switchboard Distribution Section Aluminum Bus Less Breaker.....	8,590.50	842.54
26 24 13 00-0223 EA 15 To 60 Amperes, 240 Volt, 1 Phase, Feed Section Circuit Breaker FA Frame.....	148.88	45.16
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	27.58	
26 24 13 00-0224 EA 70 To 100 Amperes, 240 Volt, 3 Phase, Feed Section Circuit Breaker FA Frame.....	182.94	45.98
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	32.58	
26 24 13 00-0225 EA 70 To 225 Amperes, 480 Volt, 3 Phase, Feed Section Circuit Breaker KA Frame.....	937.82	54.28
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	70.20	
26 24 13 00-0226 EA 125 To 400 Amperes, 480 Volt, 3 Phase, Feed Section Circuit Breaker LA Frame.....	1,575.35	116.97
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	97.76	
26 24 13 00-0227 EA 100 Amperes, 240 Volt HIC, 3 Phase, Switchboard Feed Section Branch Circuit Breaker.....	607.30	162.94
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	56.45	
26 24 13 00-0228 EA 225 Amperes, 240 Volt HIC, 3 Phase, Switchboard Feed Section Branch Circuit Breaker.....	1,815.65	94.12
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	70.20	
<b>26 24 13 00-0229 Switchboard, Structure Per Section Copper, 480 Volt (26 24 13 00-0163)</b>		
26 24 13 00-0230 EA 225 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard.....	2,193.50	392.00
26 24 13 00-0231 EA 400 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard.....	3,138.83	530.11
26 24 13 00-0232 EA 600 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard.....	3,487.24	645.18
26 24 13 00-0233 EA 800 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard.....	4,337.27	903.24
26 24 13 00-0234 EA 1,200 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard.....	5,368.03	1,129.05
26 24 13 00-0235 EA 1,600 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard.....	5,994.45	1,129.05
26 24 13 00-0236 EA 2,000 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard.....	7,324.80	1,505.43
26 24 13 00-0237 EA 2,500 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard.....	8,525.93	1,505.43
26 24 13 00-0238 EA 3,000 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard.....	10,010.97	1,792.12
26 24 13 00-0239 EA 4,000 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard.....	12,221.16	1,792.12
<b>26 24 13 00-0240 Main Devices (26 24 13)</b>		
<b>26 24 13 00-0241 Power Circuit Breakers (26 24 13 00-0240)</b>		
<b>26 24 13 00-0242 DSL Breaker With Current Limiters And Amprector (26 24 13 00-0241)</b>		
Note: 11 Static trip not applicable to ground-fault or plug in test feature. Manually operated.		
26 24 13 00-0243 EA 50 To 800 Amperes, DSL-206, Main Breaker With Current Limiter, Amprector Static Trip.....	7,990.42	948.40
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	567.83	
26 24 13 00-0244 EA 50 To 1,600 Amperes, DSL-416, Main Breaker With Current Limiter, Amprector Static Trip.....	14,681.68	1,580.67
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	947.45	
26 24 13 00-0245 EA 1,200 To 3,200 Amperes, DSL-632, Main Breaker With Current Limiter, Amprector Static Trip.....	33,699.09	2,655.52
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,579.09	
26 24 13 00-0246 EA 4,000 Amperes, DSL-840, Main Breaker With Current Limiter, Amprector Static Trip.....	54,194.17	4,299.41
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2,625.69	
26 24 13 00-0247 EA Ground-Fault Trip All Power Breakers - Factory Installed.....	3,007.84	
26 24 13 00-0248 EA Key Interlock All Power Breakers - Factory Installed.....	388.45	
26 24 13 00-0249 EA Short Time Delay Selective Trip - Factory Installed.....	509.62	
26 24 13 00-0250 EA Shunt Trip Manually Open Breakers - Factory Installed.....	367.07	
<b>26 24 13 00-0251 DSL Breaker Electrical Operated And Amprector (26 24 13 00-0241)</b>		
Note: 11 Static trip not applicable to ground-fault or plug in test feature. Manually operated.		
26 24 13 00-0252 EA 50 To 800 Amperes, DSL-206, Main Breaker, Electrical Operated With Amprector Static Trip.....	9,437.73	993.56
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	598.96	
26 24 13 00-0253 EA 50 To 1,600 Amperes, DSL-416, Main Breaker, Electrical Operated With Amprector Static Trip.....	17,662.73	1,670.99
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	997.68	
26 24 13 00-0254 EA 1,200 To 3,200 Amperes, DSL-632, Main Breaker, Electrical Operated With Amprector Static Trip.....	37,988.18	2,754.87
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,660.36	
26 24 13 00-0255 EA 4,000 Amperes, DSL-840, Main Breaker, Electrical Operated With Amprector Static Trip.....	58,427.64	4,516.19
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2,776.34	
<b>26 24 13 00-0256 DS Breakers With Amprector Static Trip, Manually Operated (26 24 13 00-0241)</b>		
Note: Includes integral ground fault and plug-in test provision. Excludes system, add price from section drawout mounted manually operated.		
26 24 13 00-0257 EA 50 To 800 Amperes, DS-206, Main Breaker With Groundfault, Amprector Static Trip.....	6,280.82	867.11
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	521.10	
26 24 13 00-0258 EA 50 To 1,600 Amperes, DS-416, Main Breaker With Groundfault, Amprector Static Trip.....	11,588.85	1,454.21
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	868.50	
26 24 13 00-0259 EA 2,000 Amperes, DS-420, Main Breaker With Groundfault, Amprector Static Trip.....	16,993.54	2,438.74
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,447.49	
26 24 13 00-0260 EA 1,200 To 3,200 Amperes, DS-632, Main Breaker With Groundfault, Amprector Static Trip.....	29,427.56	3,929.08
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2,410.78	
26 24 13 00-0261 EA 4,000 Amperes, DS-840, Main Breaker With Groundfault, Amprector Static Trip.....	47,791.26	6,412.98
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4,008.45	



<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Low-Voltage Electrical Distribution</b>	<b>26 20</b>	
<b>Switchboards and Panelboards</b>	<b>26 24</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>26 24 13 00-0262 DS Breakers With Amprector Static Trip, Electrically Operated</b> <small>(26 24 13 00-0241)</small>		
Note: Includes integral ground fault and plug-in test provision. Excludes system, add price from section drawout mounted electrical operated.		
26 24 13 00-0263 EA 50 To 800 Amperes, DS-206, Main Breaker, Electrical Operated With Groundfault, Amprector Static Trip .....	7,544.08	830.97
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>497.01</i>	
26 24 13 00-0264 EA 50 To 1,600 Amperes, DS-416, Main Breaker, Electrical Operated With Groundfault, Amprector Static Trip .....	14,193.15	1,390.99
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>828.15</i>	
26 24 13 00-0265 EA 2,000 Amperes, DS-420, Main Breaker, Electrical Operated With Groundfault, Amprector Static Trip.....	19,978.97	2,312.29
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>1,382.51</i>	
26 24 13 00-0266 EA 1,200 To 3,200 Amperes, DS-632, Main Breaker, Electrical Operated With Groundfault, Amprector Static Trip .....	32,947.85	3,766.50
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>2,304.18</i>	
26 24 13 00-0267 EA 4,000 Amperes, DS-840, Main Breaker, Electrical Operated With Groundfault, Amprector Static Trip.....	51,242.38	6,458.15
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>3,849.02</i>	
<b>26 24 13 00-0268 Molded Case Circuit Breakers Conventional</b> <small>(26 24 13 00-0241)</small>		
26 24 13 00-0269 EA 70 To 225 Amperes, 3 Pole, Conventional Molded Case Circuit Breaker.....	2,420.83	758.72
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>437.05</i>	
26 24 13 00-0270 EA 125 To 400 Amperes, 3 Pole, Conventional Molded Case Circuit Breaker.....	3,728.25	758.72
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>475.39</i>	
26 24 13 00-0271 EA 300 To 600 Amperes, 3 Pole, Conventional Molded Case Circuit Breaker.....	4,142.55	903.24
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>521.10</i>	
26 24 13 00-0272 EA 400 To 800 Amperes, 3 Pole, Conventional Molded Case Circuit Breaker.....	4,987.58	903.24
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>564.52</i>	
26 24 13 00-0273 EA 600 To 1,200 Amperes, 3 Pole, Conventional Molded Case Circuit Breaker.....	7,653.77	1,083.89
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>618.66</i>	
26 24 13 00-0274 EA 1,000 To 2,000 Amperes, 3 Pole, Conventional Molded Case Circuit Breaker.....	12,731.72	1,083.89
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>684.27</i>	
26 24 13 00-0275 EA Shunt Trip, Factory Installed.....	384.89	
26 24 13 00-0276 EA Groundfault Trip Complete Interrupting Circuit, Factory Installed .....	89.09	
<b>26 24 13 00-0277 Switchboard Branch Breaker 480 Volt</b> <small>(26 24 13 00-0240)</small>		
26 24 13 00-0278 EA 60 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker.....	563.79	65.48
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>39.27</i>	
26 24 13 00-0279 EA 100 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker.....	658.29	86.89
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>52.11</i>	
26 24 13 00-0280 EA 225 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker.....	1,987.27	130.79
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>78.50</i>	
26 24 13 00-0281 EA 400 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker.....	2,632.96	164.12
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>98.46</i>	
26 24 13 00-0282 EA 600 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker.....	3,171.90	220.12
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>132.05</i>	
26 24 13 00-0283 EA 800 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker.....	3,819.24	282.26
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>169.36</i>	
26 24 13 00-0284 EA 1,000 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker.....	6,159.66	430.13
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>258.07</i>	
26 24 13 00-0285 EA 1,200 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker.....	6,159.66	430.13
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>258.07</i>	
26 24 13 00-0286 EA 1,600 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker.....	8,640.07	602.19
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>361.29</i>	
26 24 13 00-0287 EA 2,000 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker.....	10,675.32	903.24
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>541.94</i>	
<b>26 24 13 00-0288 Switchboard 277/480 Volt Main Breaker</b> <small>(26 24 13 00-0240)</small>		
26 24 13 00-0289 EA 400 Amperes, 277/480 Volt, Main Breaker, Switchboard .....	7,063.02	392.00
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>235.22</i>	
26 24 13 00-0290 EA 600 Amperes, 277/480 Volt, Main Breaker, Switchboard .....	7,137.55	429.31
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>257.58</i>	
26 24 13 00-0291 EA 800 Amperes, 277/480 Volt, Main Breaker, Switchboard .....	7,559.30	645.18
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>387.10</i>	
26 24 13 00-0292 EA 1,200 Amperes, 277/480 Volt, Main Breaker, Switchboard .....	13,086.44	903.24
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>541.94</i>	
26 24 13 00-0293 EA 1,600 Amperes, 277/480 Volt, Main Breaker, Switchboard .....	13,278.27	999.16
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>599.49</i>	
26 24 13 00-0294 EA 2,000 Amperes, 277/480 Volt, Main Breaker, Switchboard .....	17,200.01	1,792.12
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>1,075.28</i>	
<b>26 24 13 00-0295 Branch Or Distribution Devices</b> <small>(26 24 13)</small>		
<b>26 24 13 00-0296 3 Pole, Panel Mounted, Molded Case Circuit Breakers</b> <small>(26 24 13 00-0295)</small>		
Note: Includes certified refurbished circuit breakers.		
26 24 13 00-0297 EA 15 To 60 Amperes, 600 Volt, Type EHB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker .....	617.04	32.52
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>21.68</i>	
26 24 13 00-0298 EA 70 To 100 Amperes, 600 Volt, Type EHB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker .....	616.05	40.65
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>27.10</i>	
26 24 13 00-0299 EA 125 To 150 Amperes, 600 Volt, Type FB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker.....	1,527.11	48.77
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>32.52</i>	
26 24 13 00-0300 EA 70 To 225 Amperes, 600 Volt, Type JDB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker.....	2,221.50	63.23
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>42.00</i>	

**26 Electrical**  
**26 20 Low-Voltage Electrical Distribution**  
**26 24 Switchboards and Panelboards**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 13 00-0301	EA		125 To 400 Amperes, 600 Volt, Type LBB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker.....	3,141.85	78.04
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	52.03	
26 24 13 00-0302	EA		300 To 600 Amperes, 600 Volt, Type LC, 3 Pole, Panel Mounted, Molded Case Circuit Breaker.....	4,124.87	91.23
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	60.97	
26 24 13 00-0303	EA		900 To 1,000 Amperes, 600 Volt, Type NB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker.....	6,329.93	102.97
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	68.83	
<b>26 24 13 00-0304</b>			<b>2 Pole, Panel Mounted, Molded Case Circuit Breakers</b> <small>(26 24 13 00-0295)</small>		
			Note: Includes certified refurbished circuit breakers.		
26 24 13 00-0305	EA		15 To 60 Amperes, 600 Volt, Type EHB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker.....	423.35	24.39
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.26	
26 24 13 00-0306	EA		70 To 100 Amperes, 600 Volt, Type EHB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker.....	542.86	32.52
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.68	
26 24 13 00-0307	EA		125 To 150 Amperes, 600 Volt, Type FB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker.....	1,528.97	40.65
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.10	
26 24 13 00-0308	EA		70 To 225 Amperes, 600 Volt, Type JDB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker.....	2,440.43	45.16
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29.81	
26 24 13 00-0309	EA		125 To 400 Amperes, 600 Volt, Type LBB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker.....	2,568.23	58.71
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	39.29	
26 24 13 00-0310	EA		900 To 1,000 Amperes, 600 Volt, Type NB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker.....	5,864.55	85.35
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	56.90	
<b>26 24 13 00-0311</b>			<b>Meter Devices And Instrumentation</b> <small>(26 24 13)</small>		
			Note: Factory installed accessories.		
<b>26 24 13 00-0312</b>			<b>Compartments For Instrument Transformers And Metering Devices</b> <small>(26 24 13 00-0311)</small>		
26 24 13 00-0313	EA		Compartment For, Up To 800 Amperes, Primary Current Transformer.....	465.07	
26 24 13 00-0314	EA		Compartment For, 1,000 To 1,500 Amperes, Primary Current Transformer.....	671.77	
26 24 13 00-0315	EA		Compartment For, 2,000 To 6,000 Amperes, Primary Current Transformer.....	791.16	
<b>26 24 13 00-0316</b>			<b>Instruments</b> <small>(26 24 13 00-0311)</small>		
26 24 13 00-0317	EA		AC Voltmeter.....	634.35	
26 24 13 00-0318	EA		AC Ammeter.....	634.35	
26 24 13 00-0319	EA		AC Wattmeter.....	1,694.58	
26 24 13 00-0320	EA		Variometer.....	1,913.75	
26 24 13 00-0321	EA		Power Factor Meter.....	1,528.87	
26 24 13 00-0322	EA		Frequency Meter.....	1,687.45	
26 24 13 00-0323	EA		200 Volt-Amperes Max Potential Transformer.....	570.21	
26 24 13 00-0324	EA		AC Watt-hour Meter Indicating 1 Or 2 Element With Test Block And Plug Block.....	2,147.18	
26 24 13 00-0325	EA		AC Watt-hour Meter Recording 2 Element With Recording KW Demand Type R-2.....	3,592.30	
26 24 13 00-0326	EA		Weatherproof, Modify Meter.....	3,288.71	
26 24 13 00-0327	EA		Control Switch Resistor Type 130 V.....	72.39	
26 24 13 00-0328	EA		Metering Instrument: Voltage, Amperes And Watt Hour.....	4,333.22	
<b>26 24 16</b>			<b>Panelboards</b> <small>(26 24)</small>		
<b>26 24 16 00-0001</b>			<b>Branch Circuit Panelboard</b> <small>(26 24 16)</small>		
			Note: Includes wiring connections, drilling hole (or removing knock-out on residential units), labeling and testing. All NEMA 3R panelboards include weatherproof hubs. Copper bussing. Panelboards with less than a 30 circuit capacity do not have the door in a door trim front option.		
<b>26 24 16 00-0002</b>			<b>Assembled Lighting And Power Panelboards</b> <small>(26 24 16 00-0001)</small>		
			Note: Includes main lugs or breaker (as indicated). 20 Amp, 1 pole branch circuit plug-on breakers (the number of which is indicated). Panelboard box, trim and connection of main service cable from meter.		
<b>26 24 16 00-0003</b>			<b>120/240 Volt, 3 Wire, 1 Phase, Main Lugs Assembled Panelboards</b> <small>(26 24 16 00-0002)</small>		
26 24 16 00-0004	EA		100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 12 Circuit Capacity Assembled Panelboard With Eight 20 Ampere Breakers.....	1,145.86	257.42
			<i>For NEMA 3R Panelboard, Add</i>	1,523.32	
26 24 16 00-0005	EA		100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Ten 20 Ampere Breakers.....	1,293.43	257.42
			<i>For NEMA 3R Panelboard, Add</i>	1,523.32	
26 24 16 00-0006	EA		100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Twelve 20 Ampere Breakers.....	1,461.24	356.78
			<i>For NEMA 3R Panelboard, Add</i>	1,523.32	
26 24 16 00-0007	EA		100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Fourteen 20 Ampere Breakers.....	1,633.77	356.78
			<i>For NEMA 3R Panelboard, Add</i>	1,523.32	
26 24 16 00-0008	EA		100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Sixteen 20 Ampere Breakers.....	1,793.91	447.11
			<i>For NEMA 3R Panelboard, Add</i>	1,523.32	
26 24 16 00-0009	EA		100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 24 Circuit Capacity Assembled Panelboard With Eighteen 20 Ampere Breakers.....	1,958.32	447.11
			<i>For NEMA 3R Panelboard, Add</i>	1,523.32	
26 24 16 00-0010	EA		100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 24 Circuit Capacity Assembled Panelboard With Twenty 20 Ampere Breakers.....	2,117.83	514.85
			<i>For NEMA 3R Panelboard, Add</i>	1,523.32	



<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Low-Voltage Electrical Distribution</b>	<b>26 20</b>	
<b>Switchboards and Panelboards</b>	<b>26 24</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0011 EA 225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Two 20 Ampere Breakers.....	2,530.93	659.37
For NEMA 3R Panelboard, Add	1,675.24	
For Door-In-Door (Hinged) Trim Front, Add	122.41	
26 24 16 00-0012 EA 225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Four 20 Ampere Breakers.....	2,655.09	659.37
For NEMA 3R Panelboard, Add	1,675.24	
For Door-In-Door (Hinged) Trim Front, Add	122.41	
26 24 16 00-0013 EA 225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Six 20 Ampere Breakers.....	2,781.52	754.21
For NEMA 3R Panelboard, Add	1,675.24	
For Door-In-Door (Hinged) Trim Front, Add	122.41	
26 24 16 00-0014 EA 225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Twenty-Eight 20 Ampere Breakers.....	2,987.83	754.21
For NEMA 3R Panelboard, Add	1,978.86	
For Door-In-Door (Hinged) Trim Front, Add	209.06	
26 24 16 00-0015 EA 225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers.....	3,117.19	849.04
For NEMA 3R Panelboard, Add	1,978.86	
For Door-In-Door (Hinged) Trim Front, Add	209.06	
26 24 16 00-0016 EA 225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers.....	3,304.79	849.04
For NEMA 3R Panelboard, Add	1,978.86	
For Door-In-Door (Hinged) Trim Front, Add	209.06	
26 24 16 00-0017 EA 225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers.....	3,414.00	939.37
For NEMA 3R Panelboard, Add	1,978.86	
For Door-In-Door (Hinged) Trim Front, Add	209.06	
26 24 16 00-0018 EA 225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers.....	3,609.88	939.37
For NEMA 3R Panelboard, Add	1,978.86	
For Door-In-Door (Hinged) Trim Front, Add	209.06	
26 24 16 00-0019 EA 225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers.....	3,783.47	1,038.72
For NEMA 3R Panelboard, Add	1,978.86	
For Door-In-Door (Hinged) Trim Front, Add	209.06	
26 24 16 00-0020 EA 225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers.....	3,909.25	1,038.72
For NEMA 3R Panelboard, Add	2,059.59	
For Door-In-Door (Hinged) Trim Front, Add	267.20	
26 24 16 00-0021 EA 225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers.....	4,077.71	1,038.72
For NEMA 3R Panelboard, Add	2,059.59	
For Door-In-Door (Hinged) Trim Front, Add	267.20	
<b>26 24 16 00-0022 120/240 Volt, 3 Wire, 1 Phase, Main Breaker Assembled Panelboards <small>(26 24 16 00-0022)</small></b>		
26 24 16 00-0023 EA 50 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Up To 50 Ampere Main Breaker, 12 Circuit Capacity Assembled Panelboard With Eight 20 Ampere Breakers.....	1,393.53	248.39
For NEMA 3R Panelboard, Add	1,523.32	
26 24 16 00-0024 EA 50 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Up To 50 Ampere Main Breaker, 12 Circuit Capacity Assembled Panelboard With Ten 20 Ampere Breakers.....	1,543.05	248.39
For NEMA 3R Panelboard, Add	1,523.32	
26 24 16 00-0025 EA 100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >50 To 100 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Twelve 20 Ampere Breakers.....	1,874.49	424.52
For NEMA 3R Panelboard, Add	1,523.32	
26 24 16 00-0026 EA 100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >50 To 100 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Fourteen 20 Ampere Breakers.....	2,130.02	424.52
For NEMA 3R Panelboard, Add	1,523.32	
26 24 16 00-0027 EA 100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >50 To 100 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Sixteen 20 Ampere Breakers.....	2,293.61	519.36
For NEMA 3R Panelboard, Add	1,523.32	
26 24 16 00-0028 EA 100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >50 To 100 Ampere Main Breaker, 24 Circuit Capacity Assembled Panelboard With Eighteen 20 Ampere Breakers.....	2,463.35	519.36
For NEMA 3R Panelboard, Add	1,523.32	
26 24 16 00-0029 EA 100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >50 To 100 Ampere Main Breaker, 24 Circuit Capacity Assembled Panelboard With Twenty 20 Ampere Breakers.....	2,615.68	623.23
For NEMA 3R Panelboard, Add	1,523.32	
26 24 16 00-0030 EA 225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Two 20 Ampere Breakers.....	3,174.90	623.23
For NEMA 3R Panelboard, Add	1,675.24	
For Door-In-Door (Hinged) Trim Front, Add	122.41	
26 24 16 00-0031 EA 225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Four 20 Ampere Breakers.....	3,308.45	763.23
For NEMA 3R Panelboard, Add	1,675.24	
For Door-In-Door (Hinged) Trim Front, Add	122.41	
26 24 16 00-0032 EA 225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Six 20 Ampere Breakers.....	3,452.25	763.23
For NEMA 3R Panelboard, Add	1,675.24	
For Door-In-Door (Hinged) Trim Front, Add	122.41	
26 24 16 00-0033 EA 225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Twenty-Eight 20 Ampere Breakers.....	3,608.34	858.08
For NEMA 3R Panelboard, Add	1,978.86	
For Door-In-Door (Hinged) Trim Front, Add	209.06	

**26 Electrical**  
**26 20 Low-Voltage Electrical Distribution**  
**26 24 Switchboards and Panelboards**



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0034	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers.....	3,737.69	858.08
		<i>For NEMA 3R Panelboard, Add</i>	1,978.86	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	209.06	
26 24 16 00-0035	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers.....	3,874.63	939.37
		<i>For NEMA 3R Panelboard, Add</i>	1,978.86	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	209.06	
26 24 16 00-0036	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers.....	4,020.33	939.37
		<i>For NEMA 3R Panelboard, Add</i>	1,978.86	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	209.06	
26 24 16 00-0037	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers.....	4,176.20	1,110.99
		<i>For NEMA 3R Panelboard, Add</i>	1,978.86	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	209.06	
26 24 16 00-0038	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers.....	4,344.01	1,110.99
		<i>For NEMA 3R Panelboard, Add</i>	1,978.86	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	209.06	
26 24 16 00-0039	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers.....	4,525.91	1,110.99
		<i>For NEMA 3R Panelboard, Add</i>	2,059.59	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	267.20	
26 24 16 00-0040	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers.....	4,642.18	1,174.21
		<i>For NEMA 3R Panelboard, Add</i>	2,059.59	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	267.20	
<b>26 24 16 00-0041</b>		<b>120/208 Volt, 4 Wire, 3 Phase, Main Lugs Assembled Panelboards</b> <small>(26 24 16 00-0002)</small>		
26 24 16 00-0042	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 12 Circuit Capacity Assembled Panelboard With Eight 20 Ampere Breakers.....	1,392.54	293.55
		<i>For NEMA 3R Panelboard, Add</i>	1,523.32	
26 24 16 00-0043	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Ten 20 Ampere Breakers.....	1,554.47	293.55
		<i>For NEMA 3R Panelboard, Add</i>	1,523.32	
26 24 16 00-0044	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Twelve 20 Ampere Breakers.....	1,740.01	392.91
		<i>For NEMA 3R Panelboard, Add</i>	1,523.32	
26 24 16 00-0045	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Fourteen 20 Ampere Breakers.....	1,937.30	392.91
		<i>For NEMA 3R Panelboard, Add</i>	1,523.32	
26 24 16 00-0046	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Sixteen 20 Ampere Breakers.....	2,112.63	483.23
		<i>For NEMA 3R Panelboard, Add</i>	1,523.32	
26 24 16 00-0047	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 24 Circuit Capacity Assembled Panelboard With Eighteen 20 Ampere Breakers.....	2,299.16	483.23
		<i>For NEMA 3R Panelboard, Add</i>	1,523.32	
26 24 16 00-0048	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 24 Circuit Capacity Assembled Panelboard With Twenty 20 Ampere Breakers.....	2,476.18	573.55
		<i>For NEMA 3R Panelboard, Add</i>	1,523.32	
26 24 16 00-0049	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Two 20 Ampere Breakers.....	2,654.23	573.55
		<i>For NEMA 3R Panelboard, Add</i>	1,675.24	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	122.41	
26 24 16 00-0050	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Four 20 Ampere Breakers.....	2,825.25	672.92
		<i>For NEMA 3R Panelboard, Add</i>	1,675.24	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	122.41	
26 24 16 00-0051	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Six 20 Ampere Breakers.....	3,022.29	672.92
		<i>For NEMA 3R Panelboard, Add</i>	1,675.24	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	122.41	
26 24 16 00-0052	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Eight 20 Ampere Breakers.....	3,218.37	776.78
		<i>For NEMA 3R Panelboard, Add</i>	1,675.24	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	122.41	
26 24 16 00-0053	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers.....	3,415.37	776.78
		<i>For NEMA 3R Panelboard, Add</i>	1,675.24	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	122.41	
26 24 16 00-0054	EA	225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers.....	3,794.31	939.37
		<i>For NEMA 3R Panelboard, Add</i>	1,978.86	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	209.06	
26 24 16 00-0055	EA	225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers.....	3,918.45	939.37
		<i>For NEMA 3R Panelboard, Add</i>	1,978.86	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	209.06	
26 24 16 00-0056	EA	225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers.....	4,150.97	1,043.23
		<i>For NEMA 3R Panelboard, Add</i>	1,978.86	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	209.06	





<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Low-Voltage Electrical Distribution</b>	<b>26 20</b>	
<b>Switchboards and Panelboards</b>	<b>26 24</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0057 EA 225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers ..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	4,354.51 1,978.86 209.06	1,043.23
26 24 16 00-0058 EA 225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers ..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	4,505.05 2,059.59 267.20	1,138.08
26 24 16 00-0059 EA 225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers ..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	4,700.69 2,059.59 267.20	1,138.08
26 24 16 00-0060 EA 400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers ..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	4,663.36 1,978.86 209.06	1,009.82
26 24 16 00-0061 EA 400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers ..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	4,800.66 1,978.86 209.06	1,061.31
26 24 16 00-0062 EA 400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers ..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	5,042.31 1,978.86 209.06	1,117.76
26 24 16 00-0063 EA 400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers ..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	5,259.12 1,978.86 209.06	1,183.24
26 24 16 00-0064 EA 400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers ..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	5,417.21 2,059.59 267.20	1,219.37
26 24 16 00-0065 EA 400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers ..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	5,660.67 2,059.59 267.20	1,293.89
<b>26 24 16 00-0066 120/208 Volt, 4 Wire, 3 Phase, Main Breaker Assembled Panelboards</b> <small>(26 24 16 00-0002)</small>		
26 24 16 00-0067 EA 50 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Up To 50 Ampere Main Breaker, 12 Circuit Capacity Assembled Panelboard With Eight 20 Ampere Breakers ..... <i>For NEMA 3R Panelboard, Add</i>	1,700.17 1,523.32	284.52
26 24 16 00-0068 EA 50 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Up To 50 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Ten 20 Ampere Breakers ..... <i>For NEMA 3R Panelboard, Add</i>	1,863.94 1,523.32	284.52
26 24 16 00-0069 EA 50 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Up To 50 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Twelve 20 Ampere Breakers ..... <i>For NEMA 3R Panelboard, Add</i>	2,063.02 1,523.32	374.84
26 24 16 00-0070 EA 50 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Up To 50 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Fourteen 20 Ampere Breakers ..... <i>For NEMA 3R Panelboard, Add</i>	2,355.51 1,523.32	374.84
26 24 16 00-0071 EA 100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Sixteen 20 Ampere Breakers ..... <i>For NEMA 3R Panelboard, Add</i>	2,732.92 1,523.32	564.52
26 24 16 00-0072 EA 100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 24 Circuit Capacity Assembled Panelboard With Eighteen 20 Ampere Breakers ..... <i>For NEMA 3R Panelboard, Add</i>	2,905.42 1,523.32	564.52
26 24 16 00-0073 EA 100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 24 Circuit Capacity Assembled Panelboard With Twenty 20 Ampere Breakers ..... <i>For NEMA 3R Panelboard, Add</i>	3,089.64 1,523.32	659.37
26 24 16 00-0074 EA 100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Two 20 Ampere Breakers ..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	3,239.71 1,675.24 122.41	659.37
26 24 16 00-0075 EA 100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Four 20 Ampere Breakers ..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	3,447.97 1,675.24 122.41	763.23
26 24 16 00-0076 EA 100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Six 20 Ampere Breakers ..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	3,583.86 1,675.24 122.41	763.23
26 24 16 00-0077 EA 100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Eight 20 Ampere Breakers ..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	3,819.32 1,675.24 122.41	858.08
26 24 16 00-0078 EA 100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers ..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	4,025.32 1,675.24 122.41	858.08
26 24 16 00-0079 EA 225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers ..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	4,758.00 1,978.86 209.06	993.56

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 24 Switchboards and Panelboards**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-080	EA	225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers.....	4,960.83	1,047.76
		<i>For NEMA 3R Panelboard, Add</i>	1,978.86	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	209.06	
26 24 16 00-081	EA	225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers.....	5,042.68	1,047.76
		<i>For NEMA 3R Panelboard, Add</i>	1,978.86	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	209.06	
26 24 16 00-082	EA	225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers.....	5,268.02	1,183.24
		<i>For NEMA 3R Panelboard, Add</i>	1,978.86	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	209.06	
26 24 16 00-083	EA	225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers.....	5,432.08	1,183.24
		<i>For NEMA 3R Panelboard, Add</i>	2,059.59	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	267.20	
26 24 16 00-084	EA	225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers.....	5,530.06	1,183.24
		<i>For NEMA 3R Panelboard, Add</i>	2,059.59	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	267.20	
26 24 16 00-085	EA	400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >225 To 400 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers.....	5,650.34	1,088.40
		<i>For NEMA 3R Panelboard, Add</i>	1,978.86	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	209.06	
26 24 16 00-086	EA	400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >225 To 400 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers.....	5,869.95	1,151.63
		<i>For NEMA 3R Panelboard, Add</i>	1,978.86	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	209.06	
26 24 16 00-087	EA	400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >225 To 400 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers.....	5,954.04	1,183.24
		<i>For NEMA 3R Panelboard, Add</i>	1,978.86	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	209.06	
26 24 16 00-088	EA	400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >225 To 400 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers.....	6,195.90	1,255.50
		<i>For NEMA 3R Panelboard, Add</i>	1,978.86	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	209.06	
26 24 16 00-089	EA	400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >225 To 400 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers.....	6,358.54	1,291.63
		<i>For NEMA 3R Panelboard, Add</i>	2,059.59	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	267.20	
26 24 16 00-090	EA	400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >225 To 400 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers.....	6,504.48	1,336.80
		<i>For NEMA 3R Panelboard, Add</i>	2,059.59	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	267.20	
<b>26 24 16 00-0091</b>		<b>480 Volt, 3 Wire, 3 Phase, Main Lugs Assembled Panelboards (26 24 16 00-0002)</b>		
26 24 16 00-0092	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 12 Circuit Capacity Assembled Panelboard With Eight 20 Ampere Breakers.....	1,599.31	289.04
		<i>For NEMA 3R Panelboard, Add</i>	1,523.32	
26 24 16 00-0093	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Ten 20 Ampere Breakers.....	1,817.59	289.04
		<i>For NEMA 3R Panelboard, Add</i>	1,523.32	
26 24 16 00-0094	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Twelve 20 Ampere Breakers.....	2,028.12	397.43
		<i>For NEMA 3R Panelboard, Add</i>	1,523.32	
26 24 16 00-0095	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Fourteen 20 Ampere Breakers.....	2,246.38	397.43
		<i>For NEMA 3R Panelboard, Add</i>	1,523.32	
26 24 16 00-0096	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Sixteen 20 Ampere Breakers.....	2,451.99	496.78
		<i>For NEMA 3R Panelboard, Add</i>	1,523.32	
26 24 16 00-0097	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 24 Circuit Capacity Assembled Panelboard With Eighteen 20 Ampere Breakers.....	2,667.00	496.78
		<i>For NEMA 3R Panelboard, Add</i>	1,523.32	
26 24 16 00-0098	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 24 Circuit Capacity Assembled Panelboard With Twenty 20 Ampere Breakers.....	2,890.05	600.65
		<i>For NEMA 3R Panelboard, Add</i>	1,523.32	
26 24 16 00-0099	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Two 20 Ampere Breakers.....	3,097.03	600.65
		<i>For NEMA 3R Panelboard, Add</i>	1,675.24	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	122.41	
26 24 16 00-0100	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Four 20 Ampere Breakers.....	3,321.54	713.56
		<i>For NEMA 3R Panelboard, Add</i>	1,675.24	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	122.41	
26 24 16 00-0101	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Six 20 Ampere Breakers.....	3,539.35	713.56
		<i>For NEMA 3R Panelboard, Add</i>	1,675.24	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	122.41	
26 24 16 00-0102	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Eight 20 Ampere Breakers.....	3,742.06	812.91
		<i>For NEMA 3R Panelboard, Add</i>	1,675.24	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	122.41	



<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Low-Voltage Electrical Distribution</b>	<b>26 20</b>	
<b>Switchboards and Panelboards</b>	<b>26 24</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0103 EA 100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers.....	3,957.07	812.91
For NEMA 3R Panelboard, Add	1,675.24	
For Door-In-Door (Hinged) Trim Front, Add	122.41	
26 24 16 00-0104 EA 225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers.....	4,403.97	989.04
For NEMA 3R Panelboard, Add	1,978.86	
For Door-In-Door (Hinged) Trim Front, Add	209.06	
26 24 16 00-0105 EA 225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers.....	4,618.76	989.04
For NEMA 3R Panelboard, Add	1,978.86	
For Door-In-Door (Hinged) Trim Front, Add	209.06	
26 24 16 00-0106 EA 225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers.....	4,845.49	1,083.89
For NEMA 3R Panelboard, Add	1,978.86	
For Door-In-Door (Hinged) Trim Front, Add	209.06	
26 24 16 00-0107 EA 225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers.....	5,019.21	1,083.89
For NEMA 3R Panelboard, Add	1,978.86	
For Door-In-Door (Hinged) Trim Front, Add	209.06	
26 24 16 00-0108 EA 225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers.....	5,268.04	1,196.79
For NEMA 3R Panelboard, Add	2,059.59	
For Door-In-Door (Hinged) Trim Front, Add	267.20	
26 24 16 00-0109 EA 225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers.....	5,454.38	1,196.79
For NEMA 3R Panelboard, Add	2,059.59	
For Door-In-Door (Hinged) Trim Front, Add	267.20	
<b>26 24 16 00-0110 480 Volt, 3 Wire, 3 Phase, Main Breaker Assembled Panelboards (26 24 16 00-0002)</b>		
26 24 16 00-0111 EA 50 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Up To 50 Amp Main Breaker, 12 Circuit Capacity Assembled Panelboard With Eight 20 Ampere Breakers.....	2,051.09	307.10
For NEMA 3R Panelboard, Add	1,523.32	
26 24 16 00-0112 EA 50 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Up To 50 Amp Main Breaker, 20 Circuit Capacity Assembled Panelboard With Ten 20 Ampere Breakers.....	2,265.09	334.20
For NEMA 3R Panelboard, Add	1,523.32	
26 24 16 00-0113 EA 50 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Up To 50 Amp Main Breaker, 20 Circuit Capacity Assembled Panelboard With Twelve 20 Ampere Breakers.....	2,481.11	415.49
For NEMA 3R Panelboard, Add	1,523.32	
26 24 16 00-0114 EA 100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Amp Main Breaker, 20 Circuit Capacity Assembled Panelboard With Fourteen 20 Ampere Breakers.....	2,972.83	505.81
For NEMA 3R Panelboard, Add	1,523.32	
26 24 16 00-0115 EA 100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Amp Main Breaker, 20 Circuit Capacity Assembled Panelboard With Sixteen 20 Ampere Breakers.....	3,176.10	560.01
For NEMA 3R Panelboard, Add	1,523.32	
26 24 16 00-0116 EA 100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Amp Main Breaker, 24 Circuit Capacity Assembled Panelboard With Eighteen 20 Ampere Breakers.....	3,363.48	605.17
For NEMA 3R Panelboard, Add	1,523.32	
26 24 16 00-0117 EA 100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 24 Circuit Capacity Assembled Panelboard With Twenty 20 Ampere Breakers.....	3,567.56	659.37
For NEMA 3R Panelboard, Add	1,523.32	
26 24 16 00-0118 EA 100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Two 20 Ampere Breakers.....	3,764.83	713.56
For NEMA 3R Panelboard, Add	1,675.24	
For Door-In-Door (Hinged) Trim Front, Add	122.41	
26 24 16 00-0119 EA 100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Four 20 Ampere Breakers.....	3,947.36	758.72
For NEMA 3R Panelboard, Add	1,675.24	
For Door-In-Door (Hinged) Trim Front, Add	122.41	
26 24 16 00-0120 EA 100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Six 20 Ampere Breakers.....	4,141.45	803.88
For NEMA 3R Panelboard, Add	1,675.24	
For Door-In-Door (Hinged) Trim Front, Add	122.41	
26 24 16 00-0121 EA 100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Eight 20 Ampere Breakers.....	4,349.51	858.08
For NEMA 3R Panelboard, Add	1,675.24	
For Door-In-Door (Hinged) Trim Front, Add	122.41	
26 24 16 00-0122 EA 100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers.....	4,574.68	925.82
For NEMA 3R Panelboard, Add	1,675.24	
For Door-In-Door (Hinged) Trim Front, Add	122.41	
26 24 16 00-0123 EA 225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers.....	5,851.44	1,029.69
For NEMA 3R Panelboard, Add	1,978.86	
For Door-In-Door (Hinged) Trim Front, Add	209.06	
26 24 16 00-0124 EA 225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers.....	6,068.34	1,092.92
For NEMA 3R Panelboard, Add	1,978.86	
For Door-In-Door (Hinged) Trim Front, Add	209.06	
26 24 16 00-0125 EA 225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers.....	6,229.53	1,120.01
For NEMA 3R Panelboard, Add	1,978.86	
For Door-In-Door (Hinged) Trim Front, Add	209.06	

**26 Electrical**  
**26 20 Low-Voltage Electrical Distribution**  
**26 24 Switchboards and Panelboards**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0126	EA		225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	6,470.36 1,978.86 209.06	1,192.28
26 24 16 00-0127	EA		225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	6,645.21 2,059.59 267.20	1,237.43
26 24 16 00-0128	EA		225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	6,825.63 2,059.59 267.20	1,276.28
<b>26 24 16 00-0129</b>			<b>277/480 Volt, 4 Wire, 3 Phase, Main Lugs Assembled Panelboards</b> <sup>(26 24 16 00-0002)</sup>		
26 24 16 00-0130	EA		100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 12 Circuit Capacity Assembled Panelboard With Eight 20 Ampere Breakers <i>For NEMA 3R Panelboard, Add</i>	1,969.01 1,523.32	316.14
26 24 16 00-0131	EA		100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Ten 20 Ampere Breakers <i>For NEMA 3R Panelboard, Add</i>	2,217.90 1,523.32	316.14
26 24 16 00-0132	EA		100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Twelve 20 Ampere Breakers <i>For NEMA 3R Panelboard, Add</i>	2,461.29 1,523.32	420.01
26 24 16 00-0133	EA		100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Fourteen 20 Ampere Breakers <i>For NEMA 3R Panelboard, Add</i>	2,706.38 1,523.32	420.01
26 24 16 00-0134	EA		100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Sixteen 20 Ampere Breakers <i>For NEMA 3R Panelboard, Add</i>	2,954.84 1,523.32	519.36
26 24 16 00-0135	EA		100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 24 Circuit Capacity Assembled Panelboard With Eighteen 20 Ampere Breakers <i>For NEMA 3R Panelboard, Add</i>	3,198.94 1,523.32	519.36
26 24 16 00-0136	EA		100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 24 Circuit Capacity Assembled Panelboard With Twenty 20 Ampere Breakers <i>For NEMA 3R Panelboard, Add</i>	3,446.43 1,523.32	623.23
26 24 16 00-0137	EA		100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Two 20 Ampere Breakers <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	3,693.05 1,675.24 122.41	623.23
26 24 16 00-0138	EA		100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Four 20 Ampere Breakers <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	3,959.08 1,675.24 122.41	731.62
26 24 16 00-0139	EA		100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Six 20 Ampere Breakers <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	4,187.92 1,675.24 122.41	731.62
26 24 16 00-0140	EA		100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Eight 20 Ampere Breakers <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	4,427.60 1,675.24 122.41	736.13
26 24 16 00-0141	EA		100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 32 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	4,680.41 1,675.24 122.41	736.13
26 24 16 00-0142	EA		225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	5,320.66 1,978.86 209.06	1,020.66
26 24 16 00-0143	EA		225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	5,579.82 1,978.86 209.06	1,020.66
26 24 16 00-0144	EA		225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	5,788.72 1,978.86 209.06	1,074.85
26 24 16 00-0145	EA		225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	6,068.19 1,978.86 209.06	1,147.11
26 24 16 00-0146	EA		225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	6,288.59 2,059.59 267.20	1,147.11
26 24 16 00-0147	EA		225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	6,594.53 2,059.59 267.20	1,255.50
<b>26 24 16 00-0148</b>			<b>277/480 Volt, 4 Wire, 3 Phase, Main Breaker Assembled Panelboards</b> <sup>(26 24 16 00-0002)</sup>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0149 EA 50 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, 50 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Eight 20 Ampere Breakers .....	2,567.84	388.39
<i>For NEMA 3R Panelboard, Add</i>	1,523.32	
26 24 16 00-0150 EA 50 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, 50 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Ten 20 Ampere Breakers .....	2,821.74	388.39
<i>For NEMA 3R Panelboard, Add</i>	1,523.32	
26 24 16 00-0151 EA 50 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, 50 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Twelve 20 Ampere Breakers .....	3,067.46	514.85
<i>For NEMA 3R Panelboard, Add</i>	1,523.32	
26 24 16 00-0152 EA 100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Fourteen 20 Ampere Breakers .....	3,647.70	514.85
<i>For NEMA 3R Panelboard, Add</i>	1,523.32	
26 24 16 00-0153 EA 100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Sixteen 20 Ampere Breakers .....	3,880.27	650.33
<i>For NEMA 3R Panelboard, Add</i>	1,523.32	
26 24 16 00-0154 EA 100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 24 Circuit Capacity Assembled Panelboard With Eighteen 20 Ampere Breakers .....	4,112.53	650.33
<i>For NEMA 3R Panelboard, Add</i>	1,523.32	
26 24 16 00-0155 EA 100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 24 Circuit Capacity Assembled Panelboard With Twenty 20 Ampere Breakers .....	4,337.97	745.17
<i>For NEMA 3R Panelboard, Add</i>	1,523.32	
26 24 16 00-0156 EA 100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Two 20 Ampere Breakers .....	4,548.67	745.17
<i>For NEMA 3R Panelboard, Add</i>	1,675.24	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	122.41	
26 24 16 00-0157 EA 100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Four 20 Ampere Breakers .....	4,770.93	849.04
<i>For NEMA 3R Panelboard, Add</i>	1,675.24	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	122.41	
26 24 16 00-0158 EA 100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Six 20 Ampere Breakers .....	5,007.14	849.04
<i>For NEMA 3R Panelboard, Add</i>	1,675.24	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	122.41	
26 24 16 00-0159 EA 100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Eight 20 Ampere Breakers .....	5,214.61	939.37
<i>For NEMA 3R Panelboard, Add</i>	1,675.24	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	122.41	
26 24 16 00-0160 EA 100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers .....	5,430.82	939.37
<i>For NEMA 3R Panelboard, Add</i>	1,675.24	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	122.41	
26 24 16 00-0161 EA 225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers .....	7,227.40	1,110.99
<i>For NEMA 3R Panelboard, Add</i>	1,978.86	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	209.06	
26 24 16 00-0162 EA 225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers .....	7,484.50	1,110.99
<i>For NEMA 3R Panelboard, Add</i>	1,978.86	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	209.06	
26 24 16 00-0163 EA 225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers .....	7,682.53	1,214.85
<i>For NEMA 3R Panelboard, Add</i>	1,978.86	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	209.06	
26 24 16 00-0164 EA 225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers .....	7,966.12	1,214.85
<i>For NEMA 3R Panelboard, Add</i>	1,978.86	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	209.06	
26 24 16 00-0165 EA 225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers .....	8,179.40	1,327.76
<i>For NEMA 3R Panelboard, Add</i>	2,059.59	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	267.20	
26 24 16 00-0166 EA 225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers .....	8,398.85	1,327.76
<i>For NEMA 3R Panelboard, Add</i>	2,059.59	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	267.20	
26 24 16 00-0167 EA 400 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >225 To 400 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers .....	10,048.89	1,478.60
<i>For NEMA 3R Panelboard, Add</i>	2,059.59	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	267.20	
26 24 16 00-0168 EA 600 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >400 To 600 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers .....	12,249.54	1,774.86
<i>For NEMA 3R Panelboard, Add</i>	2,059.59	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	267.20	

**26 24 16 00-0169 Unassembled Lighting And Power Panelboards** (26 24 16 00-0001)

Note: Includes the main device (lugs or breaker), connection of main service cable from meter and that portion of the panel box, trim and interior occupied by that device. Spaces include that portion of the panel box, trim and interior reserved by that space. The maximum single pole capacity of the panelboard main device (lugs, breakers) is indicated. Excludes branch breakers. A complete panelboard will be the sum of main device and the branch circuit breakers and spaces (within the capacity of the main device). See CSI section 26 28 16 13-0001 for circuit breakers.

**26 24 16 00-0170 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboards** (26 24 16 00-

0169)  
Note: As manufactured by Square D or equal. Accepts plug-on and bolt-on breakers.



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

26 24 16 00-0171		<b>Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase</b>	
		<b>Unassembled Panelboards</b> <small>(26 24 16 00-0170)</small>	
26 24 16 00-0172	EA	100 Ampere Rating, 12 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard .....	653.57
26 24 16 00-0173	EA	100 Ampere Rating, 20 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard .....	748.34
26 24 16 00-0174	EA	225 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard .....	1,002.89
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	122.41
26 24 16 00-0175	EA	225 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard .....	1,154.30
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	209.06
26 24 16 00-0176	EA	225 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard .....	1,303.13
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	267.20
26 24 16 00-0177	EA	400 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard .....	1,450.16
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	122.41
26 24 16 00-0178	EA	400 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard .....	1,571.51
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	209.06
26 24 16 00-0179	EA	400 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard .....	1,717.46
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	267.20
26 24 16 00-0180	EA	600 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard .....	1,809.46
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	122.41
26 24 16 00-0181	EA	600 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard .....	1,928.44
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	209.06
26 24 16 00-0182	EA	600 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard .....	2,097.39
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	267.20
26 24 16 00-0183		<b>Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase</b>	
		<b>Unassembled Panelboards</b> <small>(26 24 16 00-0170)</small>	
26 24 16 00-0184	EA	100 Ampere Rating, 12 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard .....	967.65
26 24 16 00-0185	EA	100 Ampere Rating, 20 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard .....	1,090.29
26 24 16 00-0186	EA	225 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard .....	1,734.58
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	122.41
26 24 16 00-0187	EA	225 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard .....	1,918.67
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	209.06
26 24 16 00-0188	EA	225 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard .....	2,088.57
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	267.20
26 24 16 00-0189	EA	400 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard .....	3,723.27
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	122.41
26 24 16 00-0190	EA	400 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard .....	3,914.59
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	209.06
26 24 16 00-0191	EA	400 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard .....	4,091.61
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	267.20
26 24 16 00-0192		<b>Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase</b>	
		<b>Unassembled Panelboards</b> <small>(26 24 16 00-0170)</small>	
26 24 16 00-0193	EA	100 Ampere Rating, 12 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard .....	1,364.09
26 24 16 00-0194	EA	100 Ampere Rating, 20 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard .....	1,450.74
26 24 16 00-0195	EA	225 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard .....	1,688.37
26 24 16 00-0196	EA	225 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard .....	1,836.40
26 24 16 00-0197	EA	225 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard .....	1,972.37
26 24 16 00-0198	EA	400 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard .....	2,250.67
26 24 16 00-0199	EA	400 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard .....	2,363.23
26 24 16 00-0200	EA	400 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard .....	2,501.06
26 24 16 00-0201	EA	600 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard .....	2,655.32
26 24 16 00-0202	EA	600 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard .....	2,769.77



<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Low-Voltage Electrical Distribution</b>	<b>26 20</b>	
<b>Switchboards and Panelboards</b>	<b>26 24</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0203 EA 600 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard.....	2,926.22	
<b>26 24 16 00-0204 Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboards</b> <small>(26 24 16 00-0170)</small>		
26 24 16 00-0205 EA 100 Ampere Rating, 12 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard.....	1,670.05	
26 24 16 00-0206 EA 100 Ampere Rating, 20 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard.....	1,783.90	
26 24 16 00-0207 EA 225 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard.....	2,551.34	
26 24 16 00-0208 EA 225 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard.....	2,719.19	
26 24 16 00-0209 EA 225 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard.....	2,876.91	
26 24 16 00-0210 EA 400 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard.....	4,494.69	
26 24 16 00-0211 EA 400 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard.....	4,677.89	
26 24 16 00-0212 EA 400 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard.....	4,852.88	
<b>26 24 16 00-0213 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboards</b> <small>(26 24 16 00-0169)</small>		
<i>Note: As manufactured by Square D or equal. Accepts plug-on and bolt-on breakers</i>		
<b>26 24 16 00-0214 Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboards</b> <small>(26 24 16 00-0213)</small>		
26 24 16 00-0215 EA 100 Ampere Rating, 12 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard.....	733.65	
26 24 16 00-0216 EA 100 Ampere Rating, 24 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard.....	859.99	
26 24 16 00-0217 EA 100 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard.....	962.49	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	<i>122.41</i>	
26 24 16 00-0218 EA 225 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard.....	1,078.04	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	<i>122.41</i>	
26 24 16 00-0219 EA 225 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard.....	1,238.86	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	<i>209.06</i>	
26 24 16 00-0220 EA 225 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard.....	1,369.05	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	<i>267.20</i>	
26 24 16 00-0221 EA 400 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard.....	1,576.80	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	<i>122.41</i>	
26 24 16 00-0222 EA 400 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard.....	1,695.63	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	<i>209.06</i>	
26 24 16 00-0223 EA 400 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard.....	1,825.04	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	<i>267.20</i>	
26 24 16 00-0224 EA 600 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard.....	1,950.97	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	<i>122.41</i>	
26 24 16 00-0225 EA 600 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard.....	2,160.19	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	<i>209.06</i>	
26 24 16 00-0226 EA 600 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard.....	2,575.41	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	<i>267.20</i>	
<b>26 24 16 00-0227 Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboards</b> <small>(26 24 16 00-0213)</small>		
26 24 16 00-0228 EA 100 Ampere Rating, 12 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard.....	1,137.75	
26 24 16 00-0229 EA 100 Ampere Rating, 24 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard.....	1,281.14	
26 24 16 00-0230 EA 100 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard.....	1,444.24	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	<i>122.41</i>	
26 24 16 00-0231 EA 225 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard.....	2,166.78	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	<i>122.41</i>	
26 24 16 00-0232 EA 225 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard.....	2,342.72	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	<i>209.06</i>	
26 24 16 00-0233 EA 225 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard.....	2,497.81	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	<i>267.20</i>	



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0234	EA	400 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	3,491.89	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	122.41	
26 24 16 00-0235	EA	400 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	3,666.44	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	209.06	
26 24 16 00-0236	EA	400 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	3,812.73	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	267.20	
<b>26 24 16 00-0237</b>		<b>Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboards</b> <small>(26 24 16 00-0213)</small>		
26 24 16 00-0238	EA	100 Ampere Rating, 12 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,444.17	
26 24 16 00-0239	EA	100 Ampere Rating, 24 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,562.38	
26 24 16 00-0240	EA	100 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,656.09	
26 24 16 00-0241	EA	225 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,763.52	
26 24 16 00-0242	EA	225 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,920.95	
26 24 16 00-0243	EA	225 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,038.29	
26 24 16 00-0244	EA	400 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,377.31	
26 24 16 00-0245	EA	400 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,487.36	
26 24 16 00-0246	EA	400 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,608.64	
26 24 16 00-0247	EA	600 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,796.82	
26 24 16 00-0248	EA	600 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,990.49	
26 24 16 00-0249	EA	600 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	3,405.70	
<b>26 24 16 00-0250</b>		<b>Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboards</b> <small>(26 24 16 00-0213)</small>		
26 24 16 00-0251	EA	100 Ampere Rating, 12 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,840.15	
26 24 16 00-0252	EA	100 Ampere Rating, 24 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,974.74	
26 24 16 00-0253	EA	100 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,133.11	
26 24 16 00-0254	EA	225 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,983.54	
26 24 16 00-0255	EA	225 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	3,143.24	
26 24 16 00-0256	EA	225 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	3,286.14	
26 24 16 00-0257	EA	400 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	4,972.74	
26 24 16 00-0258	EA	400 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	5,154.33	
26 24 16 00-0259	EA	400 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	5,312.53	
<b>26 24 16 00-0260</b>		<b>480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboards</b> <small>(26 24 16 00-0169)</small>		
		Note: As manufactured by Square D or equal.		
<b>26 24 16 00-0261</b>		<b>Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboards</b> <small>(26 24 16 00-0260)</small>		
26 24 16 00-0262	EA	125 Ampere Rating, 12 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,073.37	
26 24 16 00-0263	EA	125 Ampere Rating, 18 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,171.30	
26 24 16 00-0264	EA	250 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,605.83	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	122.41	
26 24 16 00-0265	EA	250 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,784.98	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	209.06	
26 24 16 00-0266	EA	250 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,939.33	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	267.20	
26 24 16 00-0267	EA	400 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,912.80	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	122.41	





<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Low-Voltage Electrical Distribution</b>	<b>26 20</b>	
<b>Switchboards and Panelboards</b>	<b>26 24</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0268 EA 400 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	2,008.94	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	209.06	
26 24 16 00-0269 EA 400 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	2,178.39	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	267.20	
26 24 16 00-0270 EA 600 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	2,237.40	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	122.41	
26 24 16 00-0271 EA 600 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	2,397.46	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	209.06	
26 24 16 00-0272 EA 600 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	2,613.05	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	267.20	
<b>26 24 16 00-0273 Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboards</b> <small>(26 24 16 00-0260)</small>		
26 24 16 00-0274 EA 100 Ampere Rating, 12 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	2,237.18	
26 24 16 00-0275 EA 100 Ampere Rating, 18 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	2,308.15	
26 24 16 00-0276 EA 125 Ampere Rating, 18 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	2,503.24	
26 24 16 00-0277 EA 125 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	2,630.23	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	122.41	
26 24 16 00-0278 EA 125 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	2,868.04	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	209.06	
26 24 16 00-0279 EA 250 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	3,731.70	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	122.41	
26 24 16 00-0280 EA 250 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	3,886.71	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	209.06	
26 24 16 00-0281 EA 250 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	4,083.12	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	267.20	
26 24 16 00-0282 EA 400 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	4,179.75	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	122.41	
26 24 16 00-0283 EA 400 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	4,369.79	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	209.06	
26 24 16 00-0284 EA 400 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	4,546.54	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	267.20	
<b>26 24 16 00-0285 Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboards</b> <small>(26 24 16 00-0260)</small>		
26 24 16 00-0286 EA 125 Ampere Rating, 12 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	1,759.52	
26 24 16 00-0287 EA 125 Ampere Rating, 18 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	1,857.46	
26 24 16 00-0288 EA 250 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	2,275.74	
26 24 16 00-0289 EA 250 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	2,572.64	
26 24 16 00-0290 EA 250 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	2,713.46	
26 24 16 00-0291 EA 400 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	2,686.93	
26 24 16 00-0292 EA 400 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	2,762.77	
26 24 16 00-0293 EA 400 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	2,903.12	
26 24 16 00-0294 EA 600 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	3,029.80	
26 24 16 00-0295 EA 600 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	3,173.19	
26 24 16 00-0296 EA 600 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	3,352.92	
<b>26 24 16 00-0297 Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboards</b> <small>(26 24 16 00-0260)</small>		
26 24 16 00-0298 EA 100 Ampere Rating, 12 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	3,069.51	
26 24 16 00-0299 EA 100 Ampere Rating, 18 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	3,140.47	

**26 Electrical**  
**26 20 Low-Voltage Electrical Distribution**  
**26 24 Switchboards and Panelboards**



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0300	EA	125 Ampere Rating, 18 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,179.25	
26 24 16 00-0301	EA	125 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,300.14	
26 24 16 00-0302	EA	125 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,655.70	
26 24 16 00-0303	EA	250 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	4,505.83	
26 24 16 00-0304	EA	250 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	4,640.54	
26 24 16 00-0305	EA	250 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	4,807.85	
26 24 16 00-0306	EA	400 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	4,904.48	
26 24 16 00-0307	EA	400 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	5,075.84	
26 24 16 00-0308	EA	400 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	5,249.60	
<b>26 24 16 00-0309</b>		<b>480Y/277 Volt AC, 4 Wire, 3 Phase, Unassembled Panelboards</b> <small>(26 24 16 00-0169)</small> Note: As manufactured by Square D or equal.		
<b>26 24 16 00-0310</b>		<b>Main Lugs, NEMA 1, 480Y/277 Volt AC, 4 Wire, 3 Phase, Unassembled Panelboards</b> <small>(26 24 16 00-0309)</small>		
26 24 16 00-0311	EA	125 Ampere Rating, 12 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard	1,119.38	
26 24 16 00-0312	EA	125 Ampere Rating, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard	1,217.99	
26 24 16 00-0313	EA	125 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard	1,405.72	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	122.41	
26 24 16 00-0314	EA	250 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard	1,673.53	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	122.41	
26 24 16 00-0315	EA	250 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard	1,854.12	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	209.06	
26 24 16 00-0316	EA	250 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard	2,007.16	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	267.20	
26 24 16 00-0317	EA	400 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard	2,002.43	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	122.41	
26 24 16 00-0318	EA	400 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard	2,119.92	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	209.06	
26 24 16 00-0319	EA	400 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard	2,288.14	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	267.20	
26 24 16 00-0320	EA	600 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard	2,347.50	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	122.41	
26 24 16 00-0321	EA	600 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard	2,508.01	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	209.06	
26 24 16 00-0322	EA	600 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard	2,724.28	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	267.20	
<b>26 24 16 00-0323</b>		<b>Main Breaker, NEMA 1, 480Y/277 Volt AC, 4 Wire, 3 Phase, Unassembled Panelboards</b> <small>(26 24 16 00-0309)</small>		
26 24 16 00-0324	EA	100 Ampere Rating, 12 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	2,474.02	
26 24 16 00-0325	EA	100 Ampere Rating, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	2,545.66	
26 24 16 00-0326	EA	100 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	2,755.71	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	122.41	
26 24 16 00-0327	EA	125 Ampere Rating, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	2,828.79	
26 24 16 00-0328	EA	125 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	2,956.36	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	122.41	
26 24 16 00-0329	EA	125 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	3,193.47	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	209.06	
26 24 16 00-0330	EA	250 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	4,113.71	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	122.41	
26 24 16 00-0331	EA	250 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	4,270.59	
		<i>For Door-In-Door (Hinged) Trim Front, Add</i>	209.06	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0332 EA 250 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard.....	4,464.93	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	267.20	
26 24 16 00-0333 EA 400 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard.....	4,637.49	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	122.41	
26 24 16 00-0334 EA 400 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard.....	4,829.52	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	209.06	
26 24 16 00-0335 EA 400 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard.....	5,005.99	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	267.20	
<b>26 24 16 00-0336 Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 4 Wire, 3 Phase, Unassembled Panelboards (26 24 16 00-0309)</b>		
26 24 16 00-0337 EA 125 Ampere Rating, 12 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard.....	1,805.54	
26 24 16 00-0338 EA 125 Ampere Rating, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard.....	1,904.15	
26 24 16 00-0339 EA 125 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard.....	2,081.73	
26 24 16 00-0340 EA 250 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard.....	2,343.44	
26 24 16 00-0341 EA 250 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard.....	2,641.78	
26 24 16 00-0342 EA 250 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard.....	2,781.29	
26 24 16 00-0343 EA 400 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard.....	2,778.59	
26 24 16 00-0344 EA 400 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard.....	2,873.74	
26 24 16 00-0345 EA 400 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard.....	3,012.87	
26 24 16 00-0346 EA 600 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard.....	3,139.90	
26 24 16 00-0347 EA 600 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard.....	3,283.49	
26 24 16 00-0348 EA 600 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard.....	3,463.22	
<b>26 24 16 00-0349 Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 4 Wire, 3 Phase, Unassembled Panelboards (26 24 16 00-0309)</b>		
26 24 16 00-0350 EA 100 Ampere Rating, 12 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard.....	3,143.94	
26 24 16 00-0351 EA 100 Ampere Rating, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard.....	3,215.58	
26 24 16 00-0352 EA 100 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard.....	3,543.37	
26 24 16 00-0353 EA 125 Ampere Rating, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard.....	3,504.80	
26 24 16 00-0354 EA 125 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard.....	3,626.28	
26 24 16 00-0355 EA 125 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard.....	3,981.14	
26 24 16 00-0356 EA 250 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard.....	4,887.83	
26 24 16 00-0357 EA 250 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard.....	5,024.42	
26 24 16 00-0358 EA 250 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard.....	5,189.66	
26 24 16 00-0359 EA 400 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard.....	5,362.22	
26 24 16 00-0360 EA 400 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard.....	5,535.31	
26 24 16 00-0361 EA 400 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard.....	5,708.39	
<b>26 24 16 00-0362 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboards (26 24 16 00-0169)</b>		
Note: Square D I-Line or equal.		
<b>26 24 16 00-0363 Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboards (26 24 16 00-0362)</b>		
26 24 16 00-0364 EA 400 Ampere Rating, 27" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	1,802.88	268.55
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	161.14	
26 24 16 00-0365 EA 400 Ampere Rating, 45" Breaker Mounted Space, 250 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	2,142.14	268.47
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	161.09	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0366 EA 400 Ampere Rating, 63" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	2,397.56	268.47
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	161.09	
26 24 16 00-0367 EA 600 Ampere Rating, 27" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	2,644.43	440.90
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	264.54	
26 24 16 00-0368 EA 600 Ampere Rating, 45" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	2,842.12	440.90
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	264.54	
26 24 16 00-0369 EA 600 Ampere Rating, 63" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	3,059.06	440.90
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	264.54	
26 24 16 00-0370 EA 800 Ampere Rating, 27" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	3,231.32	586.11
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	351.65	
26 24 16 00-0371 EA 800 Ampere Rating, 45" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	3,420.36	587.84
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	352.73	
26 24 16 00-0372 EA 800 Ampere Rating, 63" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	3,498.99	586.11
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	351.65	
26 24 16 00-0373 EA 800 Ampere Rating, 99" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	4,126.19	586.11
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	351.65	
26 24 16 00-0374 EA 1,200 Ampere Rating, 27" Breaker Mounting Space, 600 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	5,298.47	881.81
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	529.08	
26 24 16 00-0375 EA 1,200 Ampere Rating, 45" Breaker Mounting Space, 600 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	5,725.35	881.81
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	529.08	
26 24 16 00-0376 EA 1,200 Ampere Rating, 63" Breaker Mounting Space, 600 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	6,074.38	881.81
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	529.08	
26 24 16 00-0377 EA 1,200 Ampere Rating, 99" Breaker Mounting Space, 600 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	6,500.38	881.81
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	529.08	
<b>26 24 16 00-0378 Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboards</b> <small>(26 24 16 00-0362)</small>		
26 24 16 00-0379 EA 225 Ampere Rating, 36" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	3,648.57	274.24
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	164.54	
26 24 16 00-0380 EA 400 Ampere Rating, 27" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	4,822.67	311.04
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	186.64	
26 24 16 00-0381 EA 400 Ampere Rating, 45" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	5,069.35	311.04
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	186.64	
26 24 16 00-0382 EA 400 Ampere Rating, 81" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	5,795.39	311.04
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	186.64	
26 24 16 00-0383 EA 600 Ampere Rating, 36" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	7,488.58	509.88
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	305.94	
26 24 16 00-0384 EA 600 Ampere Rating, 72" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	7,895.44	511.27
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	306.76	
26 24 16 00-0385 EA 600 Ampere Rating, 72" Breaker Mounting Space, 600 Ampere Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	8,232.12	509.88
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	305.94	
26 24 16 00-0386 EA 800 Ampere Rating, 36" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	9,443.42	681.64
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	409.01	
26 24 16 00-0387 EA 800 Ampere Rating, 72" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	9,927.59	679.26
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	407.56	
26 24 16 00-0388 EA 800 Ampere Rating, 72" Breaker Mounting Space, 600 Ampere Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard.....	10,408.70	679.26
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	407.56	
<b>26 24 16 00-0389 Residential Lighting And Power Panelboards</b> <small>(26 24 16 00-0001)</small> See CSI section 26 28 16 13-0001 for circuit breakers.		
<b>26 24 16 00-0390 Residential Type Unassembled Load Center</b> <small>(26 24 16 00-0389)</small> Note: Interior box and cover, includes ground bar kit.		
<b>26 24 16 00-0391 Main Lug Load Center, Single Phase, 3 Wire, 120/240 Volt</b> <small>(26 24 16 00-0390)</small>		
26 24 16 00-0392 EA 30 Ampere Rating, 2 Circuit, Main Lug Load Center, 3 Wire, 120/240 Volt, Single Phase, Unassembled Panelboard.....	133.12	45.16
26 24 16 00-0393 EA 70 Ampere Rating, 4 Circuit, Main Lug Load Center, 3 Wire, 120/240 Volt, Single Phase, Unassembled Panelboard.....	424.88	180.65
26 24 16 00-0394 EA 100 Ampere Rating, 8 Circuit, Main Lug Load Center, 3 Wire, 120/240 Volt, Single Phase, Unassembled Panelboard.....	653.36	257.87



<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Low-Voltage Electrical Distribution</b>	<b>26 20</b>	
<b>Switchboards and Panelboards</b>	<b>26 24</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0395 EA 125 Ampere Rating, 24 Circuit, Main Lug Load Center, 3 Wire, 120/240 Volt, Single Phase, Unassembled Panelboard .....	1,403.37	542.03
26 24 16 00-0396 EA 150 Ampere Rating, 30 Circuit, Main Lug Load Center, 3 Wire, 120/240 Volt, Single Phase, Unassembled Panelboard .....	1,538.90	587.10
<b>26 24 16 00-0397 Main Lug Load Center, 3 Phase, 4 Wire, 208 Y/120 Volt AC</b> <small>(26 24 16 00-0397)</small> Note: 3 Phase, 4 wire, 240/120 Volt AC Delta; 3 phase, 3 wire, 240 Volt AC Delta.		
26 24 16 00-0398 EA 60 Ampere Rating, 3 Circuit, Main Lug Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Unassembled Panelboard .....	195.16	49.68
26 24 16 00-0399 EA 125 Ampere Rating, 3 Circuit, Main Lug Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Unassembled Panelboard .....	375.02	54.19
<b>26 24 16 00-0400 Main Lug Load Center, Single Phase, 3 Wire, 120/240 Volt, Rainproof</b> <small>(26 24 16 00-0390)</small>		
26 24 16 00-0401 EA 40 Ampere Rating, 2 Circuit, Main Lug Load Center, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled Panelboard .....	199.08	49.68
26 24 16 00-0402 EA 70 Ampere Rating, 4 Circuit, Main Lug Load Center, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled Panelboard .....	222.95	54.19
26 24 16 00-0403 EA 100 Ampere Rating, 8 Circuit, Main Lug Load Center, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled Panelboard .....	731.78	257.87
26 24 16 00-0404 EA 150 Ampere Rating, 30 Circuit, Main Lug Load Center, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled Panelboard .....	1,658.24	587.10
<b>26 24 16 00-0405 Main Lug Load Center, 3 Phase, 4 Wire, 208 Y/120 Volt AC</b> <small>(26 24 16 00-0390)</small> Note: 3 Phase, 4 wire, 240/120 Volt AC Delta; 3 phase, 3 wire, 240 Volt AC Delta, Rainproof.		
26 24 16 00-0406 EA 60 Ampere Rating, 3 Circuit, Main Lug Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Rainproof, Unassembled Panelboard .....	254.83	49.68
26 24 16 00-0407 EA 125 Ampere Rating, 20 Circuit, Main Lug Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Rainproof, Unassembled Panelboard .....	1,621.75	542.03
<b>26 24 16 00-0408 Main Breaker Load Center, Single Phase, 3 Wire, 120/240 Volt</b> <small>(26 24 16 00-0390)</small>		
26 24 16 00-0409 EA 125 Ampere Rating, 24 Circuit, Main Breaker Load Center, 3 Wire, 120/240 Volt, Single Phase, Unassembled Panelboard .....	1,775.01	542.03
26 24 16 00-0410 EA 150 Ampere Rating, 30 Circuit, Main Breaker Load Center, 3 Wire, 120/240 Volt, Single Phase, Unassembled Panelboard .....	1,927.59	587.10
26 24 16 00-0411 EA 300 Ampere Rating, 42 Circuit, Main Breaker Load Center, 3 Wire, 120/240 Volt, Single Phase, Unassembled Panelboard .....	7,627.63	903.24
<b>26 24 16 00-0412 Main Breaker Load Center, 3 Phase, 4 Wire, 208 Y/120 Volt AC</b> <small>(26 24 16 00-0390)</small> Note: 3 Phase, 4 wire, 240/120 Volt AC Delta; 3 phase, 3 wire, 240 V Delta.		
26 24 16 00-0413 EA 125 Ampere Rating, 30 Circuit, Main Breaker Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Unassembled Panelboard .....	2,765.15	542.03
26 24 16 00-0414 EA 150 Ampere Rating, 40 Circuit, Main Breaker Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Unassembled Panelboard .....	3,019.17	587.10
26 24 16 00-0415 EA 300 Ampere Rating, 42 Circuit, Main Breaker Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Unassembled Panelboard .....	8,460.76	903.24
<b>26 24 16 00-0416 Main Breaker Load Center, Single Phase, 3 Wire, 120/240 Volt, Rainproof</b> <small>(26 24 16 00-0390)</small>		
26 24 16 00-0417 EA 125 Ampere Rating, 24 Circuit, Main Breaker Load Center, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled Panelboard .....	1,885.82	542.03
26 24 16 00-0418 EA 150 Ampere Rating, 30 Circuit, Main Breaker Load Center, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled Panelboard .....	2,116.82	587.10
<b>26 24 16 00-0419 Main Breaker Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC</b> <small>(26 24 16 00-0390)</small> Note: 3 Phase, 4 wire, 240/120 Volt AC Delta; 3 phase, 3 wire, 240 Volt AC Delta, Rainproof.		
26 24 16 00-0420 EA 125 Ampere Rating, 30 Circuit, Main Breaker Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Rainproof, Unassembled Panelboard .....	2,948.92	542.03
26 24 16 00-0421 EA 155 Ampere Rating, 30 Circuit, Main Breaker Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Rainproof, Unassembled Panelboard .....	3,039.11	587.10
<b>26 24 16 00-0422 Residential Type Assembled Load Center</b> <small>(26 24 16 00-0389)</small>		
<b>26 24 16 00-0423 Main Lug Load Center, 3 Wire, 20 Amperes, 120/240 Volt, 1 Phase</b> <small>(26 24 16 00-0422)</small> Note: Includes 1 pole plug-in breaker.		
26 24 16 00-0424 EA 100 Ampere Rating, Main Lugs, Indoor 8 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers .....	653.87	257.87
26 24 16 00-0425 EA 100 Ampere Rating, Main Lugs, Indoor 12 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers .....	805.35	301.23
26 24 16 00-0426 EA 100 Ampere Rating, Main Lugs, Rainproof, 8 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers .....	672.62	257.87
26 24 16 00-0427 EA 100 Ampere Rating, Main Lugs, Rainproof, 12 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers .....	810.46	301.23
26 24 16 00-0428 EA 200 Ampere Rating, Main Lugs, Indoor, 8 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers .....	1,201.94	401.49



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0429	EA	200 Ampere Rating, Main Lugs, Indoor, 20 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers .....	1,412.12	481.88
26 24 16 00-0430	EA	200 Ampere Rating, Main Lugs, Indoor, 24 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers .....	1,611.32	555.94
26 24 16 00-0431	EA	200 Ampere Rating, Main Lugs, Indoor, 30 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers .....	1,783.30	601.83
26 24 16 00-0432	EA	200 Ampere Rating, Main Lugs, Indoor, 42 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers .....	2,667.40	903.24
26 24 16 00-0433	EA	200 Ampere Rating, Main Lugs, Rainproof, 16 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers .....	1,268.43	401.49
26 24 16 00-0434	EA	200 Ampere Rating, Main Lugs, Rainproof, 20 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers .....	1,475.20	481.88
26 24 16 00-0435	EA	200 Ampere Rating, Main Lugs, Rainproof, 24 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers .....	1,674.40	555.94
26 24 16 00-0436	EA	200 Ampere Rating, Main Lugs, Rainproof, 30 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers .....	1,842.96	601.83
26 24 16 00-0437	EA	200 Ampere Rating, Main Lugs, Rainproof, 42 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers .....	2,863.45	903.24
26 24 16 00-0438	EA	400 Ampere Rating, Main Lugs, Indoor, 42 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers .....	3,362.49	1,003.59
26 24 16 00-0439	EA	400 Ampere Rating, Main Lugs, Rainproof, 42 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers .....	3,567.07	1,003.59
<b>26 24 16 00-0440</b>		<b>Main Lug Load Center, 4 Wire, 20 Amperes, 120/208 Volt</b> <small>(26 24 16 00-0422)</small>		
		Note: Includes 1 pole plug-in breaker.		
26 24 16 00-0441	EA	125 Ampere Rating, Main Lugs, Indoor, 12 Circuit, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers .....	900.82	301.23
26 24 16 00-0442	EA	125 Ampere Rating, Main Lugs, Indoor, 18 Circuit, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers .....	1,341.37	451.62
26 24 16 00-0443	EA	125 Ampere Rating, Main Lugs, Rainproof, 12 Circuits, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers .....	957.07	301.23
26 24 16 00-0444	EA	125 Ampere Rating, Main Lugs, Rainproof, 18 Circuits, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers .....	1,392.51	451.62
26 24 16 00-0445	EA	200 Ampere Rating, Main Lugs, Indoor, 24 Circuit, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers .....	1,708.49	555.94
26 24 16 00-0446	EA	200 Ampere Rating, Main Lugs, Indoor, 30 Circuit, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers .....	1,869.18	602.19
26 24 16 00-0447	EA	200 Ampere Rating, Main Lugs, Indoor, 36 Circuit, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers .....	2,298.03	722.86
26 24 16 00-0448	EA	200 Ampere Rating, Main Lugs, Indoor, 42 Circuit, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers .....	2,735.59	903.24
26 24 16 00-0449	EA	200 Ampere Rating, Main Lugs, Rainproof, 24 Circuits, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers .....	1,768.16	555.94
26 24 16 00-0450	EA	200 Ampere Rating, Main Lugs, Rainproof, 30 Circuits, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers .....	1,936.73	601.83
26 24 16 00-0451	EA	200 Ampere Rating, Main Lugs, Rainproof, 36 Circuits, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers .....	2,527.26	722.32
26 24 16 00-0452	EA	200 Ampere Rating, Main Lugs, Rainproof, 42 Circuits, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers .....	2,965.73	903.24
26 24 16 00-0453	EA	400 Ampere Rating, Main Lugs, Indoor, 42 Circuit, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers .....	3,413.64	1,003.59
26 24 16 00-0454	EA	400 Ampere Rating, Main Lugs, Rainproof, 42 Circuits, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers .....	3,618.21	1,003.59
<b>26 24 16 00-0455</b>		<b>Main Breaker Load Center, 3 Wire, 20 Amperes, 120/240 Volt, 1 Phase</b> <small>(26 24 16 00-0422)</small>		
		Note: Includes 1 pole plug-in breaker.		
26 24 16 00-0456	EA	125 Ampere Rating, Main Breaker, Indoor, 12 Circuit, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers .....	894.00	301.23
26 24 16 00-0457	EA	125 Ampere Rating, Main Breaker, Indoor, 18 Circuit, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers .....	1,317.50	451.62
26 24 16 00-0458	EA	200 Ampere Rating, Main Breaker, Indoor, 20 Circuit, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers .....	1,551.91	481.88
26 24 16 00-0459	EA	200 Ampere Rating, Main Breaker, Indoor, 24 Circuit, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers .....	1,777.23	556.21
26 24 16 00-0460	EA	200 Ampere Rating, Main Breaker, Indoor, 30 Circuit, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers .....	1,962.94	602.19
26 24 16 00-0461	EA	200 Ampere Rating, Main Breaker, Indoor, 40 Circuit, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers .....	2,594.81	802.98
26 24 16 00-0462	EA	200 Ampere Rating, Main Breaker, Rainproof, 20 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers .....	1,568.96	481.88
26 24 16 00-0463	EA	200 Ampere Rating, Main Breaker, Rainproof, 24 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers .....	1,810.78	555.94
26 24 16 00-0464	EA	200 Ampere Rating, Main Breaker, Rainproof, 30 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers .....	1,970.82	601.83
26 24 16 00-0465	EA	200 Ampere Rating, Main Breaker, Rainproof, 40 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers .....	2,501.05	802.98
26 24 16 00-0466	EA	400 Ampere Rating, Main Breaker, Indoor, 42 Circuit, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers .....	5,118.42	1,003.59
26 24 16 00-0467	EA	400 Ampere Rating, Main Breaker, Rainproof, 42 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers .....	5,459.38	1,003.59



<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Low-Voltage Electrical Distribution</b>	<b>26 20</b>	
<b>Switchboards and Panelboards</b>	<b>26 24</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>26 24 16 00-0468</b> <b>Main Breaker Load Center, 4 Wire, 20 Amperes, 120/208 Volt</b> <small>(26 24 16 00-0422)</small>		
<i>Note: Includes 1 pole plug-in breaker.</i>		
26 24 16 00-0469    EA    200 Ampere Rating, Main Breaker, Indoor, 30 Circuit, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers .....	2,440.28	602.19
26 24 16 00-0470    EA    200 Ampere Rating, Main Breaker, Indoor, 42 Circuit, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers .....	3,281.12	903.24
26 24 16 00-0471    EA    200 Ampere Rating, Main Breaker, Rainproof, 30 Circuits, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers .....	2,541.93	601.83
26 24 16 00-0472    EA    200 Ampere Rating, Main Breaker, Rainproof, 42 Circuits, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers .....	3,383.40	903.24
<b>26 24 16 00-0473</b> <b>Panel Mounted Accessories And Fuseholders</b> <small>(26 24 16 00-0001)</small>		
<b>26 24 16 00-0474</b> <b>Midget Finger-Safe Fuse Holders</b> <small>(26 24 16 00-0473)</small>		
<i>Note: 30 Amp capacity. Excludes fuse.</i>		
26 24 16 00-0475    EA    1 Pole Midget Finger-Safe Fuse Holder.....	65.32	16.26
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.84	
26 24 16 00-0476    EA    1 Pole With Indicator Midget Finger-Safe Fuse Holder.....	79.15	16.26
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.84	
26 24 16 00-0477    EA    2 Pole Midget Finger-Safe Fuse Holder.....	106.77	24.39
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.26	
26 24 16 00-0478    EA    2 Pole With Indicators Midget Finger-Safe Fuse Holder.....	142.86	24.39
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.26	
26 24 16 00-0479    EA    3 Pole Midget Finger-Safe Fuse Holder.....	159.40	32.52
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	21.68	
26 24 16 00-0480    EA    3 Pole With Indicators Midget Finger-Safe Fuse Holder.....	207.34	32.52
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	21.68	
26 24 16 00-0481    EA    3 Pole With 4th Neutral Pole Midget Finger-Safe Fuse Holder.....	247.44	32.52
<i>Note: With indicators.</i>		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	21.68	
26 24 16 00-0482    EA    3 Pole With 4th Neutral Pole Midget Finger-Safe Fuse Holder.....	194.28	32.52
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	21.68	
26 24 16 00-0483    EA    4 Pole Midget Finger-Safe Fuse Holder.....	201.01	40.65
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	27.10	
26 24 16 00-0484    EA    4 Pole With Indicator Midget Finger-Safe Fuse Holder.....	253.65	40.65
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	27.10	
26 24 16 00-0485    EA    12 To 24 Volt DC Midget Finger-Safe Fuse Holder.....	79.19	16.26
<i>Note: With indicator.</i>		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.84	
26 24 16 00-0486    EA    20 To 24 Volt DC Midget Finger-Safe Fuse Holder.....	86.54	16.26
<i>Note: With indicator.</i>		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.84	
26 24 16 00-0487    EA    35 To 48 Volt DC Midget Finger-Safe Fuse Holder.....	80.55	16.26
<i>Note: With indicator.</i>		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.84	
<b>26 24 16 00-0488</b> <b>Removal And Reinstallation Of Panelboards</b> <small>(26 24 16 00-0001)</small>		
<i>Note: Includes storage, cleaning and supply materials.</i>		
26 24 16 00-0489    EA    Removal And Reinstallation Of Up To 42 Circuit Capacity Panelboards With Breakers.....	1,135.92	
<i>Note: Includes removal and reinstallation of main wiring to panelboard.</i>		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	338.72	
26 24 16 00-0490    EA    Removal And Reinstallation Of Breaker, 1-2-3 Pole, Any Amperage .....	60.69	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	17.61	
26 24 16 00-0491    EA    Panelboard Filler Plate, Fits 1" Opening.....	4.80	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	0.85	
<b>26 24 19</b> <b>Motor-Control Centers</b> <small>(26 24)</small>		
<b>26 24 19 00-0001</b> <b>Combination Starters With Molded Case Circuit Breakers</b> <small>(26 24 19)</small>		
<i>Note: Includes NEMA I enclosure of indoor installation, vertical free standing floor mounted sections (90" high x 20" wide x 16" o 20" Deep), fully factory assembled and wired internally.</i>		
<b>26 24 19 00-0002</b> <b>230 Volt Combination With Molded Case Circuit, Full Volt</b> <small>(26 24 19 00-0001)</small>		
<i>Note: 1-Speed non-reversing.</i>		
26 24 19 00-0003    EA    230 Volt, Full Volt, 1 Speed, Non-Reversing, 7-1/2 HP Combination With Molded Case Circuit.....	2,289.03	82.50
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	49.50	
26 24 19 00-0004    EA    230 Volt, Full Volt, 1 Speed, Non-Reversing, 15 HP Combination With Molded Case Circuit.....	2,717.20	86.63
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	51.98	
26 24 19 00-0005    EA    230 Volt, Full Volt, 1 Speed, Non-Reversing, 30 HP Combination With Molded Case Circuit.....	4,065.18	90.75
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	54.45	
26 24 19 00-0006    EA    230 Volt, Full Volt, 1 Speed, Non-Reversing, 50 HP Combination With Molded Case Circuit.....	7,401.96	107.26
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	64.35	
26 24 19 00-0007    EA    230 Volt, Full Volt, 1 Speed, Non-Reversing, 100 HP Combination With Molded Case Circuit.....	14,960.12	123.75
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	74.25	
26 24 19 00-0008    EA    230 Volt, Full Volt, 1 Speed, Non-Reversing, 200 HP Combination With Molded Case Circuit.....	25,193.93	165.01
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	99.00	
<b>26 24 19 00-0009</b> <b>480 Volt Combination With Molded Case Circuit, Full Volt</b> <small>(26 24 19 00-0001)</small>		
<i>Note: 1-Speed non-reversing.</i>		

**26 Electrical**  
**26 20 Low-Voltage Electrical Distribution**  
**26 24 Switchboards and Panelboards**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0010	EA		480 Volt, Full Volt, 1 Speed, Non-Reversing, 10 HP Combination With Molded Case Circuit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,289.03 49.50	82.50
26 24 19 00-0011	EA		480 Volt, Full Volt, 1 Speed, Non-Reversing, 25 HP Combination With Molded Case Circuit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,717.20 51.98	86.63
26 24 19 00-0012	EA		480 Volt, Full Volt, 1 Speed, Non-Reversing, 50 HP Combination With Molded Case Circuit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,065.18 54.45	90.75
26 24 19 00-0013	EA		480 Volt, Full Volt, 1 Speed, Non-Reversing, 100 HP Combination With Molded Case Circuit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7,401.96 64.35	107.26
26 24 19 00-0014	EA		480 Volt, Full Volt, 1 Speed, Non-Reversing, 200 HP Combination With Molded Case Circuit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14,960.12 74.25	123.75
26 24 19 00-0015	EA		480 Volt, Full Volt, 1 Speed, Non-Reversing, 400 HP Combination With Molded Case Circuit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25,193.93 99.00	165.01
<b>26 24 19 00-0016</b>			<b>230 Volt Combination With Molded Case Circuit, Full Volt</b> <small>(26 24 19 00-0001)</small> Note: 1-Speed reversing.		
26 24 19 00-0017	EA		230 Volt, Full Volt, 1 Speed, Reversing, 7-1/2 HP Combination With Molded Case Circuit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,337.71 49.50	82.50
26 24 19 00-0018	EA		230 Volt, Full Volt, 1 Speed, Reversing, 15 HP Combination With Molded Case Circuit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,461.29 51.98	86.63
26 24 19 00-0019	EA		230 Volt, Full Volt, 1 Speed, Reversing, 30 HP Combination With Molded Case Circuit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,413.60 54.45	90.75
26 24 19 00-0020	EA		230 Volt, Full Volt, 1 Speed, Reversing, 50 HP Combination With Molded Case Circuit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11,250.08 64.35	107.26
26 24 19 00-0021	EA		230 Volt, Full Volt, 1 Speed, Reversing, 100 HP Combination With Molded Case Circuit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22,192.01 74.25	123.75
26 24 19 00-0022	EA		230 Volt, Full Volt, 1 Speed, Reversing, 200 HP Combination With Molded Case Circuit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	38,271.31 99.00	165.01
<b>26 24 19 00-0023</b>			<b>480 Volt Combination With Molded Case Circuit, Full Volt</b> <small>(26 24 19 00-0001)</small> Note: 1-Speed reversing.		
26 24 19 00-0024	EA		480 Volt, Full Volt, 1 Speed, Reversing, 10 HP Combination With Molded Case Circuit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,337.71 49.50	82.50
26 24 19 00-0025	EA		480 Volt, Full Volt, 1 Speed, Reversing, 25 HP Combination With Molded Case Circuit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,461.29 51.98	86.63
26 24 19 00-0026	EA		480 Volt, Full Volt, 1 Speed, Reversing, 50 HP Combination With Molded Case Circuit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,413.60 54.45	90.75
26 24 19 00-0027	EA		480 Volt, Full Volt, 1 Speed, Reversing, 100 HP Combination With Molded Case Circuit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11,250.08 64.35	107.26
26 24 19 00-0028	EA		480 Volt, Full Volt, 1 Speed, Reversing, 200 HP Combination With Molded Case Circuit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22,192.01 74.25	123.75
26 24 19 00-0029	EA		480 Volt, Full Volt, 1 Speed, Reversing, 400 HP Combination With Molded Case Circuit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	38,271.31 99.00	165.01
<b>26 24 19 00-0030</b>			<b>230 Volt Combination With Molded Case Circuit, Full Volt</b> <small>(26 24 19 00-0001)</small> Note: 2-Speed non-reversing, 2 wind.		
26 24 19 00-0031	EA		230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 7-1/2 HP Combination With Molded Case Circuit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,043.24 79.20	132.01
26 24 19 00-0032	EA		230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 15 HP Combination With Molded Case Circuit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,583.89 84.15	140.26
26 24 19 00-0033	EA		230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 30 HP Combination With Molded Case Circuit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8,253.19 89.10	148.51
26 24 19 00-0034	EA		230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 50 HP Combination With Molded Case Circuit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14,802.03 101.48	169.14
26 24 19 00-0035	EA		230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 100 HP Combination With Molded Case Circuit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24,566.75 118.81	198.00
<b>26 24 19 00-0036</b>			<b>480 Volt Combination With Molded Case Circuit, Full Volt</b> <small>(26 24 19 00-0001)</small> Note: 2-Speed non-reversing, 2 wind.		
26 24 19 00-0037	EA		480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 10 HP Combination With Molded Case Circuit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,043.24 79.20	132.01
26 24 19 00-0038	EA		480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 25 HP Combination With Molded Case Circuit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,583.89 84.15	140.26
26 24 19 00-0039	EA		480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 50 HP Combination With Molded Case Circuit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8,253.19 89.10	148.51
26 24 19 00-0040	EA		480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 100 HP Combination With Molded Case Circuit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14,802.03 101.48	169.14
26 24 19 00-0041	EA		480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 200 HP Combination With Molded Case Circuit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24,566.75 118.81	198.00
<b>26 24 19 00-0042</b>			<b>230 Volt Combination With Molded Case Circuit, Full Volt</b> <small>(26 24 19 00-0001)</small> Note: 2-Speed non-reversing, 2 wind.		
26 24 19 00-0043	EA		230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 7-1/2 HP Combination With Molded Case Circuit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,708.55 49.50	82.50
26 24 19 00-0044	EA		230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 15 HP Combination With Molded Case Circuit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7,027.44 51.98	86.63
26 24 19 00-0045	EA		230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 30 HP Combination With Molded Case Circuit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9,635.17 54.45	90.75
26 24 19 00-0046	EA		230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 50 HP Combination With Molded Case Circuit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18,135.37 64.35	107.26





<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Low-Voltage Electrical Distribution</b>	<b>26 20</b>	
<b>Switchboards and Panelboards</b>	<b>26 24</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0047 EA 230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 100 HP Combination With Molded Case Circuit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31,454.60 74.25	123.75
<b>26 24 19 00-0048 480 Volt Combination With Molded Case Circuit, Full Volt</b> (26 24 19 00-0001) Note: 2-Speed non-reversing, 1 wind.		
26 24 19 00-0049 EA 480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 10 HP Combination With Molded Case Circuit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,708.55 49.50	82.50
26 24 19 00-0050 EA 480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 25 HP Combination With Molded Case Circuit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7,027.44 51.98	86.63
26 24 19 00-0051 EA 480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 50 HP Combination With Molded Case Circuit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9,635.17 54.45	90.75
26 24 19 00-0052 EA 480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 100 HP Combination With Molded Case Circuit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18,135.37 64.35	107.26
26 24 19 00-0053 EA 480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 200 HP Combination With Molded Case Circuit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31,454.60 74.25	123.75
<b>26 24 19 00-0054 230 Volt Combination With Molded Case Circuit</b> (26 24 19 00-0001) Note: Reducing volt, auto-transformer.		
26 24 19 00-0055 EA 230 Volt, Reduced Volt, Auto Transformer, 15 HP Combination With Molded Case Circuit .....	6,983.01	86.63
26 24 19 00-0056 EA 230 Volt, Reduced Volt, Auto Transformer, 30 HP Combination With Molded Case Circuit .....	10,712.10	94.88
26 24 19 00-0057 EA 230 Volt, Reduced Volt, Auto Transformer, 50 HP Combination With Molded Case Circuit .....	18,084.27	107.26
26 24 19 00-0058 EA 230 Volt, Reduced Volt, Auto Transformer, 100 HP Combination With Molded Case Circuit .....	27,997.52	123.75
26 24 19 00-0059 EA 230 Volt, Reduced Volt, Auto Transformer, 200 HP Combination With Molded Case Circuit .....	47,922.71	165.01
<b>26 24 19 00-0060 480 Volt Combination With Molded Case Circuit</b> (26 24 19 00-0001) Note: Reducing volt, auto-transformer.		
26 24 19 00-0061 EA 480 Volt, Reduced Volt, Auto Transformer, 25 HP Combination With Molded Case Circuit .....	6,983.01	86.63
26 24 19 00-0062 EA 480 Volt, Reduced Volt, Auto Transformer, 50 HP Combination With Molded Case Circuit .....	10,712.10	94.88
26 24 19 00-0063 EA 480 Volt, Reduced Volt, Auto Transformer, 100 HP Combination With Molded Case Circuit .....	18,084.27	107.26
26 24 19 00-0064 EA 480 Volt, Reduced Volt, Auto Transformer, 200 HP Combination With Molded Case Circuit .....	27,997.52	123.75
26 24 19 00-0065 EA 480 Volt, Reduced Volt, Auto Transformer, 400 HP Combination With Molded Case Circuit .....	47,922.71	165.01
<b>26 24 19 00-0066 230 Volt Combination With Molded Case Circuit</b> (26 24 19 00-0001) Note: Reducing volt, part winding.		
26 24 19 00-0067 EA 230 Volt, Reduced Volt, Part Winding Starters, 10 HP Combination With Molded Case Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,729.77 79.20	132.01
26 24 19 00-0068 EA 230 Volt, Reduced Volt, Part Winding Starters, 25 HP Combination With Molded Case Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,119.64 91.58	152.63
26 24 19 00-0069 EA 230 Volt, Reduced Volt, Part Winding Starters, 50 HP Combination With Molded Case Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10,813.94 101.48	169.14
26 24 19 00-0070 EA 230 Volt, Reduced Volt, Part Winding Starters, 75 HP Combination With Molded Case Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18,475.57 123.76	206.26
26 24 19 00-0071 EA 230 Volt, Reduced Volt, Part Winding Starters, 150 HP Combination With Molded Case Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25,391.96 158.41	264.01
<b>26 24 19 00-0072 480 Volt Combination With Molded Case Circuit</b> (26 24 19 00-0001) Note: Reducing volt, part winding.		
26 24 19 00-0073 EA 480 Volt, Reduced Volt, Part Winding Starters, 15 HP Combination With Molded Case Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,729.77 79.20	132.01
26 24 19 00-0074 EA 480 Volt, Reduced Volt, Part Winding Starters, 40 HP Combination With Molded Case Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,119.64 91.58	152.63
26 24 19 00-0075 EA 480 Volt, Reduced Volt, Part Winding Starters, 75 HP Combination With Molded Case Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10,813.94 101.48	169.14
26 24 19 00-0076 EA 480 Volt, Reduced Volt, Part Winding Starters, 150 HP Combination With Molded Case Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18,475.57 123.76	206.26
26 24 19 00-0077 EA 480 Volt, Reduced Volt, Part Winding Starters, 350 HP Combination With Molded Case Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25,391.96 158.41	264.01
<b>26 24 19 00-0078 230 Volt Combination With Molded Case Circuit</b> (26 24 19 00-0001) Note: Reducing volt, energy saver.		
26 24 19 00-0079 EA 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 7-1/2 HP Combination With Molded Case Circuit .....	19,779.49 64.35	107.26
26 24 19 00-0080 EA 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 15 HP Combination With Molded Case Circuit .....	20,973.19 79.20	132.01
26 24 19 00-0081 EA 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 30 HP Combination With Molded Case Circuit .....	23,156.23 91.58	152.63
26 24 19 00-0082 EA 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 50 HP Combination With Molded Case Circuit .....	35,093.53 101.48	169.14
26 24 19 00-0083 EA 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 100 HP Combination With Molded Case Circuit .....	47,874.14 123.76	206.26

**26 Electrical**  
**26 20 Low-Voltage Electrical Distribution**  
**26 24 Switchboards and Panelboards**



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0084	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 200 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	64,977.37 158.41	264.01
<b>26 24 19 00-0085</b>		<b>480 Volt Combination With Molded Case Circuit</b> <small>(26 24 19 00-0001)</small> Note: Reducing volt, energy saver.		
26 24 19 00-0086	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 10 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19,779.49 64.35	107.26
26 24 19 00-0087	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 25 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20,973.19 79.20	132.01
26 24 19 00-0088	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 50 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23,156.23 91.58	152.63
26 24 19 00-0089	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 100 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	35,093.53 101.48	169.14
26 24 19 00-0090	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 200 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	47,874.14 123.76	206.26
26 24 19 00-0091	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 400 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	64,977.37 158.41	264.01
<b>26 24 19 00-0092</b>		<b>Combination Starters With Current Limiting Circuit Breakers</b> <small>(26 24 19)</small> Note: Includes NEMA I enclosure of indoor installation, vertical free standing floor mounted sections (90" high x 20" wide x 16" to 20" deep), fully factory assembled and wired internally.		
<b>26 24 19 00-0093</b>		<b>230 Volt Combination Starters With Current Limiting Circuit</b> <small>(26 24 19 00-0092)</small> Note: Full volt, 1-speed non-reversing.		
26 24 19 00-0094	EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 7-1/2 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,077.76 49.50	82.50
26 24 19 00-0095	EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 15 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,505.93 51.98	86.63
26 24 19 00-0096	EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 30 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,444.90 54.45	90.75
26 24 19 00-0097	EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 50 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10,065.87 64.35	107.26
26 24 19 00-0098	EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 100 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18,057.28 74.25	123.75
26 24 19 00-0099	EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 200 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29,453.07 99.00	165.01
<b>26 24 19 00-0100</b>		<b>480 Volt Combination Starters With Current Limiting Circuit</b> <small>(26 24 19 00-0092)</small> Note: Full volt, 1-speed non-reversing.		
26 24 19 00-0101	EA	480 Volt, Full Volt, 1 Speed, Non-Reversing, 10 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,077.76 49.50	82.50
26 24 19 00-0102	EA	480 Volt, Full Volt, 1 Speed, Non-Reversing, 25 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,505.93 51.98	86.63
26 24 19 00-0103	EA	480 Volt, Full Volt, 1 Speed, Non-Reversing, 50 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,444.90 54.45	90.75
26 24 19 00-0104	EA	480 Volt, Full Volt, 1 Speed, Non-Reversing, 100 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10,065.87 64.35	107.26
26 24 19 00-0105	EA	480 Volt, Full Volt, 1 Speed, Non-Reversing, 200 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18,057.28 74.25	123.75
26 24 19 00-0106	EA	480 Volt, Full Volt, 1 Speed, Non-Reversing, 400 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29,453.07 99.00	165.01
<b>26 24 19 00-0107</b>		<b>230 Volt Combination Starters With Current Limiting Circuit</b> <small>(26 24 19 00-0092)</small> Note: Full volt, 1-speed reversing.		
26 24 19 00-0108	EA	230 Volt, Full Volt, 1 Speed, Reversing, 7-1/2 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,119.77 49.50	82.50
26 24 19 00-0109	EA	230 Volt, Full Volt, 1 Speed, Reversing, 15 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,234.47 51.98	86.63
26 24 19 00-0110	EA	230 Volt, Full Volt, 1 Speed, Reversing, 30 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7,762.22 54.45	90.75
26 24 19 00-0111	EA	230 Volt, Full Volt, 1 Speed, Reversing, 50 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13,878.44 64.35	107.26
26 24 19 00-0112	EA	230 Volt, Full Volt, 1 Speed, Reversing, 100 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25,226.96 74.25	123.75
<b>26 24 19 00-0113</b>		<b>480 Volt Combination Starters With Current Limiting Circuit</b> <small>(26 24 19 00-0092)</small> Note: Full volt, 1-speed reversing.		
26 24 19 00-0114	EA	480 Volt, Full Volt, 1 Speed, Reversing, 10 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,119.77 49.50	82.50
26 24 19 00-0115	EA	480 Volt, Full Volt, 1 Speed, Reversing, 25 HP Combination Starters With Current Limiting Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,234.47 51.98	86.63



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0116 EA 480 Volt, Full Volt, 1 Speed, Reversing, 50 HP Combination Starters With Current Limiting Circuit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7,762.22 54.45	90.75
26 24 19 00-0117 EA 480 Volt, Full Volt, 1 Speed, Reversing, 100 HP Combination Starters With Current Limiting Circuit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13,878.44 64.35	107.26
26 24 19 00-0118 EA 480 Volt, Full Volt, 1 Speed, Reversing, 200 HP Combination Starters With Current Limiting Circuit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25,226.96 74.25	123.75
<b>26 24 19 00-0119 230 Volt Combination Starters With Current Limiting Circuit</b> <small>(26 24 19 00-0092)</small> Note: Full volt, 2-speed non-reversing, 2 wind.		
26 24 19 00-0120 EA 230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 7-1/2 HP Combination Starters With Current Limiting Circuit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,811.98 79.20	132.01
26 24 19 00-0121 EA 230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 15 HP Combination Starters With Current Limiting Circuit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,341.52 84.15	140.26
26 24 19 00-0122 EA 230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 30 HP Combination Starters With Current Limiting Circuit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9,579.59 89.10	148.51
26 24 19 00-0123 EA 230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 50 HP Combination Starters With Current Limiting Circuit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17,399.29 101.48	169.14
26 24 19 00-0124 EA 230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 100 HP Combination Starters With Current Limiting Circuit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27,577.26 118.81	198.00
<b>26 24 19 00-0125 480 Volt Combination Starters With Current Limiting Circuit</b> <small>(26 24 19 00-0092)</small> Note: Full volt, 2-speed non-reversing, 2 wind.		
26 24 19 00-0126 EA 480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 10 HP Combination Starters With Current Limiting Circuit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,811.98 79.20	132.01
26 24 19 00-0127 EA 480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 25 HP Combination Starters With Current Limiting Circuit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,341.52 84.15	140.26
26 24 19 00-0128 EA 480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 50 HP Combination Starters With Current Limiting Circuit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9,579.59 89.10	148.51
26 24 19 00-0129 EA 480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 100 HP Combination Starters With Current Limiting Circuit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17,399.29 101.48	169.14
26 24 19 00-0130 EA 480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 200 HP Combination Starters With Current Limiting Circuit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27,577.26 118.81	198.00
<b>26 24 19 00-0131 230 Volt Combination Starters With Current Limiting Circuit</b> <small>(26 24 19 00-0092)</small> Note: Full volt, 2-speed non-reversing, 1 wind.		
26 24 19 00-0132 EA 230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 7-1/2 HP Combination Starters With Current Limiting Circuit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,559.78 74.25	123.75
26 24 19 00-0133 EA 230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 15 HP Combination Starters With Current Limiting Circuit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7,862.48 79.20	132.01
26 24 19 00-0134 EA 230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 30 HP Combination Starters With Current Limiting Circuit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11,053.91 84.15	140.26
26 24 19 00-0135 EA 230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 50 HP Combination Starters With Current Limiting Circuit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20,808.77 96.53	160.88
26 24 19 00-0136 EA 230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 100 HP Combination Starters With Current Limiting Circuit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	34,537.14 113.86	189.76
<b>26 24 19 00-0137 480 Volt Combination Starters With Current Limiting Circuit</b> <small>(26 24 19 00-0092)</small> Note: Full volt, 2-speed non-reversing, 1 wind.		
26 24 19 00-0138 EA 480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 10 HP Combination Starters With Current Limiting Circuit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,559.78 74.25	123.75
26 24 19 00-0139 EA 480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 25 HP Combination Starters With Current Limiting Circuit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7,862.48 79.20	132.01
26 24 19 00-0140 EA 480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 50 HP Combination Starters With Current Limiting Circuit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11,053.91 84.15	140.26
26 24 19 00-0141 EA 480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 100 HP Combination Starters With Current Limiting Circuit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20,808.77 96.53	160.88
26 24 19 00-0142 EA 480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 200 HP Combination Starters With Current Limiting Circuit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	34,537.14 113.86	189.76

**26 Electrical**  
**26 20 Low-Voltage Electrical Distribution**  
**26 24 Switchboards and Panelboards**



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0143		<b>230 Volt Combination Starters With Current Limiting Circuit</b> <small>(26 24 19 00-0092)</small> Note: Reduced volt, auto-transformer.		
26 24 19 00-0144	EA	230 Volt, Reduced Volt, Auto Transformer, 15 HP Combination Starters With Current Limiting Circuit .....7,729.53 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 51.98	7,729.53	86.63
26 24 19 00-0145	EA	230 Volt, Reduced Volt, Auto Transformer, 30 HP Combination Starters With Current Limiting Circuit .....12,471.75 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 56.93	12,471.75	94.88
26 24 19 00-0146	EA	230 Volt, Reduced Volt, Auto Transformer, 50 HP Combination Starters With Current Limiting Circuit .....21,108.11 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 64.35	21,108.11	107.26
26 24 19 00-0147	EA	230 Volt, Reduced Volt, Auto Transformer, 100 HP Combination Starters With Current Limiting Circuit .....31,998.94 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 74.25	31,998.94	123.75
26 24 19 00-0148	EA	230 Volt, Reduced Volt, Auto Transformer, 200 HP Combination Starters With Current Limiting Circuit .....52,670.65 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 99.00	52,670.65	165.01
26 24 19 00-0149		<b>480 Volt Combination Starters With Current Limiting Circuit</b> <small>(26 24 19 00-0092)</small> Note: Reduced volt, auto-transformer.		
26 24 19 00-0150	EA	480 Volt, Reduced Volt, Auto Transformer, 25 HP Combination Starters With Current Limiting Circuit .....7,729.53 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 51.98	7,729.53	86.63
26 24 19 00-0151	EA	480 Volt, Reduced Volt, Auto Transformer, 50 HP Combination Starters With Current Limiting Circuit .....12,471.75 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 56.93	12,471.75	94.88
26 24 19 00-0152	EA	480 Volt, Reduced Volt, Auto Transformer, 100 HP Combination Starters With Current Limiting Circuit .....21,108.11 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 64.35	21,108.11	107.26
26 24 19 00-0153	EA	480 Volt, Reduced Volt, Auto Transformer, 200 HP Combination Starters With Current Limiting Circuit .....31,998.94 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 74.25	31,998.94	123.75
26 24 19 00-0154	EA	480 Volt, Reduced Volt, Auto Transformer, 400 HP Combination Starters With Current Limiting Circuit .....52,670.65 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 99.00	52,670.65	165.01
26 24 19 00-0155		<b>230 Volt Combination Starters With Current Limiting Circuit</b> <small>(26 24 19 00-0092)</small> Note: Reduced volt, part winding.		
26 24 19 00-0156	EA	230 Volt, Reduced Volt, Part Winding Starters, 10 HP Combination Starters With Current Limiting Circuit .....5,498.51 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 79.20	5,498.51	132.01
26 24 19 00-0157	EA	230 Volt, Reduced Volt, Part Winding Starters, 25 HP Combination Starters With Current Limiting Circuit .....6,872.83 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 91.58	6,872.83	152.63
26 24 19 00-0158	EA	230 Volt, Reduced Volt, Part Winding Starters, 50 HP Combination Starters With Current Limiting Circuit .....12,131.46 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 101.48	12,131.46	169.14
26 24 19 00-0159	EA	230 Volt, Reduced Volt, Part Winding Starters, 75 HP Combination Starters With Current Limiting Circuit .....21,537.18 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 123.76	21,537.18	206.26
26 24 19 00-0160	EA	230 Volt, Reduced Volt, Part Winding Starters, 150 HP Combination Starters With Current Limiting Circuit .....31,795.12 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 158.41	31,795.12	264.01
26 24 19 00-0161		<b>480 Volt Combination Starters With Current Limiting Circuit</b> <small>(26 24 19 00-0092)</small> Note: Reduced volt, part winding.		
26 24 19 00-0162	EA	480 Volt, Reduced Volt, Part Winding Starters, 15 HP Combination Starters With Current Limiting Circuit .....5,498.51 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 79.20	5,498.51	132.01
26 24 19 00-0163	EA	480 Volt, Reduced Volt, Part Winding Starters, 40 HP Combination Starters With Current Limiting Circuit .....6,872.83 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 91.58	6,872.83	152.63
26 24 19 00-0164	EA	480 Volt, Reduced Volt, Part Winding Starters, 75 HP Combination Starters With Current Limiting Circuit .....12,131.46 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 101.48	12,131.46	169.14
26 24 19 00-0165	EA	480 Volt, Reduced Volt, Part Winding Starters, 150 HP Combination Starters With Current Limiting Circuit .....21,537.18 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 123.76	21,537.18	206.26
26 24 19 00-0166	EA	480 Volt, Reduced Volt, Part Winding Starters, 350 HP Combination Starters With Current Limiting Circuit .....31,795.12 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 158.41	31,795.12	264.01
26 24 19 00-0167		<b>230 Volt Combination Starters With Current Limiting Circuit</b> <small>(26 24 19 00-0092)</small> Note: Reduced volt, energy saving		
26 24 19 00-0168	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 7.5 HP Combination Starters With Current Limiting Circuit .....20,417.14 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 64.35	20,417.14	107.26
26 24 19 00-0169	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 15 HP Combination Starters With Current Limiting Circuit .....21,604.18 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 79.20	21,604.18	132.01
26 24 19 00-0170	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 30 HP Combination Starters With Current Limiting Circuit .....23,765.00 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 91.58	23,765.00	152.63
26 24 19 00-0171	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 50 HP Combination Starters With Current Limiting Circuit .....35,597.87 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 101.48	35,597.87	169.14
26 24 19 00-0172	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 100 HP Combination Starters With Current Limiting Circuit .....48,265.17 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 123.76	48,265.17	206.26
26 24 19 00-0173	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 200 HP Combination Starters With Current Limiting Circuit .....67,659.06 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 158.41	67,659.06	264.01
26 24 19 00-0174		<b>480 Volt Combination Starters With Current Limiting Circuit</b> <small>(26 24 19 00-0092)</small> Note: Reduced volt, energy saving		
26 24 19 00-0175	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 10 HP Combination Starters With Current Limiting Circuit .....20,417.18 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 64.37	20,417.18	107.26



<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Low-Voltage Electrical Distribution</b>	<b>26 20</b>	
<b>Switchboards and Panelboards</b>	<b>26 24</b>	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0176	EA		480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 25 HP Combination Starters With Current Limiting Circuit.....	21,604.18	132.01
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	79.20	
26 24 19 00-0177	EA		480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 50 HP Combination Starters With Current Limiting Circuit.....	23,765.00	152.63
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	91.58	
26 24 19 00-0178	EA		480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 100 HP Combination Starters With Current Limiting Circuit.....	35,597.87	169.14
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	101.48	
26 24 19 00-0179	EA		480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 200 HP Combination Starters With Current Limiting Circuit.....	48,265.17	206.26
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	123.76	
26 24 19 00-0180	EA		480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 400 HP Combination Starters With Current Limiting Circuit.....	67,659.06	264.01
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	158.41	
<b>26 24 19 00-0181</b>			<b>Combination Starters With Fusible Switch</b> <small>(26 24 19)</small>		
			Note: Includes NEMA I enclosure of indoor installation, vertical free standing floor mounted sections (90" high x 20" wide x 16" to 20" deep), fully factory assembled and Wired Internally.		
<b>26 24 19 00-0182</b>			<b>230 Volt Combination Starters With Fusible Switch, Full Volt</b> <small>(26 24 19 00-0181)</small>		
			Note: 1-Speed non-reversing.		
26 24 19 00-0183	EA		7-1/2 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing.....	2,031.30	82.50
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	49.50	
26 24 19 00-0184	EA		15 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing.....	2,817.18	86.63
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	51.98	
26 24 19 00-0185	EA		30 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing.....	4,780.59	90.75
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	54.45	
26 24 19 00-0186	EA		50 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing.....	8,461.75	107.26
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	64.35	
26 24 19 00-0187	EA		100 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing.....	13,764.81	123.75
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	74.25	
26 24 19 00-0188	EA		200 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing.....	24,582.94	165.01
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	99.00	
<b>26 24 19 00-0189</b>			<b>480 Volt Combination Starters With Fusible Switch, Full Volt</b> <small>(26 24 19 00-0181)</small>		
			Note: 1-Speed non-reversing.		
26 24 19 00-0190	EA		10 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing.....	2,031.30	82.50
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	49.50	
26 24 19 00-0191	EA		25 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing.....	2,817.18	86.63
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	51.98	
26 24 19 00-0192	EA		50 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing.....	4,780.59	90.75
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	54.45	
26 24 19 00-0193	EA		100 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing.....	8,461.75	107.26
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	64.35	
26 24 19 00-0194	EA		200 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing.....	13,764.81	123.75
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	74.25	
26 24 19 00-0195	EA		400 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing.....	24,582.94	165.01
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	99.00	
<b>26 24 19 00-0196</b>			<b>230 Volt Combination Starters With Fusible Switch, Full Volt</b> <small>(26 24 19 00-0181)</small>		
			Note: 1-Speed reversing.		
26 24 19 00-0197	EA		7-1/2 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing.....	3,308.83	82.50
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	49.50	
26 24 19 00-0198	EA		15 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing.....	4,950.08	86.63
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	51.98	
26 24 19 00-0199	EA		30 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing.....	7,946.62	90.75
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	54.45	
26 24 19 00-0200	EA		50 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing.....	12,974.18	107.26
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	64.35	
26 24 19 00-0201	EA		100 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing.....	19,983.56	123.75
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	74.25	
26 24 19 00-0202	EA		200 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing.....	33,994.39	165.01
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	99.00	
<b>26 24 19 00-0203</b>			<b>480 Volt Combination Starters With Fusible Switch, Full Volt</b> <small>(26 24 19 00-0181)</small>		
			Note: 1-Speed reversing.		
26 24 19 00-0204	EA		10 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing.....	3,308.83	82.50
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	49.50	
26 24 19 00-0205	EA		25 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing.....	4,950.08	86.63
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	51.98	
26 24 19 00-0206	EA		50 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing.....	7,946.62	90.75
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	54.45	
26 24 19 00-0207	EA		100 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing.....	12,974.18	107.26
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	64.35	
26 24 19 00-0208	EA		200 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing.....	19,983.56	123.75
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	74.25	
26 24 19 00-0209	EA		400 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing.....	33,994.39	165.01
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	99.00	

**26 Electrical**  
**26 20 Low-Voltage Electrical Distribution**  
**26 24 Switchboards and Panelboards**



MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
CSI UOM			
26 24 19 00-0210	<b>230 Volt Combination Starters With Fusible Switch, Full Volt</b> <small>(26 24 19 00-0181)</small> Note: 2-Speed non-reversing, 2 wind.		
26 24 19 00-0211	EA 10 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter ..... 3,856.61 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 79.20	132.01	
26 24 19 00-0212	EA 15 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter ..... 5,326.17 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 84.15	140.26	
26 24 19 00-0213	EA 30 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter ..... 8,419.82 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 89.10	148.51	
26 24 19 00-0214	EA 50 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter ..... 15,090.86 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 101.48	169.14	
26 24 19 00-0215	EA 100 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter ..... 24,080.18 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 118.81	198.00	
26 24 19 00-0216	<b>480 Volt Combination Starters With Fusible Switch, Full Volt</b> <small>(26 24 19 00-0181)</small> Note: 2-Speed non-reversing, 2 wind.		
26 24 19 00-0217	EA 10 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter ..... 3,856.61 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 79.20	132.01	
26 24 19 00-0218	EA 25 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter ..... 5,326.17 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 84.15	140.26	
26 24 19 00-0219	EA 50 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter ..... 8,419.82 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 89.10	148.51	
26 24 19 00-0220	EA 100 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter ..... 15,090.86 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 101.48	169.14	
26 24 19 00-0221	EA 200 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter ..... 24,080.18 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 118.81	198.00	
26 24 19 00-0222	<b>230 Volt Combination Starters With Fusible Switch, Full Volt</b> <small>(26 24 19 00-0181)</small> Note: 2-Speed non-reversing, 1 wind.		
26 24 19 00-0223	EA 7-1/2 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter ..... 4,437.49 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 49.50	82.50	
26 24 19 00-0224	EA 15 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter ..... 6,787.49 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 51.98	86.63	
26 24 19 00-0225	EA 30 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter ..... 9,790.70 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 54.45	90.75	
26 24 19 00-0226	EA 50 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter ..... 19,775.04 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 64.35	107.26	
26 24 19 00-0227	<b>480 Volt Combination Starters With Fusible Switch, Full Volt</b> <small>(26 24 19 00-0181)</small> Note: 2-Speed non-reversing, 1 wind.		
26 24 19 00-0228	EA 10 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter ..... 4,437.49 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 49.50	82.50	
26 24 19 00-0229	EA 25 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter ..... 6,787.49 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 51.98	86.63	
26 24 19 00-0230	EA 50 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter ..... 9,790.70 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 54.45	90.75	
26 24 19 00-0231	EA 100 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter ..... 19,775.04 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 64.35	107.26	
26 24 19 00-0232	<b>230 Volt Combination Starters With Fusible Switch, Reduced Volt</b> <small>(26 24 19 00-0181)</small> Note: Auto-transformer.		
26 24 19 00-0233	EA 15 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer ..... 6,740.84 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 51.98	86.63	
26 24 19 00-0234	EA 30 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer ..... 11,931.86 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 56.93	94.88	
26 24 19 00-0235	EA 50 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer ..... 19,906.13 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 64.35	107.26	
26 24 19 00-0236	EA 100 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer ..... 26,588.91 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 74.25	123.75	
26 24 19 00-0237	EA 200 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer ..... 44,692.25 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 99.00	165.01	
26 24 19 00-0238	<b>480 Volt Combination Starters With Fusible Switch, Reduced Volt</b> <small>(26 24 19 00-0181)</small> Note: Auto-transformer.		
26 24 19 00-0239	EA 25 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer ..... 6,740.84 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 51.98	86.63	
26 24 19 00-0240	EA 50 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer ..... 11,931.86 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 56.93	94.88	
26 24 19 00-0241	EA 100 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer ..... 19,906.13 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 64.35	107.26	
26 24 19 00-0242	EA 200 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer ..... 26,588.91 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 74.25	123.75	
26 24 19 00-0243	EA 400 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer ..... 44,692.25 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> 99.00	165.01	
26 24 19 00-0244	<b>230 Volt Combination Starters With Fusible Switch, Reduced Volt</b> <small>(26 24 19 00-0181)</small> Note: Part winding.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0245 EA 10 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,758.66 79.20	132.01
26 24 19 00-0246 EA 25 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,310.72 91.58	152.63
26 24 19 00-0247 EA 50 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10,085.20 101.48	169.14
26 24 19 00-0248 EA 75 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20,170.79 123.76	206.26
<b>26 24 19 00-0249 480 Volt Combination Starters With Fusible Switch, Reduced Volt</b> <small>(26 24 19 00-0181)</small> Note: Part winding.		
26 24 19 00-0250 EA 15 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,758.66 79.20	132.01
26 24 19 00-0251 EA 40 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,310.72 91.58	152.63
26 24 19 00-0252 EA 75 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10,085.20 101.48	169.14
26 24 19 00-0253 EA 150 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20,170.79 123.76	206.26
<b>26 24 19 00-0254 230 Volt Combination Starters With Fusible Switch, Reduced Volt</b> <small>(26 24 19 00-0181)</small> Note: Energy saver.		
26 24 19 00-0255 EA 7.5 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19,777.26 64.35	107.26
26 24 19 00-0256 EA 15 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20,973.19 79.20	132.01
26 24 19 00-0257 EA 30 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23,156.23 91.58	152.63
26 24 19 00-0258 EA 50 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	35,093.53 101.48	169.14
26 24 19 00-0259 EA 100 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	47,874.14 123.76	206.26
26 24 19 00-0260 EA 200 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	64,977.37 158.41	264.01
<b>26 24 19 00-0261 480 Volt Combination Starters With Fusible Switch, Reduced Volt</b> <small>(26 24 19 00-0181)</small> Note: Energy saver.		
26 24 19 00-0262 EA 10 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19,777.26 64.35	107.26
26 24 19 00-0263 EA 25 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20,973.19 79.20	132.01
26 24 19 00-0264 EA 50 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23,156.23 91.58	152.63
26 24 19 00-0265 EA 100 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	35,093.53 101.48	169.14
26 24 19 00-0266 EA 200 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	47,874.14 123.76	206.26
26 24 19 00-0267 EA 400 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	64,977.37 158.41	264.01
<b>26 24 19 00-0268 Starter Accessories</b> <small>(26 24 19)</small> Note: Additional options or accessories for the Combination Starters		
<b>26 24 19 00-0269 Starter Modifications</b> <small>(26 24 19 00-0268)</small>		
26 24 19 00-0270 EA Size 1, 2, 50 VA, 60 Hertz, Standard Control Circuit Transformer .....	187.23	
26 24 19 00-0271 EA Size 3, 4, 150 VA, 60 Hertz, Standard Control Circuit Transformer .....	346.60	
26 24 19 00-0272 EA Size 5, 6, 50 VA, 60 Hertz, Control Circuit Transformer .....	495.46	
26 24 19 00-0273 EA Extra 50 VA, 60 Hertz, Control Circuit Transformer, All Sizes .....	124.42	
26 24 19 00-0274 EA Extra 100 VA, 60 Hertz, Control Circuit Transformer, All Sizes .....	175.52	
26 24 19 00-0275 EA Extra 150 VA, 60 Hertz, Control Circuit Transformer, All Sizes .....	295.50	
26 24 19 00-0276 EA Overload Relay Heater Elements, 3 Per Starter .....	73.32	
26 24 19 00-0277 EA N.O. Overload Relay Alarm .....	62.21	
26 24 19 00-0278 EA Control Circuit Fuses, Primary/Secondary .....	161.73	
26 24 19 00-0279 EA Control Devices Type PB2 Mount On Device, 2 Unit Pushbutton.....	199.96	
26 24 19 00-0280 EA Control Devices Type PB2 Mount On Device, 3 Unit Pushbutton.....	391.10	
26 24 19 00-0281 EA Control Devices Type PB2 Mount On Device, 2 Or 3 Post Select .....	199.96	
26 24 19 00-0282 EA Control Devices Type PB2 Mount On Device, Individual Light Full V .....	229.37	
26 24 19 00-0283 EA Control Devices Type PB2 Mount On Device, Individual Light Transformer .....	276.42	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 24 19 00-0284	EA	Control Devices Type PB2 Mount On Device, Individual Light Push To	326.41	
26 24 19 00-0285	EA	Blank Devices Panel	61.75	
26 24 19 00-0286	EA	Oversize Or Special Color Starter	97.04	
26 24 19 00-0287	EA	Mini Voltmeter/Ammeter With Current Transformer	833.41	
26 24 19 00-0288	EA	Mini Elapsed Time Meters, Non-Resettable	754.02	
26 24 19 00-0289	EA	Panel Elapsed Time Meter, Resettable	1,146.83	
26 24 19 00-0290	EA	Terminal Blocks, Side Mounted, Press Connection, Plug-In Press	97.04	
26 24 19 00-0291	EA	Terminal Blocks, Side Mounted, Press Connection, Plug-In Screw	138.21	
26 24 19 00-0292	EA	Terminal Blocks, Front Mounted, Press Connection, Standard	97.04	
26 24 19 00-0293	EA	Terminal Blocks, Front Mounted, Press Connection, Plug-In	138.21	
26 24 19 00-0294	EA	Terminal Blocks, Front Mounted, Press Connection, Screw-Type Utility	138.21	
26 24 19 00-0295	EA	Terminal Blocks, Front Mounted, Press Connection, Plug-In Screw Type	199.96	
26 24 19 00-0296	EA	MOR - A Solid State Modular Overload Relay	496.96	
26 24 19 00-0297	EA	Heater Module	79.21	
26 24 19 00-0298	EA	LAM - Long Acceleration Module	492.08	
26 24 19 00-0299	EA	JAM - Jam Protection Module	564.09	
26 24 19 00-0300	EA	PUM - Phase Unbalance Module	1,070.58	
26 24 19 00-0301	EA	ULM - Underload Module	513.69	
26 24 19 00-0302	EA	Wiring To Common Control Circuit Transformer	112.82	
26 24 19 00-0303	EA	Handle Operator Separable Source Control Circuit	211.24	
26 24 19 00-0304	EA	Type SIS Control Wire	88.81	
26 24 19 00-0305	EA	Ring Or Spade Terminals Control	112.82	
26 24 19 00-0306	EA	Ring Terminals Power	112.82	
26 24 19 00-0307	EA	14 Gauge Control Wire	88.81	
26 24 19 00-0308	EA	Wiremakers	112.82	
26 24 19 00-0309	EA	Wiring Diagram On Door	67.21	
26 24 19 00-0310	EA	Special Color Or Type Control Wire	81.61	
26 24 19 00-0311	EA	Current Transformer 12.5 VA	640.91	
26 24 19 00-0312	EA	Ground Fault Relay-Instant Non-Adjust, Size 1 Thru 4	2,047.54	
26 24 19 00-0313	EA	Ground Fault Relay-Instant Non-Adjust, Size 5 Thru 6	2,304.38	

#### 26 24 19 00-0314 Control Relays And Special Components (26 24 19 00-0268)

26 24 19 00-0315	EA	600 Volt, 2 Pole, Control Relays	553.87	
26 24 19 00-0316	EA	600 Volt, 4 Pole, Control Relays	650.37	
26 24 19 00-0317	EA	600 Volt, 6 Pole, Control Relays	755.13	
26 24 19 00-0318	EA	600 Volt, 8 Pole, Control Relays	837.09	
26 24 19 00-0319	EA	Pneumatic Timer, Control Relays	747.31	
26 24 19 00-0320	EA	Motor Driven Timer, Control Relays	1,947.38	
26 24 19 00-0321	EA	7 Days Time Switch, Control Relays	2,451.04	
26 24 19 00-0322	EA	24 Hour Time Switch, Control Relays	687.31	
26 24 19 00-0323	EA	Phase Voltage, Control Relays	1,169.15	
26 24 19 00-0324	EA	Two Circuit Alternator, Control Relays	1,636.45	
26 24 19 00-0325	EA	Manual 120 Volt, Control Relays	160.01	
26 24 19 00-0326	EA	Over-Current Relay, Control Relays	4,579.96	
26 24 19 00-0327	EA	UV-Relay, Control Relays	3,879.05	
26 24 19 00-0328	EA	Over-Current Relay, Control Relays	3,879.05	
26 24 19 00-0329	EA	Teleductor, Control Relays	1,205.52	
26 24 19 00-0330	EA	Current Transducer, Control Relays	3,241.99	
26 24 19 00-0331	EA	Watt Transducer, Control Relays	6,483.98	
26 24 19 00-0332	EA	Control Relays, Blank, Add For Each 1x	220.01	
26 24 19 00-0333	EA	Control Relays, Fixed Mounted Back Pan, 20" Structure With Wireway	329.11	
26 24 19 00-0334	EA	Control Relays, Fixed Mounted Back Pan, 24" Structure With Wireway	370.93	
26 24 19 00-0335	EA	Control Relays, Fixed Mounted Back Pan, 280" Structure With Wireway	412.75	
26 24 19 00-0336	EA	Control Relays, Fixed Mounted Back Pan, 20" Structure Without Wireway	370.93	
26 24 19 00-0337	EA	Control Relays, Fixed Mounted Back Pan, 24" Structure Without Wireway	412.75	
26 24 19 00-0338	EA	Control Relays, Fixed Mounted Back Pan, 2820" Structure Without Wireway	434.57	

#### 26 24 19 00-0339 Circuit Breaker Modifications/Accessories (26 24 19 00-0268)

26 24 19 00-0340	EA	Shunt Trip, Circuit Breaker	355.60	
26 24 19 00-0341	EA	Auxiliary Switch, Circuit Breaker	122.82	
26 24 19 00-0342	EA	Key Interlock, Circuit Breaker	441.77	
26 24 19 00-0343	EA	GFR Ground Fault, Circuit Breaker	2,036.51	
26 24 19 00-0344	EA	Seltronic Breaker, Circuit Breaker	1,179.71	

#### 26 24 19 00-0345 Incoming Line And Feeder Circuit Breakers (26 24 19 00-0268)

26 24 19 00-0346	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 100	1,995.11	53.62
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32.18	
26 24 19 00-0347	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 150	3,473.17	82.50
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	49.50	
26 24 19 00-0348	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 100/100	3,391.88	53.62
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32.18	
26 24 19 00-0349	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 100/150	4,867.01	82.50
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	49.50	
26 24 19 00-0350	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 150/150	6,290.25	82.50
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	49.50	
26 24 19 00-0351	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 250	3,793.24	107.26
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	64.37	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0352 EA Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 400 ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,250.43 69.32	115.50
26 24 19 00-0353 EA Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 600 ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8,251.17 89.06	148.51
26 24 19 00-0354 EA Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 800 ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9,619.73 136.18	226.88
26 24 19 00-0355 EA Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 1200 ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13,588.62 205.60	342.39
26 24 19 00-0356 EA Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 2000 ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30,280.27 272.03	453.77
26 24 19 00-0357 EA Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 2500 ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	45,425.64 341.24	569.28
26 24 19 00-0358 EA Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 3000 ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	76,262.02 396.36	659.95
26 24 19 00-0359 EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 50 ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,415.61 32.18	53.62
26 24 19 00-0360 EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 150 ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,881.91 49.50	82.50
26 24 19 00-0361 EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 50 ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,415.61 32.18	53.62
26 24 19 00-0362 EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 50/50 ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,881.91 49.50	82.50
26 24 19 00-0363 EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 50/150 ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,171.14 32.18	53.62
26 24 19 00-0364 EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 150/150 ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,696.25 49.50	82.50
26 24 19 00-0365 EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 50 ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7,101.85 49.50	82.50
26 24 19 00-0366 EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 100 ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,679.01 49.50	82.50
26 24 19 00-0367 EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 400 ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9,290.38 136.18	226.88
26 24 19 00-0368 EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 125-225 ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9,290.38 136.18	226.88
26 24 19 00-0369 EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 125-400 ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12,610.02 148.44	247.51
26 24 19 00-0370 EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 300-600 ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15,780.11 173.18	288.76
26 24 19 00-0371 EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 300-800 ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18,140.65 205.60	342.39
<b>26 24 19 00-0372 Incoming Line And Feeder Fusible Switches</b> <small>(26 24 19 00-0268)</small>		
26 24 19 00-0373 EA 30 To 60 Amperes, Incoming Line And Feeder Fusible Switches.....	1,859.69	82.50
26 24 19 00-0374 EA Incoming Line And Feeder Fusible Switches, 30 Dual / 60 Dual.....	2,913.47	82.50
26 24 19 00-0375 EA 100 Amperes, Incoming Line And Feeder Fusible Switches.....	3,435.02	103.13
26 24 19 00-0376 EA 200 Amperes, Incoming Line And Feeder Fusible Switches.....	5,655.30	123.75
26 24 19 00-0377 EA 400 Amperes, Incoming Line And Feeder Fusible Switches.....	11,284.93	156.75
26 24 19 00-0378 EA 600 Amperes, Incoming Line And Feeder Fusible Switches.....	15,850.60	206.26
26 24 19 00-0379 EA 800 Amperes, Incoming Line And Feeder Fusible Switches.....	38,906.45	276.39
26 24 19 00-0380 EA 1,200 Amperes, Incoming Line And Feeder Fusible Switches.....	43,782.30	383.65
<b>26 24 19 00-0381 Dry Type Distribution Transformers</b> <small>(26 24 19 00-0268)</small>		
26 24 19 00-0382 EA 500 VA, Phase 1, Dry Type Distribution Transformers.....	2,005.48	
26 24 19 00-0383 EA 750 VA, Phase 1, Dry Type Distribution Transformers.....	2,070.17	
26 24 19 00-0384 EA 1,000 VA, Phase 1, Dry Type Distribution Transformers.....	2,137.81	
26 24 19 00-0385 EA 1,500 VA, Phase 1, Dry Type Distribution Transformers.....	2,452.45	
26 24 19 00-0386 EA 2,000 VA, Phase 1, Dry Type Distribution Transformers.....	2,658.29	
26 24 19 00-0387 EA 3,000 VA, Phase 1, Dry Type Distribution Transformers.....	2,575.63	
26 24 19 00-0388 EA 5,000 VA, Phase 1, Dry Type Distribution Transformers.....	3,616.92	
26 24 19 00-0389 EA 7,500 VA, Phase 1, Dry Type Distribution Transformers.....	4,075.65	
26 24 19 00-0390 EA 9,000 VA, Phase 3, Dry Type Distribution Transformers.....	9,474.57	
26 24 19 00-0391 EA 10,000 VA, Phase 1, Dry Type Distribution Transformers.....	5,028.40	
26 24 19 00-0392 EA 15,000 VA, Phase 1, Dry Type Distribution Transformers.....	6,966.25	
26 24 19 00-0393 EA 15,000 VA, Phase 3, Dry Type Distribution Transformers.....	10,856.64	
26 24 19 00-0394 EA 20,000 VA, Phase 1, Dry Type Distribution Transformers.....	10,053.86	
26 24 19 00-0395 EA 30,000 VA, Phase 1, Dry Type Distribution Transformers.....	13,932.50	
26 24 19 00-0396 EA 30,000 VA, Phase 3, Dry Type Distribution Transformers.....	12,314.05	
26 24 19 00-0397 EA 45,000 VA, Phase 1, Dry Type Distribution Transformers.....	17,057.24	
<b>26 24 19 00-0398 Metering Equipment</b> <small>(26 24 19 00-0268)</small>		
26 24 19 00-0399 EA Metering Equipment, Voltmeter, Panel Type.....	946.87	
26 24 19 00-0400 EA Metering Equipment, Voltmeter, Switchboard Type.....	2,070.17	
26 24 19 00-0401 EA Metering Equipment, Ammeter, Panel.....	852.77	
26 24 19 00-0402 EA Metering Equipment, Ammeter, Switchboard Type.....	2,070.17	
26 24 19 00-0403 EA Metering Equipment, Voltmeter/Ammeter, Switch.....	1,149.77	
26 24 19 00-0404 EA Metering Equipment, Control Switch, 4 Circuits.....	1,220.34	
26 24 19 00-0405 EA Add For Additional Circuits.....	132.02	
26 24 19 00-0406 EA Metering Equipment, Indicating Wattmeter.....	4,269.73	
26 24 19 00-0407 EA Metering Equipment, Indicating Power Factor.....	4,472.63	

<b>26</b>	<b>Electrical</b>
<b>26 20</b>	<b>Low-Voltage Electrical Distribution</b>
<b>26 24</b>	<b>Switchboards and Panelboards</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0408 EA Metering Equipment, Integrating Watt-hour .....	3,943.33	
26 24 19 00-0409 EA Add For Demand Attachment .....	864.14	
26 24 19 00-0410 EA 800 Amperes, Metering Equipment, Current Transformer .....	1,179.18	
26 24 19 00-0411 EA 1,000 Amperes, Metering Equipment, Current Transformer .....	2,034.89	
26 24 19 00-0412 EA 2,000 Amperes, Metering Equipment, Current Transformer .....	2,370.11	
26 24 19 00-0413 EA Metering Equipment, Potential Transformer .....	1,976.07	
26 24 19 00-0414 EA Metering Equipment, Surge Arrester .....	2,126.04	
26 24 19 00-0415 EA Metering Equipment, Ground Detector System .....	1,626.14	
<b>26 24 19 00-0416 Current Limiting Reactors (26 24 19 00-0268)</b>		
26 24 19 00-0417 EA 600 Amperes, Current Limiting Reactors .....	36,295.65	
26 24 19 00-0418 EA 800 Amperes, Current Limiting Reactors .....	52,857.03	
26 24 19 00-0419 EA 1,000 Amperes, Current Limiting Reactors .....	69,456.64	
26 24 19 00-0420 EA 1,200 Amperes, Current Limiting Reactors .....	105,725.82	
<b>26 24 19 00-0421 Incoming Line Cable Space Requirements, Main Lugs Only (26 24 19 00-0268)</b>		
26 24 19 00-0422 EA Incoming Line Cable Space Requirement, 350 MCC, 2 Screw .....	482.13	
26 24 19 00-0423 EA Incoming Line Cable Space Requirement, 350 MCC, 2 Crimp .....	482.13	
26 24 19 00-0424 EA Incoming Line Cable Space Requirement, 350 MCC, 4 Screw .....	666.53	
26 24 19 00-0425 EA Incoming Line Cable Space Requirement, 350 MCC, 4 Crimp .....	1,219.76	
26 24 19 00-0426 EA Incoming Line Cable Space Requirement, 600 MCC, 2 Screw .....	666.53	
26 24 19 00-0427 EA Incoming Line Cable Space Requirement, 600 MCC, 2 Crimp .....	850.94	
26 24 19 00-0428 EA Incoming Line Cable Space Requirement, 600 MCC, 4 Screw .....	850.94	
26 24 19 00-0429 EA Incoming Line Cable Space Requirement, 600 MCC, 4 Crimp .....	1,217.54	
26 24 19 00-0430 EA Incoming Line Cable Space Requirement, 750 MCC, 2 Screw .....	850.94	
26 24 19 00-0431 EA Incoming Line Cable Space Requirement, 750 MCC, 2 Crimp .....	1,217.54	
26 24 19 00-0432 EA Incoming Line Cable Space Requirement, 750 MCC, 4 Screw .....	1,035.35	
26 24 19 00-0433 EA Incoming Line Cable Space Requirement, 750 MCC, 4 Crimp .....	3,357.11	
26 24 19 00-0434 EA Incoming Line Cable Space Requirement, 1,000 MCC, 2 Screw .....	1,035.35	
26 24 19 00-0435 EA Incoming Line Cable Space Requirement, 1,000 MCC, 2 Crimp .....	1,217.54	
26 24 19 00-0436 EA Incoming Line Cable Space Requirement, 1,000 MCC, 4 Screw .....	3,357.11	
26 24 19 00-0437 EA Incoming Line Cable Space Requirement, 1,000 MCC, 4 Crimp .....	3,357.11	
26 24 19 00-0438 EA Bus Duct Transition Pull Box .....	1,065.10	
26 24 19 00-0439 EA Throat And Transition To Substation .....	2,056.17	
26 24 19 00-0440 EA Service Entrance Label .....	445.29	
26 24 19 00-0441 EA Type W To 5 Star - 10" Transition .....	930.78	
26 24 19 00-0442 EA 600 Amperes, Sub Feed Lugs On Main Bus .....	573.70	
<b>26 24 19 00-0443 Standard Structures And Structure Options/Modifications (26 24 19 00-0268)</b>		
26 24 19 00-0444 EA Standard Structure Add For Each Additional 4" Of Structure Width .....	294.04	
26 24 19 00-0445 EA Standard Structure Add For 8" Vertical Wireway In Lieu Of 4" .....	294.04	
26 24 19 00-0446 EA Standard Structure Single Corner Section "L", 16" Depth .....	909.62	
26 24 19 00-0447 EA Standard Structure Single Corner Section "L", 21" Depth .....	1,025.97	
26 24 19 00-0448 EA Standard Structure Unused Space/Future Space .....	87.79	
26 24 19 00-0449 EA Standard Structure NEMA 12 Dustproof .....	236.92	
26 24 19 00-0450 EA Standard Structure Bottom Plate For NEMA 1 Gasket Enclosure .....	49.71	
26 24 19 00-0451 EA Standard Structure 150 Watt Space .....	213.66	
26 24 19 00-0452 EA Standard Structure Thermostat For Space Heater Control .....	698.52	
26 24 19 00-0453 EA Standard Structure Rear Hinged Structure Door, 72" High .....	213.66	
26 24 19 00-0454 EA Standard Structure NEMA 2 Drip Shield On Top Of MCC .....	451.28	
26 24 19 00-0455 EA Standard Structure NEMA 3R N-Walk In Front Mounted .....	6,437.87	
26 24 19 00-0456 EA Standard Structure NEMA 3R N-Walk In Back-to-back .....	7,441.24	
26 24 19 00-0457 EA Standard Structure NEMA 3R Walk-In Aisle Front Mounted .....	7,448.44	
<b>26 24 19 00-0458 Installation Hours For Vertical Sections (26 24 19 00-0268)</b>		
26 24 19 00-0459 EA Install Vertical Section, 230/480 Volt, 1 Section, 600 Amperes .....	495.00	247.51
26 24 19 00-0460 EA Install Vertical Section, 230/480 Volt, 2 Section, 600 Amperes .....	742.50	371.27
26 24 19 00-0461 EA Install Vertical Section, 230/480 Volt, 3 Section, 600 Amperes .....	825.04	412.52
26 24 19 00-0462 EA Install Vertical Section, 230/480 Volt, 4 Section, 600 Amperes .....	990.14	495.03
26 24 19 00-0463 EA Bolt To Floor, Vertical Section, 230/480 Volt, 600 Amperes .....	82.50	41.25
26 24 19 00-0464 EA Install Vertical Section, 230/480 Volt, 1 Section, 800 Amperes .....	495.00	247.51
26 24 19 00-0465 EA Install Vertical Section, 230/480 Volt, 2 Section, 800 Amperes .....	742.50	371.27
26 24 19 00-0466 EA Install Vertical Section, 230/480 Volt, 3 Section, 800 Amperes .....	825.04	412.52
26 24 19 00-0467 EA Install Vertical Section, 230/480 Volt, 4 Section, 800 Amperes .....	990.14	495.03
26 24 19 00-0468 EA Bolt To Floor, Vertical Section, 230/480 Volt, 800 Amperes .....	82.50	41.25
26 24 19 00-0469 EA Install Vertical Section, 230/480 Volt, 1 Section, 1,200 Amperes .....	577.54	288.76
26 24 19 00-0470 EA Install Vertical Section, 230/480 Volt, 2 Section, 1,200 Amperes .....	742.50	371.27
26 24 19 00-0471 EA Install Vertical Section, 230/480 Volt, 3 Section, 1,200 Amperes .....	990.14	495.03
26 24 19 00-0472 EA Install Vertical Section, 230/480 Volt, 4 Section, 1,200 Amperes .....	1,154.91	577.45
26 24 19 00-0473 EA Bolt To Floor, Vertical Section, 230/480 Volt, 1,200 Amperes .....	123.75	61.88
26 24 19 00-0474 EA Install Vertical Section, 230/480 Volt, 1 Section, 1,600 Amperes .....	660.03	330.01
26 24 19 00-0475 EA Install Vertical Section, 230/480 Volt, 2 Section, 1,600 Amperes .....	907.62	453.77
26 24 19 00-0476 EA Install Vertical Section, 230/480 Volt, 3 Section, 1,600 Amperes .....	1,154.91	577.45
26 24 19 00-0477 EA Install Vertical Section, 230/480 Volt, 4 Section, 1,600 Amperes .....	1,319.84	659.95
26 24 19 00-0478 EA Bolt To Floor, Vertical Section, 230/480 Volt, 1,600 Amperes .....	165.01	82.50
26 24 19 00-0479 EA Install Vertical Section, 230/480 Volt, 1 Section, 2,000 Amperes .....	660.03	330.01



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0480	EA			Install Vertical Section, 230/480 Volt, 2 Section, 2,000 Amperes .....	990.14	495.03
26 24 19 00-0481	EA			Install Vertical Section, 230/480 Volt, 3 Section, 2,000 Amperes .....	1,237.43	618.70
26 24 19 00-0482	EA			Install Vertical Section, 230/480 Volt, 4 Section, 2,000 Amperes .....	1,402.66	701.36
26 24 19 00-0483	EA			Bolt To Floor, Vertical Section, 230/480 Volt, 2,000 Amperes .....	165.01	82.50
<b>26 24 19 00-0484</b>				<b>Motor Control Centers <small>(26 24 19)</small></b>		
<b>26 24 19 00-0485</b>				<b>2.4 KV Motor Control Centers <small>(26 24 19 00-0484)</small></b>		
26 24 19 00-0486	EA			2.4 KV CL 11-202, Squirrel Cage Motor Control, 100 To 300 Hp .....	14,296.30	165.01
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	99.00	
26 24 19 00-0487	EA			2.4 KV CL 11-202, Squirrel Cage Motor Control, 400 Hp .....	14,296.30	165.01
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	99.00	
26 24 19 00-0488	EA			2.4 KV CL 11-202, Squirrel Cage Motor Control, 600 Hp .....	14,296.30	165.01
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	99.00	
26 24 19 00-0489	EA			2.4 KV CL 11-202, Squirrel Cage Motor Control, 700 Hp .....	14,337.58	185.63
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	111.39	
26 24 19 00-0490	EA			2.4 KV CL 11-202, Squirrel Cage Motor Control, 1,000 Hp .....	15,224.48	206.26
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	123.76	
26 24 19 00-0491	EA			2.400 KV CL 11-202, Squirrel Cage Motor Control, 1,250 Hp .....	15,265.72	226.88
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	136.13	
26 24 19 00-0492	EA			2.4 KV CL 11-202, Squirrel Cage Motor Control, 1,500 Hp .....	15,306.96	247.51
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	148.50	
26 24 19 00-0493	EA			2.4 KV CL 11-202, Squirrel Cage Motor Control, 1,750 Hp .....	15,389.50	288.76
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	173.26	
26 24 19 00-0494	EA			2.4 KV CL 11-202, Squirrel Cage Motor Control, 2,000 Hp .....	15,471.99	330.01
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	198.01	
26 24 19 00-0495	EA			2.4 KV CL 11-202, Squirrel Cage Motor Control, 2,250 Hp .....	26,095.37	371.27
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	222.75	
26 24 19 00-0496	EA			2.4 KV CL 11-202, Squirrel Cage Motor Control, 2,500 Hp .....	28,005.92	412.52
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	247.51	
26 24 19 00-0497	EA			2.4 KV CL 13-202, Wound Rotor Motor Control, 100 Hp .....	21,229.05	165.01
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	99.00	
26 24 19 00-0498	EA			2.4 KV CL 13-202, Wound Rotor Motor Control, 150 Hp .....	22,114.85	177.38
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	106.43	
26 24 19 00-0499	EA			2.4 KV CL 13-202, Wound Rotor Motor Control, 200 Hp .....	25,125.60	193.88
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	116.33	
26 24 19 00-0500	EA			2.4 KV CL 13-202, Wound Rotor Motor Control, 300 Hp .....	27,969.25	206.26
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	123.76	
26 24 19 00-0501	EA			2.4 KV CL 13-202, Wound Rotor Motor Control, 400 Hp .....	30,427.06	239.27
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	143.57	
26 24 19 00-0502	EA			2.4 KV CL 13-202, Wound Rotor Motor Control, 600 Hp .....	33,338.72	255.76
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	153.46	
26 24 19 00-0503	EA			2.4 KV CL 13-202, Wound Rotor Motor Control, 700 Hp .....	36,248.66	272.26
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	163.35	
26 24 19 00-0504	EA			2.4 KV CL 13-202, Wound Rotor Motor Control, 1,000 Hp .....	39,699.65	297.01
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	178.21	
26 24 19 00-0505	EA			2.4 KV CL 13-202, Wound Rotor Motor Control, 1,250 Hp .....	46,201.24	330.01
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	198.01	
26 24 19 00-0506	EA			2.4 KV CL 13-202, Wound Rotor Motor Control, 1,500 Hp .....	50,057.43	350.65
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	210.40	
26 24 19 00-0507	EA			2.4 KV CL 13-202, Wound Rotor Motor Control, 1,750 Hp .....	76,473.64	412.52
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	247.51	
26 24 19 00-0508	EA			2.4 KV CL 13-202, Wound Rotor Motor Control, 2,000 Hp .....	81,476.46	453.77
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	272.29	
26 24 19 00-0509	EA			2.4 KV CL 13-202, Wound Rotor Motor Control, 2,250 Hp .....	85,830.01	495.03
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	297.04	
26 24 19 00-0510	EA			2.4 KV CL 13-202, Wound Rotor Motor Control, 2,500 Hp .....	93,460.39	536.36
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	321.82	
26 24 19 00-0511	EA			2.4 KV CL 14-202, Synchronous Motor Control, 100 To 300 Hp .....	20,028.03	165.01
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	99.00	
26 24 19 00-0512	EA			2.4 KV CL 14-202, Synchronous Motor Control, 400 Hp .....	20,069.31	185.63
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	111.39	
26 24 19 00-0513	EA			2.4 KV CL 14-202, Synchronous Motor Control, 600 Hp .....	20,110.54	206.26
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	123.76	
26 24 19 00-0514	EA			2.4 KV CL 14-202, Synchronous Motor Control, 700 Hp .....	20,151.78	226.88
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	136.13	
26 24 19 00-0515	EA			2.4 KV CL 14-202, Synchronous Motor Control, 1,000 Hp .....	20,196.44	247.51
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	148.50	
26 24 19 00-0516	EA			2.400 Volt CL 14-202, Synchronous Motor Control, 1,250 HP .....	20,237.73	268.13
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	160.89	
26 24 19 00-0517	EA			2.4 KV CL 14-202, Synchronous Motor Control, 1,500 Hp .....	20,278.98	288.76
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	173.26	
26 24 19 00-0518	EA			2.4 KV CL 14-202, Synchronous Motor Control, 1,750 Hp .....	20,443.94	371.27
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	222.75	
26 24 19 00-0519	EA			2.4 KV CL 14-202, Synchronous Motor Control, 2,000 Hp .....	34,882.29	412.52
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	247.51	
26 24 19 00-0520	EA			2.4 KV CL 14-202, Synchronous Motor Control, 2,250 Hp .....	34,964.87	453.77
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	272.29	
26 24 19 00-0521	EA			2.4 KV CL 14-202, Synchronous Motor Control, 2,500 Hp .....	36,865.14	495.03
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	297.04	
26 24 19 00-0522	EA			Add For Reversing Starters, 100 To 700 HP .....	7,869.96	
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	49.50	

**26 Electrical**  
**26 20 Low-Voltage Electrical Distribution**  
**26 24 Switchboards and Panelboards**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24	19 00-0523	EA	Add For Reversing Starters, 1,000 To 1,500 Hp <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8,109.14 49.50	
26 24	19 00-0524	EA	Add For Reversing Starters, 1,750 To 2,500 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12,422.89 49.50	
<b>26 24 19 00-0525 4.8 KV Motor Control Centers <small>(26 24 19 00-0484)</small></b>					
26 24	19 00-0526	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 100 To 600 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15,546.13 148.50	247.51
26 24	19 00-0527	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 700 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15,587.42 160.89	268.13
26 24	19 00-0528	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 1,000 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15,628.67 173.26	288.76
26 24	19 00-0529	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 1,250 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15,669.94 185.64	309.39
26 24	19 00-0530	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 1,500 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16,548.29 198.01	330.01
26 24	19 00-0531	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 1,750 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16,589.59 210.40	350.65
26 24	19 00-0532	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 2,000 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16,630.76 222.75	371.27
26 24	19 00-0533	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 2,250 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16,672.09 235.15	391.90
26 24	19 00-0534	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 2,500 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16,713.30 247.51	412.52
26 24	19 00-0535	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 3,000 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28,347.58 321.82	536.36
26 24	19 00-0536	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 3,500 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28,429.75 346.47	577.45
26 24	19 00-0537	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 4,000 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30,331.73 371.23	618.70
26 24	19 00-0538	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 4,500 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30,414.14 395.95	659.95
26 24	19 00-0539	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 100 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21,636.63 148.50	247.51
26 24	19 00-0540	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 150 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21,917.10 160.89	268.13
26 24	19 00-0541	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 200 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25,563.10 173.26	288.76
26 24	19 00-0542	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 300 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28,414.72 185.64	309.39
26 24	19 00-0543	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 400 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30,847.72 198.01	330.01
26 24	19 00-0544	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 600 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	33,767.70 210.40	350.65
26 24	19 00-0545	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 700 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	36,508.16 222.75	371.27
26 24	19 00-0546	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 1,000 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	40,128.62 235.15	391.90
26 24	19 00-0547	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 1,250 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	46,490.96 247.51	412.52
26 24	19 00-0548	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 1,500 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	50,813.52 259.89	433.15
26 24	19 00-0549	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 1,750 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	55,177.33 284.65	474.40
26 24	19 00-0550	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 2,000 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	58,787.52 297.04	495.03
26 24	19 00-0551	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 2,250 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	62,192.55 309.39	515.65
26 24	19 00-0552	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 2,500 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	66,957.75 321.82	536.36
26 24	19 00-0553	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 3,000 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	106,173.79 395.95	659.95
26 24	19 00-0554	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 3,500 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	118,078.84 420.80	701.36
26 24	19 00-0555	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 4,000 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	141,950.86 445.50	742.53
26 24	19 00-0556	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 4,500 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	150,159.79 445.50	742.53
26 24	19 00-0557	EA	4.8 KV CL 14-202, Synchronous Motor Control, 100 To 600 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21,356.99 173.26	288.76
26 24	19 00-0558	EA	4.8 KV CL 14-202, Synchronous Motor Control, 700 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21,398.26 185.64	309.39
26 24	19 00-0559	EA	4.8 KV CL 14-202, Synchronous Motor Control, 1,000 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21,439.48 198.01	330.01
26 24	19 00-0560	EA	4.8 KV CL 14-202, Synchronous Motor Control, 1,250 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21,480.78 210.40	350.65
26 24	19 00-0561	EA	4.8 KV CL 14-202, Synchronous Motor Control, 1,500 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23,322.62 222.75	371.27
26 24	19 00-0562	EA	4.8 KV CL 14-202, Synchronous Motor Control, 1,750 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23,363.95 235.15	391.90
26 24	19 00-0563	EA	4.8 KV CL 14-202, Synchronous Motor Control, 2,000 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23,405.16 247.51	412.52



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0564 EA 4.8 KV CL 14-202, Synchronous Motor Control, 2,250 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23,446.43 259.89	433.15
26 24 19 00-0565 EA 4.8 KV CL 14-202, Synchronous Motor Control, 2,500 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23,487.74 272.29	453.77
26 24 19 00-0566 EA 4.8 KV CL 14-202, Synchronous Motor Control, 3,000 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23,735.03 346.47	577.45
26 24 19 00-0567 EA 4.8 KV CL 14-202, Synchronous Motor Control, 3,500 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	38,412.53 371.23	618.70
26 24 19 00-0568 EA 4.8 KV CL 14-202, Synchronous Motor Control, 4,000 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	40,305.86 395.95	659.95
26 24 19 00-0569 EA 4.8 KV CL 14-202, Synchronous Motor Control, 4,500 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	40,305.86 395.95	659.95
26 24 19 00-0570 EA Add For Reversing Starters, 100 To 1,250 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10,185.23 49.50	
26 24 19 00-0571 EA Add For Reversing Starters, 1,500 To 2,500 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10,496.28 49.50	
26 24 19 00-0572 EA Add For Reversing Starters, 3,000 To 4,500 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16,106.27 49.50	
<b>26 24 19 00-0573 2.4/4.8 KV Motor Control Centers, Accessories</b> <small>(26 24 19 00-0484)</small>		
26 24 19 00-0574 EA 2.4/4.8 KV Load Break Disconnect Switch 600 Amperes	13,216.32	165.01
26 24 19 00-0575 EA 2.4/4.8 KV Load Break Disconnect Switch 1,200 Amperes	15,849.71	247.51
26 24 19 00-0576 EA 2.4/4.8 KV NEMA 3 Weather Resistant	5,245.62	
26 24 19 00-0577 EA 2.4/4.8 KV Space Heaters	240.97	12.37
26 24 19 00-0578 EA 2.4/4.8 KV Potential Transformer Fused	1,519.70	
26 24 19 00-0579 EA 2.4/4.8 KV Current Transformer 600 Volt, 5 KVA	815.39	
26 24 19 00-0580 EA 2.4/4.8 KV Control Transformer 4 KVA Max	2,428.40	
26 24 19 00-0581 EA 2.4/4.8 KV Pushbuttons Each	155.52	
26 24 19 00-0582 EA 2.4/4.8 KV Selector Switch Each	515.45	
26 24 19 00-0583 EA 2.4/4.8 KV Indicating Light	155.52	
26 24 19 00-0584 EA 2.4/4.8 KV Push To Test Light	471.02	
26 24 19 00-0585 EA 2.4/4.8 KV AC Voltmeter, Switchboard Type	1,253.08	
26 24 19 00-0586 EA 2.4/4.8 KV AC Ammeter, Switchboard Type	1,253.08	
26 24 19 00-0587 EA 2.4/4.8 KV Power Factor Meter	3,748.14	
26 24 19 00-0588 EA 2.4/4.8 KV Watt Hr Meter, 2 Element Drawout	2,583.93	
26 24 19 00-0589 EA 2.4/4.8 KV Operation Counter	495.77	12.37
26 24 19 00-0590 EA 2.4/4.8 KV Phase Failure Protection	3,597.35	41.25
26 24 19 00-0591 EA 2.4/4.8 KV Ground Protection	6,910.99	20.63
26 24 19 00-0592 EA 2.4/4.8 KV Synchronous Motor DC Protection	2,371.53	20.63
26 24 19 00-0593 EA 2.4/4.8 KV Lightning Arresters	5,288.83	12.37
26 24 19 00-0594 EA 2.4/4.8 KV Portable Lifting Mechanism	7,673.41	
26 24 19 00-0595 EA 2.4/4.8 KV Auxiliary Timing Relay	589.74	41.25
26 24 19 00-0596 EA 2.4/4.8 KV Auxiliary Control Relay	417.93	41.25
<b>26 24 19 00-0597 Incoming Section And Feeder Air Circuit Breakers</b> <small>(26 24 19 00-0484)</small>		
Note: 3 Pole. Includes structure.		
26 24 19 00-0598 EA Incoming Section MCC, Air Circuit Breaker, 70 - 100 Amperes, 14,000 Ampere IC, 3-Pole, With Structure Included	1,016.44	247.48
26 24 19 00-0599 EA Incoming Section MCC, Air Circuit Breaker, 125 - 225 Amperes, 22,000 Ampere IC, 3-Pole, With Structure Included	1,760.87	438.07
26 24 19 00-0600 EA Incoming Section MCC, Air Circuit Breaker, 125 - 400 Amperes, 30,000 Ampere IC, 3-Pole, With Structure Included	2,089.79	560.91
26 24 19 00-0601 EA Incoming Section MCC, Air Circuit Breaker, 125 - 600 Amperes, 30,000 Ampere IC, 3-Pole, With Structure Included	3,364.91	903.24
26 24 19 00-0602 EA Incoming Section MCC, Air Circuit Breaker, 125 - 1,200 Amperes, 30,000 Ampere IC, 3-Pole, With Structure Included	3,973.48	993.56
26 24 19 00-0603 EA Incoming Section MCC, Air Circuit Breaker, 125 - 2,000 Amperes, 30,000 Ampere IC, 3-Pole, With Structure Included	5,195.94	1,101.95
26 24 19 00-0604 EA Incoming Section MCC, Air Circuit Breaker, 125 - 400 Amperes, 45,000 Ampere IC, 3-Pole, With Structure Included	6,043.52	1,291.63
26 24 19 00-0605 EA Incoming Section MCC, Air Circuit Breaker, 125 - 400 Amperes, 100,000 Ampere IC, 3-Pole, With Structure Included	10,737.10	1,504.79
<b>26 24 19 00-0606 Main Lugs Only</b> <small>(26 24 19 00-0484)</small>		
26 24 19 00-0607 EA 600 Amperes Incoming Section, Main Lugs	768.77	316.14
26 24 19 00-0608 EA 800 Amperes Incoming Section, Main Lugs	832.72	316.14
26 24 19 00-0609 EA 1,200 Amperes Incoming Section, Main Lugs	1,157.00	496.78
26 24 19 00-0610 EA 2,000 Amperes Incoming Section, Main Lugs	2,961.46	903.24
26 24 19 00-0611 EA 3,000 Amperes Incoming Section, Main Lugs	4,521.74	1,309.69
26 24 19 00-0612 EA 4,000 Amperes Incoming Section, Main Lugs	6,488.57	1,806.48
<b>26 24 19 00-0613 Incoming Main Circuit Breaker Structure</b> <small>(26 24 19 00-0484)</small>		
Note: Includes structure, main breaker, 42 KA bus bracing, 600 A tin plated copper bus, NEMA 1 enclosure, 15" cabinet depth, and 1/4" x 2" tin plated copper horizontal ground bus.		

<b>26</b>	<b>Electrical</b>
<b>26 20</b>	<b>Low-Voltage Electrical Distribution</b>
<b>26 24</b>	<b>Switchboards and Panelboards</b>



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0614	EA	225 Amperes, Main Circuit Breaker Section <i>For 800 Amperes, Tin Plated Copper Bus, Add</i> <i>For 1,200 Amperes, Tin Plated Copper Bus, Add</i> <i>For NEMA 1 With Gaskets, Add</i> <i>For NEMA 12, Add</i> <i>For 20" Cabinet Depth, Add</i>	5,757.61 182.00 334.00 97.00 245.00 108.00	437.08
26 24 19 00-0615	EA	400 Amperes, Main Circuit Breaker Section <i>For 800 Amperes, Tin Plated Copper Bus, Add</i> <i>For 1,200 Amperes, Tin Plated Copper Bus, Add</i> <i>For NEMA 1 With Gaskets, Add</i> <i>For NEMA 12, Add</i> <i>For 20" Cabinet Depth, Add</i>	12,353.03 182.00 334.00 97.00 245.00 108.00	561.46
26 24 19 00-0616	EA	600 Amperes, Main Circuit Breaker Section <i>For 800 Amperes, Tin Plated Copper Bus, Add</i> <i>For 1,200 Amperes, Tin Plated Copper Bus, Add</i> <i>For NEMA 1 With Gaskets, Add</i> <i>For NEMA 12, Add</i> <i>For 20" Cabinet Depth, Add</i>	12,721.94 182.00 334.00 97.00 245.00 108.00	874.51
26 24 19 00-0617	EA	800 Amperes, Main Circuit Breaker Section <i>For 800 Amperes, Tin Plated Copper Bus, Add</i> <i>For 1,200 Amperes, Tin Plated Copper Bus, Add</i> <i>For NEMA 1 With Gaskets, Add</i> <i>For NEMA 12, Add</i> <i>For 20" Cabinet Depth, Add</i>	18,207.55 182.00 334.00 97.00 245.00 108.00	874.51
26 24 19 00-0618	EA	1,200 Amperes, Main Circuit Breaker Section <i>For 800 Amperes, Tin Plated Copper Bus, Add</i> <i>For 1,200 Amperes, Tin Plated Copper Bus, Add</i> <i>For NEMA 1 With Gaskets, Add</i> <i>For NEMA 12, Add</i> <i>For 20" Cabinet Depth, Add</i>	26,452.09 182.00 334.00 97.00 245.00 108.00	989.50
26 24 19 00-0619		<b>Incoming Fusible Main Disconnect Section</b> <small>(26 24 19 00-0484)</small> Note: Includes structure, fuses, 42 KA bus bracing, 600 A tin plated copper bus, NEMA 1 enclosure, 15" cabinet depth, and 1/4" x 2" tin plated copper horizontal ground bus.		
26 24 19 00-0620	EA	200 Amperes, Fusible Main Disconnect Section <i>For 800 Amperes, Tin Plated Copper Bus, Add</i> <i>For 1,200 Amperes, Tin Plated Copper Bus, Add</i> <i>For NEMA 1 With Gaskets, Add</i> <i>For NEMA 12, Add</i> <i>For 20" Cabinet Depth, Add</i>	4,978.63 182.00 334.00 97.00 245.00 108.00	437.62
26 24 19 00-0621	EA	400 Amperes, Fusible Main Disconnect Section <i>For 800 Amperes, Tin Plated Copper Bus, Add</i> <i>For 1,200 Amperes, Tin Plated Copper Bus, Add</i> <i>For NEMA 1 With Gaskets, Add</i> <i>For NEMA 12, Add</i> <i>For 20" Cabinet Depth, Add</i>	6,889.33 182.00 334.00 97.00 245.00 108.00	561.73
26 24 19 00-0622	EA	600 Amperes, Fusible Main Disconnect Section <i>For 800 Amperes, Tin Plated Copper Bus, Add</i> <i>For 1,200 Amperes, Tin Plated Copper Bus, Add</i> <i>For NEMA 1 With Gaskets, Add</i> <i>For NEMA 12, Add</i> <i>For 20" Cabinet Depth, Add</i>	13,538.52 182.00 334.00 97.00 245.00 108.00	875.24
26 24 19 00-0623	EA	800 Amperes, Fusible Main Disconnect Section <i>For 800 Amperes, Tin Plated Copper Bus, Add</i> <i>For 1,200 Amperes, Tin Plated Copper Bus, Add</i> <i>For NEMA 1 With Gaskets, Add</i> <i>For NEMA 12, Add</i> <i>For 20" Cabinet Depth, Add</i>	15,788.82 182.00 334.00 97.00 245.00 108.00	875.24
26 24 19 00-0624	EA	1,200 Amperes, Fusible Main Disconnect Section <i>For 800 Amperes, Tin Plated Copper Bus, Add</i> <i>For 1,200 Amperes, Tin Plated Copper Bus, Add</i> <i>For NEMA 1 With Gaskets, Add</i> <i>For NEMA 12, Add</i> <i>For 20" Cabinet Depth, Add</i>	22,323.20 182.00 334.00 97.00 245.00 108.00	990.40
26 24 19 00-0625		<b>Circuit Breaker Combination Starters</b> <small>(26 24 19 00-0484)</small>		
26 24 19 00-0626		<b>Class I, Type A</b> <small>(26 24 19 00-0625)</small>		
26 24 19 00-0627	EA	Size 1, Class I, Type A Circuit Breaker Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	858.46 104.54	183.35
26 24 19 00-0628	EA	Size 2, Class I, Type A Circuit Breaker Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,001.61 115.80	183.35
26 24 19 00-0629	EA	Size 3, Class I, Type A Circuit Breaker Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,460.42 155.73	260.13
26 24 19 00-0630	EA	Size 4, Class I, Type A Circuit Breaker Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,403.13 205.28	342.33
26 24 19 00-0631	EA	Size 5, Class I, Type A Circuit Breaker Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,362.71 256.60	428.13
26 24 19 00-0632		<b>Class I, Type B</b> <small>(26 24 19 00-0625)</small>		
26 24 19 00-0633	EA	Size 1, Class I, Type B Circuit Breaker Combination Starter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	816.92 90.32	159.87



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0634 EA Size 2, Class I, Type B Circuit Breaker Combination Starter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	954.68 101.72	159.87
26 24 19 00-0635 EA Size 3, Class I, Type B Circuit Breaker Combination Starter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,404.51 138.96	231.23
26 24 19 00-0636 EA Size 4, Class I, Type B Circuit Breaker Combination Starter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,346.11 188.18	313.42
26 24 19 00-0637 EA Size 5, Class I, Type B Circuit Breaker Combination Starter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,316.72 242.81	400.14
<b>26 24 19 00-0638 Class I, Type C</b> <small>(26 24 19 00-0625)</small>		
26 24 19 00-0639 EA Size 1, Class I, Type C Circuit Breaker Combination Starter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	867.57 81.82	148.13
26 24 19 00-0640 EA Size 2, Class I, Type C Circuit Breaker Combination Starter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,013.11 96.09	148.13
26 24 19 00-0641 EA Size 3, Class I, Type C Circuit Breaker Combination Starter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,510.22 132.83	221.30
26 24 19 00-0642 EA Size 4, Class I, Type C Circuit Breaker Combination Starter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,456.94 183.59	306.20
26 24 19 00-0643 EA Size 5, Class I, Type C Circuit Breaker Combination Starter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,421.33 235.22	392.91
<b>26 24 19 00-0644 Class II, Type B</b> <small>(26 24 19 00-0625)</small>		
26 24 19 00-0645 EA Size 1, Class II, Type B Circuit Breaker Combination Starter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	851.11 124.07	219.49
26 24 19 00-0646 EA Size 2, Class II, Type B Circuit Breaker Combination Starter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,190.36 138.53	219.49
26 24 19 00-0647 EA Size 3, Class II, Type B Circuit Breaker Combination Starter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,696.13 175.05	292.65
26 24 19 00-0648 EA Size 4, Class II, Type B Circuit Breaker Combination Starter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,795.36 225.81	374.84
26 24 19 00-0649 EA Size 5, Class II, Type B Circuit Breaker Combination Starter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,099.28 275.38	457.94
<b>26 24 19 00-0650 Class II, Type C</b> <small>(26 24 19 00-0625)</small>		
26 24 19 00-0651 EA Size 1, Class II, Type C Circuit Breaker Combination Starter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,077.68 118.85	207.75
26 24 19 00-0652 EA Size 2, Class II, Type C Circuit Breaker Combination Starter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,240.23 129.77	207.75
26 24 19 00-0653 EA Size 3, Class II, Type C Circuit Breaker Combination Starter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,806.60 169.78	283.62
26 24 19 00-0654 EA Size 4, Class II, Type C Circuit Breaker Combination Starter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,899.59 219.23	365.82
26 24 19 00-0655 EA Size 5, Class II, Type C Circuit Breaker Combination Starter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,216.24 272.06	451.62
<b>26 24 19 00-0656 Fused Disconnect Combination Starter</b> <small>(26 24 19 00-0484)</small>		
<b>26 24 19 00-0657 Class I, Type A</b> <small>(26 24 19 00-0656)</small>		
26 24 19 00-0658 EA Size 1, Class I, Type A Fused Disconnect Combination Starter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	781.05 101.72	168.90
26 24 19 00-0659 EA Size 2, Class I, Type A Fused Disconnect Combination Starter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,182.83 138.53	231.23
26 24 19 00-0660 EA Size 3, Class I, Type A Fused Disconnect Combination Starter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,893.65 180.65	300.78
26 24 19 00-0661 EA Size 4, Class I, Type A Fused Disconnect Combination Starter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,588.19 253.72	421.81
26 24 19 00-0662 EA Size 5, Class I, Type A Fused Disconnect Combination Starter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,576.39 322.58	537.42
<b>26 24 19 00-0663 Class I, Type B</b> <small>(26 24 19 00-0656)</small>		
26 24 19 00-0664 EA Size 1, Class I, Type B Fused Disconnect Combination Starter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	799.98 90.32	150.84
26 24 19 00-0665 EA Size 2, Class I, Type B Fused Disconnect Combination Starter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,076.56 124.07	206.84
26 24 19 00-0666 EA Size 3, Class I, Type B Fused Disconnect Combination Starter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,598.93 166.04	276.39
26 24 19 00-0667 EA Size 4, Class I, Type B Fused Disconnect Combination Starter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,687.70 240.23	399.23
26 24 19 00-0668 EA Size 5, Class I, Type B Fused Disconnect Combination Starter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,663.57 305.15	507.62
<b>26 24 19 00-0669 Class I, Type C</b> <small>(26 24 19 00-0656)</small>		
26 24 19 00-0670 EA Size 1, Class I, Type C Fused Disconnect Combination Starter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	850.47 84.57	140.91
26 24 19 00-0671 EA Size 2, Class I, Type C Fused Disconnect Combination Starter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,142.46 115.80	191.49

<b>26</b>	<b>Electrical</b>
<b>26 20</b>	<b>Low-Voltage Electrical Distribution</b>
<b>26 24</b>	<b>Switchboards and Panelboards</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0672 EA Size 3, Class I, Type C Fused Disconnect Combination Starter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,744.61 161.29	266.45
26 24 19 00-0673 EA Size 4, Class I, Type C Fused Disconnect Combination Starter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,832.52 235.22	392.91
26 24 19 00-0674 EA Size 5, Class I, Type C Fused Disconnect Combination Starter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,407.42 301.08	502.20
<b>26 24 19 00-0675 Class II, Type B</b> <small>(26 24 19 00-0656)</small>		
26 24 19 00-0676 EA Size 1, Class II, Type B Fused Disconnect Combination Starter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,004.60 126.86	211.36
26 24 19 00-0677 EA Size 2, Class II, Type B Fused Disconnect Combination Starter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,299.85 157.91	263.74
26 24 19 00-0678 EA Size 3, Class II, Type B Fused Disconnect Combination Starter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,893.57 203.43	339.62
26 24 19 00-0679 EA Size 4, Class II, Type B Fused Disconnect Combination Starter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,102.36 275.38	457.94
26 24 19 00-0680 EA Size 5, Class II, Type B Fused Disconnect Combination Starter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,364.84 342.14	571.75
<b>26 24 19 00-0681 Class II, Type C</b> <small>(26 24 19 00-0656)</small>		
26 24 19 00-0682 EA Size 1, Class II, Type C Fused Disconnect Combination Starter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,047.56 118.85	198.71
26 24 19 00-0683 EA Size 2, Class II, Type C Fused Disconnect Combination Starter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,365.46 149.54	249.29
26 24 19 00-0684 EA Size 3, Class II, Type C Fused Disconnect Combination Starter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,017.34 194.66	324.26
26 24 19 00-0685 EA Size 4, Class II, Type C Fused Disconnect Combination Starter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,233.51 268.82	447.11
26 24 19 00-0686 EA Size 5, Class II, Type C Fused Disconnect Combination Starter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,492.80 332.07	553.68
<b>26 24 19 00-0687 Space Complete With Bus And Hardware</b> <small>(26 24 19 00-0484)</small>		
<b>26 24 19 00-0688 Circuit Breaker Type</b> <small>(26 24 19 00-0687)</small>		
26 24 19 00-0689 EA Circuit Breaker Type, Size 1 Space Complete With Bus And Hardware.....	239.11	61.42
26 24 19 00-0690 EA Circuit Breaker Type, Size 2 Space Complete With Bus And Hardware.....	239.11	61.42
26 24 19 00-0691 EA Circuit Breaker Type, Size 3 Space Complete With Bus And Hardware.....	355.76	89.43
26 24 19 00-0692 EA Circuit Breaker Type, Size 4 Space Complete With Bus And Hardware.....	419.16	117.42
26 24 19 00-0693 EA Circuit Breaker Type, Size 5 Space Complete With Bus And Hardware.....	708.78	178.84
<b>26 24 19 00-0694 Fused Disconnect Type</b> <small>(26 24 19 00-0687)</small>		
26 24 19 00-0695 EA Fused Disconnect Type, Size 1 Space Complete With Bus And Hardware.....	239.11	61.42
26 24 19 00-0696 EA Fused Disconnect Type, Size 2 Space Complete With Bus And Hardware.....	314.79	89.43
26 24 19 00-0697 EA Fused Disconnect Type, Size 3 Space Complete With Bus And Hardware.....	439.21	117.42
26 24 19 00-0698 EA Fused Disconnect Type, Size 4 Space Complete With Bus And Hardware.....	764.72	178.84
26 24 19 00-0699 EA Fused Disconnect Type, Size 5 Space Complete With Bus And Hardware.....	1,063.08	260.13
<b>26 24 19 00-0700 Blank Space For Future Expansion</b> <small>(26 24 19 00-0687)</small>		
Note: Factory modified no labor costs.		
26 24 19 00-0701 EA Blank Space For Future Expansion, Size 1 Factory Modified, No Crew Costs .....	116.72	
26 24 19 00-0702 EA Blank Space For Future Expansion, Size 2 Factory Modified, No Crew Costs .....	116.72	
26 24 19 00-0703 EA Blank Space For Future Expansion, Size 3 Factory Modified, No Crew Costs .....	176.97	
26 24 19 00-0704 EA Blank Space For Future Expansion, Size 4 Factory Modified, No Crew Costs .....	176.97	
26 24 19 00-0705 EA Blank Space For Future Expansion, Size 5 Factory Modified, No Crew Costs .....	352.05	
<b>26 24 19 00-0706 Structure Combination Of Starters To 72" High</b> <small>(26 24 19 00-0687)</small>		
26 24 19 00-0707 EA Structure Combination Of Starters To 72" High .....	2,848.28	475.37
<b>26 24 19 00-0708 Motor Control Center Basic Distribution Section</b> <small>(26 24 19 00-0484)</small>		
26 24 19 00-0709 EA 20" Wide Basic Section With Vertical Wireway .....	4,652.78	1,237.97
<i>For 20" Cabinet Depth, Add</i>	108.00	
<i>For 800 Amperes, Tin Plated Copper Bus, Add</i>	182.00	
<i>For 1,200 Amperes, Tin Plated Copper Bus, Add</i>	334.00	
<i>For 1,600 Amperes, Tin Plated Copper Bus, Add</i>	402.00	
<i>For 2,000 Amperes, Tin Plated Copper Bus, Add</i>	506.00	
<i>For NEMA 1 With Gasket, Add</i>	97.00	
<i>For NEMA 12, Add</i>	245.00	
<i>For 600 Amperes, Tin Plated Copper Vertical, Add</i>	210.00	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0710 EA 25" To 35" Wide Basic Section (No Vertical Wireway).....	4,652.78	1,237.97
For 20" Cabinet Depth, Add	108.00	
For 800 Amperes, Tin Plated Copper Bus, Add	182.00	
For 1,200 Amperes, Tin Plated Copper Bus, Add	334.00	
For 1,600 Amperes, Tin Plated Copper Bus, Add	402.00	
For 2,000 Amperes, Tin Plated Copper Bus, Add	506.00	
For NEMA 1 With Gasket, Add	97.00	
For NEMA 12, Add	245.00	
For 600 Amperes, Tin Plated Copper Vertical, Add	210.00	
26 24 19 00-0711 EA 25" Wide Basic Section With 9" Wide Vertical Wireway .....	5,165.71	1,237.97
For 20" Cabinet Depth, Add	108.00	
For 800 Amperes, Tin Plated Copper Bus, Add	182.00	
For 1,200 Amperes, Tin Plated Copper Bus, Add	334.00	
For 1,600 Amperes, Tin Plated Copper Bus, Add	402.00	
For 2,000 Amperes, Tin Plated Copper Bus, Add	506.00	
For NEMA 1 With Gasket, Add	97.00	
For NEMA 12, Add	245.00	
For 600 Amperes, Tin Plated Copper Vertical, Add	210.00	
26 24 19 00-0712 EA Corner Section.....	5,165.71	1,237.97
For 20" Cabinet Depth, Add	108.00	
For 800 Amperes, Tin Plated Copper Bus, Add	182.00	
For 1,200 Amperes, Tin Plated Copper Bus, Add	334.00	
For 1,600 Amperes, Tin Plated Copper Bus, Add	402.00	
For 2,000 Amperes, Tin Plated Copper Bus, Add	506.00	
For NEMA 1 With Gasket, Add	97.00	
For NEMA 12, Add	245.00	
For 600 Amperes, Tin Plated Copper Vertical, Add	210.00	
<b>26 24 19 00-0713 Motor Control Center Starters With HMCP Circuit Breaker</b> <small>(26 24 19 00-0484)</small>		
<small>Note: Includes door, unit support pan, heater elements, and NEMA 1 with gasket, or NEMA 12 enclosure. Line voltages of 208 V, 240 V, 480 V, and 600 V.</small>		
<b>26 24 19 00-0714 FVNR Starters With HMCP Circuit Breaker</b> <small>(26 24 19 00-0713)</small>		
26 24 19 00-0715 EA Class 1, Type A, Size 1 FVNR Starters With HMCP Circuit Breaker .....	1,240.23	173.88
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	104.32	
26 24 19 00-0716 EA Class 1, Type A, Size 2 FVNR Starters With HMCP Circuit Breaker .....	1,380.60	192.84
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	115.70	
26 24 19 00-0717 EA Class 1, Type A, Size 3 FVNR Starters With HMCP Circuit Breaker .....	2,410.31	259.23
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	155.55	
26 24 19 00-0718 EA Class 1, Type A, Size 4 FVNR Starters With HMCP Circuit Breaker .....	3,503.70	341.78
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	205.10	
26 24 19 00-0719 EA Class 1, Type A, Size 5 FVNR Starters With HMCP Circuit Breaker .....	8,065.94	427.14
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	256.31	
26 24 19 00-0720 EA Class 1, Type A, Size 6 FVNR Starters With HMCP Circuit Breaker .....	18,993.21	427.14
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	256.31	
26 24 19 00-0721 EA Class 1, Type B, Size 1 FVNR Starters With HMCP Circuit Breaker .....	1,257.77	150.39
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	90.23	
26 24 19 00-0722 EA Class 1, Type B, Size 2 FVNR Starters With HMCP Circuit Breaker .....	1,418.60	169.35
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	101.61	
26 24 19 00-0723 EA Class 1, Type B, Size 3 FVNR Starters With HMCP Circuit Breaker .....	2,471.90	231.23
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	138.73	
26 24 19 00-0724 EA Class 1, Type B, Size 4 FVNR Starters With HMCP Circuit Breaker .....	3,512.32	313.42
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	188.07	
26 24 19 00-0725 EA Class 1, Type B, Size 5 FVNR Starters With HMCP Circuit Breaker .....	8,086.30	404.65
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	242.81	
26 24 19 00-0726 EA Class 1, Type B, Size 6 FVNR Starters With HMCP Circuit Breaker .....	19,131.15	404.65
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	242.81	
<b>26 24 19 00-0727 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker</b> <small>(26 24 19 00-0713)</small>		
26 24 19 00-0728 EA Class 1, Type A, Size 1 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker.....	2,000.03	217.59
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	130.52	
26 24 19 00-0729 EA Class 1, Type A, Size 2 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker.....	2,459.56	240.71
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	144.44	
26 24 19 00-0730 EA Class 1, Type A, Size 3 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker.....	4,069.77	323.54
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	194.11	
26 24 19 00-0731 EA Class 1, Type A, Size 4 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker.....	7,030.16	427.68
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	256.60	
26 24 19 00-0732 EA Class 1, Type A, Size 5 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker.....	12,749.12	535.08
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	321.05	
26 24 19 00-0733 EA Class 1, Type B, Size 1 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker.....	2,038.72	187.88
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	112.72	
26 24 19 00-0734 EA Class 1, Type B, Size 2 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker.....	2,519.41	211.81
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	127.10	
26 24 19 00-0735 EA Class 1, Type B, Size 3 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker.....	4,152.10	289.49
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	173.70	
26 24 19 00-0736 EA Class 1, Type B, Size 4 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker.....	7,056.93	392.00
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	235.22	
26 24 19 00-0737 EA Class 1, Type B, Size 5 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker.....	12,789.58	506.26
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	303.78	
<b>26 24 19 00-0738 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker</b> <small>(26 24 19 00-0713)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0739 EA Class 1, Type A, Size 1 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker.....	2,196.14	217.59
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	130.52	
26 24 19 00-0740 EA Class 1, Type A, Size 2 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker.....	3,140.71	240.71
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	144.44	
26 24 19 00-0741 EA Class 1, Type A, Size 3 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker.....	5,956.34	323.54
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	194.11	
26 24 19 00-0742 EA Class 1, Type A, Size 4 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker.....	8,113.98	427.68
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	256.60	
26 24 19 00-0743 EA Class 1, Type A, Size 5 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker.....	16,337.91	535.08
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	321.05	
26 24 19 00-0744 EA Class 1, Type B, Size 1 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker.....	2,234.83	187.88
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	112.72	
26 24 19 00-0745 EA Class 1, Type B, Size 2 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker.....	3,200.56	211.81
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	127.10	
26 24 19 00-0746 EA Class 1, Type B, Size 3 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker.....	6,038.67	289.49
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	173.70	
26 24 19 00-0747 EA Class 1, Type B, Size 4 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker.....	8,140.76	392.00
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	235.22	
26 24 19 00-0748 EA Class 1, Type B, Size 5 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker.....	16,378.38	506.26
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	303.78	
<b>26 24 19 00-0749 Motor Control Center Starters With Fusible Disconnect</b> <small>(26 24 19 00-0484)</small>		
Note: Includes fuses, door, unit support pan, heater elements, and NEMA 1 with gasket, or NEMA 12 enclosure. Line voltages of 208 V, 240 V, 480 V, and 600 V.		
<b>26 24 19 00-0750 FVNR Starters With Fusible Disconnect</b> <small>(26 24 19 00-0749)</small>		
26 24 19 00-0751 EA Class 1, Type A, Size 1 FVNR Starters With Fusible Disconnect.....	994.06	169.53
26 24 19 00-0752 EA Class 1, Type A, Size 2 FVNR Starters With Fusible Disconnect.....	1,293.65	230.41
26 24 19 00-0753 EA Class 1, Type A, Size 3 FVNR Starters With Fusible Disconnect.....	2,175.97	300.24
26 24 19 00-0754 EA Class 1, Type A, Size 4 FVNR Starters With Fusible Disconnect.....	3,688.00	422.89
26 24 19 00-0755 EA Class 1, Type A, Size 5 FVNR Starters With Fusible Disconnect.....	7,480.20	537.60
26 24 19 00-0756 EA Class 1, Type A, Size 6 FVNR Starters With Fusible Disconnect.....	19,147.37	537.60
26 24 19 00-0757 EA Class 1, Type B, Size 1 FVNR Starters With Fusible Disconnect.....	1,019.31	150.30
26 24 19 00-0758 EA Class 1, Type B, Size 2 FVNR Starters With Fusible Disconnect.....	1,330.60	206.39
26 24 19 00-0759 EA Class 1, Type B, Size 3 FVNR Starters With Fusible Disconnect.....	2,246.52	276.75
26 24 19 00-0760 EA Class 1, Type B, Size 4 FVNR Starters With Fusible Disconnect.....	3,708.39	400.41
26 24 19 00-0761 EA Class 1, Type B, Size 5 FVNR Starters With Fusible Disconnect.....	7,487.45	508.61
26 24 19 00-0762 EA Class 1, Type B, Size 6 FVNR Starters With Fusible Disconnect.....	19,272.28	508.61
<b>26 24 19 00-0763 Two Speed 2-Winding (TS2W) With Fusible Disconnect</b> <small>(26 24 19 00-0749)</small>		
26 24 19 00-0764 EA Class 1, Type A, Size 1 Two Speed 2-Winding (TS2W) With Fusible Disconnect.....	1,730.54	212.26
26 24 19 00-0765 EA Class 1, Type A, Size 2 Two Speed 2-Winding (TS2W) With Fusible Disconnect.....	2,412.94	288.04
26 24 19 00-0766 EA Class 1, Type A, Size 3 Two Speed 2-Winding (TS2W) With Fusible Disconnect.....	3,751.97	375.11
26 24 19 00-0767 EA Class 1, Type A, Size 4 Two Speed 2-Winding (TS2W) With Fusible Disconnect.....	7,922.63	530.11
26 24 19 00-0768 EA Class 1, Type A, Size 5 Two Speed 2-Winding (TS2W) With Fusible Disconnect.....	12,944.49	620.34
26 24 19 00-0769 EA Class 1, Type B, Size 1 Two Speed 2-Winding (TS2W) With Fusible Disconnect.....	1,778.99	187.88
26 24 19 00-0770 EA Class 1, Type B, Size 2 Two Speed 2-Winding (TS2W) With Fusible Disconnect.....	2,470.10	257.78
26 24 19 00-0771 EA Class 1, Type B, Size 3 Two Speed 2-Winding (TS2W) With Fusible Disconnect.....	3,844.78	346.30
26 24 19 00-0772 EA Class 1, Type B, Size 4 Two Speed 2-Winding (TS2W) With Fusible Disconnect.....	7,959.71	499.58
26 24 19 00-0773 EA Class 1, Type B, Size 5 Two Speed 2-Winding (TS2W) With Fusible Disconnect.....	12,971.83	585.03
<b>26 24 19 00-0774 Two Speed 1-Winding (TS1W) With Fusible Disconnect</b> <small>(26 24 19 00-0749)</small>		
26 24 19 00-0775 EA Class 1, Type A, Size 1 Two Speed 1-Winding (TS1W) With Fusible Disconnect.....	2,026.01	212.26
26 24 19 00-0776 EA Class 1, Type A, Size 2 Two Speed 1-Winding (TS1W) With Fusible Disconnect.....	3,104.55	288.04
26 24 19 00-0777 EA Class 1, Type A, Size 3 Two Speed 1-Winding (TS1W) With Fusible Disconnect.....	5,658.15	375.11
26 24 19 00-0778 EA Class 1, Type A, Size 4 Two Speed 1-Winding (TS1W) With Fusible Disconnect.....	8,320.08	530.11
26 24 19 00-0779 EA Class 1, Type A, Size 5 Two Speed 1-Winding (TS1W) With Fusible Disconnect.....	15,803.76	620.34
26 24 19 00-0780 EA Class 1, Type B, Size 1 Two Speed 1-Winding (TS1W) With Fusible Disconnect.....	2,075.33	187.88
26 24 19 00-0781 EA Class 1, Type B, Size 2 Two Speed 1-Winding (TS1W) With Fusible Disconnect.....	3,161.71	257.78
26 24 19 00-0782 EA Class 1, Type B, Size 3 Two Speed 1-Winding (TS1W) With Fusible Disconnect.....	5,750.96	346.30
26 24 19 00-0783 EA Class 1, Type B, Size 4 Two Speed 1-Winding (TS1W) With Fusible Disconnect.....	8,357.16	499.58
26 24 19 00-0784 EA Class 1, Type B, Size 5 Two Speed 1-Winding (TS1W) With Fusible Disconnect.....	15,831.10	585.03
<b>26 24 19 00-0785 Tin Plated Copper Bus Bar And Ground Bus Bar Splice Kit</b> <small>(26 24 19 00-0484)</small>		
Note: Per section. Labor is included in basic distribution section.		
26 24 19 00-0786 EA 600 Amperes, Horizontal Tin Plated Copper Bus Kit.....	221.35	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.79	
26 24 19 00-0787 EA 800 Amperes, Horizontal Tin Plated Copper Bus Kit.....	271.91	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.79	
26 24 19 00-0788 EA 1,200 Amperes, Horizontal Tin Plated Copper Bus Kit.....	326.99	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.15	
26 24 19 00-0789 EA 1,600 Amperes, Horizontal Tin Plated Copper Bus Kit.....	426.35	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.15	
26 24 19 00-0790 EA 2,000 Amperes, Horizontal Tin Plated Copper Bus Kit.....	716.75	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.50	
26 24 19 00-0791 EA 1/4" x 2" Horizontal Tin Plated Copper Ground Bus Kit.....	126.18	
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.43	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>26 24 19 00-0792</b> <b>Disconnect Switch For Motor Control Centers</b> <small>(26 24 19 00-0484)</small>		
<b>26 24 19 00-0793</b> <b>3 Pole Circuit Breaker Disconnect For Motor Control Center</b> <small>(26 24 19 00-0792)</small>		
Note: Includes door, unit support pan, inverse time (Thermal Magnetic) circuit breaker, and NEMA 1, NEMA 1 with gasket, or NEMA 12 enclosure. Class 1 type A (no starters).		
26 24 19 00-0794      EA    150 Amperes Rating, 15 To 100 Amperes Trip Range, 3 Pole Circuit Breaker Disconnect.....	770.40	130.52
26 24 19 00-0795      EA    150 Amperes Rating, 125 To 150 Amperes Trip Range, 3 Pole Circuit Breaker Disconnect.....	1,363.16	144.52
26 24 19 00-0796      EA    225 Amperes Rating, 70 To 225 Amperes Trip Range, 3 Pole Circuit Breaker Disconnect.....	1,659.75	194.65
26 24 19 00-0797      EA    400 Amperes Rating, 125 To 400 Amperes Trip Range, 3 Pole Circuit Breaker Disconnect.....	2,765.89	256.52
26 24 19 00-0798      EA    600 Amperes Rating, 300 To 600 Amperes Trip Range, 3 Pole Circuit Breaker Disconnect.....	4,800.53	320.65
26 24 19 00-0799      EA    800 Amperes Rating, 400 To 800 Amperes Trip Range, 3 Pole Circuit Breaker Disconnect.....	5,484.26	320.65
26 24 19 00-0800      EA    1,200 Amperes Rating, 600 To 1,200 Amperes Trip Range, 3 Pole Circuit Breaker Disconnect.....	11,344.69	401.49
<b>26 24 19 00-0801</b> <b>Fusible Disconnect Switch For Motor Control Center</b> <small>(26 24 19 00-0792)</small>		
Note: Includes door, unit support pan, fuses and NEMA 1, NEMA 1 with gasket, or NEMA 12 enclosure. Class 1 type A (no starters).		
26 24 19 00-0802      EA    30 Amperes Switch Rating, Fusible Disconnect Switch With 30 Amperes Fuse Clips.....	685.24	126.91
26 24 19 00-0803      EA    60 Amperes Switch Rating, Fusible Disconnect Switch With 60 Amperes Fuse Clips.....	803.56	172.97
26 24 19 00-0804      EA    100 Amperes Switch Rating, Fusible Disconnect Switch With 100 Amperes Fuse Clips.....	1,104.13	221.30
26 24 19 00-0805      EA    200 Amperes Switch Rating, Fusible Disconnect Switch With 200 Amperes Fuse Clips.....	2,076.17	317.04
26 24 19 00-0806      EA    400 Amperes Switch Rating, Fusible Disconnect Switch With 400 Amperes Fuse Clips.....	3,718.02	403.21
26 24 19 00-0807      EA    600 Amperes Switch Rating, Fusible Disconnect Switch With 600 Amperes Fuse Clips.....	8,633.82	403.21
26 24 19 00-0808      EA    800 Amperes Switch Rating, Fusible Disconnect Switch With 800 Amperes Fuse Clips.....	10,672.33	504.01
26 24 19 00-0809      EA    1,200 Amperes Switch Rating, Fusible Disconnect Switch With 1,200 Amperes Fuse Clips.....	15,818.22	504.01
<b>26 24 19 00-0810</b> <b>Control Circuit Transformer</b> <small>(26 24 19 00-0484)</small>		
26 24 19 00-0811      EA    Control Circuit Transformer, Size 1 Factory Installed .....	62.27	
26 24 19 00-0812      EA    Control Circuit Transformer, Size 2 Factory Installed .....	62.27	
26 24 19 00-0813      EA    Control Circuit Transformer, Size 3 Factory Installed .....	119.93	
26 24 19 00-0814      EA    Control Circuit Transformer, Size 4 Factory Installed .....	119.93	
26 24 19 00-0815      EA    Control Circuit Transformer, Size 5 Factory Installed .....	166.61	
26 24 19 00-0816      EA    Control Circuit Fuse And Holder Small Dim, Dual Element Time Delay .....	43.99	10.23
<b>26 24 19 00-0817</b> <b>Cover Mounted Control Devices</b> <small>(26 24 19 00-0484)</small>		
26 24 19 00-0818      EA    Control Device, 2 Unit Push Button Station Cover Mounted.....	99.90	18.06
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	11.29	
26 24 19 00-0819      EA    Control Device, 2-3 Unit Selector Switch Cover Mounted.....	111.62	18.06
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	14.11	
26 24 19 00-0820      EA    Control Device, Pilot Light Cover Mounted .....	95.07	18.06
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	8.46	
26 24 19 00-0821      EA    Control Device, Hand-Off-Auto Switch Cover Mounted With Pilot Light .....	252.56	61.42
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	37.02	
26 24 19 00-0822      EA    Auxiliary Contact Add Per Starter .....	314.87	23.39
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	14.04	
<b>26 24 19 00-0823</b> <b>Extra Interlocks</b> <small>(26 24 19 00-0484)</small>		
Note: Per contact.		
26 24 19 00-0824      EA    Extra Interlocks, Class I, Type A Per Contact.....	64.64	11.74
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	8.46	
26 24 19 00-0825      EA    Extra Interlocks, Class I, Type B Per Contact.....	90.68	11.74
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	8.46	
26 24 19 00-0826      EA    Extra Interlocks, Class I, Type C Per Contact.....	101.62	11.74
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	7.06	
26 24 19 00-0827      EA    Extra Interlocks, Class II, Type B Per Contact.....	91.71	11.74
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	5.65	
26 24 19 00-0828      EA    Extra Interlocks, Class II, Type C Per Contact.....	97.51	11.74
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	4.26	
<b>26 24 19 00-0829</b> <b>Special Cabinet Provisions</b> <small>(26 24 19 00-0484)</small>		
26 24 19 00-0830      EA    Provisions For Bus Duct Entrance Special Cabinet Provisions .....	779.55	
<b>26 24 19 00-0831</b> <b>Nameplate Requirements</b> <small>(26 24 19 00-0484)</small>		
26 24 19 00-0832      EA    Special Cabinet Nameplate Requirements .....	27.68	
<b>26 24 19 00-0833</b> <b>Auxiliary Relays</b> <small>(26 24 19 00-0484)</small>		
26 24 19 00-0834      EA    Industrial Control Relay, 10 Amperes, Class A600 With 2 Contacts.....	147.76	22.63
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	13.58	
26 24 19 00-0835      EA    Timing Relay, Solid State, DPDT 0.1-10 Sec Variable, Off-Delay .....	139.44	20.36
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	13.58	
26 24 19 00-0836      EA    General Purpose Control Relay, 240 Volt AC, 10 Amperes, With Base .....	77.29	20.36
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	13.58	
<b>26 24 19 00-0837</b> <b>Motor Control Center Accessories</b> <small>(26 24 19 00-0484)</small>		



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

<b>26 24 19 00-0838</b>	<b>Lighting Transformer With Circuit Breaker</b> <small>(26 24 19 00-0837)</small>		
	Note: For 240 V, 480 V, or 600 V primary. Includes door, unit support pan, and NEMA 1, NEMA 1 with gasket, or NEMA 12 enclosure for MCC only.		
26 24 19 00-0839	EA 1 Phase, 5 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker.....	4,463.57	293.00
26 24 19 00-0840	EA 1 Phase, 7.5 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker.....	4,640.76	304.72
26 24 19 00-0841	EA 1 Phase, 10 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker.....	5,078.44	328.16
26 24 19 00-0842	EA 1 Phase, 15 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker.....	6,394.36	351.60
26 24 19 00-0843	EA 1 Phase, 25 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker.....	8,614.13	375.04
26 24 19 00-0844	EA 1 Phase, 37.5 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker.....	10,588.21	421.92
26 24 19 00-0845	EA 1 Phase, 50 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker.....	13,926.89	468.80
26 24 19 00-0846	EA 3 Phase, 10 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker.....	8,115.43	386.76
26 24 19 00-0847	EA 3 Phase, 15 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker.....	8,816.71	421.92
26 24 19 00-0848	EA 3 Phase, 25 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker.....	10,086.16	468.80
26 24 19 00-0849	EA 3 Phase, 30 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker.....	10,697.25	515.68
26 24 19 00-0850	EA 3 Phase, 37.5 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker.....	12,916.38	562.56
26 24 19 00-0851	EA 3 Phase, 45 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker.....	13,322.47	609.44

<b>26 24 19 00-0852</b>	<b>Bolt-On Lighting Panel</b> <small>(26 24 19 00-0837)</small>		
	Note: Includes door, T-handle, unit support pan, neutral bar (10 KA IC RMS), and NEMA 1, NEMA 1 with gasket, or NEMA 12 enclosure. For MCC only.		
26 24 19 00-0853	EA 18 Circuit Bolt-On Lighting Panel, MLO, 1 Phase, 3 Wire, 120/240 Volt.....	1,785.76	470.04
26 24 19 00-0854	EA 30 Circuit Bolt-On Lighting Panel, MLO, 1 Phase, 3 Wire, 120/240 Volt.....	2,760.65	818.16
26 24 19 00-0855	EA 42 Circuit Bolt-On Lighting Panel, MLO, 1 Phase, 3 Wire, 120/240 Volt.....	3,663.30	1,106.91
26 24 19 00-0856	EA 18 Circuit Bolt-On Lighting Panel, MLO, 3 Phase, 4 Wire, 120/208 Volt.....	1,862.83	508.61
26 24 19 00-0857	EA 30 Circuit Bolt-On Lighting Panel, MLO, 3 Phase, 4 Wire, 120/208 Volt.....	2,725.83	800.72
26 24 19 00-0858	EA 42 Circuit Bolt-On Lighting Panel, MLO, 3 Phase, 4 Wire, 120/208 Volt.....	3,801.66	1,176.11
26 24 19 00-0859	EA 18 Circuit Bolt-On Lighting Panel, MCB, 1 Phase, 3 Wire, 120/240 Volt.....	3,082.78	545.20
26 24 19 00-0860	EA 30 Circuit Bolt-On Lighting Panel, MCB, 1 Phase, 3 Wire, 120/240 Volt.....	4,063.23	875.24
26 24 19 00-0861	EA 42 Circuit Bolt-On Lighting Panel, MCB, 1 Phase, 3 Wire, 120/240 Volt.....	5,054.14	1,176.11
26 24 19 00-0862	EA 18 Circuit Bolt-On Lighting Panel, MCB, 3 Phase, 4 Wire, 120/208 Volt.....	3,168.53	588.00
26 24 19 00-0863	EA 30 Circuit Bolt-On Lighting Panel, MCB, 3 Phase, 4 Wire, 120/208 Volt.....	4,063.23	875.24
26 24 19 00-0864	EA 42 Circuit Bolt-On Lighting Panel, MCB, 3 Phase, 4 Wire, 120/208 Volt.....	5,130.01	1,214.04

<b>26 24 19 00-0865</b>	<b>Factory Installed Bolt-On Branch Circuit Breaker</b> <small>(26 24 19 00-0837)</small>		
	Note: For MCC lighting panel only.		
26 24 19 00-0866	EA 15 To 30 Amperes, 1 Pole, Bolt-On Branch Circuit Breaker.....	20.43	
26 24 19 00-0867	EA 15 To 30 Amperes, 1 Pole (GFI) Bolt-On Branch Circuit Breaker.....	240.25	
26 24 19 00-0868	EA 15 To 50 Amperes, 2 Pole, Bolt-On Branch Circuit Breaker.....	39.93	
26 24 19 00-0869	EA 60 To 100 Amperes, 2 Pole, Bolt-On Branch Circuit Breaker.....	91.93	
26 24 19 00-0870	EA 15 To 50 Amperes, 3 Pole, Bolt-On Branch Circuit Breaker.....	107.72	
26 24 19 00-0871	EA 60 To 100 Amperes, 3 Pole, Bolt-On Branch Circuit Breaker.....	163.44	

<b>26 24 19 00-0872</b>	<b>Blank Unit Door (BUD)</b> <small>(26 24 19 00-0837)</small>		
	Note: With NEMA 1, NEMA 1 with gasket, or NEMA 12 enclosure. Factory installed.		
26 24 19 00-0873	EA 6" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure.....	64.07	
26 24 19 00-0874	EA 12" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure.....	76.88	
26 24 19 00-0875	EA 18" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure.....	115.32	
26 24 19 00-0876	EA 24" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure.....	153.76	
26 24 19 00-0877	EA 30" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure.....	230.64	
26 24 19 00-0878	EA 48" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure.....	269.08	
26 24 19 00-0879	EA 72" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure.....	307.51	

## 26 25 Enclosed Bus Assemblies (26 20)

<b>26 25 13</b>	<b>Low-Voltage Busways</b> <small>(26 25)</small>		
<b>26 25 13 00-0001</b>	<b>Plug-In Bus Duct</b> <small>(26 25 13)</small>		
	Note: Based on an average of 100' horizontal run with a 15' maximum mounting height. Each 100' of bus duct includes 2 elbows, 1 end cap, and switchboard stub. Excludes hangers with anchors and hardware support.		
<b>26 25 13 00-0002</b>	<b>600 Volt, 3-Phase, 3-Wire, Copper Conductors</b> <small>(26 25 13 00-0001)</small>		
26 25 13 00-0003	LF 225 Amperes, Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors.....	258.74	27.10
	For Up To 25, Add	64.69	
	For >25 To 50, Add	38.81	
	For >50 To 100, Add	19.41	
26 25 13 00-0004	LF 400 Amperes, Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors.....	369.32	27.10
	For Up To 25, Add	92.33	
	For >25 To 50, Add	55.40	
	For >50 To 100, Add	27.70	
26 25 13 00-0005	LF 600 Amperes, Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors.....	469.15	36.13
	For Up To 25, Add	117.29	
	For >25 To 50, Add	70.37	
	For >50 To 100, Add	35.19	
26 25 13 00-0006	LF 800 Amperes, Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors.....	651.34	36.13
	For Up To 25, Add	162.84	
	For >25 To 50, Add	97.70	
	For >50 To 100, Add	48.85	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 25 13 00-0007 LF 1,000 Amperes, Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors .....	686.90	45.16
<i>For Up To 25, Add</i>	171.73	
<i>For &gt;25 To 50, Add</i>	103.04	
<i>For &gt;50 To 100, Add</i>	51.52	
26 25 13 00-0008 LF 1,350 Amperes, Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors .....	961.16	45.16
<i>For Up To 25, Add</i>	240.29	
<i>For &gt;25 To 50, Add</i>	144.17	
<i>For &gt;50 To 100, Add</i>	72.09	
26 25 13 00-0009 LF 1,600 Amperes, Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors .....	1,126.95	47.42
<i>For Up To 25, Add</i>	281.74	
<i>For &gt;25 To 50, Add</i>	169.04	
<i>For &gt;50 To 100, Add</i>	84.52	
26 25 13 00-0010 LF 2,000 Amperes Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors .....	1,375.23	48.77
<i>For Up To 25, Add</i>	343.81	
<i>For &gt;25 To 50, Add</i>	206.28	
<i>For &gt;50 To 100, Add</i>	103.14	
26 25 13 00-0011 LF 2,500 Amperes Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors .....	1,700.23	51.48
<i>For Up To 25, Add</i>	425.06	
<i>For &gt;25 To 50, Add</i>	255.03	
<i>For &gt;50 To 100, Add</i>	127.52	
26 25 13 00-0012 LF 3,000 Amperes Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors .....	1,962.98	60.07
<i>For Up To 25, Add</i>	490.75	
<i>For &gt;25 To 50, Add</i>	294.45	
<i>For &gt;50 To 100, Add</i>	147.22	
26 25 13 00-0013 LF 4,000 Amperes Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors .....	2,273.06	65.48
<i>For Up To 25, Add</i>	568.27	
<i>For &gt;25 To 50, Add</i>	340.96	
<i>For &gt;50 To 100, Add</i>	170.48	
<b>26 25 13 00-0014 277/480 Volt, 3-Phase, 4-Wire, 100% Neutral, Copper Conductors</b> <small>(26 25 13 00-0001)</small>		
26 25 13 00-0015 LF 225 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors .....	430.39	27.10
<i>For Up To 25, Add</i>	107.60	
<i>For &gt;25 To 50, Add</i>	64.56	
<i>For &gt;50 To 100, Add</i>	32.28	
26 25 13 00-0016 LF 400 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors .....	624.12	27.10
<i>For Up To 25, Add</i>	156.03	
<i>For &gt;25 To 50, Add</i>	93.62	
<i>For &gt;50 To 100, Add</i>	46.81	
26 25 13 00-0017 LF 600 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors .....	705.70	36.13
<i>For Up To 25, Add</i>	176.43	
<i>For &gt;25 To 50, Add</i>	105.86	
<i>For &gt;50 To 100, Add</i>	52.93	
26 25 13 00-0018 LF 800 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors .....	899.16	36.13
<i>For Up To 25, Add</i>	224.79	
<i>For &gt;25 To 50, Add</i>	134.87	
<i>For &gt;50 To 100, Add</i>	67.44	
26 25 13 00-0019 LF 1,000 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors .....	1,098.53	45.16
<i>For Up To 25, Add</i>	274.63	
<i>For &gt;25 To 50, Add</i>	164.78	
<i>For &gt;50 To 100, Add</i>	82.39	
26 25 13 00-0020 LF 1,350 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors .....	1,426.72	45.16
<i>For Up To 25, Add</i>	356.68	
<i>For &gt;25 To 50, Add</i>	214.01	
<i>For &gt;50 To 100, Add</i>	107.00	
26 25 13 00-0021 LF 1,600 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors .....	1,846.93	46.79
<i>For Up To 25, Add</i>	461.73	
<i>For &gt;25 To 50, Add</i>	277.04	
<i>For &gt;50 To 100, Add</i>	138.52	
26 25 13 00-0022 LF 2,000 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors .....	2,226.99	48.77
<i>For Up To 25, Add</i>	556.75	
<i>For &gt;25 To 50, Add</i>	334.05	
<i>For &gt;50 To 100, Add</i>	167.02	
26 25 13 00-0023 LF 2,500 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors .....	2,765.02	51.03
<i>For Up To 25, Add</i>	691.26	
<i>For &gt;25 To 50, Add</i>	414.75	
<i>For &gt;50 To 100, Add</i>	207.38	
26 25 13 00-0024 LF 3,000 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors .....	3,191.61	60.07
<i>For Up To 25, Add</i>	797.90	
<i>For &gt;25 To 50, Add</i>	478.74	
<i>For &gt;50 To 100, Add</i>	239.37	
26 25 13 00-0025 LF 4,000 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors .....	3,701.12	65.48
<i>For Up To 25, Add</i>	925.28	
<i>For &gt;25 To 50, Add</i>	555.17	
<i>For &gt;50 To 100, Add</i>	277.58	
<b>26 25 13 00-0026 Cable Tap Boxes</b> <small>(26 25 13 00-0001)</small>		
<b>26 25 13 00-0027 600 Volt, 3-Phase, 3-Wire, Copper Conductors</b> <small>(26 25 13 00-0026)</small>		
26 25 13 00-0028 EA 225 Amperes Cable Tap Box, 600 Volt, 3 Phase, 3 Wire .....	2,167.26	126.46
26 25 13 00-0029 EA 400 Amperes Cable Tap Box, 600 Volt, 3 Phase, 3 Wire .....	2,230.70	126.46
26 25 13 00-0030 EA 600 Amperes Cable Tap Box, 600 Volt, 3 Phase, 3 Wire .....	2,405.91	171.62
26 25 13 00-0031 EA 800 Amperes Cable Tap Box, 600 Volt, 3 Phase, 3 Wire .....	2,554.08	171.62
26 25 13 00-0032 EA 1,000 Amperes Cable Tap Box, 600 Volt, 3 Phase, 3 Wire .....	2,734.61	225.81

**26 Electrical**  
**26 20 Low-Voltage Electrical Distribution**  
**26 25 Enclosed Bus Assemblies**



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 25 13 00-0033	EA	1,350 Amperes Cable Tap Box, 600 Volt, 3 Phase, 3 Wire .....	2,994.38	225.81
<b>26 25 13 00-0034</b>		<b>277/480 Volt, 3-Phase, 4-Wire, 100% Neutral, Copper Conductors</b> (26 25 13 00-0026)		
26 25 13 00-0035	EA	225 Amperes Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire .....	2,230.70	248.39
26 25 13 00-0036	EA	400 Amperes Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire .....	2,416.28	248.39
26 25 13 00-0037	EA	600 Amperes Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire .....	2,573.89	338.71
26 25 13 00-0038	EA	800 Amperes Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire .....	2,890.90	338.71
26 25 13 00-0039	EA	1,000 Amperes Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire .....	3,032.52	451.62
26 25 13 00-0040	EA	1,350 Amperes Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire .....	3,452.83	451.62
<b>26 25 13 00-0041</b>		<b>Bus Duct Plug-In Circuit Breaker</b> (26 25 13 00-0001)		
<b>26 25 13 00-0042</b>		<b>240 Volt, 3-Phase</b> (26 25 13 00-0041)		
26 25 13 00-0043	EA	60 Amperes, 240 Volt, 3 Phase, Bus Duct Plug-In Circuit Breaker .....	963.21	90.33
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	49.41	
26 25 13 00-0044	EA	100 Amperes, 240 Volt, 3 Phase, Bus Duct Plug-In Circuit Breaker .....	1,942.45	90.33
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	63.43	
<b>26 25 13 00-0045</b>		<b>600 Volt, 3-Phase</b> (26 25 13 00-0041)		
26 25 13 00-0046	EA	60 Amperes, 600 Volt, 3 Phase, Bus Duct Plug-in Circuit Breaker .....	1,895.73	90.33
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	49.41	
26 25 13 00-0047	EA	100 Amperes, 600 Volt, 3 Phase, Bus Duct Plug-in Circuit Breaker .....	2,455.83	90.33
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	63.43	
<b>26 25 13 00-0048</b>		<b>120/208 Volt, 3-Phase, 4-Wire</b> (26 25 13 00-0041)		
26 25 13 00-0049	EA	60 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Bus Duct Plug-in Circuit Breaker .....	1,109.53	108.39
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	56.45	
26 25 13 00-0050	EA	100 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Bus Duct Plug-in Circuit Breaker .....	1,323.14	108.39
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	70.57	
<b>26 25 13 00-0051</b>		<b>277/480 Volt, 3-Phase, 4-Wire</b> (26 25 13 00-0041)		
26 25 13 00-0052	EA	60 Amperes, 277/480 Volt, 3 Phase, 4 Wire, Bus Duct Plug-In Circuit Breaker .....	1,276.10	108.39
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	56.45	
26 25 13 00-0053	EA	100 Amperes, 277/480 Volt, 3 Phase, 4 Wire, Bus Duct Plug-In Circuit Breaker .....	1,975.40	108.39
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	70.57	
26 25 13 00-0054	EA	225 Amperes, 277/480 Volt, 3 Phase, 4 Wire, Bus Duct Plug-In Circuit Breaker .....	2,841.19	374.84
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	162.45	
26 25 13 00-0055	EA	400 Amperes, 277/480 Volt, 3 Phase, 4 Wire, Bus Duct Plug-In Circuit Breaker .....	6,807.37	374.84
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	352.83	
26 25 13 00-0056	EA	600 Amperes, 277/480 Volt, 3 Phase, 4 Wire, Bus Duct Plug-In Circuit Breaker .....	7,532.93	1,083.89
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	490.89	
26 25 13 00-0057	EA	800 Amperes, 277/480 Volt, 3 Phase, 4 Wire, Bus Duct Plug-In Circuit Breaker .....	9,233.87	1,083.89
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	868.50	
<b>26 25 13 00-0058</b>		<b>Bus Duct Plug-In Fusible Switch</b> (26 25 13 00-0001)		
<b>26 25 13 00-0059</b>		<b>240 Volt, 3-Pole, 3-Fuse</b> (26 25 13 00-0058)		
26 25 13 00-0060	EA	30 Amperes, 240 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch .....	960.92	90.33
26 25 13 00-0061	EA	60 Amperes, 240 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch .....	1,051.23	90.33
26 25 13 00-0062	EA	100 Amperes, 240 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch .....	1,458.61	108.39
26 25 13 00-0063	EA	200 Amperes, 240 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch .....	2,456.70	216.77
26 25 13 00-0064	EA	400 Amperes, 240 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch .....	6,242.98	487.75
26 25 13 00-0065	EA	600 Amperes, 240 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch .....	9,267.85	849.04
<b>26 25 13 00-0066</b>		<b>600 Volt, 3-Pole, 3-Fuse</b> (26 25 13 00-0058)		
26 25 13 00-0067	EA	30 Amperes, 600 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch .....	1,004.21	99.35
26 25 13 00-0068	EA	60 Amperes, 600 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch .....	1,091.97	99.35
26 25 13 00-0069	EA	100 Amperes, 600 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch .....	1,474.68	99.35
26 25 13 00-0070	EA	200 Amperes, 600 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch .....	2,524.20	207.75
26 25 13 00-0071	EA	400 Amperes, 600 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch .....	6,218.86	469.68
26 25 13 00-0072	EA	600 Amperes, 600 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch .....	9,438.92	903.24
26 25 13 00-0073	EA	800 Amperes, 600 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch .....	15,628.71	1,174.21
<b>26 25 13 00-0074</b>		<b>120/208 Volt, 4-pole, 3 Fuse</b> (26 25 13 00-0058)		
26 25 13 00-0075	EA	30 Amperes, 120/208 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch .....	1,113.86	117.42
26 25 13 00-0076	EA	60 Amperes, 120/208 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch .....	1,189.97	117.42
26 25 13 00-0077	EA	100 Amperes, 120/208 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch .....	1,609.68	117.42
26 25 13 00-0078	EA	200 Amperes, 120/208 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch .....	2,730.61	243.87
26 25 13 00-0079	EA	400 Amperes, 120/208 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch .....	6,839.08	541.94
26 25 13 00-0080	EA	600 AAmperes, 120/208 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch .....	9,938.49	830.97
<b>26 25 13 00-0081</b>		<b>277/480 Volt, 4-pole, 3-Fuse</b> (26 25 13 00-0058)		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 25 13 00-0082 EA 30 Amperes, 277/480 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch .....	1,152.17	117.42
26 25 13 00-0083 EA 60 Amperes, 277/480 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch .....	1,228.27	99.63
26 25 13 00-0084 EA 100 Amperes, 277/480 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch .....	1,721.13	135.48
26 25 13 00-0085 EA 200 Amperes, 277/480 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch .....	2,849.40	243.87
26 25 13 00-0086 EA 400 Amperes, 277/480 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch .....	6,839.08	541.94
26 25 13 00-0087 EA 600 Amperes, 277/480 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch .....	9,938.49	830.97
26 25 13 00-0088 EA 800 Amperes, 277/480 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch .....	15,845.19	1,101.95

**26 25 16 Low-Voltage Cablebus Systems (26 25)**

<b>26 25 16 00-0001</b>	<b>Feeder Bus Duct (26 25 16)</b> Note: Based on an average of 100' horizontal run with a 15' maximum mounting height. Each 100' of bus duct includes 2 elbows, 1 end cap, and switchboard stub. Excludes hangers with anchors and hardware support.		
<b>26 25 16 00-0002</b>	<b>600 Volt, 3 Phase, 3 Wire, Ventilated Low Impedance (26 25 16 00-0001)</b> Note: Copper conductors.		
26 25 16 00-0003	LF 800 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports .....	788.10	37.93
	For Up To 25, Add	197.03	
	For >25 To 50, Add	118.22	
	For >50 To 100, Add	59.11	
26 25 16 00-0004	LF 1,000 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports .....	797.79	37.93
	For Up To 25, Add	199.45	
	For >25 To 50, Add	119.67	
	For >50 To 100, Add	59.83	
26 25 16 00-0005	LF 1,350 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports .....	1,047.54	37.93
	For Up To 25, Add	261.89	
	For >25 To 50, Add	157.13	
	For >50 To 100, Add	78.57	
26 25 16 00-0006	LF 1,600 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports .....	1,260.25	37.93
	For Up To 25, Add	315.06	
	For >25 To 50, Add	189.04	
	For >50 To 100, Add	94.52	
26 25 16 00-0007	LF 2,000 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports .....	1,541.81	37.93
	For Up To 25, Add	385.45	
	For >25 To 50, Add	231.27	
	For >50 To 100, Add	115.64	
26 25 16 00-0008	LF 3,000 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports .....	2,103.15	90.33
	For Up To 25, Add	525.79	
	For >25 To 50, Add	315.47	
	For >50 To 100, Add	157.74	
26 25 16 00-0009	LF 4,000 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports .....	2,911.48	90.33
	For Up To 25, Add	727.87	
	For >25 To 50, Add	436.72	
	For >50 To 100, Add	218.36	
26 25 16 00-0010	LF 5,000 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports .....	3,444.47	90.33
	For Up To 25, Add	861.12	
	For >25 To 50, Add	516.67	
	For >50 To 100, Add	258.34	
26 25 16 00-0011	LF 6,000 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports .....	4,246.06	90.33
	For Up To 25, Add	1,061.52	
	For >25 To 50, Add	636.91	
	For >50 To 100, Add	318.45	
<b>26 25 16 00-0012</b>	<b>277/480 Volt, 3 Phase, 4 Wire, Half Neutral, Ventilated (26 25 16 00-0001)</b> Note: Low impedance, copper conductors.		
26 25 16 00-0013	LF 800 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports .....	905.68	40.65
	For Up To 25, Add	226.42	
	For >25 To 50, Add	135.85	
	For >50 To 100, Add	67.93	
26 25 16 00-0014	LF 1,000 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports .....	918.15	40.65
	For Up To 25, Add	229.54	
	For >25 To 50, Add	137.72	
	For >50 To 100, Add	68.86	
26 25 16 00-0015	LF 1,350 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports .....	1,184.54	40.65
	For Up To 25, Add	296.14	
	For >25 To 50, Add	177.68	
	For >50 To 100, Add	88.84	
26 25 16 00-0016	LF 1,600 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports .....	1,404.45	40.65
	For Up To 25, Add	351.11	
	For >25 To 50, Add	210.67	
	For >50 To 100, Add	105.33	
26 25 16 00-0017	LF 2,000 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports .....	1,697.71	40.65
	For Up To 25, Add	424.43	
	For >25 To 50, Add	254.66	
	For >50 To 100, Add	127.33	
26 25 16 00-0018	LF 3,000 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports .....	2,612.66	69.55
	For Up To 25, Add	653.17	
	For >25 To 50, Add	391.90	
	For >50 To 100, Add	195.95	
26 25 16 00-0019	LF 4,000 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports .....	3,277.46	69.55
	For Up To 25, Add	819.37	
	For >25 To 50, Add	491.62	
	For >50 To 100, Add	245.81	

<b>26</b>	<b>Electrical</b>
<b>26 20</b>	<b>Low-Voltage Electrical Distribution</b>
<b>26 25</b>	<b>Enclosed Bus Assemblies</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 25	16 00-0020	LF	5,000 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports	3,877.25	129.16
			<i>For Up To 25, Add</i>	969.31	
			<i>For &gt;25 To 50, Add</i>	581.59	
			<i>For &gt;50 To 100, Add</i>	290.79	
26 25	16 00-0021	LF	6,000 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports	4,786.35	129.16
			<i>For Up To 25, Add</i>	1,196.59	
			<i>For &gt;25 To 50, Add</i>	717.95	
			<i>For &gt;50 To 100, Add</i>	358.98	

**26 27 Low-Voltage Distribution Equipment** (26 20)

**26 27 13 Electricity Metering** (26 27)

**26 27 13 00-0001 Revenue Metering** (26 27 13)

**26 27 13 00-0002 Meter Socket Base** (26 27 13 00-0001)

Note: NEMA 3R.

26 27	13 00-0003	EA	100 Amperes, 1 Phase, 3 Wire, 4 Terminal Meter Socket With Bypass	239.64	58.71
26 27	13 00-0004	EA	100 Amperes, 1 Phase, 3 Wire, 5 Terminal Meter Socket With Bypass	255.97	58.71
26 27	13 00-0005	EA	200 Amperes, 1 Phase, 3 Wire, 4 Terminal Meter Socket With Bypass	324.15	72.25
26 27	13 00-0006	EA	200 Amperes, 1 Phase, 3 Wire, 5 Terminal Meter Socket With Bypass	328.80	72.25
26 27	13 00-0007	EA	200 Amperes, 3 Phase, 4 Wire, 7 Terminal Meter Socket With Bypass And Jaw Release	672.58	81.29
26 27	13 00-0008	EA	320 Amperes, 3 Phase, 4 Wire, 7 Terminal Meter Socket With Bypass And Jaw Release	905.67	90.33
26 27	13 00-0009	EA	400 Amperes, 3 Phase, 4 Wire, 7 Terminal Meter Socket With Bypass And Jaw Release	2,316.12	99.35
26 27	13 00-0010	EA	Combination Motor And Current Transformer Cabinet, 15 To 30 Amperes, 13 Terminal, Underground, With Test Switch And Transformer, Socket Base	2,446.05	451.62

**26 27 13 00-0011 Meter Device** (26 27 13 00-0001)

Note: Direct read, with 15 minute demand.

26 27	13 00-0012	EA	100 To 200 Amperes, 120 Volt, Or 240 Volt, 1 Phase, KWH Meter	256.86	18.06
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.11	
26 27	13 00-0013	EA	200 Amperes, 120 Volt, Or 240 Volt, 3 Phase, KWH Meter	744.63	18.10
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.31	

**26 27 13 00-0014 Current Transformer Enclosure** (26 27 13 00-0001)

26 27	13 00-0015	EA	18" x 24" x 9", NEMA 3R, Screwed Cover, Current Transformer Enclosure	485.09	117.42
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**26 27 13 00-0016 120/240 Volt Meter Center And Main Breaker, Indoor Housing** (26 27 13 00-0001)

**26 27 13 00-0017 800 Amperes Bus, 4 Jaw Sockets, 125 Amperes Max., 2 Pole** (26 27 13 00-0016)

26 27	13 00-0018	EA	3 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 125 Amperes Max	1,011.23	56.45
26 27	13 00-0019	EA	4 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 125 Amperes Max	1,335.01	67.74
26 27	13 00-0020	EA	5 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 125 Amperes Max	1,657.03	79.03
26 27	13 00-0021	EA	6 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 125 Amperes Max	1,920.94	90.33
26 27	13 00-0022	EA	7 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 125 Amperes Max	2,510.70	101.61
26 27	13 00-0023	EA	8 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 125 Amperes Max	2,709.42	112.90
26 27	13 00-0024	EA	10 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 125 Amperes Max	3,159.71	135.48

**26 27 13 00-0025 1,200 Amperes Bus, 4 Jaw Sockets, 200 Amperes Max., 2 Pole** (26 27 13 00-0016)

26 27	13 00-0026	EA	3 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 200 Amperes Max	1,891.95	56.45
26 27	13 00-0027	EA	4 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 200 Amperes Max	2,495.80	67.74
26 27	13 00-0028	EA	6 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 200 Amperes Max	3,439.30	90.33
26 27	13 00-0029	EA	7 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 200 Amperes Max	3,814.15	101.61
26 27	13 00-0030	EA	8 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 200 Amperes Max	4,805.51	112.90

**26 27 13 00-0031 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity, 2 Pole** (26 27 13 00-0016)

26 27	13 00-0032	EA	3 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	1,553.11	79.03
26 27	13 00-0033	EA	4 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	2,047.76	90.33
26 27	13 00-0034	EA	5 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	2,510.70	101.61
26 27	13 00-0035	EA	6 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	2,956.02	112.90
26 27	13 00-0036	EA	7 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	3,736.01	124.20
26 27	13 00-0037	EA	8 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	3,917.13	135.48
26 27	13 00-0038	EA	10 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	4,860.60	158.07

**26 27 13 00-0039 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity, 2 Pole** (26 27 13 00-0016)

26 27	13 00-0040	EA	3 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	2,430.30	79.03
26 27	13 00-0041	EA	4 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	3,192.68	90.33
26 27	13 00-0042	EA	6 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	4,506.07	112.90
26 27	13 00-0043	EA	7 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	4,828.09	124.20
26 27	13 00-0044	EA	8 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	6,189.33	135.48





<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Low-Voltage Electrical Distribution</b>	<b>26 20</b>	
<b>Low-Voltage Distribution Equipment</b>	<b>26 27</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>26 27 13 00-0045</b> 120/208 Volt Meter Center And Main Breaker, Indoor Housing <small>(26 27 13 00-0001)</small>		
<b>26 27 13 00-0046</b> 800 Amperes Bus, 5 Jaw Sockets, 125 Amperes Max., 2 Pole <small>(26 27 13 00-0045)</small>		
26 27 13 00-0047 EA 3 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 125 Amperes Max .....	1,097.22	67.74
26 27 13 00-0048 EA 4 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 125 Amperes Max .....	1,440.38	79.03
26 27 13 00-0049 EA 5 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 125 Amperes Max .....	1,781.78	90.33
26 27 13 00-0050 EA 6 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 125 Amperes Max .....	2,070.34	101.61
26 27 13 00-0051 EA 7 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 125 Amperes Max .....	2,550.89	112.90
26 27 13 00-0052 EA 8 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 125 Amperes Max .....	2,749.61	124.20
26 27 13 00-0053 EA 10 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 125 Amperes Max .....	3,393.67	146.78
<b>26 27 13 00-0054</b> 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity, 2 Pole <small>(26 27 13 00-0045)</small>		
26 27 13 00-0055 EA 3 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity .....	1,984.98	67.74
26 27 13 00-0056 EA 4 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity .....	2,624.07	79.03
26 27 13 00-0057 EA 6 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity .....	3,796.53	101.61
26 27 13 00-0058 EA 7 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity .....	4,171.40	112.90
26 27 13 00-0059 EA 8 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity .....	5,057.11	124.20
<b>26 27 13 00-0060</b> 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity, 2 Pole <small>(26 27 13 00-0045)</small>		
26 27 13 00-0061 EA 3 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	1,639.13	90.33
26 27 13 00-0062 EA 4 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	2,140.82	101.61
26 27 13 00-0063 EA 5 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	2,656.59	112.90
26 27 13 00-0064 EA 6 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	3,101.93	124.20
26 27 13 00-0065 EA 7 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	3,917.16	135.48
26 27 13 00-0066 EA 8 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	4,098.24	146.78
26 27 13 00-0067 EA 10 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	5,112.20	169.35
<b>26 27 13 00-0068</b> 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity, 2 Pole <small>(26 27 13 00-0045)</small>		
26 27 13 00-0069 EA 3 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	2,540.98	90.33
26 27 13 00-0070 EA 4 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	3,356.20	101.61
26 27 13 00-0071 EA 6 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	4,828.12	124.20
26 27 13 00-0072 EA 7 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	5,044.44	135.48
26 27 13 00-0073 EA 8 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	6,423.31	146.78
<b>26 27 13 00-0074</b> 120/240 Volt Meter Center And Main Breaker, NEMA 3R Housing <small>(26 27 13 00-0001)</small>		
<b>26 27 13 00-0075</b> 800 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity, 2 Pole <small>(26 27 13 00-0074)</small>		
26 27 13 00-0076 EA 3 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity .....	1,011.23	56.45
26 27 13 00-0077 EA 4 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity .....	1,335.01	67.74
26 27 13 00-0078 EA 6 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity .....	1,920.94	90.33
26 27 13 00-0079 EA 7 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity .....	2,510.70	101.61
26 27 13 00-0080 EA 8 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity .....	3,114.54	112.90
<b>26 27 13 00-0081</b> 1,200 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity, 2 Pole <small>(26 27 13 00-0074)</small>		
26 27 13 00-0082 EA 3 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity .....	1,891.94	56.45
26 27 13 00-0083 EA 4 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity .....	2,495.79	67.74
26 27 13 00-0084 EA 6 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity .....	3,615.43	90.33
26 27 13 00-0085 EA 7 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity .....	3,990.29	101.61
26 27 13 00-0086 EA 8 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity .....	4,805.51	112.90
<b>26 27 13 00-0087</b> 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity, 2 Pole <small>(26 27 13 00-0074)</small>		
26 27 13 00-0088 EA 3 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	1,553.11	79.03
26 27 13 00-0089 EA 4 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	2,047.76	90.33
26 27 13 00-0090 EA 6 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	2,956.02	112.90
26 27 13 00-0091 EA 7 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	3,736.01	124.20
26 27 13 00-0092 EA 8 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	3,917.13	135.48
<b>26 27 13 00-0093</b> 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity, 2 Pole <small>(26 27 13 00-0074)</small>		
26 27 13 00-0094 EA 3 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	2,430.32	79.03
26 27 13 00-0095 EA 4 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	3,192.68	90.33
26 27 13 00-0096 EA 6 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	4,506.07	112.90
26 27 13 00-0097 EA 7 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	4,828.09	124.20
26 27 13 00-0098 EA 8 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	6,189.36	135.48

<b>26</b>	<b>Electrical</b>
<b>26 20</b>	<b>Low-Voltage Electrical Distribution</b>
<b>26 27</b>	<b>Low-Voltage Distribution Equipment</b>



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

26 27 13 00-0099	120/208 Volt Meter Center And Main Breaker, NEMA 3R Housing (26 27 13 00-0001)		
26 27 13 00-0100	800 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity, 2 Pole (26 27 13 00-0099)		
26 27 13 00-0101	EA 3 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity .....	1,097.22	67.74
26 27 13 00-0102	EA 4 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity .....	1,440.38	79.03
26 27 13 00-0103	EA 6 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity .....	2,070.34	101.61
26 27 13 00-0104	EA 7 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity .....	2,727.03	112.90
26 27 13 00-0105	EA 8 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity .....	3,101.90	124.20
26 27 13 00-0106	1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity, 2 Pole (26 27 13 00-0099)		
26 27 13 00-0107	EA 3 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity .....	1,984.97	67.74
26 27 13 00-0108	EA 4 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity .....	2,624.05	79.03
26 27 13 00-0109	EA 6 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity .....	3,620.39	101.61
26 27 13 00-0110	EA 7 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity .....	3,995.26	112.90
26 27 13 00-0111	EA 8 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity .....	5,057.08	124.20
26 27 13 00-0112	800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity, 2 Pole (26 27 13 00-0099)		
26 27 13 00-0113	EA 3 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	1,639.11	90.33
26 27 13 00-0114	EA 4 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	2,140.80	101.61
26 27 13 00-0115	EA 6 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	3,101.90	124.20
26 27 13 00-0116	EA 7 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	3,917.13	135.48
26 27 13 00-0117	EA 8 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	4,098.24	146.78
26 27 13 00-0118	1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity, 2 Pole (26 27 13 00-0099)		
26 27 13 00-0119	EA 3 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	2,540.96	90.33
26 27 13 00-0120	EA 4 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	3,356.18	101.61
26 27 13 00-0121	EA 6 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	4,828.09	124.20
26 27 13 00-0122	EA 7 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	5,044.44	135.48
26 27 13 00-0123	EA 8 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	6,423.31	146.78
26 27 13 00-0124	Watt/Hour Meters (26 27 13)		
26 27 13 00-0125	EA Single Phase M-90 Meter, Socket, NEMA 3R Enclosure .....	1,057.48	54.19
26 27 13 00-0126	EA Three Phase M-90 Meter/Main Breaker Combination With Socket, NEMA 3R Enclosure .....	3,276.54	108.39
26 27 13 00-0127	EA Three Phase M-90 Meter In Line Secondary With Socket, NEMA 3R Enclosure .....	1,713.83	81.29
26 27 13 00-0128	EA Three Phase M-90 Meter, Primary Side Transformer Mount With Socket Totally Enclosed, NEMA 3R Enclosure .....	2,116.11	81.29
26 27 13 00-0129	EA Three Phase M-90 Meter, Primary Side Pole Mount With Socket, NEMA 3R Enclosure .....	1,772.92	81.29
26 27 13 00-0130	EA C.T. For M-90 Meter On Primary Side, NEMA 3R Enclosure .....	1,211.59	74.97
26 27 13 00-0131	EA P.T. For M-90 Meter On Primary Side, NEMA 3R Enclosure .....	2,066.44	135.48
26 27 13 00-0132	Watt/Hour Meter Systems (26 27 13) Note: Includes NEMA 3R enclosure with C.T. and NEMA 3R C.T. enclosure. systems with main breakers include an additional NEMA 3R enclosure.		
26 27 13 00-0133	Watt/Hour Meter System Without Main Breaker (26 27 13 00-0132)		
26 27 13 00-0134	EA 400 Amperes System; 200 Amperes M-90 Meter And Enclosure .....	5,167.59	542.03
26 27 13 00-0135	EA 600 To 800 Amperes System; 200 Amperes M-90 Meter And Enclosure .....	6,116.97	542.03
26 27 13 00-0136	Watt/Hour Meter System With Main Breaker (26 27 13 00-0132)		
26 27 13 00-0137	EA 400 Amperes System; 400 Amperes Main Breaker, 200 Amperes M-90 Meter And Enclosure .....	9,335.81	542.03
26 27 13 00-0138	EA 600 Amperes System; 600 Amperes Main Breaker, 200 Amperes M-90 Meter And Enclosure .....	11,405.96	542.03
26 27 13 00-0139	EA 800 Amperes System; 800 Amperes Main Breaker, 200 Amperes M-90 Meter And Enclosure .....	12,283.90	542.03
26 27 16	<b>Electrical Cabinets and Enclosures (26 27)</b> Note: Can be used as enclosure or pull/junction boxes.		
26 27 16 00-0001	NEMA 1 Enclosures, Lockable (26 27 16)		
26 27 16 00-0002	Hinged Cover, Galvanized Steel NEMA 1 Enclosures (26 27 16 00-0001)		
26 27 16 00-0003	4" Depth, Hinged Cover, Galvanized Steel NEMA 1 Enclosures (26 27 16 00-0002)		
26 27 16 00-0004	EA 6" x 4" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure .....	61.86	18.06
26 27 16 00-0005	EA 6" x 6" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure .....	69.76	19.87
26 27 16 00-0006	EA 8" x 6" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure .....	77.74	21.67
26 27 16 00-0007	EA 8" x 8" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure .....	90.78	25.30
26 27 16 00-0008	EA 10" x 8" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure .....	99.32	27.10
26 27 16 00-0009	EA 10" x 10" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure .....	108.60	28.91
26 27 16 00-0010	EA 12" x 8" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure .....	108.21	28.91
26 27 16 00-0011	EA 12" x 10" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure .....	117.78	30.71



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0012 EA 12" x 12" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure .....	127.91	32.52
26 27 16 00-0013 EA 16" x 12" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure .....	164.72	43.36
26 27 16 00-0014 EA 16" x 16" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure .....	200.01	52.39
26 27 16 00-0015 EA 18" x 12" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure .....	189.23	50.58
<b>26 27 16 00-0016 6" Depth, Hinged Cover, Galvanized Steel NEMA 1 Enclosures (26 27 16 00-0002)</b>		
26 27 16 00-0017 EA 6" x 6" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure .....	78.49	21.67
26 27 16 00-0018 EA 8" x 8" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure .....	96.30	25.30
26 27 16 00-0019 EA 10" x 8" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure .....	114.45	30.71
26 27 16 00-0020 EA 10" x 10" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure .....	124.29	32.52
26 27 16 00-0021 EA 12" x 10" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure .....	134.37	34.32
26 27 16 00-0022 EA 12" x 12" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure .....	145.00	36.13
26 27 16 00-0023 EA 16" x 12" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure .....	183.06	46.97
26 27 16 00-0024 EA 16" x 16" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure .....	221.10	57.81
26 27 16 00-0025 EA 18" x 12" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure .....	212.97	56.00
26 27 16 00-0026 EA 18" x 18" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure .....	278.01	72.25
26 27 16 00-0027 EA 24" x 18" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure .....	366.23	83.10
26 27 16 00-0028 EA 24" x 24" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure .....	423.00	90.33
26 27 16 00-0029 EA 30" x 24" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure .....	475.60	95.74
26 27 16 00-0030 EA 36" x 24" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure .....	523.68	99.35
26 27 16 00-0031 EA 24-1/2" x 12-1/2" x 6-1/2", Hinged Cover, Galvanized Steel NEMA 1 Enclosure (Control Products MH3803L) .....	354.16	72.25
<b>26 27 16 00-0032 Screw Cover, Galvanized Steel NEMA 1 Enclosures (26 27 16 00-0001)</b>		
<b>26 27 16 00-0033 3" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures (26 27 16 00-0032)</b>		
26 27 16 00-0034 EA 4" x 4" x 3" Screw Cover, Galvanized Steel NEMA 1 Enclosure .....	42.50	12.65
26 27 16 00-0035 EA 6" x 6" x 3" Screw Cover, Galvanized Steel NEMA 1 Enclosure .....	60.75	18.06
26 27 16 00-0036 EA 8" x 6" x 3" Screw Cover, Galvanized Steel NEMA 1 Enclosure .....	68.04	19.87
<b>26 27 16 00-0037 4" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures (26 27 16 00-0032)</b>		
26 27 16 00-0038 EA 4" x 4" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure .....	47.21	14.45
26 27 16 00-0039 EA 6" x 4" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure .....	58.39	18.06
26 27 16 00-0040 EA 6" x 6" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure .....	65.52	19.87
26 27 16 00-0041 EA 8" x 6" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure .....	72.80	21.67
26 27 16 00-0042 EA 8" x 8" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure .....	84.95	25.30
26 27 16 00-0043 EA 10" x 8" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure .....	92.66	27.10
26 27 16 00-0044 EA 10" x 10" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure .....	100.84	28.91
26 27 16 00-0045 EA 12" x 8" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure .....	100.47	28.91
26 27 16 00-0046 EA 12" x 10" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure .....	109.11	30.71
26 27 16 00-0047 EA 12" x 12" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure .....	118.03	32.52
26 27 16 00-0048 EA 16" x 12" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure .....	153.60	43.36
26 27 16 00-0049 EA 16" x 16" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure .....	189.87	54.19
26 27 16 00-0050 EA 18" x 12" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure .....	175.91	50.58
26 27 16 00-0051 EA 18" x 18" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure .....	228.31	65.03
26 27 16 00-0052 EA 24" x 24" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure .....	341.82	81.29
<b>26 27 16 00-0053 6" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures (26 27 16 00-0032)</b>		
26 27 16 00-0054 EA 6" x 6" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure .....	73.32	21.67
26 27 16 00-0055 EA 8" x 6" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure .....	81.31	23.48
26 27 16 00-0056 EA 8" x 8" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure .....	93.68	27.10
26 27 16 00-0057 EA 10" x 8" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure .....	106.42	30.71
26 27 16 00-0058 EA 10" x 10" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure .....	115.18	32.52
26 27 16 00-0059 EA 12" x 10" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure .....	124.06	34.32
26 27 16 00-0060 EA 12" x 12" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure .....	133.39	36.13
26 27 16 00-0061 EA 16" x 12" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure .....	170.10	46.97
26 27 16 00-0062 EA 16" x 16" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure .....	208.90	57.81
26 27 16 00-0063 EA 18" x 12" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure .....	197.52	56.00
26 27 16 00-0064 EA 18" x 18" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure .....	257.35	72.25
26 27 16 00-0065 EA 24" x 18" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure .....	328.33	83.10
26 27 16 00-0066 EA 24" x 24" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure .....	381.03	90.33
26 27 16 00-0067 EA 30" x 24" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure .....	413.12	95.74
26 27 16 00-0068 EA 36" x 24" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure .....	457.06	99.35
<b>26 27 16 00-0069 8" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures (26 27 16 00-0032)</b>		
26 27 16 00-0070 EA 8" x 8" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure .....	106.42	30.71
26 27 16 00-0071 EA 12" x 12" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure .....	147.25	39.74
26 27 16 00-0072 EA 16" x 12" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure .....	187.15	50.58
26 27 16 00-0073 EA 16" x 16" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure .....	231.85	63.23
26 27 16 00-0074 EA 18" x 12" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure .....	220.62	61.42
26 27 16 00-0075 EA 18" x 18" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure .....	273.52	75.88
26 27 16 00-0076 EA 24" x 12" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure .....	302.99	86.71
26 27 16 00-0077 EA 24" x 18" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure .....	359.60	92.13
26 27 16 00-0078 EA 24" x 24" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure .....	420.41	99.35
26 27 16 00-0079 EA 30" x 24" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure .....	448.23	104.77
26 27 16 00-0080 EA 30" x 30" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure .....	472.54	108.39

<b>26</b>	<b>Electrical</b>
<b>26 20</b>	<b>Low-Voltage Electrical Distribution</b>
<b>26 27</b>	<b>Low-Voltage Distribution Equipment</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0081 EA 36" x 24" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	487.83	108.39
<b>26 27 16 00-0082 10" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures (26 27 16 00-0032)</b>		
26 27 16 00-0083 EA 18" x 12" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	251.42	68.64
26 27 16 00-0084 EA 18" x 18" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	332.65	88.51
26 27 16 00-0085 EA 24" x 12" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	332.52	93.94
26 27 16 00-0086 EA 24" x 18" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	451.39	101.16
26 27 16 00-0087 EA 24" x 24" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	523.75	112.00
26 27 16 00-0088 EA 30" x 24" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	589.64	115.61
26 27 16 00-0089 EA 36" x 24" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	631.22	121.03
<b>26 27 16 00-0090 12" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures (26 27 16 00-0032)</b>		
26 27 16 00-0091 EA 18" x 18" x 12", Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	367.41	97.55
26 27 16 00-0092 EA 24" x 12" x 12", Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	360.32	102.97
26 27 16 00-0093 EA 24" x 18" x 12", Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	495.54	112.00
26 27 16 00-0094 EA 24" x 24" x 12", Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	571.14	122.84
26 27 16 00-0095 EA 30" x 24" x 12", Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	650.15	128.26
26 27 16 00-0096 EA 36" x 24" x 12", Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	687.28	133.68
<b>26 27 16 00-0097 NEMA 1 Enclosures For Up To 6 Boards, Lockable (26 27 16)</b>		
<b>26 27 16 00-0098 4.5" Depth, Hinged Cover, Powder Coated Steel, NEMA 1 Enclosures (26 27 16 00-0097)</b>		
26 27 16 00-0099 EA 24" High x 18" Wide x 4.5" Deep, 18 Gauge, Powder Coated Steel, NEMA 1 Enclosure (RS2 Technologies NCL-12).....	1,144.03	79.49
<b>26 27 16 00-0100 NEMA 12 Enclosures, Lockable (26 27 16)</b>		
Note: Dust-tight enclosures.		
<b>26 27 16 00-0101 Hinged Cover, Galvanized Steel NEMA 12 Enclosures (26 27 16 00-0100)</b>		
<b>26 27 16 00-0102 4" Depth, Hinged Cover, Galvanized Steel NEMA 12 Enclosures (26 27 16 00-0101)</b>		
26 27 16 00-0103 EA 4" x 4" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure.....	99.28	14.45
26 27 16 00-0104 EA 6" x 6" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure.....	128.23	19.87
26 27 16 00-0105 EA 8" x 8" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure.....	157.93	25.30
26 27 16 00-0106 EA 10" x 8" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure.....	171.27	27.10
26 27 16 00-0107 EA 12" x 6" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure.....	193.78	28.91
26 27 16 00-0108 EA 12" x 10" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure.....	209.18	30.71
<b>26 27 16 00-0109 6" Depth, Hinged Cover, Galvanized Steel NEMA 12 Enclosures (26 27 16 00-0101)</b>		
26 27 16 00-0110 EA 6" x 6" x 6" Hinged Cover, Galvanized Steel NEMA 12 Enclosure.....	142.75	21.67
26 27 16 00-0111 EA 8" x 6" x 6" Hinged Cover, Galvanized Steel NEMA 12 Enclosure.....	157.68	23.48
<b>26 27 16 00-0112 Screw Cover, Galvanized Steel NEMA 12 Enclosures (26 27 16 00-0100)</b>		
<b>26 27 16 00-0113 4" Depth, Screw Cover, Galvanized Steel NEMA 12 Enclosures (26 27 16 00-0112)</b>		
26 27 16 00-0114 EA 4" x 4" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	220.54	14.45
26 27 16 00-0115 EA 6" x 6" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	261.59	19.87
26 27 16 00-0116 EA 8" x 6" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	296.74	21.67
26 27 16 00-0117 EA 8" x 8" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	338.93	25.30
26 27 16 00-0118 EA 10" x 8" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	347.33	27.10
26 27 16 00-0119 EA 10" x 10" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	413.81	28.91
26 27 16 00-0120 EA 12" x 10" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	444.71	30.71
26 27 16 00-0121 EA 12" x 12" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	508.87	32.52
<b>26 27 16 00-0122 6" Depth, Screw Cover, Galvanized Steel NEMA 12 Enclosures (26 27 16 00-0112)</b>		
26 27 16 00-0123 EA 6" x 6" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	321.41	21.67
26 27 16 00-0124 EA 8" x 6" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	364.55	23.48
26 27 16 00-0125 EA 8" x 8" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	395.61	27.10
26 27 16 00-0126 EA 10" x 10" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	467.37	32.52
26 27 16 00-0127 EA 12" x 12" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	506.61	36.13
26 27 16 00-0128 EA 16" x 14" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	707.24	46.97
26 27 16 00-0129 EA 18" x 18" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	1,096.59	72.25
26 27 16 00-0130 EA 24" x 16" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	1,448.87	83.10
26 27 16 00-0131 EA 24" x 24" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	1,638.58	90.33
<b>26 27 16 00-0132 8" Depth, Screw Cover, Galvanized Steel NEMA 12 Enclosures (26 27 16 00-0112)</b>		
26 27 16 00-0133 EA 24" x 18" x 8" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	1,505.40	92.13
26 27 16 00-0134 EA 24" x 24" x 8" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	1,742.85	99.35
26 27 16 00-0135 EA 30" x 24" x 8" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	1,920.96	104.77
26 27 16 00-0136 EA 30" x 30" x 8" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	2,126.26	108.39
26 27 16 00-0137 EA 36" x 24" x 8" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	2,095.25	108.39



<b>Electrical</b>	<b>26</b>	<b>26</b>
Low-Voltage Electrical Distribution	26 20	
Low-Voltage Distribution Equipment	26 27	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0138 Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosures <sup>(26 27 16 00-0100)</sup>		
26 27 16 00-0139 8" Depth, Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosures <sup>(26 27 16 00-0138)</sup>		
26 27 16 00-0140 EA 60" x 48" x 8" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure .....	6,963.54	146.78
26 27 16 00-0141 10" Depth, Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosures <sup>(26 27 16 00-0138)</sup>		
26 27 16 00-0142 EA 60" x 48" x 10" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure .....	7,017.56	162.58
26 27 16 00-0143 EA 60" x 60" x 10" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure .....	8,061.63	173.88
26 27 16 00-0144 EA 72" x 60" x 10" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure .....	9,258.59	216.77
26 27 16 00-0145 EA 72" x 72" x 10" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure .....	10,325.66	255.62
26 27 16 00-0146 12" Depth, Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosures <sup>(26 27 16 00-0138)</sup>		
26 27 16 00-0147 EA 60" x 48" x 12" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure .....	7,408.58	255.62
26 27 16 00-0148 EA 60" x 60" x 12" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure .....	8,271.84	270.97
26 27 16 00-0149 EA 72" x 60" x 12" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure .....	9,412.70	289.04
26 27 16 00-0150 EA 72" x 72" x 12" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure .....	10,414.91	289.04
26 27 16 00-0151 NEMA 3 Enclosures, Lockable <sup>(26 27 16)</sup> Note: Can be used underground or encased in concrete.		
26 27 16 00-0152 2" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures <sup>(26 27 16 00-0151)</sup>		
26 27 16 00-0153 EA 4" x 4" x 2" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure .....	271.29	63.23
26 27 16 00-0154 3" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures <sup>(26 27 16 00-0151)</sup>		
26 27 16 00-0155 EA 4" x 4" x 3" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure .....	294.21	63.23
26 27 16 00-0156 EA 5" x 5" x 3" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure .....	385.49	65.48
26 27 16 00-0157 EA 6" x 4" x 3" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure .....	401.08	65.48
26 27 16 00-0158 EA 6" x 6" x 3" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure .....	512.95	67.74
26 27 16 00-0159 4" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures <sup>(26 27 16 00-0151)</sup>		
26 27 16 00-0160 EA 4" x 4" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure .....	381.27	65.48
26 27 16 00-0161 EA 5" x 5" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure .....	422.05	65.48
26 27 16 00-0162 EA 6" x 4" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure .....	440.27	67.74
26 27 16 00-0163 EA 6" x 6" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure .....	565.53	67.74
26 27 16 00-0164 EA 8" x 6" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure .....	623.07	72.25
26 27 16 00-0165 EA 8" x 8" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure .....	671.30	76.78
26 27 16 00-0166 EA 10" x 6" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure .....	701.10	76.78
26 27 16 00-0167 EA 10" x 8" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure .....	841.42	79.03
26 27 16 00-0168 EA 12" x 6" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure .....	915.61	81.29
26 27 16 00-0169 EA 12" x 12" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure .....	1,266.76	90.33
26 27 16 00-0170 6" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures <sup>(26 27 16 00-0151)</sup>		
26 27 16 00-0171 EA 6" x 6" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure .....	598.27	70.00
26 27 16 00-0172 EA 8" x 6" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure .....	759.72	79.03
26 27 16 00-0173 EA 8" x 8" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure .....	897.29	81.29
26 27 16 00-0174 EA 10" x 8" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure .....	1,040.50	83.55
26 27 16 00-0175 EA 10" x 10" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure .....	1,110.77	83.55
26 27 16 00-0176 EA 12" x 8" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure .....	1,266.38	90.33
26 27 16 00-0177 EA 12" x 12" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure .....	1,466.66	101.61
26 27 16 00-0178 EA 16" x 6" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure .....	1,381.17	97.10
26 27 16 00-0179 EA 18" x 12" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure .....	2,690.45	180.65
26 27 16 00-0180 EA 18" x 18" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure .....	4,716.76	225.81
26 27 16 00-0181 8" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures <sup>(26 27 16 00-0151)</sup>		
26 27 16 00-0182 EA 8" x 8" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure .....	1,120.31	85.80
26 27 16 00-0183 EA 12" x 8" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure .....	1,695.01	112.90
26 27 16 00-0184 EA 12" x 12" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure .....	1,723.72	112.90
26 27 16 00-0185 EA 16" x 12" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure .....	2,324.78	169.35
26 27 16 00-0186 EA 18" x 12" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure .....	3,089.10	180.65
26 27 16 00-0187 EA 24" x 24" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure .....	7,929.89	316.14
26 27 16 00-0188 10" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures <sup>(26 27 16 00-0151)</sup>		
26 27 16 00-0189 EA 18" x 12" x 10" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure .....	4,128.59	225.81
26 27 16 00-0190 12" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures <sup>(26 27 16 00-0151)</sup>		

<b>26</b>	<b>Electrical</b>
<b>26 20</b>	<b>Low-Voltage Electrical Distribution</b>
<b>26 27</b>	<b>Low-Voltage Distribution Equipment</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0191 EA 18" x 18" x 12" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure .....	6,398.58	270.97
26 27 16 00-0192 EA 24" x 12" x 12" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure .....	5,245.81	248.39
<b>26 27 16 00-0193 NEMA 3R Enclosures, Lockable (26 27 16)</b> Note: Rain-tight enclosures.		
<b>26 27 16 00-0194 Hinged Cover, Galvanized Steel NEMA 3R Enclosures (26 27 16 00-0193)</b>		
<b>26 27 16 00-0195 4" Depth, Hinged Cover, Galvanized Steel NEMA 3R Enclosures (26 27 16 00-0194)</b>		
26 27 16 00-0196 EA 6" x 4" x 4" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	91.14	18.06
26 27 16 00-0197 EA 6" x 6" x 4" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	100.72	19.87
26 27 16 00-0198 EA 8" x 6" x 4" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	159.19	21.67
<b>26 27 16 00-0199 6" Depth, Hinged Cover, Galvanized Steel NEMA 3R Enclosures (26 27 16 00-0194)</b>		
26 27 16 00-0200 EA 8" x 8" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	200.64	27.10
26 27 16 00-0201 EA 10" x 8" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	223.65	30.71
26 27 16 00-0202 EA 12" x 10" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	264.65	34.32
26 27 16 00-0203 EA 12" x 12" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	287.39	36.13
26 27 16 00-0204 EA 16" x 12" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	374.26	46.97
26 27 16 00-0205 EA 16" x 16" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	445.40	57.81
26 27 16 00-0206 EA 18" x 18" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	500.59	72.25
<b>26 27 16 00-0207 8" Depth, Hinged Cover, Galvanized Steel NEMA 3R Enclosures (26 27 16 00-0194)</b>		
26 27 16 00-0208 EA 24" x 20" x 8" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	783.34	92.13
26 27 16 00-0209 EA 24" x 24" x 8" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	872.47	99.35
26 27 16 00-0210 EA 30" x 24" x 8" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	991.40	104.77
26 27 16 00-0211 EA 30" x 30" x 8" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	1,045.11	108.39
<b>26 27 16 00-0212 10" Depth, Hinged Cover, Galvanized Steel NEMA 3R Enclosures (26 27 16 00-0194)</b>		
26 27 16 00-0213 EA 12" x 48" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	974.25	112.00
26 27 16 00-0214 EA 12" x 54" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	1,100.65	126.46
26 27 16 00-0215 EA 12" x 60" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	1,218.28	140.01
26 27 16 00-0216 EA 12" x 66" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	1,342.85	154.46
26 27 16 00-0217 EA 12" x 72" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	1,461.39	168.00
26 27 16 00-0218 EA 18" x 18" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	613.83	88.51
26 27 16 00-0219 EA 24" x 24" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	974.25	112.00
26 27 16 00-0220 EA 30" x 24" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	1,175.83	115.61
26 27 16 00-0221 EA 36" x 36" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	1,514.55	126.46
<b>26 27 16 00-0222 12" Depth, Hinged Cover, Galvanized Steel NEMA 3R Enclosures (26 27 16 00-0194)</b>		
26 27 16 00-0223 EA 12" x 48" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	970.41	89.43
26 27 16 00-0224 EA 12" x 54" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	1,087.64	100.26
26 27 16 00-0225 EA 12" x 60" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	1,203.97	111.10
26 27 16 00-0226 EA 12" x 66" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	1,332.36	122.84
26 27 16 00-0227 EA 12" x 72" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	1,449.59	133.68
26 27 16 00-0228 EA 18" x 24" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	724.80	66.84
26 27 16 00-0229 EA 18" x 32" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	970.41	89.43
26 27 16 00-0230 EA 18" x 36" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	1,087.64	100.26
26 27 16 00-0231 EA 18" x 42" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	1,281.91	117.42
26 27 16 00-0232 EA 18" x 48" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	1,449.59	133.68
26 27 16 00-0233 EA 30" x 30" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	1,371.43	131.87
26 27 16 00-0234 EA 36" x 24" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	1,449.59	133.68
26 27 16 00-0235 EA 36" x 30" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	1,531.58	137.29
26 27 16 00-0236 EA 36" x 36" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	1,717.07	144.52
26 27 16 00-0237 EA 42" x 30" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure.....	1,868.86	151.74
<b>26 27 16 00-0238 Screw Cover, Galvanized Steel NEMA 3R Enclosures (26 27 16 00-0193)</b>		
<b>26 27 16 00-0239 4" Depth, Screw Cover, Galvanized Steel NEMA 3R Enclosures (26 27 16 00-0238)</b>		
26 27 16 00-0240 EA 4" x 4" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure .....	62.01	14.45
26 27 16 00-0241 EA 6" x 4" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure .....	74.29	18.06
26 27 16 00-0242 EA 6" x 6" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure .....	82.12	19.87
26 27 16 00-0243 EA 8" x 6" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure .....	91.45	21.67
26 27 16 00-0244 EA 8" x 8" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure .....	106.06	25.30
26 27 16 00-0245 EA 10" x 8" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure .....	116.13	27.10
26 27 16 00-0246 EA 10" x 10" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure .....	127.24	28.91
26 27 16 00-0247 EA 12" x 8" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure .....	126.53	28.91
26 27 16 00-0248 EA 12" x 10" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure .....	139.30	30.71
26 27 16 00-0249 EA 12" x 12" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure .....	150.42	32.52
26 27 16 00-0250 EA 18" x 12" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure .....	225.63	50.58
26 27 16 00-0251 EA 18" x 18" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure .....	303.70	65.03
<b>26 27 16 00-0252 6" Depth, Screw Cover, Galvanized Steel NEMA 3R Enclosures (26 27 16 00-0238)</b>		
26 27 16 00-0253 EA 6" x 6" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure .....	84.38	21.67



<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Low-Voltage Electrical Distribution</b>	<b>26 20</b>	
<b>Low-Voltage Distribution Equipment</b>	<b>26 27</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0254 EA 8" x 8" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure .....	118.03	27.10
26 27 16 00-0255 EA 10" x 8" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure .....	133.70	30.71
26 27 16 00-0256 EA 10" x 10" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure .....	145.80	32.52
26 27 16 00-0257 EA 12" x 8" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure .....	144.74	32.52
26 27 16 00-0258 EA 12" x 10" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure .....	157.69	34.32
26 27 16 00-0259 EA 12" x 12" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure .....	170.79	36.13
26 27 16 00-0260 EA 16" x 12" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure .....	223.10	46.97
26 27 16 00-0261 EA 18" x 12" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure .....	254.61	56.00
26 27 16 00-0262 EA 18" x 18" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure .....	342.59	72.25
26 27 16 00-0263 EA 24" x 12" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure .....	355.04	77.68
26 27 16 00-0264 EA 24" x 18" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure .....	412.40	83.10
26 27 16 00-0265 EA 24" x 24" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure .....	468.33	90.33
<b>26 27 16 00-0266 8" Depth, Screw Cover, Galvanized Steel NEMA 3R Enclosures (26 27 16 00-0238)</b>		
26 27 16 00-0267 EA 12" x 12" x 8", Screw Cover, Galvanized Steel NEMA 3R Enclosure .....	191.96	39.74
26 27 16 00-0268 EA 18" x 12" x 8", Screw Cover, Galvanized Steel NEMA 3R Enclosure .....	273.54	61.42
26 27 16 00-0269 EA 18" x 18" x 8", Screw Cover, Galvanized Steel NEMA 3R Enclosure .....	379.58	79.49
26 27 16 00-0270 EA 24" x 18" x 8", Screw Cover, Galvanized Steel NEMA 3R Enclosure .....	456.10	92.13
26 27 16 00-0271 EA 24" x 24" x 8", Screw Cover, Galvanized Steel NEMA 3R Enclosure .....	521.73	99.35
26 27 16 00-0272 EA 30" x 24" x 8", Screw Cover, Galvanized Steel NEMA 3R Enclosure .....	586.13	104.77
<b>26 27 16 00-0273 10" Depth, Screw Cover, Galvanized Steel NEMA 3R Enclosures (26 27 16 00-0238)</b>		
26 27 16 00-0274 EA 18" x 18" x 10" Screw Cover, Galvanized Steel NEMA 3R Enclosure .....	417.80	88.51
26 27 16 00-0275 EA 24" x 24" x 10" Screw Cover, Galvanized Steel NEMA 3R Enclosure .....	570.51	112.00
26 27 16 00-0276 EA 30" x 24" x 10" Screw Cover, Galvanized Steel NEMA 3R Enclosure .....	634.37	115.61
<b>26 27 16 00-0277 12" Depth, Screw Cover, Galvanized Steel NEMA 3R Enclosures (26 27 16 00-0238)</b>		
26 27 16 00-0278 EA 24" x 24" x 12" Screw Cover, Galvanized Steel NEMA 3R Enclosure .....	631.29	122.84
26 27 16 00-0279 EA 30" x 30" x 12" Screw Cover, Galvanized Steel NEMA 3R Enclosure .....	922.80	133.68
26 27 16 00-0280 EA 36" x 30" x 12" Screw Cover, Galvanized Steel NEMA 3R Enclosure .....	954.73	137.29
26 27 16 00-0281 EA 36" x 36" x 12" Screw Cover, Galvanized Steel NEMA 3R Enclosure .....	1,135.27	144.52
<b>26 27 16 00-0282 NEMA 4 Enclosures, Lockable (26 27 16)</b>		
Note: Water-tight enclosures.		
<b>26 27 16 00-0283 Hinge Cover, Painted Steel NEMA 4 Enclosures (26 27 16 00-0282)</b>		
26 27 16 00-0284 EA 4" x 4" x 3" Hinge Cover, Painted Steel NEMA 4 Enclosure .....	101.47	12.65
26 27 16 00-0285 EA 6" x 4" x 3" Hinge Cover, Painted Steel NEMA 4 Enclosure .....	117.85	15.36
26 27 16 00-0286 EA 8" x 6" x 3.5" Hinge Cover, Painted Steel NEMA 4 Enclosure .....	147.01	19.87
26 27 16 00-0287 EA 6" x 6" x 4" Hinge Cover, Painted Steel NEMA 4 Enclosure .....	139.08	19.87
26 27 16 00-0288 EA 10" x 8" x 4" Hinge Cover, Painted Steel NEMA 4 Enclosure .....	185.42	27.10
26 27 16 00-0289 EA 12" x 10" x 5" Hinge Cover, Painted Steel NEMA 4 Enclosure .....	232.05	32.52
26 27 16 00-0290 EA 10" x 8" x 6" Hinge Cover, Painted Steel NEMA 4 Enclosure .....	213.80	30.71
26 27 16 00-0291 EA 12" x 12" x 6" Hinge Cover, Painted Steel NEMA 4 Enclosure .....	248.99	36.13
26 27 16 00-0292 EA 14" x 12" x 6" Hinge Cover, Painted Steel NEMA 4 Enclosure .....	293.77	41.55
26 27 16 00-0293 EA 16" x 14" x 6" Hinge Cover, Painted Steel NEMA 4 Enclosure .....	354.41	52.39
<b>26 27 16 00-0294 Clamp Cover, Painted Steel NEMA 4 Enclosures (26 27 16 00-0282)</b>		
26 27 16 00-0295 EA 4" x 4" x 3" Clamp Cover, Painted Steel NEMA 4 Enclosure .....	92.25	12.65
26 27 16 00-0296 EA 6" x 6" x 4" Clamp Cover, Painted Steel NEMA 4 Enclosure .....	129.87	19.87
<b>26 27 16 00-0297 Screw Cover, Fiberglass NEMA 4 Or 4x Enclosures (26 27 16 00-0282)</b>		
26 27 16 00-0298 EA 6" x 6" x 4", Screw Cover, Fiberglass NEMA 4 Or 4X Enclosure .....	114.62	17.34
26 27 16 00-0299 EA 8" x 6" x 4", Screw Cover, Fiberglass NEMA 4 Or 4X Enclosure .....	121.46	18.79
26 27 16 00-0300 EA 10" x 8" x 6", Screw Cover, Fiberglass NEMA 4 Or 4X Enclosure .....	147.84	24.57
26 27 16 00-0301 EA 12" x 10" x 6", Screw Cover, Fiberglass NEMA 4 Or 4X Enclosure .....	173.91	27.10
26 27 16 00-0302 EA 14" x 12" x 8", Screw Cover, Fiberglass NEMA 4 Enclosure .....	225.90	34.32
26 27 16 00-0303 EA 16" x 14" x 8", Screw Cover, Fiberglass NEMA 4 Enclosure .....	263.78	40.65
26 27 16 00-0304 EA 18" x 16" x 10", Screw Cover, Fiberglass NEMA 4 Enclosure .....	364.70	65.03
<b>26 27 16 00-0305 NEMA 4X Enclosures, Lockable (26 27 16)</b>		
Note: Water-tight enclosures.		
<b>26 27 16 00-0306 Clamp Cover, Aluminum NEMA 4X Enclosures (26 27 16 00-0305)</b>		
26 27 16 00-0307 EA 6" x 4" x 3" Clamp Cover, Aluminum NEMA 4X Enclosure .....	211.06	14.45
26 27 16 00-0308 EA 6" x 6" x 4" Clamp Cover, Aluminum NEMA 4X Enclosure .....	246.43	19.87
26 27 16 00-0309 EA 10" x 8" x 4" Clamp Cover, Aluminum NEMA 4X Enclosure .....	310.73	27.10
26 27 16 00-0310 EA 12" x 10" x 5" Clamp Cover, Aluminum NEMA 4X Enclosure .....	377.55	32.52
26 27 16 00-0311 EA 14" x 12" x 6" Clamp Cover, Aluminum NEMA 4X Enclosure .....	464.23	41.55
26 27 16 00-0312 EA 16" x 14" x 6" Clamp Cover, Aluminum NEMA 4X Enclosure .....	545.40	52.39
<b>26 27 16 00-0313 Clamp Cover, 304 Stainless Steel NEMA 4X Enclosures (26 27 16 00-0305)</b>		

**26 Electrical**  
**26 20 Low-Voltage Electrical Distribution**  
**26 27 Low-Voltage Distribution Equipment**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0314	EA		4" x 4" x 3", Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure ..... <i>For 316 Stainless Steel, Add</i>	321.46 46.38	12.65
26 27 16 00-0315	EA		6" x 4" x 4", Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure ..... <i>For 316 Stainless Steel, Add</i>	416.05 59.34	18.06
26 27 16 00-0316	EA		6" x 6" x 4", Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure ..... <i>For 316 Stainless Steel, Add</i>	472.22 67.61	19.87
26 27 16 00-0317	EA		8" x 6" x 4", Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure ..... <i>For 316 Stainless Steel, Add</i>	541.80 78.02	21.67
26 27 16 00-0318	EA		10" x 8" x 4", Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure ..... <i>For 316 Stainless Steel, Add</i>	664.83 95.53	27.10
26 27 16 00-0319	EA		12" x 10" x 6", Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure ..... <i>For 316 Stainless Steel, Add</i>	939.93 136.66	34.32
26 27 16 00-0320	EA		14" x 12" x 6", Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure ..... <i>For 316 Stainless Steel, Add</i>	1,173.36 171.12	41.55
26 27 16 00-0321	EA		16" x 14" x 6", Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure ..... <i>For 316 Stainless Steel, Add</i>	1,411.62 204.90	52.39
<b>26 27 16 00-0322 Screw Cover, Polycarbonate NEMA 4X Enclosures (26 27 16 00-0305)</b>					
Note: NEMA 3R, 4, 4X and 12 rated.					
26 27 16 00-0323	EA		6" x 6" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover .....	131.77	19.87
26 27 16 00-0324	EA		8" x 6" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover .....	149.24	21.67
26 27 16 00-0325	EA		8" x 8" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover .....	170.17	25.30
26 27 16 00-0326	EA		10" x 8" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover .....	185.48	27.10
26 27 16 00-0327	EA		12" x 10" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover .....	215.03	30.71
26 27 16 00-0328	EA		10" x 8" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover .....	199.91	30.71
26 27 16 00-0329	EA		12" x 10" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover .....	234.79	34.32
26 27 16 00-0330	EA		14" x 12" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover .....	296.12	41.55
26 27 16 00-0331	EA		16" x 14" x 8" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover .....	373.40	56.91
26 27 16 00-0332	EA		18" x 16" x 10" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover .....	469.67	81.92
26 27 16 00-0333	EA		6" x 6" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover .....	143.66	19.87
26 27 16 00-0334	EA		8" x 6" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover .....	163.29	21.67
26 27 16 00-0335	EA		8" x 8" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover .....	185.29	25.30
26 27 16 00-0336	EA		10" x 8" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover .....	203.83	27.10
26 27 16 00-0337	EA		12" x 10" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover .....	234.47	30.71
26 27 16 00-0338	EA		10" x 8" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover .....	218.28	30.71
26 27 16 00-0339	EA		12" x 10" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover .....	259.70	34.32
26 27 16 00-0340	EA		14" x 12" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover .....	309.09	41.55
26 27 16 00-0341	EA		16" x 14" x 8" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover .....	400.41	56.91
26 27 16 00-0342	EA		18" x 16" x 10" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover .....	498.82	81.92
<b>26 27 16 00-0343 Hinged Cover, Polycarbonate NEMA 4X Enclosures (26 27 16 00-0305)</b>					
Note: NEMA 3R, 4, 4X and 12 rated.					
26 27 16 00-0344	EA		6" x 6" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover .....	165.26	19.87
26 27 16 00-0345	EA		8" x 6" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover .....	176.25	21.67
26 27 16 00-0346	EA		8" x 8" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover .....	199.32	25.30
26 27 16 00-0347	EA		10" x 8" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover .....	215.72	27.10
26 27 16 00-0348	EA		12" x 10" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover .....	257.16	30.71
26 27 16 00-0349	EA		10" x 8" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover .....	233.40	30.71
26 27 16 00-0350	EA		12" x 10" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover .....	291.02	34.32
26 27 16 00-0351	EA		14" x 12" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover .....	344.74	41.55
26 27 16 00-0352	EA		16" x 14" x 8" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover .....	415.53	56.91
26 27 16 00-0353	EA		18" x 16" x 10" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover .....	524.74	81.92
26 27 16 00-0354	EA		6" x 6" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover .....	173.90	19.87
26 27 16 00-0355	EA		8" x 6" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover .....	192.44	21.67
26 27 16 00-0356	EA		8" x 8" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover .....	214.44	25.30
26 27 16 00-0357	EA		10" x 8" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover .....	231.91	27.10
26 27 16 00-0358	EA		12" x 10" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover .....	278.77	30.71
26 27 16 00-0359	EA		10" x 8" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover .....	251.75	30.71
26 27 16 00-0360	EA		12" x 10" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover .....	313.71	34.32
26 27 16 00-0361	EA		14" x 12" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover .....	355.54	41.55
26 27 16 00-0362	EA		16" x 14" x 8" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover .....	451.16	56.91
26 27 16 00-0363	EA		18" x 16" x 10" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover .....	562.56	81.92
<b>26 27 16 00-0364 NEMA 7/9 Enclosures, Lockable (26 27 16)</b>					
Note: Nominal inside dimensions.					
<b>26 27 16 00-0365 4" Depth, Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosures (26 27 16 00-0364)</b>					
26 27 16 00-0366	EA		6" x 6" x 4" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure .....	1,320.53	101.61
				<i>For Mounting Pan, Add</i>	59.14
26 27 16 00-0367	EA		6" x 8" x 4" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure .....	1,034.19	108.39
				<i>For Mounting Pan, Add</i>	110.21
26 27 16 00-0368	EA		8" x 10" x 4" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure .....	2,083.25	121.94
				<i>For Mounting Pan, Add</i>	151.97
<b>26 27 16 00-0369 6" Depth, Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosures (26 27 16 00-0364)</b>					





<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Low-Voltage Electrical Distribution</b>	<b>26 20</b>	
<b>Low-Voltage Distribution Equipment</b>	<b>26 27</b>	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0370	EA	8" x 8" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	1,843.23 77.27	121.94
26 27 16 00-0371	EA	8" x 10" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	2,424.54 151.97	125.32
26 27 16 00-0372	EA	8" x 12" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	2,476.11 116.25	135.48
26 27 16 00-0373	EA	10" x 10" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	2,543.57 136.01	135.48
26 27 16 00-0374	EA	10" x 14" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	3,611.48 178.43	169.35
26 27 16 00-0375	EA	12" x 12" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	3,409.32 111.41	152.42
26 27 16 00-0376	EA	12" x 18" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	3,519.12 166.71	169.35
26 27 16 00-0377	EA	12" x 24" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	5,406.40 224.28	304.84
26 27 16 00-0378	EA	14" x 14" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	4,319.27 218.37	203.23
26 27 16 00-0379	EA	16" x 16" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	5,619.14 200.48	338.71
26 27 16 00-0380	EA	18" x 18" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	6,780.73 325.91	338.71
<b>26 27 16 00-0381</b>		<b>8" Depth, Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosures</b> <small>(26 27 16 00-0364)</small>		
26 27 16 00-0382	EA	8" x 12" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	2,893.67 116.25	152.42
26 27 16 00-0383	EA	10" x 10" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	2,914.64 136.01	152.42
26 27 16 00-0384	EA	10" x 14" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	3,313.95 178.43	152.42
26 27 16 00-0385	EA	12" x 12" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	3,672.13 111.41	169.35
26 27 16 00-0386	EA	12" x 18" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	5,298.24 166.71	304.84
26 27 16 00-0387	EA	12" x 24" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	6,446.16 224.28	372.59
26 27 16 00-0388	EA	12" x 36" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	10,222.51 337.29	440.33
26 27 16 00-0389	EA	14" x 14" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	5,779.26 218.37	372.59
26 27 16 00-0390	EA	16" x 16" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	5,943.58 200.48	372.59
26 27 16 00-0391	EA	16" x 24" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	8,956.48 300.51	406.46
26 27 16 00-0392	EA	18" x 18" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	7,372.53 325.91	372.59
26 27 16 00-0393	EA	18" x 24" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	9,910.22 476.58	406.46
26 27 16 00-0394	EA	18" x 30" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	9,840.45 635.35	406.46
26 27 16 00-0395	EA	18" x 36" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	15,338.42 794.06	541.94
26 27 16 00-0396	EA	24" x 24" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	11,654.87 738.34	440.33
26 27 16 00-0397	EA	24" x 36" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	21,197.92 1,010.79	677.43
<b>26 27 16 00-0398</b>		<b>10" Depth, Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosures</b> <small>(26 27 16 00-0364)</small>		
26 27 16 00-0399	EA	12" x 36" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	10,645.22 337.29	440.33
26 27 16 00-0400	EA	16" x 24" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	9,798.44 300.51	406.46
26 27 16 00-0401	EA	18" x 24" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	10,676.68 476.58	440.33
26 27 16 00-0402	EA	18" x 36" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	13,542.81 794.06	474.20
26 27 16 00-0403	EA	24" x 24" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	11,946.21 738.34	474.20
26 27 16 00-0404	EA	24" x 36" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	23,134.43 1,010.79	677.43
<b>26 27 16 00-0405</b>		<b>12" Depth, Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosures</b> <small>(26 27 16 00-0364)</small>		
26 27 16 00-0406	EA	12" x 24" x 12" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure <i>For Mounting Pan, Add</i>	6,596.92 224.28	372.59

<b>26</b>	<b>Electrical</b>
<b>26 20</b>	<b>Low-Voltage Electrical Distribution</b>
<b>26 27</b>	<b>Low-Voltage Distribution Equipment</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>26 27 16 00-0407</b>	<b>Breaker Enclosures <sup>(26 27 16)</sup></b>	
	See CSI section 26 24 16 00-0001 for lighting and power panel boards.	
<b>26 27 16 00-0408</b>	<b>15 To 100 Amperes, F-Frame Breaker Enclosures <sup>(26 27 16 00-0407)</sup></b>	
26 27 16 00-0409 EA	NEMA 1, Painted Steel, 15 To 100 Amperes, F-Frame Breaker Enclosure.....	347.82 72.25
26 27 16 00-0410 EA	NEMA 3R, Painted Steel, 15 To 100 Amperes, F-Frame Breaker Enclosure .....	682.34 72.25
26 27 16 00-0411 EA	NEMA 3/3R/4/4X/5/12, Stainless Steel, 15 To 100 Amperes, F-Frame Breaker Enclosure.....	1,737.97 99.35
26 27 16 00-0412 EA	NEMA 7, Cast Aluminum, 15 To 100 Amperes, F-Frame Breaker Enclosure.....	2,374.52 108.39
26 27 16 00-0413 EA	NEMA 9, Cast Aluminum, 15 To 100 Amperes, F-Frame Breaker Enclosure.....	1,710.85 108.39
26 27 16 00-0414 EA	NEMA 12, Painted Steel, 15 To 100 Amperes, F-Frame Breaker Enclosure.....	559.06 99.35
<b>26 27 16 00-0415</b>	<b>15 To 250 Amperes, H Or J-Frame Breaker Enclosures <sup>(26 27 16 00-0407)</sup></b>	
26 27 16 00-0416 EA	NEMA 1, Painted Steel, 15 To 250 Amperes, H Or J-Frame Breaker Enclosure.....	566.58 99.35
26 27 16 00-0417 EA	NEMA 3R, Painted Steel, 15 To 250 Amperes, H Or J-Frame Breaker Enclosure .....	1,102.27 99.35
26 27 16 00-0418 EA	NEMA 3/3R/4/4X/5/12, Stainless Steel, 15 To 250 Amperes, H Or J-Frame Breaker Enclosure .....	3,915.48 126.46
26 27 16 00-0419 EA	NEMA 12, Painted Steel, 15 To 250 Amperes, H Or J-Frame Breaker Enclosure.....	878.92 126.46
<b>26 27 16 00-0420</b>	<b>125 To 400 Amperes, L-Frame Breaker Enclosures <sup>(26 27 16 00-0407)</sup></b>	
26 27 16 00-0421 EA	NEMA 1, Painted Steel, 125 To 400 Amperes, L-Frame Breaker Enclosure .....	856.71 198.71
26 27 16 00-0422 EA	NEMA 3R, Painted Steel, 125 To 400 Amperes, L-Frame Breaker Enclosure .....	2,177.68 198.71
26 27 16 00-0423 EA	NEMA 3/3R/4/4X/5/12, Stainless Steel, 125 To 400 Amperes, L-Frame Breaker Enclosure.....	6,608.00 252.91
26 27 16 00-0424 EA	NEMA 12, Painted Steel, 125 To 400 Amperes, L-Frame Breaker Enclosure.....	1,477.04 252.91
<b>26 27 16 00-0425</b>	<b>300 To 800 Amperes, M-Frame Breaker Enclosures <sup>(26 27 16 00-0407)</sup></b>	
26 27 16 00-0426 EA	NEMA 1, Painted Steel, 300 To 800 Amperes, M-Frame Breaker Enclosure .....	1,684.90 379.36
26 27 16 00-0427 EA	NEMA 3R, Painted Steel, 300 To 800 Amperes, M-Frame Breaker Enclosure .....	3,081.10 379.36
26 27 16 00-0428 EA	NEMA 3/3R/4/4X/5/12, Stainless Steel, 300 To 800 Amperes, M-Frame Breaker Enclosure.....	11,866.37 487.75
26 27 16 00-0429 EA	NEMA 12, Painted Steel, 300 To 800 Amperes, M-Frame Breaker Enclosure.....	6,265.46 487.75
<b>26 27 16 00-0430</b>	<b>250 To 1,200 Amperes, P-Frame Breaker Enclosures <sup>(26 27 16 00-0407)</sup></b>	
26 27 16 00-0431 EA	NEMA 1, Painted Steel, 250 To 1,200 Amperes, P-Frame Breaker Enclosure.....	2,114.09 379.36
26 27 16 00-0432 EA	NEMA 3R, Painted Steel, 250 To 1,200 Amperes, P-Frame Breaker Enclosure .....	3,759.83 379.36
26 27 16 00-0433 EA	NEMA 3R/5/12, Painted Steel, 250 To 1,200 Amperes, P-Frame Breaker Enclosure .....	7,964.98 487.75
<b>26 27 16 00-0434</b>	<b>Legend Plates <sup>(26 27 16)</sup></b>	
26 27 16 00-0435 EA	3" Phenolic Plastic Cabinet Legend Plate Engraved With 1/2" Letters .....	18.08 4.51
26 27 16 00-0436 EA	3" Engraved Aluminum Cabinet Legend Plate Engraved With 1/2" Letters .....	25.67 4.51
<b>26 27 23</b>	<b>Indoor Service Poles <sup>(26 27)</sup></b>	
<b>26 27 23 00-0001</b>	<b>Communication And Power Poles <sup>(26 27 23)</sup></b>	
	Note: Includes separate compartments for power and communication cable. Includes removable cover plates with knock-outs for modular jacks and openings to accept modular furniture adapters for communication devices. Includes all necessary mounting plates and assemblies. Excludes electrical and communications wire, power outlets and communication devices. Wiremold Tele-Power Pole series.	
<b>26 27 23 00-0002</b>	<b>Steel Communication And Power Poles <sup>(26 27 23 00-0001)</sup></b>	
<b>26 27 23 00-0003</b>	<b>2-1/4" Width, Steel Communication And Power Poles <sup>(26 27 23 00-0002)</sup></b>	
<b>26 27 23 00-0004</b>	<b>2-1/4" Width, Steel Communication And Power Poles <sup>(26 27 23 00-0003)</sup></b>	
26 27 23 00-0005 EA	2-1/4" x 2-5/16", 10'-5" Height, Enamel Finish, Steel Communication And Power Pole.....	297.99 40.02
26 27 23 00-0006 EA	2-1/4" x 2-5/16", 12'-5" Height, Enamel Finish, Steel Communication And Power Pole.....	326.31 40.02
26 27 23 00-0007 EA	2-1/4" x 2-5/16", 15'-5" Height, Enamel Finish, Steel Communication And Power Pole.....	359.06 40.02
<b>26 27 23 00-0008</b>	<b>Additional Cover Plates For 2-1/4" Width, Steel Communication And Power Poles <sup>(26 27 23 00-0003)</sup></b>	
	Note: Excludes receptacles, communication jacks and wiring.	
26 27 23 00-0009 EA	Add-On 2-1/4" Width Steel Cover Plate For Two Duplex Receptacles And One Single Receptacle .....	60.96 8.25
26 27 23 00-0010 EA	Add-On 2-1/4" Width Steel Cover Plate For Three Duplex Receptacles.....	52.03 8.25
26 27 23 00-0011 EA	Add-On 2-1/4" Width Steel Cover Plate For Two Duplex Receptacles And One GFCI Receptacle.....	59.73 8.25
26 27 23 00-0012 EA	Add-On 2-1/4" Width Steel Cover Plate For Data And A/V Modular Devices .....	42.65 8.25
26 27 23 00-0013 EA	Add-On 2-1/4" Width Steel Cover Plate Radius Control Entrance End Fitting .....	34.03 8.25
<b>26 27 23 00-0014</b>	<b>2-3/4" Width, Steel Communication And Power Poles <sup>(26 27 23 00-0002)</sup></b>	
<b>26 27 23 00-0015</b>	<b>2-3/4" Width, Steel Communication And Power Poles <sup>(26 27 23 00-0014)</sup></b>	
26 27 23 00-0016 EA	2-3/4" x 1-17/32", 10'-5" Height, Enamel Finish, Steel Communication And Power Pole.....	395.10 40.02
26 27 23 00-0017 EA	2-3/4" x 1-17/32", 12'-5" Height, Enamel Finish, Steel Communication And Power Pole.....	455.96 40.02
26 27 23 00-0018 EA	2-3/4" x 1-17/32", 15'-5" Height, Enamel Finish, Steel Communication And Power Pole.....	488.80 40.02



<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Low-Voltage Electrical Distribution</b>	<b>26 20</b>	
<b>Low-Voltage Distribution Equipment</b>	<b>26 27</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>26 27 23 00-0019</b> Additional Cover Plates For 2-3/4" Width, Steel Communication And Power Poles <small>(26 27 23 00-0014)</small> Note: Excludes receptacles and communication jacks.		
26 27 23 00-0020 EA Add-On 2-3/4" Width Steel Cover Plate For One Single Receptacle .....	38.85	8.25
26 27 23 00-0021 EA Add-On 2-3/4" Width Steel Cover Plate For One Duplex Receptacle .....	34.30	8.25
26 27 23 00-0022 EA Add-On 2-3/4" Width Steel Cover Plate For Data And A/V Modular Devices .....	37.55	8.25
<b>26 27 23 00-0023</b> 3" Width, Steel Communication And Power Poles <small>(26 27 23 00-0002)</small>		
<b>26 27 23 00-0024</b> 3" Width, Steel Communication And Power Poles <small>(26 27 23 00-0023)</small>		
26 27 23 00-0025 EA 3" x 2-3/4", 10'-5" Height, Enamel Finish, Steel Communication And Power Pole .....	524.06	40.02
26 27 23 00-0026 EA 3" x 2-3/4", 12'-5" Height, Enamel Finish, Steel Communication And Power Pole .....	597.32	40.02
26 27 23 00-0027 EA 3" x 2-3/4", 15'-5" Height, Enamel Finish, Steel Communication And Power Pole .....	645.60	40.02
<b>26 27 23 00-0028</b> Additional Cover Plates For 3" Width, Steel Communication And Power Poles <small>(26 27 23 00-0023)</small> Note: Excludes receptacles and communication jacks.		
26 27 23 00-0029 EA Add-On 3" Width Steel Steel Cover Plate For One Single Receptacle .....	38.85	8.25
26 27 23 00-0030 EA Add-On 3" Width Steel Cover Plate For One Duplex Receptacle .....	34.30	8.25
26 27 23 00-0031 EA Add-On 3" Width Steel Cover Plate For Data And A/V Modular Devices .....	37.55	8.25
<b>26 27 23 00-0032</b> Aluminum Communication And Power Poles <small>(26 27 23 00-0001)</small>		
<b>26 27 23 00-0033</b> 2-1/8" Width, Aluminum Communication And Power Poles <small>(26 27 23 00-0032)</small>		
<b>26 27 23 00-0034</b> 2-1/8" Width, Aluminum Communication And Power Poles <small>(26 27 23 00-0033)</small>		
26 27 23 00-0035 EA 2-1/8" x 2-3/8", 10'-5" Height, Satin Anodized Finish, Aluminum Communication And Power Pole .....	414.16	40.02
26 27 23 00-0036 EA 2-1/8" x 2-3/8", 12'-5" Height, Satin Anodized Finish, Aluminum Communication And Power Pole .....	465.37	40.02
26 27 23 00-0037 EA 2-1/8" x 2-3/8", 15'-5" Height, Satin Anodized Finish, Aluminum Communication And Power Pole .....	522.79	40.02
<b>26 27 23 00-0038</b> Additional Cover Plates For 2-1/8" Width, Aluminum Communication And Power Poles <small>(26 27 23 00-0033)</small>		
26 27 23 00-0039 EA Add-On 2-1/8" Width Aluminum Cover Plate For Two Duplex Receptacles And One Single Receptacle .....	62.71	8.25
26 27 23 00-0040 EA Add-On 2-1/8" Width Aluminum Cover Plate For Three Duplex Receptacles .....	64.16	8.25
26 27 23 00-0041 EA Add-On 2-1/8" Width Aluminum Cover Plate For Two Duplex Receptacles And One GFCI Receptacle .....	68.97	8.25
26 27 23 00-0042 EA Add-On 2-1/8" Width Aluminum Cover Plate For Data And A/V Modular Devices .....	45.35	8.25
26 27 23 00-0043 EA Add-On 2-1/8" Width Aluminum Radius Control Entrance End Fitting .....	34.03	8.25
<b>26 27 23 00-0044</b> 2-1/4" Width, Aluminum Communication And Power Poles <small>(26 27 23 00-0032)</small>		
26 27 23 00-0045 EA 2-1/4" x 2-5/16", 10'-2" Height, Satin Anodized Finish, Aluminum Communication And Power Pole .....	398.16	40.02
26 27 23 00-0046 EA 2-1/4" x 2-5/16", 12'-8" Height, Satin Anodized Finish, Aluminum Communication And Power Pole .....	450.69	40.02
26 27 23 00-0047 EA 2-1/4" x 2-5/16", 15'-2" Height, Satin Anodized Finish, Aluminum Communication And Power Pole .....	512.57	40.02
<b>26 27 23 00-0048</b> 5" Width, Aluminum Communication And Power Poles <small>(26 27 23 00-0032)</small>		
26 27 23 00-0049 EA 5" x 4-3/4", 10'-2" Height, Satin Anodized Finish, Aluminum Communication And Power Pole .....	866.04	40.02
26 27 23 00-0050 EA 5" x 4-3/4", 12'-8" Height, Satin Anodized Finish, Aluminum Communication And Power Pole .....	994.87	40.02
26 27 23 00-0051 EA 5" x 4-3/4", 15'-2" Height, Satin Anodized Finish, Aluminum Communication And Power Pole .....	1,139.16	40.02
<b>26 27 23 00-0052</b> 2" Diameter, Round Aluminum Communication And Power Pole <small>(26 27 23 00-0032)</small>		
26 27 23 00-0053 EA 2" Diameter, 10'-4" Height, Satin Anodized Finish, Aluminum Communication And Power Pole .....	456.87	40.02
26 27 23 00-0054 EA 2" Diameter, 10'-4" Height, Painted White Finish, Aluminum Communication And Power Pole .....	430.91	40.02
26 27 23 00-0055 EA 2" Diameter, 10'-4" Height, Polished Anodized Finish, Aluminum Communication And Power Pole .....	560.48	40.02
<b>26 27 26</b> <b>Wiring Devices</b> <small>(26 27)</small> Note: Includes device, installation, wire connections, support clips (where necessary) and testing. Assemblies include outlet device, cover plate, mounting and appropriate box.		
<b>26 27 26 00-0001</b> Receptacles <small>(26 27 26)</small>		
<b>26 27 26 00-0002</b> General Use Receptacles <small>(26 27 26 00-0001)</small>		
<b>26 27 26 00-0003</b> Receptacle Assemblies <small>(26 27 26 00-0002)</small> Note: Includes 4" square steel box, bracket, mud ring, receptacle and cover plate.		
26 27 26 00-0004 EA 15 Amperes, 1 Gang, NEMA 5-15, Duplex Receptacle Assembly .....	78.28	32.07
26 27 26 00-0005 EA 20 Amperes, 1 Gang, NEMA 5-20, Duplex Receptacle Assembly .....	83.81	34.32
26 27 26 00-0006 EA 15 Amperes, 2 Gang, NEMA 5-15, Duplex Receptacle Assembly .....	100.67	41.10
26 27 26 00-0007 EA 20 Amperes, 2 Gang, NEMA 5-20, Duplex Receptacle Assembly .....	111.75	45.62
26 27 26 00-0008 EA 15 Amperes, 1 Gang, GFI, Duplex Receptacle Assembly .....	92.10	32.07
26 27 26 00-0009 EA 20 Amperes, 1 Gang, GFI, Duplex Receptacle Assembly .....	98.37	34.32
<b>26 27 26 00-0010</b> Receptacle Components <small>(26 27 26 00-0002)</small>		

**26 Electrical**  
**26 20 Low-Voltage Electrical Distribution**  
**26 27 Low-Voltage Distribution Equipment**



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 26 00-0011 EA 15 Amperes, 125 Volt, 1 Phase, NEMA 5-15, Single Receptacle .....	21.83	9.04
26 27 26 00-0012 EA 15 Amperes, 125 Volt, 1 Phase, NEMA 5-15, Duplex Receptacle .....	21.02	9.04
26 27 26 00-0013 EA 15 Amperes, 120/277 Volt, 3 Wire, Single Receptacle .....	25.78	9.04
26 27 26 00-0014 EA 15 Amperes, 120/277 Volt, 3 Wire, Duplex Receptacle .....	28.53	9.04
26 27 26 00-0015 EA 15 Amperes, 250 Volt, 1 Phase, NEMA 6-15, Single Receptacle .....	36.55	11.29
26 27 26 00-0016 EA 15 Amperes, 250 Volt, 1 Phase, NEMA 6-15, Duplex Receptacle .....	45.58	11.29
26 27 26 00-0017 EA 20 Amperes, 125 Volt, 1 Phase, NEMA 5-20, Single Receptacle .....	22.89	9.04
26 27 26 00-0018 EA 20 Amperes, 125 Volt, 1 Phase, NEMA 5-20, Duplex Receptacle .....	22.04	9.04
26 27 26 00-0019 EA 20 Amperes, 120/277 Volt, Single Receptacle .....	34.44	9.04
26 27 26 00-0020 EA 20 Amperes, 120/277 Volt, Duplex Receptacle .....	27.66	9.04
26 27 26 00-0021 EA 20 Amperes, 250 Volt, 1 Phase, NEMA 6-20, Single Receptacle .....	36.55	11.29
26 27 26 00-0022 EA 20 Amperes, 250 Volt, 1 Phase, NEMA 6-20, Duplex Receptacle .....	45.58	11.29
26 27 26 00-0023 EA 20 Amperes, 125/250 Volt, 1 Phase, NEMA 14-20, Single Receptacle .....	74.54	11.29
26 27 26 00-0024 EA 20 Amperes, 250 Volt, 3 Phase, NEMA 15-20, Single Receptacle .....	74.54	11.29
26 27 26 00-0025 EA 25 Amperes, 120/277 Volt, Duplex Receptacle .....	60.47	13.55
<b>26 27 26 00-0026 Specialty Receptacles (26 27 26 00-0001)</b>		
<b>26 27 26 00-0027 Specialty Receptacles (26 27 26 00-0026)</b>		
26 27 26 00-0028 EA 30 Amperes, 125 Volt, 1 Phase, NEMA 5-30, Single Receptacle .....	52.11	15.81
26 27 26 00-0029 EA 30 Amperes, 250 Volt, 1 Phase, NEMA 6-30, Single Receptacle .....	52.11	15.81
26 27 26 00-0030 EA 30 Amperes, 125/250 Volt, NEMA 10-30, Single Receptacles .....	73.15	15.81
26 27 26 00-0031 EA 30 Amperes, 125/250 Volt, 1 Phase, NEMA 14-30, Single Receptacle .....	83.57	15.81
26 27 26 00-0032 EA 30 Amperes, 250 Volt, 3 Phase, NEMA 15-30, Single Receptacle .....	88.09	18.06
26 27 26 00-0033 EA 50 Amperes, 125 Volt, 1 Phase, NEMA 5-50, Single Receptacle .....	80.58	18.06
26 27 26 00-0034 EA 50 Amperes, 250 Volt, 1 Phase, NEMA 6-50, Single Receptacle .....	78.47	18.06
26 27 26 00-0035 EA 50 Amperes, 277 Volt, NEMA 7-50, Single Receptacle .....	67.56	18.06
26 27 26 00-0036 EA 50 Amperes, 125/250 Volt, NEMA 10-50, Single Receptacle .....	89.33	18.06
26 27 26 00-0037 EA 50 Amperes, 125/250 Volt, 1 Phase, NEMA 14-50, Single Receptacle .....	99.64	18.06
26 27 26 00-0038 EA 50 Amperes, 250 Volt, 3 Phase, NEMA 15-50, Single Receptacle .....	104.15	20.32
26 27 26 00-0039 EA 60 Amperes, 125/250 Volt, 1 Phase, NEMA 14-60, Single Receptacle .....	114.44	22.58
26 27 26 00-0040 EA 60 Amperes, 250 Volt, 3 Phase, NEMA 15-60, Single Receptacle .....	123.47	27.10
26 27 26 00-0041 EA 100 Amperes, 480 Volt, 3 Phase, Joy Receptacle With Box, Complete .....	1,195.52	212.26
26 27 26 00-0042 EA 400 Amperes, 4 Pole Weatherproof Generator Receptacle With Box, Complete .....	3,073.33	259.68
26 27 26 00-0043 EA 30 Amperes, 230 Volt, Dryer Receptacle .....	62.63	18.06
26 27 26 00-0044 EA 60 Amperes, 230 Volt, Range Receptacle .....	91.31	27.10
26 27 26 00-0045 EA 15 Or 20 Amperes, 120/277 Volt, Clock Hanger Receptacle .....	62.03	11.29
26 27 26 00-0046 EA Cable Reel With 20 Amperes, 120 Volt Receptacle, Complete .....	1,224.74	274.99
<b>26 27 26 00-0047 Isolated Ground Receptacles (26 27 26 00-0026)</b>		
26 27 26 00-0048 EA 15 Amperes, 125 Volt, NEMA 5-15R Isolated Ground Receptacle, Simplex .....	87.54	9.04
Note: 2 Pole, 3 wire.		
26 27 26 00-0049 EA 20 Amperes, 120 Volt Isolated Ground Receptacles, Simplex .....	51.75	11.29
26 27 26 00-0050 EA 20 Amperes, 120 Volt Isolated Ground Receptacles, Duplex .....	51.54	11.29
26 27 26 00-0051 EA 30 Amperes, 120 Volt Isolated Ground Receptacles, Simplex .....	70.31	18.06
26 27 26 00-0052 EA Locking 15 Amperes, 250 Volt Isolated Ground Receptacles .....	58.70	11.29
26 27 26 00-0053 EA Locking 15 Amperes, 277 Volt Isolated Ground Receptacles .....	53.29	11.29
26 27 26 00-0054 EA Locking 20 Amperes, 120/208 Volt Isolated Ground Receptacles .....	74.73	13.55
26 27 26 00-0055 EA Locking 20 Amperes, 277/480 Volt Isolated Ground Receptacles .....	57.89	13.55
26 27 26 00-0056 EA Locking 20 Amperes, 347/600 Volt Isolated Ground Receptacles .....	76.73	13.55
26 27 26 00-0057 EA Locking 30 Amperes, 120/208 Volt Isolated Ground Receptacles .....	95.09	13.55
26 27 26 00-0058 EA Locking 30 Amperes, 277 Volt Isolated Ground Receptacles .....	91.17	18.06
<b>26 27 26 00-0059 Explosion Proof Receptacles (26 27 26 00-0026)</b>		
26 27 26 00-0060 EA 1/2", 20 Amperes, 2 Watt, 3 Pole, Type CPS Explosion Proof Receptacle Assembly .....	935.05	22.58
26 27 26 00-0061 EA 3/4", 20 Amperes, 2 Watt, 3 Pole, Type CPS Explosion Proof Receptacle Assembly .....	858.17	24.84
26 27 26 00-0062 EA 3/4", 30 Amperes, 2 Watt, 3 Pole, Type CES/CESD Explosion Proof Receptacle Assembly .....	1,423.54	45.16
26 27 26 00-0063 EA 3/4", 30 Amperes, 3 Watt, 4 Pole, Type CES/CESD Explosion Proof Receptacle Assembly .....	1,802.98	45.16
26 27 26 00-0064 EA 1-1/4", 60 Amperes, 2 Watt, 4 Pole, Type CES/CESD Explosion Proof Receptacle Assembly .....	2,272.58	67.74
26 27 26 00-0065 EA 1-1/4", 60 Amperes, 3 Watt, 4 Pole, Type CES/CESD Explosion Proof Receptacle Assembly .....	2,162.72	67.74
<b>26 27 26 00-0066 Ground Fault Circuit Interrupter (GFCI) (26 27 26 00-0026)</b>		
26 27 26 00-0067 EA 15 Amperes, Ground Fault Circuit Interrupter (GFCI), Duplex Receptacle .....	32.60	11.29
26 27 26 00-0068 EA 20 Amperes, Ground Fault Circuit Interrupter (GFCI), Duplex Receptacle .....	45.64	13.55
26 27 26 00-0069 EA 15 Amperes, 120 Volt, Ground Fault Circuit Interrupter (GFCI), Weatherproof Duplex Receptacle .....	35.00	15.39
26 27 26 00-0070 EA 20 Amperes, 120 Volt, Ground Fault Circuit Interrupter (GFCI), Weatherproof Duplex Receptacle .....	59.82	18.06
<b>26 27 26 00-0071 Arc Fault Circuit Interrupter (AFCI) (26 27 26 00-0026)</b>		
26 27 26 00-0072 EA 15 Amperes, 125 Volt Duplex Arc Fault Circuit Interrupter (AFCI), Tamper Resistant Receptacle .....	62.74	11.29
26 27 26 00-0073 EA 20 Amperes, 125 Volt Duplex Arc Fault Circuit Interrupter (AFCI), Tamper Resistant Receptacle .....	69.44	11.29
<b>26 27 26 00-0074 Locking Receptacle (26 27 26 00-0026)</b>		
26 27 26 00-0075 EA NEMA L5-15, 125 Volt, 2 Pole, 15 Amperes, Locking Receptacle .....	48.67	11.29
26 27 26 00-0076 EA NEMA L6-15, 250 Volt, 2 Pole, 15 Amperes, Locking Receptacle .....	62.21	11.29



<b>Electrical</b>	<b>26</b>	
Low-Voltage Electrical Distribution	26 20	26
Low-Voltage Distribution Equipment	26 27	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 26 00-0077 EA NEMA L5-20, 125 Volt, 2 Pole, 20 Amperes, Locking Receptacle.....	53.03	13.55
26 27 26 00-0078 EA NEMA L6-20, 250 Volt, 2 Pole, 20 Amperes, Locking Receptacle.....	52.43	13.55
26 27 26 00-0079 EA NEMA L8-20, 480 Volt, 2 Pole, 20 Amperes, Locking Receptacle.....	64.34	13.55
26 27 26 00-0080 EA NEMA L9-20, 600 Volt, 2 Pole, 20 Amperes, Locking Receptacle.....	79.74	13.55
26 27 26 00-0081 EA NEMA L10-20, 125/250 Volt, 3 Pole, 20 Amperes, Locking Receptacle.....	78.04	13.55
26 27 26 00-0082 EA NEMA L14-20, 125/250 Volt, 3 Pole, 20 Amperes, Locking Receptacle.....	66.78	13.55
26 27 26 00-0083 EA NEMA L5-30, 125 Volt, 2 Pole, 30 Amperes, Locking Receptacle.....	73.78	18.06
26 27 26 00-0084 EA NEMA L6-30, 250 Volt, 2 Pole, 30 Amperes, Locking, Receptacle.....	75.21	18.06
26 27 26 00-0085 EA NEMA L15-30, 250 Volt, 3 Pole, 30 Amperes, Locking Receptacle.....	98.61	18.06
<b>26 27 26 00-0086 Weathertight Pin And Sleeve Receptacle (26 27 26 00-0026)</b>		
26 27 26 00-0087 EA 20 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 320R4W).....	250.42	45.16
26 27 26 00-0088 EA 20 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 320R6W).....	249.76	45.16
26 27 26 00-0089 EA 20 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 320R7W).....	262.25	45.16
26 27 26 00-0090 EA 20 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 420R12W).....	324.22	49.68
26 27 26 00-0091 EA 20 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 420R9W).....	325.26	49.68
26 27 26 00-0092 EA 20 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 420R7W).....	322.86	49.68
26 27 26 00-0093 EA 30 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 330R4W).....	390.14	55.54
26 27 26 00-0094 EA 30 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 330R6W).....	369.83	55.54
26 27 26 00-0095 EA 30 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 330R7W).....	401.62	55.54
26 27 26 00-0096 EA 30 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 430R12W).....	401.83	60.97
26 27 26 00-0097 EA 30 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 430R9W).....	401.43	60.97
26 27 26 00-0098 EA 30 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 430R7W).....	404.31	60.97
26 27 26 00-0099 EA 60 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 360R4W).....	575.98	72.25
26 27 26 00-0100 EA 60 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 360R6W).....	551.39	72.25
26 27 26 00-0101 EA 60 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 360R7W).....	567.39	72.25
26 27 26 00-0102 EA 60 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 460R12W).....	631.93	80.39
26 27 26 00-0103 EA 60 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 460R9W).....	632.40	80.39
26 27 26 00-0104 EA 60 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 460R7W).....	632.88	80.39
26 27 26 00-0105 EA 100 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 3100R6W).....	702.69	90.33
26 27 26 00-0106 EA 100 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 3100R7W).....	734.21	90.33
26 27 26 00-0107 EA 100 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 4100R12W).....	788.18	99.35
26 27 26 00-0108 EA 100 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 4100R9W).....	785.81	99.35
26 27 26 00-0109 EA 100 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 4100R7W).....	790.26	99.35
<b>26 27 26 00-0110 Corrosion Resistant Receptacle (26 27 26 00-0026)</b>		
26 27 26 00-0111 EA 15/20 Amperes, 125 Volt Corrosion Resistant, Power Receptacles.....	66.25	9.04
26 27 26 00-0112 EA 15/20 Amperes, 250 Volt Corrosion Resistant, Power Receptacles.....	136.45	11.29
<b>26 27 26 00-0113 Tamper Resistant Receptacle (26 27 26 00-0026)</b>		
26 27 26 00-0114 EA 15 Amperes, 125 Volt Duplex Tamper Resistant Receptacle..... Note: Pass & Seymour 3232-TR.	23.87	9.04
26 27 26 00-0115 EA 20 Amperes, 125 Volt Duplex Tamper Resistant Receptacle..... Note: Pass & Seymour TR20.	26.86	9.04
26 27 26 00-0116 EA 15 Amperes, 125 Volt Single Specification Grade Tamper Resistant Receptacle..... Note: Pass & Seymour TR5251.	35.45	9.04
26 27 26 00-0117 EA 20 Amperes, 125 Volt Single Specification Grade Tamper Resistant Receptacle..... Note: Pass & Seymour TR5351.	39.48	9.04
26 27 26 00-0118 EA 15 Amperes, 125 Volt Duplex Ground Fault Circuit Interrupter (GFCI), Tamper Resistant Receptacle..... Note: Pass & Seymour S1595-TR*CC8.	63.67	9.04
26 27 26 00-0119 EA 15 Amperes, 125 Volt Duplex Ground Fault Circuit Interrupter (GFCI), Specification Grade Tamper Resistant Receptacle..... Note: Pass & Seymour 1595-TRS.	69.43	9.04
26 27 26 00-0120 EA 20 Amperes, 125 Volt Duplex Ground Fault Circuit Interrupter (GFCI), Specification Grade Tamper Resistant Receptacle..... Note: Pass & Seymour 2095-TRS.	74.94	9.04
<b>26 27 26 00-0121 USB Charger/Duplex Tamper-Resistant Receptacles (26 27 26 00-0026)</b>		
26 27 26 00-0122 EA 15 Amperes, 125 Volt Duplex USB Charger/Duplex Tamper-Resistant Receptacle.....	65.77	9.04
26 27 26 00-0123 EA 20 Amperes, 125 Volt Duplex USB Charger/Duplex Tamper-Resistant Receptacle.....	71.74	9.04
<b>26 27 26 00-0124 Television Receptacle (26 27 26 00-0001)</b>		
26 27 26 00-0125 EA TV Receptacle With Cover (Type F), Complete.....	62.20	20.95
<b>26 27 26 00-0126 Switches (26 27 26)</b>		
<b>26 27 26 00-0127 Switches (26 27 26 00-0126)</b>		
<b>26 27 26 00-0128 Switch Assemblies (26 27 26 00-0127)</b>		
Note: Includes 4" square steel box, bracket, mud ring, switch and cover plate.		
26 27 26 00-0129 EA 1 Gang, 15 Amperes, 120/277 Volt, SPST, Switch Assembly.....	81.83	31.61
26 27 26 00-0130 EA 1 Gang, 20 Amperes, 120/277 Volt, SPST, Switch Assembly.....	87.74	34.32
26 27 26 00-0131 EA 2 Gang, 15 Amperes, 120/277 Volt, SPST, Switch Assembly.....	110.01	41.32
26 27 26 00-0132 EA 2 Gang, 20 Amperes, 120/277 Volt, SPST, Switch Assembly.....	120.04	45.84
26 27 26 00-0133 EA 3 Gang, 15 Amperes, 120/277 Volt, SPST, Switch Assembly.....	188.67	70.90

<b>26</b>	<b>Electrical</b>
<b>26 20</b>	<b>Low-Voltage Electrical Distribution</b>
<b>26 27</b>	<b>Low-Voltage Distribution Equipment</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 26 00-0134 EA 3 Gang, 20 Amperes, 120/277 Volt, SPST, Switch Assembly .....	203.72	77.68
26 27 26 00-0135 EA 4 Gang, 15 Amperes, 120/277 Volt, SPST, Switch Assembly .....	217.33	80.16
26 27 26 00-0136 EA 4 Gang, 20 Amperes, 120/277 Volt, SPST, Switch Assembly .....	237.39	89.19
<b>26 27 26 00-0137 Switch Components</b> <small>(26 27 26 00-0127)</small>		
26 27 26 00-0138 EA 15 Amperes, 120/277 Volt, SPST Switch .....	25.47	9.04
26 27 26 00-0139 EA 15 Amperes, 120/277 Volt, 3-Way Switch .....	32.32	11.29
26 27 26 00-0140 EA 15 Amperes, 120/277 Volt, 4-Way Switch .....	64.38	18.06
26 27 26 00-0141 EA 15 Amperes, 120/277 Volt, DPST Switch .....	29.78	9.04
26 27 26 00-0142 EA 15 Amperes, 120/277 Volt, Thermal Switch .....	59.41	11.29
26 27 26 00-0143 EA 20 Amperes, 120/277 Volt, SPST Switch .....	30.49	11.29
26 27 26 00-0144 EA 20 Amperes, 120/277 Volt, 3-Way Switch .....	37.92	13.55
26 27 26 00-0145 EA 20 Amperes, 120/277 Volt, 4-Way Switch .....	90.01	18.06
26 27 26 00-0146 EA 20 Amperes, 120/277 Volt, DPST Switch .....	37.40	11.29
26 27 26 00-0147 EA 20 Amperes, 120/277 Volt, DPDT Switch .....	40.46	11.29
26 27 26 00-0148 EA 15 Amperes, 120/277 Volt, Single Pole, Toggle, Three Position, Center Off, Momentary Contact Switch .....	82.69	11.32
26 27 26 00-0149 EA 15 Amperes, 120/277 Volt, Key Operated, Single Pole, Three Position, Center Off, Momentary Contact Switch .....	105.46	11.32
26 27 26 00-0150 EA Momentary Contact Switch With Separate Neon Pilot .....	78.43	13.58
Note: Neon Pilot is 125 V, 1 / 125W.		
26 27 26 00-0151 EA 20 Amperes, 125 Volt AC, Single Pole, Maintained Contact Switch With Center Off .....	46.96	15.81
Note: Or 250 VAC 10 Amp, double throw BAT handle.		
26 27 26 00-0152 EA 20 Amperes, 125 Volt AC, Double Pole, Maintained Contact Switch .....	58.49	18.06
Note: Or 250 VAC 10 Amp, with center off double throw BAT handle.		
26 27 26 00-0153 EA 20 Amperes, 125 Volt AC, Three Pole, Maintained Contact Switch .....	90.08	18.06
Note: Or 250 VAC 10 Amp, with center off double throw BAT handle.		
26 27 26 00-0154 EA 30 Amperes, 120/277 Volt, Single Pole, Local Switch .....	80.26	18.10
26 27 26 00-0155 EA 30 Amperes, 120/277 Volt, Double Pole, Local Switch .....	100.73	18.10
26 27 26 00-0156 EA 30 Amperes, 120/277 Volt, Three-Way Local Switch .....	103.77	22.63
26 27 26 00-0157 EA 30 Amperes, 120/277 Volt, Four-Way Local Switch .....	147.73	24.90
26 27 26 00-0158 EA 15 Amperes, 120/277 Volt, Local Switch With Neon Pilot .....	63.25	14.80
26 27 26 00-0159 EA 15 Amperes, 120/277 Volt, Local Switch With Separate Neon Pilot .....	94.45	14.80
Note: Neon pilot is 125V, 1/25W. Requires 2 gang installation.		
26 27 26 00-0160 EA 15 Amperes, 120 Volt, Clear Toggle, Lighted In On Position, Single Pole, Lighted Toggle Switch .....	81.00	14.80
26 27 26 00-0161 EA 15 Amperes, 120 Volt, Ivory Toggle, Lighted In Off Position, Lighted Toggle Switch .....	76.37	14.80
26 27 26 00-0162 EA 6 Amperes, 125 Volt, Door Open-Light On, Automatic Door Switch .....	92.19	7.33
26 27 26 00-0163 EA 6 Amperes, 125 Volt, Door Closed-Light On, Automatic Door Switch .....	98.47	7.33
26 27 26 00-0164 EA 15 Amperes, 120/277 Volt, Three Position, Center Off, Toggle, Single Pole Momentary Contact Switch .....	99.62	28.25
26 27 26 00-0165 EA Three Position, Center Off, Key Operated, Momentary Contact Switch .....	122.39	28.25
Note: 15A, 120/277 V, Single Pole		
26 27 26 00-0166 EA Single Pole, Slide Dimmer (Leviton IP710-LFZ) .....	152.44	9.06
26 27 26 00-0167 EA 8 Amperes, 120/277 Volt, 0 To 10 Volt Dimmer LED Control Switch, White (Lutron DVSTV-WH) .....	78.76	9.06
26 27 26 00-0168 EA 120/277 Volt, (8 Amperes Lighting/3 Amperes Fan), Wireless Dimming Switch (Lutron MRF2-8S-DV-WH) .....	262.92	9.04
26 27 26 00-0169 EA 120 Volt, Companion Wireless Dimmer Switch (Lutron MA-AS-WH) .....	46.52	9.04
26 27 26 00-0170 EA 1200VA 0-10V LED And Fluorescent, Sunrise Electronic Wall Dimmer (Philips SR1200ZTUNV) .....	84.38	9.06
26 27 26 00-0171 EA 1 Zone, 2 Button Wireless Scheduling Switch (LG 9SSA2B1T520.ALWB000) .....	97.80	9.06
26 27 26 00-0172 EA 2 Zone, 4 Button Wireless Scheduling Switch (LG 9SSA2B2T520.ALWB000) .....	127.10	9.06
26 27 26 00-0173 EA Wireless Single Rocker Remote Switch (Leviton WSSOS-S9) .....	157.20	9.06
<b>26 27 26 00-0174 Specialty Switches</b> <small>(26 27 26 00-0126)</small>		
<b>26 27 26 00-0175 Dimmers With SPST Switch</b> <small>(26 27 26 00-0174)</small>		
26 27 26 00-0176 EA 600 Watt Dimmers With SPST Switch .....	56.66	20.32
26 27 26 00-0177 EA 1,000 Watt Dimmers With SPST Switch .....	106.64	20.32
26 27 26 00-0178 EA 1,500 Watt Dimmers With SPST Switch .....	194.48	32.70
26 27 26 00-0179 EA 2,000 Watt Dimmers With SPST Switch .....	258.26	32.70
26 27 26 00-0180 EA 600 Watt Fluorescent Dimmer Switch .....	140.12	24.11
26 27 26 00-0181 EA 1,000 Watt Fluorescent Dimmer Switch .....	195.00	24.11
26 27 26 00-0182 EA 1,500 Watt Fluorescent Dimmer Switch .....	357.49	36.40
26 27 26 00-0183 EA Remote Speed Switch For Paddle Fan .....	95.48	30.08
26 27 26 00-0184 EA 600 Watt Combination Remote Speed Switch/Incandescent Dimmer .....	160.42	44.89
<b>26 27 26 00-0185 Time Switches</b> <small>(26 27 26 00-0174)</small>		
26 27 26 00-0186 EA 40 Amperes, 125 Volt, SPST, Standard Time Switch .....	111.92	27.10
26 27 26 00-0187 EA 40 Amperes, 277 Volt, SPST, Standard Time Switch .....	114.81	27.10
26 27 26 00-0188 EA 40 Amperes, 125 Volt, DPST, Standard Time Switch .....	111.92	27.10
26 27 26 00-0189 EA 40 Amperes, 277 Volt, DPST, Standard Time Switch .....	114.81	27.10
26 27 26 00-0190 EA 40 Amperes, 125 Volt, SPST, 7-Day Time Switch .....	131.17	27.10
26 27 26 00-0191 EA 40 Amperes, 277 Volt, SPST, 7-Day Time Switch .....	131.17	27.10
26 27 26 00-0192 EA 40 Amperes, 125 Volt, DPDT, 7-Day Time Switch .....	244.71	27.10
26 27 26 00-0193 EA 40 Amperes, 277 Volt, DPDT, 7-Day Time Switch .....	244.71	27.10
26 27 26 00-0194 EA 20 Amperes, 125 Volt, SPST, Programmable Time Switch .....	208.28	27.10
26 27 26 00-0195 EA 20 Amperes, 277 Volt, SPST, Programmable Time Switch .....	230.53	27.10
26 27 26 00-0196 EA 20 Amperes, 277 Volt, SPST, Weatherproof Programmable Time Switch .....	230.53	27.10
26 27 26 00-0197 EA 40 Amperes, 125 Volt, 4PST, Astro Dial Time Switch .....	283.10	27.10
26 27 26 00-0198 EA 40 Amperes, 277 Volt, 4PST, Astro Dial Time Switch .....	291.95	27.10
26 27 26 00-0199 EA 40 Amperes, 125 Volt, SPST, Weatherproof Standard Time Switch .....	111.92	27.10
26 27 26 00-0200 EA 40 Amperes, 277 Volt, SPST, Weatherproof Standard Time Switch .....	114.81	27.10
26 27 26 00-0201 EA 40 Amperes, 125 Volt, DPST, Weatherproof Standard Time Switch .....	111.92	27.10



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 26 00-0202 EA 40 Amperes, 277 Volt, DPST, Weatherproof Standard Time Switch .....	114.81	27.10
26 27 26 00-0203 EA 40 Amperes, 125 Volt, SPST, Weatherproof 7-Day Time Switch .....	131.17	27.10
26 27 26 00-0204 EA 40 Amperes, 277 Volt, SPST, Weatherproof 7-Day Time Switch .....	131.17	27.10
26 27 26 00-0205 EA 40 Amperes, 125 Volt, DPDT, Weatherproof 7-Day Time Switch .....	244.71	27.10
26 27 26 00-0206 EA 40 Amperes, 277 Volt, DPDT, Weatherproof 7-Day Time Switch .....	244.71	27.10
26 27 26 00-0207 EA 40 Amperes, 125 Volt, 4PST, Weatherproof Astro Dial Time Switch .....	283.10	27.10
26 27 26 00-0208 EA 40 Amperes, 277 Volt, 4PST, Weatherproof Astro Dial Time Switch .....	291.95	27.10
<b>26 27 26 00-0209 Low Voltage Switching</b> <small>(26 27 26 00-0174)</small>		
26 27 26 00-0210 EA 36 Pin Male Or Female Connector .....	204.71	9.04
<b>26 27 26 00-0211 Other Switches</b> <small>(26 27 26 00-0174)</small>		
26 27 26 00-0212 EA Pull Chain Switch 120/277 Volt AC Installed In Light Fixture .....	30.67	13.55
26 27 26 00-0213 EA SPST Locking Switch For Concealed Devices .....	97.07	36.13
26 27 26 00-0214 EA 3-Way Locking Switch For Concealed Devices .....	98.61	36.13
26 27 26 00-0215 EA Emergency Off Switch, With 1 Non-Closing Contact, Circular, Red, With Guard .....	111.53	33.78
26 27 26 00-0216 EA 15 Amperes Momentary Contact Switch .....	105.23	33.78
26 27 26 00-0217 EA 20 Amperes Momentary Contact Switch .....	111.87	33.78
26 27 26 00-0218 EA 2-1/4" Handy Box Cover Units Fuseholder Switch .....	99.99	40.74
26 27 26 00-0219 EA 2-3/4" Handy Box Cover Units Fuseholder Switch .....	101.84	40.74
26 27 26 00-0220 EA 4" Square Box Cover Units With 2 Fuseholders And 2 Switches .....	125.49	49.79
26 27 26 00-0221 EA 4" Square Box Cover Units With 1 Fuseholder And 1 Switch .....	114.14	45.26
26 27 26 00-0222 EA 4" Octagon Box Cover Units With 1 Fuseholder And 1 Switch .....	114.60	45.26
<b>26 27 26 00-0223 Plates And Covers</b> <small>(26 27 26)</small>		
<b>26 27 26 00-0224 Wall Plates</b> <small>(26 27 26 00-0223)</small>		
<b>26 27 26 00-0225 Nylon Wall Plates</b> <small>(26 27 26 00-0224)</small>		
26 27 26 00-0226 EA 1 Gang Nylon Switch Wall Plates .....	1.64	0.45
26 27 26 00-0227 EA 2 Gang Nylon Switch Wall Plates .....	2.85	0.68
26 27 26 00-0228 EA 3 Gang Nylon Switch Wall Plates .....	4.10	0.90
26 27 26 00-0229 EA 4 Gang Nylon Switch Wall Plate .....	6.05	1.14
26 27 26 00-0230 EA 1 Gang Duplex Nylon Wall Plate .....	1.66	0.45
26 27 26 00-0231 EA 2 Gang Duplex Nylon Wall Plate .....	2.94	0.68
<b>26 27 26 00-0232 Plastic Wall Plates</b> <small>(26 27 26 00-0224)</small>		
26 27 26 00-0233 EA 1 Gang Plastic Switch Wall Plates .....	1.49	0.45
26 27 26 00-0234 EA 2 Gang Plastic Switch Wall Plates .....	2.56	0.68
26 27 26 00-0235 EA 3 Gang Plastic Switch Wall Plates .....	3.63	0.90
26 27 26 00-0236 EA 4 Gang Plastic Switch Wall Plates .....	6.05	1.14
26 27 26 00-0237 EA 1 Gang Duplex Plastic Wall Plate .....	1.49	0.45
26 27 26 00-0238 EA 2 Gang Duplex Plastic Wall Plate .....	2.57	0.68
<b>26 27 26 00-0239 Brass Wall Plates</b> <small>(26 27 26 00-0224)</small>		
26 27 26 00-0240 EA 1 Gang, 0.04" Brass Switch Wall Plates .....	18.12	2.04
26 27 26 00-0241 EA 2 Gang, 0.04" Brass Switch Wall Plates .....	35.18	2.35
26 27 26 00-0242 EA 3 Gang, 0.04" Brass Switch Wall Plates .....	52.17	2.62
26 27 26 00-0243 EA 4 Gang, 0.04" Brass Switch Wall Plates .....	82.21	2.85
26 27 26 00-0244 EA 5 Gang, 0.04" Brass Switch Wall Plates .....	100.50	3.04
26 27 26 00-0245 EA 6 Gang, 0.04" Brass Switch Wall Plates .....	116.61	3.17
26 27 26 00-0246 EA 1 Gang, 0.04" Brass Duplex Receptacle Wall Plate .....	18.12	2.04
26 27 26 00-0247 EA 2 Gang, 0.04" Brass Duplex Receptacle Wall Plate .....	41.58	2.35
26 27 26 00-0248 EA 3 Gang 0.04" Brass Duplex Receptacle Wall Plate .....	60.60	2.62
<b>26 27 26 00-0249 Stainless Steel Wall Plates</b> <small>(26 27 26 00-0224)</small>		
26 27 26 00-0250 EA 1 Gang, 302 Stainless Steel With Satin Finish Switch Wall Plates .....	8.88	2.04
26 27 26 00-0251 EA 2 Gang, 302 Stainless Steel With Satin Finish Switch Wall Plates .....	15.01	2.35
26 27 26 00-0252 EA 3 Gang, 302 Stainless Steel With Satin Finish Switch Wall Plates .....	21.54	2.62
26 27 26 00-0253 EA 4 Gang, 302 Stainless Steel With Satin Finish Switch Wall Plates .....	32.45	2.85
26 27 26 00-0254 EA 5 Gang, 302 Stainless Steel With Satin Finish Switch Wall Plates .....	38.49	3.04
26 27 26 00-0255 EA 6 Gang, 302 Stainless Steel With Satin Finish Switch Wall Plates .....	46.97	3.17
26 27 26 00-0256 EA 1 Gang, 302 Stainless Steel With Satin Finish Duplex Receptacle Wall Plate .....	9.90	2.04
26 27 26 00-0257 EA 2 Gang, 302 Stainless Steel With Satin Finish Duplex Receptacle Wall Plate .....	17.40	2.35
26 27 26 00-0258 EA 3 Gang, 302 Stainless Steel With Satin Finish Duplex Receptacle Wall Plate .....	29.46	2.62
26 27 26 00-0259 EA 4 Gang, 302 Stainless Steel With Satin Finish Duplex Receptacle Wall Plate .....	35.88	2.85
<b>26 27 26 00-0260 Chrome Wall Plates</b> <small>(26 27 26 00-0224)</small>		
26 27 26 00-0261 EA 1 Gang, 0.040" Chrome Switch Wall Plate .....	37.99	2.04
26 27 26 00-0262 EA 2 Gang 0.040" Chrome Switch Wall Plate .....	72.42	2.35
26 27 26 00-0263 EA 3 Gang 0.040" Chrome Switch Wall Plate .....	106.86	2.62
26 27 26 00-0264 EA 1 Gang 0.040" Chrome Duplex Receptacle Wall Plate .....	37.96	2.04

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 27 Low-Voltage Distribution Equipment**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

26 27 26 00-0265	<b>Weatherproof Covers</b> (26 27 26 00-0223)			
26 27 26 00-0266	<b>Stamped Metallic Weatherproof Covers</b> (26 27 26 00-0265)			
	Note: Includes electrostatically applied powder coating and neoprene gasket.			
26 27 26 00-0267	EA	Blank Cover, Single Gang, Stamped Metallic Weatherproof Cover (Killark® 1FBC) .....	11.85	0.45
26 27 26 00-0268	EA	Duplex Receptacle, Single Gang, Stamped Metallic Weatherproof Cover (Killark® 1FAC) .....	12.87	0.45
26 27 26 00-0269	EA	Single Receptacle, Single Gang, Stamped Metallic Weatherproof Cover (Killark® 1FRC) .....	12.87	0.45
26 27 26 00-0270	EA	Toggle Switch, Single Gang, Stamped Metallic Weatherproof Cover (Killark® 1FTC) .....	12.87	0.45
26 27 26 00-0271	EA	Blank Cover, Two Gang, Stamped Metallic Weatherproof Cover (Killark® 2FBC) .....	15.70	0.68
26 27 26 00-0272	EA	Duplex Receptacle, Two Gang, Stamped Metallic Weatherproof Cover (Killark® 2FAC) .....	17.89	0.68
26 27 26 00-0273	EA	Single Receptacle, Two Gang, Stamped Metallic Weatherproof Cover (Killark® 2FRC) .....	18.11	0.68
26 27 26 00-0274	EA	Toggle Switch, Two Gang, Stamped Metallic Weatherproof Cover (Killark® 2FTC) .....	18.11	0.68
26 27 26 00-0275	EA	Toggle Switch And Duplex Receptacle, Two Gang, Stamped Metallic Weatherproof Cover (Killark® 2FTAC) .....	24.78	0.68
26 27 26 00-0276	EA	Blank Cover, Three Gang, Stamped Metallic Weatherproof Cover (Killark® 3FB) .....	23.30	0.90
26 27 26 00-0277	EA	Toggle Switch, Three Gang, Stamped Metallic Weatherproof Cover (Killark® 3FT) .....	25.53	0.90
26 27 26 00-0278	<b>Cast Metallic Weatherproof Covers</b> (26 27 26 00-0265)			
	Note: Includes electrostatically applied powder coating and neoprene gasket.			
26 27 26 00-0279	EA	Blank Cover, Single Gang, Cast Metallic Weatherproof Cover (Killark® FSBC) .....	14.58	0.45
26 27 26 00-0280	EA	Duplex Receptacle, Single Gang, Cast Metallic Weatherproof Cover With Self Closing Lid (Killark® FCLA) .....	47.22	0.45
26 27 26 00-0281	EA	Single Receptacle, Single Gang, Cast Metallic Weatherproof Cover With Self Closing Lid (Killark® FCLR) .....	52.99	0.45
26 27 26 00-0282	EA	Guarded Toggle Switch, Single Gang, Cast Metallic Weatherproof Cover (Killark® FSTG) .....	14.47	0.45
26 27 26 00-0283	EA	Toggle Switch, Single Gang, Cast Metallic Weatherproof Cover With Self Closing Lid (Killark® FCLT) .....	39.98	0.45
26 27 26 00-0284	EA	Lever Operated Toggle Switch, Single Gang, Cast Metallic Weatherproof Cover (Killark® FSPT) .....	66.72	0.45
26 27 26 00-0285	EA	Plunger Operated Toggle Switch, Single Gang, Cast Metallic Weatherproof Cover (Killark® FST) .....	85.02	0.45
26 27 26 00-0286	EA	Blank Cover, Two Gang, Cast Metallic Weatherproof Cover (Killark® 2FSBC) .....	18.11	0.68
26 27 26 00-0287	EA	Plunger Operated Toggle Switch, Two Gang, Cast Metallic Weatherproof Cover (Killark® 2FST) .....	134.34	0.68
26 27 26 00-0288	EA	Blank Cover, Three Gang, Cast Metallic Weatherproof Cover (Killark® 3FSBC) .....	30.46	0.90
26 27 26 00-0289	EA	Plunger Operated Toggle Switch, Three Gang, Cast Metallic Weatherproof Cover (Killark® 3FST) .....	128.17	0.90
26 27 26 00-0290	<b>Die Cast Aluminum Weatherproof Covers</b> (26 27 26 00-0265)			
	Note: Includes electrostatically applied powder coating and neoprene gasket.			
26 27 26 00-0291	EA	Duplex Receptacle, Single Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5027) .....	4.55	0.45
26 27 26 00-0292	EA	Single Receptacle, Single Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5026) .....	5.89	0.45
26 27 26 00-0293	EA	Duplex Receptacles, Two Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5032) .....	7.89	0.68
26 27 26 00-0294	EA	Toggle Switch, Two Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5041) .....	8.58	0.68
26 27 26 00-0295	EA	Toggle Switch And Duplex Receptacle, Two Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5042) .....	8.58	0.68
26 27 26 00-0296	EA	Toggle Switch And Single Receptacle, Two Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5043) .....	9.58	0.68
26 27 26 00-0297	<b>Heavy Duty Die Cast Aluminum Weatherproof Covers</b> (26 27 26 00-0265)			
	Note: Includes baked on lacquer finish and neoprene gasket.			
26 27 26 00-0298	EA	Duplex Receptacle, Single Gang, Heavy Duty Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Pass & Seymour Legrand® 4510) .....	48.08	0.45
26 27 26 00-0299	<b>Polycarbonate Weatherproof Covers</b> (26 27 26 00-0265)			
	Note: Includes neoprene gasket.			
26 27 26 00-0300	EA	Toggle Switch, Single Gang, Polycarbonate Weatherproof Cover With Tinted Lid (Bell® 5730) .....	9.55	0.45
26 27 26 00-0301	EA	Duplex Receptacle, Single Gang, Polycarbonate Weatherproof Cover With Tinted Lid (Bell® 5730) .....	9.55	0.45
26 27 26 00-0302	EA	Single Receptacle, Single Gang, Polycarbonate Weatherproof Cover With Tinted Lid (Bell® 5730) .....	9.55	0.45
26 27 26 00-0303	EA	Duplex Receptacle, Two Gang, Polycarbonate Weatherproof Cover With Tinted Lid (Bell® 5775) .....	11.77	0.68
26 27 26 00-0304	EA	Toggle Switch And Single Receptacle, Two Gang, Polycarbonate Weatherproof Cover With Tinted Lid (Bell® 5775) .....	11.77	0.68
26 27 26 00-0305	<b>High Impact Thermoplastic Weatherproof Covers</b> (26 27 26 00-0265)			
	Note: Includes neoprene gasket.			
26 27 26 00-0306	EA	Duplex Receptacle, Single Gang, High Impact Thermoplastic Weatherproof Cover With Self Closing Lid (Hubbell® HBL522) .....	91.15	0.45
26 27 26 00-0307	<b>Non-Metallic (PVC) Weatherproof Covers</b> (26 27 26 00-0265)			
	Note: Includes neoprene gasket.			
26 27 26 00-0308	EA	Blank Cover, Single Gang, Non-Metallic (PVC) Weatherproof Cover .....	12.93	0.45
26 27 26 00-0309	EA	Blank Cover, Two Gang, Non-Metallic (PVC) Weatherproof Cover .....	13.74	0.68
26 27 26 00-0310	EA	Toggle Switch, Single Gang, Non-Metallic (PVC) Weatherproof Cover .....	12.97	0.45
26 27 26 00-0311	EA	Switch, Single Gang, Non-Metallic (PVC) Weatherproof Cover .....	29.01	0.45
26 27 26 00-0312	EA	Duplex Receptacle, Single Gang, Non-Metallic (PVC) Weatherproof Cover .....	33.68	0.45
26 27 26 00-0313	EA	20 Amperes, Receptacle, Single Gang, Non-Metallic (PVC) Weatherproof Cover .....	27.24	0.45
26 27 26 00-0314	EA	30 Amperes, Receptacle, Single Gang, Non-Metallic (PVC) Weatherproof Cover .....	20.21	0.45
26 27 26 00-0315	EA	50 Amperes, Receptacle, Single Gang, Non-Metallic (PVC) Weatherproof Cover .....	23.71	0.45
26 27 26 00-0316	EA	Plunger Switch, Single Gang, Non-Metallic (PVC) Weatherproof Cover .....	21.16	0.45
26 27 26 00-0317	EA	Double Duplex Receptacle, Two Gang, Non-Metallic (PVC) Weatherproof Cover .....	30.45	0.68





<b>Electrical</b>	<b>26</b>	<b>26</b>
Low-Voltage Electrical Distribution	26 20	
Low-Voltage Distribution Equipment	26 27	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>26 27 26 00-0318</b> <b>Removal And Reinstallation Of Wiring Devices</b> <small>(26 27 26)</small>		
<i>Note: Includes storage and cleaning.</i>		
26 27 26 00-0319    EA    Removal And Reinstallation Of Receptacle, Switch, Outlet Or Special System Device.....	59.43	
26 27 26 00-0320    EA    Removal And Reinstallation Of Receptacle Or Switch Outlet Cover Plate .....	7.52	
<b>26 27 26 00-0321</b> <b>In Line Midget Fuseholders</b> <small>(26 27 26)</small>		
<i>See CSI section 26 28 13 00-0078 for fuses.</i>		
26 27 26 00-0322    EA    Single Pole Water Resistant In Line Midget Fuseholder.....	77.20	
26 27 26 00-0323    EA    Double Pole Water Resistant In Line Midget Fuseholder .....	197.41	
<b>26 27 26 00-0324</b> <b>Relay Systems</b> <small>(26 27 26)</small>		
26 27 26 00-0325    EA    10 Amperes, 24 Volt Coil, 2 Position Relay .....	77.63	20.32
26 27 26 00-0326    EA    20 Amperes, 120 Volt Coil, Up To 4 Contacts, Industrial Control Relay .....	354.90	67.74
26 27 26 00-0327    EA    20 Amperes, 120 Volt Coil, 12 Contacts, Industrial Control Relay.....	619.79	90.33
<b>26 27 26 00-0328</b> <b>Limit Switches</b> <small>(26 27 26)</small>		
<b>26 27 26 00-0329</b> <b>Heavy Duty Precision Oiltight</b> <small>(26 27 26 00-0328)</small>		
<b>26 27 26 00-0330</b> <b>Lever Arm, Plunger, Wobble Stick Type</b> <small>(26 27 26 00-0329)</small>		
26 27 26 00-0331    EA    Limit Switch, Heavy Duty, Lever Arm Weatherproof, 10 Amperes Rated .....	358.91	56.91
<b>26 27 33</b> <b>Power Distribution Units</b> <small>(26 27)</small>		
<i>Note: Includes wiring connections and testing.</i>		
<b>26 27 33 00-0001</b> <b>Liebert Precision Power Center</b> <small>(26 27 33)</small>		
<i>Note: With K20 Trans Spike Suppression Modules Lighting/Surge Arrestors. Includes start-up.</i>		
26 27 33 00-0002    EA    PDU 15 KVA, 208/480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC015C) .....	20,969.00	277.74
26 27 33 00-0003    EA    PDU 30 KVA, 208/480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC030C).....	25,347.59	301.05
26 27 33 00-0004    EA    PDU 50 KVA, 208/480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC050C).....	28,894.98	334.20
26 27 33 00-0005    EA    PDU 75 KVA, 208/480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC075C).....	33,265.39	361.29
26 27 33 00-0006    EA    PDU 100 KVA, 208/480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC100C).....	36,251.46	451.62
26 27 33 00-0007    EA    PDU 125 KVA, 208/480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC125C).....	40,640.23	541.94
26 27 33 00-0008    EA    PDU 150 KVA, 208/480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC150C).....	46,885.51	632.27
26 27 33 00-0009    EA    PDU 200 KVA, 480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC200C).....	49,252.74	722.59
26 27 33 00-0010    EA    PDU 225 KVA, 480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC225C).....	51,991.25	812.91
26 27 33 00-0011    EA    Ex Panelboard 10-30 KVA.....	1,806.14	90.33
26 27 33 00-0012    EA    Ex Panelboard 50-125 KVA.....	2,717.68	112.90
26 27 33 00-0013    EA    Ex Panelboard 150-220 KVA.....	6,228.35	135.48
26 27 33 00-0014    EA    Removal And Reinstallation Of Power Distribution Unit.....	1,445.18	
<i>Note: Includes disconnection / reconnection of branch circuits, storage and cleaning.</i>		
26 27 33 00-0015    EA    Start-Up Liebert Power Distribution Unit Line Item Applies To A Relocation Only.....	1,083.89	
<b>26 27 73</b> <b>Door Chimes</b> <small>(26 27)</small>		
<b>26 27 73 00-0001</b> <b>Door Bell Chime And Door Button With Built-In Viewer</b> <small>(26 27 73)</small>		
<i>Note: Non-electric chime, mounted on door</i>		
26 27 73 00-0002    EA    Mechanical Door Bell Chime And Door Button With Built-In Viewer (Newhouse Hardware MCHBV) .....	83.08	17.41
<b>26 27 73 00-0003</b> <b>Wireless Door Bell System</b> <small>(26 27 73)</small>		
26 27 73 00-0004    EA    Wireless Doorbell Chime And Push Button (Broan LA542WH) .....	125.00	
<i>Note: Includes 2 push buttons</i>		
26 27 73 00-0005    EA    Wireless Doorbell Chime And Push Button (STI-3350G).....	116.76	
<i>Note: Includes 2 push buttons</i>		
26 27 73 00-0006    EA    Wireless Doorbell Chime And Push Button (GE 19300).....	83.07	
<i>Note: Includes 2 push buttons</i>		
<b>26 27 73 00-0007</b> <b>Door Bell Buzzer System, Wired</b> <small>(26 27 73)</small>		
26 27 73 00-0008    EA    Door Bell, Push-Button And Transformer, Complete .....	532.32	188.15
26 27 73 00-0009    EA    Visual Flashing Doorbell Indicator, Wire To Existing System, Complete .....	236.77	45.16
26 27 73 00-0010    EA    Removal And Replacement Of Bell/Buzzer, Complete .....	93.27	22.58
<i>Note: Includes removal of existing.</i>		
<b>26 28</b> <b>Low-Voltage Circuit Protective Devices</b> <small>(26 20)</small>		
<b>26 28 13</b> <b>Fuses</b> <small>(26 28)</small>		
<b>26 28 13 00-0001</b> <b>125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuses</b> <small>(26 28 13)</small>		
26 28 13 00-0002    EA    1 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse.....	23.87	6.50
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	4.34	
26 28 13 00-0003    EA    2 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse.....	23.12	6.50
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	4.34	
26 28 13 00-0004    EA    3 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse.....	22.10	6.50
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		
	4.34	

**26 Electrical**  
**26 20 Low-Voltage Electrical Distribution**  
**26 28 Low-Voltage Circuit Protective Devices**



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 13 00-0005	EA	5 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.96 4.34	6.50
26 28 13 00-0006	EA	6 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.91 4.34	6.50
26 28 13 00-0007	EA	8 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.05 4.34	6.50
26 28 13 00-0008	EA	10 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.60 4.34	6.50
26 28 13 00-0009	EA	15 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.97 4.34	6.50
26 28 13 00-0010	EA	20 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.42 4.34	6.50
26 28 13 00-0011	EA	25 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.47 4.34	6.50
26 28 13 00-0012	EA	30 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.74 4.34	6.50
<b>26 28 13 00-0013</b>		<b>Class RK1, Time Delay Fuses <small>(26 28 13)</small></b>		
<b>26 28 13 00-0014</b>		<b>250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuses <small>(26 28 13 00-0013)</small></b>		
26 28 13 00-0015	EA	1 Ampere, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	41.73 4.34	6.50
26 28 13 00-0016	EA	2 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	38.44 4.34	6.50
26 28 13 00-0017	EA	3 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	40.73 4.34	6.50
26 28 13 00-0018	EA	4 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	40.44 4.34	6.50
26 28 13 00-0019	EA	5 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	38.14 4.34	6.50
26 28 13 00-0020	EA	10 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	36.77 4.34	6.50
26 28 13 00-0021	EA	15 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	33.14 4.34	6.50
26 28 13 00-0022	EA	20 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32.86 4.34	6.50
26 28 13 00-0023	EA	25 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	33.16 4.34	6.50
26 28 13 00-0024	EA	30 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32.79 4.34	6.50
26 28 13 00-0025	EA	35 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	48.26 4.34	6.50
26 28 13 00-0026	EA	40 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	47.16 4.34	6.50
26 28 13 00-0027	EA	45 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	47.98 4.34	6.50
26 28 13 00-0028	EA	50 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	47.31 4.34	6.50
26 28 13 00-0029	EA	60 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	46.31 4.34	6.50
<b>26 28 13 00-0030</b>		<b>250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuses <small>(26 28 13 00-0013)</small></b>		
26 28 13 00-0031	EA	70 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	91.01 5.42	8.12
26 28 13 00-0032	EA	80 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	90.46 5.42	8.12
26 28 13 00-0033	EA	90 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	101.57 5.42	8.12
26 28 13 00-0034	EA	100 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	89.59 5.42	8.12
26 28 13 00-0035	EA	110 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	272.46 5.42	8.12
26 28 13 00-0036	EA	125 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	196.74 5.42	8.12
26 28 13 00-0037	EA	150 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	179.02 5.96	8.95
26 28 13 00-0038	EA	200 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	189.11 5.96	8.95
26 28 13 00-0039	EA	250 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	363.33 5.96	8.95
26 28 13 00-0040	EA	300 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	389.36 7.32	11.02
26 28 13 00-0041	EA	350 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	419.53 7.32	11.02
26 28 13 00-0042	EA	400 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	320.54 7.32	11.02
26 28 13 00-0043	EA	450 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	728.88 7.32	11.02
26 28 13 00-0044	EA	500 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	686.39 8.94	13.46



<b>Electrical</b>	<b>26</b>	
Low-Voltage Electrical Distribution	26 20	26
Low-Voltage Circuit Protective Devices	26 28	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 13 00-0045 EA 600 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	532.08 8.94	13.46
<b>26 28 13 00-0046 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuses</b> <sup>(26 28 13 00-0013)</sup>		
26 28 13 00-0047 EA 1 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	68.79 4.34	6.50
26 28 13 00-0048 EA 2 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	63.56 4.34	6.50
26 28 13 00-0049 EA 3 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	59.17 4.34	6.50
26 28 13 00-0050 EA 4 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	60.62 4.34	6.50
26 28 13 00-0051 EA 5 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	59.37 4.34	6.50
26 28 13 00-0052 EA 10 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	59.82 4.34	6.50
26 28 13 00-0053 EA 15 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	55.03 4.34	6.50
26 28 13 00-0054 EA 20 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	54.56 4.34	6.50
26 28 13 00-0055 EA 25 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	53.91 4.34	6.50
26 28 13 00-0056 EA 30 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	54.86 4.34	6.50
26 28 13 00-0057 EA 35 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	83.24 4.34	6.50
26 28 13 00-0058 EA 40 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	83.46 4.34	6.50
26 28 13 00-0059 EA 45 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	81.67 4.34	6.50
26 28 13 00-0060 EA 50 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	82.51 4.34	6.50
26 28 13 00-0061 EA 60 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	83.26 4.34	6.50
<b>26 28 13 00-0062 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuses</b> <sup>(26 28 13 00-0013)</sup>		
26 28 13 00-0063 EA 70 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	161.04 5.42	8.12
26 28 13 00-0064 EA 80 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	164.27 5.96	8.95
26 28 13 00-0065 EA 90 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	163.32 5.96	8.95
26 28 13 00-0066 EA 100 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	164.07 5.96	8.95
26 28 13 00-0067 EA 110 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	309.45 5.96	8.95
26 28 13 00-0068 EA 125 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	314.28 5.96	8.95
26 28 13 00-0069 EA 150 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	307.76 7.32	11.02
26 28 13 00-0070 EA 200 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	306.96 7.32	11.02
26 28 13 00-0071 EA 250 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	596.69 7.32	11.02
26 28 13 00-0072 EA 300 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	597.63 8.94	13.46
26 28 13 00-0073 EA 350 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	675.88 8.94	13.46
26 28 13 00-0074 EA 400 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	610.93 8.94	13.46
26 28 13 00-0075 EA 450 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,109.56 8.94	13.46
26 28 13 00-0076 EA 500 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	983.51 10.84	16.26
26 28 13 00-0077 EA 600 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	855.43 10.84	16.26
<b>26 28 13 00-0078 600 Volt AC, Class CC Midget Fuses</b> <sup>(26 28 13)</sup> Note: 250/300 Volt DC.		
26 28 13 00-0079 EA 1 Amperes, 600 Volt AC, Class CC Midget Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	49.21 4.34	6.50
26 28 13 00-0080 EA 2 Amperes, 600 Volt AC, Class CC Midget Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	50.08 4.34	6.50
26 28 13 00-0081 EA 3 Amperes, 600 Volt AC, Class CC Midget Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	49.83 4.34	6.50
26 28 13 00-0082 EA 5 Amperes, 600 Volt AC, Class CC Midget Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	49.55 4.34	6.50
26 28 13 00-0083 EA 6 Amperes, 600 Volt AC, Class CC Midget Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	53.66 4.34	6.50

**26 Electrical**  
**26 20 Low-Voltage Electrical Distribution**  
**26 28 Low-Voltage Circuit Protective Devices**



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 13 00-0084	EA	8 Amperes, 600 Volt AC, Class CC Midget Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	47.09 4.34	6.50
26 28 13 00-0085	EA	10 Amperes, 600 Volt AC, Class CC Midget Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	54.81 4.34	6.50
26 28 13 00-0086	EA	15 Amperes, 600 Volt AC, Class CC Midget Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	49.58 4.34	6.50
26 28 13 00-0087	EA	20 Amperes, 600 Volt AC, Class CC Midget Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	48.51 4.34	6.50
26 28 13 00-0088	EA	25 Amperes, 600 Volt AC, Class CC Midget Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	46.04 4.34	6.50
26 28 13 00-0089	EA	30 Amperes, 600 Volt AC, Class CC Midget Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	48.13 4.34	6.50
<b>26 28 13 00-0090</b>		<b>200,000 Ampere Interrupting Capacity, 600 Volt AC, Class J Bolted Fuse<sup>(26 28 13)</sup></b>		
26 28 13 00-0091	EA	1 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	68.66 2.71	4.51
26 28 13 00-0092	EA	3 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	69.23 2.71	4.51
26 28 13 00-0093	EA	6 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	58.05 3.25	5.42
26 28 13 00-0094	EA	10 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	56.18 4.07	6.77
26 28 13 00-0095	EA	15 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	57.55 4.07	6.77
26 28 13 00-0096	EA	20 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	56.33 4.07	6.77
26 28 13 00-0097	EA	25 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	71.30 5.42	9.04
26 28 13 00-0098	EA	30 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	57.62 5.42	9.04
26 28 13 00-0099	EA	35 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	108.67 5.42	9.04
26 28 13 00-0100	EA	40 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	91.08 5.42	9.04
26 28 13 00-0101	EA	45 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	105.98 5.42	9.04
26 28 13 00-0102	EA	50 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	90.28 6.78	11.29
26 28 13 00-0103	EA	60 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	88.39 6.78	11.29
26 28 13 00-0104	EA	70 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	141.88 8.13	13.55
26 28 13 00-0105	EA	80 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	152.32 8.13	13.55
26 28 13 00-0106	EA	90 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	149.65 8.13	13.55
26 28 13 00-0107	EA	100 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	126.48 9.48	15.81
26 28 13 00-0108	EA	110 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	321.19 9.48	15.81
26 28 13 00-0109	EA	125 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	270.16 9.48	15.81
26 28 13 00-0110	EA	150 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	254.09 10.84	18.06
26 28 13 00-0111	EA	175 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	258.15 10.84	18.06
26 28 13 00-0112	EA	200 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	210.69 10.84	18.06
26 28 13 00-0113	EA	225 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	565.64 10.84	18.06
26 28 13 00-0114	EA	250 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	521.34 10.84	18.06
26 28 13 00-0115	EA	300 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	478.71 10.84	18.06
26 28 13 00-0116	EA	350 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	524.08 10.84	18.06
26 28 13 00-0117	EA	400 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	426.27 12.20	20.32
26 28 13 00-0118	EA	450 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	932.45 12.20	20.32
26 28 13 00-0119	EA	500 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	785.13 13.55	22.58
26 28 13 00-0120	EA	600 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	577.17 13.55	22.58
<b>26 28 13 00-0121</b>		<b>600 Volt AC, 200 kAmp I.R., Class L Bolted Fuses<sup>(26 28 13)</sup></b>		
26 28 13 00-0122	EA	100 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,816.64 6.77	11.29
26 28 13 00-0123	EA	150 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,820.25 6.77	11.29



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 13 00-0124 EA 200 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	1,823.61	11.29
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.77	
26 28 13 00-0125 EA 250 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	1,815.20	13.55
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.13	
26 28 13 00-0126 EA 300 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	1,670.58	13.55
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.13	
26 28 13 00-0127 EA 350 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	1,786.08	15.81
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.48	
26 28 13 00-0128 EA 400 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	1,642.50	15.81
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.48	
26 28 13 00-0129 EA 450 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	1,839.12	15.81
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.48	
26 28 13 00-0130 EA 500 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	1,802.90	15.81
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.48	
26 28 13 00-0131 EA 600 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	1,599.16	18.06
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.84	
26 28 13 00-0132 EA 601 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	1,642.73	18.06
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.84	
26 28 13 00-0133 EA 650 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	2,190.44	18.06
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.84	
26 28 13 00-0134 EA 700 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	1,591.26	18.06
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.84	
26 28 13 00-0135 EA 750 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	2,451.48	20.32
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.20	
26 28 13 00-0136 EA 800 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	1,402.77	20.32
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.20	
26 28 13 00-0137 EA 900 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	2,058.48	20.32
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.20	
26 28 13 00-0138 EA 1,000 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	1,378.81	20.32
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.20	
26 28 13 00-0139 EA 1,200 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	1,420.49	20.32
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.20	
26 28 13 00-0140 EA 1,350 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	3,184.39	20.32
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.19	
26 28 13 00-0141 EA 1,400 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	3,139.34	20.32
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.19	
26 28 13 00-0142 EA 1,500 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	2,830.29	20.32
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.19	
26 28 13 00-0143 EA 1,600 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	1,757.75	22.58
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.55	
26 28 13 00-0144 EA 1,800 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	3,752.14	22.58
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.55	
26 28 13 00-0145 EA 2,000 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	2,393.45	22.58
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.55	
26 28 13 00-0146 EA 2,500 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	3,244.02	22.58
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.55	
26 28 13 00-0147 EA 2,501 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	5,543.16	22.58
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.55	
26 28 13 00-0148 EA 3,000 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	3,616.74	24.84
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.90	
26 28 13 00-0149 EA 3,500 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	7,507.39	24.84
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.90	
26 28 13 00-0150 EA 3,800 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	8,715.37	24.84
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.90	
26 28 13 00-0151 EA 4,000 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	5,028.52	24.84
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.90	
26 28 13 00-0152 EA 5,000 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	7,950.93	24.84
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.90	
26 28 13 00-0153 EA 6,000 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse.....	13,179.11	24.84
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.90	

**26 28 16 Enclosed Switches and Circuit Breakers (26 28)**

**26 28 16 13 Enclosed Circuit Breakers (26 28 16)**

**26 28 16 13-0001 Branch Circuit Breakers (26 28 16 13)**

Note: For installation in existing and new panelboards. Use task modifier for installation in new panelboards.

**26 28 16 13-0002 Branch Circuit Breakers 10,000 Amperes Interrupting Capacity, Plug-On (26 28 16 13-0001)**

Note: Includes connection of electrical wire.

26 28 16 13-0003 EA 1 Pole, 120/240 Volt, 15 To 30 Amperes, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity.....	45.25	16.26
For Bolt-On, Add	11.98	
For Installation In New Panelboard, Deduct	-9.03	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.84	
26 28 16 13-0004 EA 1 Pole, 120/240 Volt, 35 To 60 Amperes, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity.....	45.25	16.26
For Bolt-On, Add	11.98	
For Installation In New Panelboard, Deduct	-9.03	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.84	

**26 Electrical**  
**26 20 Low-Voltage Electrical Distribution**  
**26 28 Low-Voltage Circuit Protective Devices**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 13-0005	EA		1 Pole, 120/240 Volt, 70 To 100 Amperes, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity .....	66.22	20.32
			<i>For Bolt-On, Add</i>	16.18	
			<i>For Installation In New Panelboard, Deduct</i>	-11.29	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.55	
26 28 16 13-0006	EA		1 Pole GFI, 15 To 30 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity .....	102.41	20.32
			<i>For Bolt-On, Add</i>	20.70	
			<i>For Installation In New Panelboard, Deduct</i>	-11.29	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.55	
26 28 16 13-0007	EA		1 Pole GFI, 35 To 60 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Protection Circuit Breaker, 10,000 Amperes Interrupting Capacity .....	143.80	20.32
			<i>For Bolt-On, Add</i>	25.88	
			<i>For Installation In New Panelboard, Deduct</i>	-11.29	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.55	
26 28 16 13-0008	EA		1 Pole GFI, 15 To 30 Amperes, 120/240 Volt, UL Listed 30mA Equipment Protection Circuit Breaker, 10,000 Amperes Interrupting Capacity .....	167.41	20.32
			<i>For Bolt-On, Add</i>	28.83	
			<i>For Installation In New Panelboard, Deduct</i>	-11.29	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.55	
26 28 16 13-0009	EA		1 Pole GFI, 15 To 20 Amperes, 120/240 Volt, "Arc Fault" Circuit Breaker, 10,000 Amperes Interrupting Capacity .....	79.61	20.32
			<i>For Bolt-On, Add</i>	17.85	
			<i>For Installation In New Panelboard, Deduct</i>	-11.29	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.55	
26 28 16 13-0010	EA		2 Pole, 15 To 30 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity .....	75.25	24.39
			<i>For Bolt-On, Add</i>	18.89	
			<i>For Installation In New Panelboard, Deduct</i>	-13.55	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.26	
26 28 16 13-0011	EA		2 Pole, 35 To 60 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity .....	75.25	24.39
			<i>For Bolt-On, Add</i>	18.89	
			<i>For Installation In New Panelboard, Deduct</i>	-13.55	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.26	
26 28 16 13-0012	EA		2 Pole, 70 To 100 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity .....	114.36	32.52
			<i>For Bolt-On, Add</i>	26.94	
			<i>For Installation In New Panelboard, Deduct</i>	-18.06	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.68	
26 28 16 13-0013	EA		2 Pole, 110 To 125 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity .....	192.11	40.65
			<i>For Bolt-On, Add</i>	39.82	
			<i>For Installation In New Panelboard, Deduct</i>	-22.58	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.10	
26 28 16 13-0014	EA		2 Pole, 150 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity .....	227.09	45.16
			<i>For Bolt-On, Add</i>	45.77	
			<i>For Installation In New Panelboard, Deduct</i>	-24.84	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29.81	
26 28 16 13-0015	EA		2 Pole GFI, 15 To 50 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity .....	194.33	28.91
			<i>For Bolt-On, Add</i>	35.67	
			<i>For Installation In New Panelboard, Deduct</i>	-16.26	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.51	
26 28 16 13-0016	EA		2 Pole GFI, 15 To 50 Amperes, 120/240 Volt, UL Listed 30mA Equipment Protection Circuit Breaker, 10,000 Amperes Interrupting Capacity .....	262.03	28.91
			<i>For Bolt-On, Add</i>	44.13	
			<i>For Installation In New Panelboard, Deduct</i>	-16.26	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.51	
26 28 16 13-0017	EA		3 Pole, 15 To 30 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity .....	145.95	32.52
			<i>For Bolt-On, Add</i>	30.89	
			<i>For Installation In New Panelboard, Deduct</i>	-18.06	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.68	
26 28 16 13-0018	EA		3 Pole, 35 To 60 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity .....	145.95	32.52
			<i>For Bolt-On, Add</i>	30.89	
			<i>For Installation In New Panelboard, Deduct</i>	-18.06	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.68	
26 28 16 13-0019	EA		3 Pole, 70 To 100 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity .....	191.71	40.65
			<i>For Bolt-On, Add</i>	39.77	
			<i>For Installation In New Panelboard, Deduct</i>	-22.58	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.10	
26 28 16 13-0020	EA		3 Pole, 110 To 125 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity .....	292.57	48.77
			<i>For Bolt-On, Add</i>	55.54	
			<i>For Installation In New Panelboard, Deduct</i>	-27.10	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32.52	



<b>Electrical</b>	<b>26</b>	<b>26</b>
Low-Voltage Electrical Distribution	26 20	
Low-Voltage Circuit Protective Devices	26 28	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 13-0021 EA 3 Pole, 150 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity .....	374.35	56.91
For Bolt-On, Add	68.92	
For Installation In New Panelboard, Deduct	-31.62	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	37.94	
<b>26 28 16 13-0022 Branch Circuit Breakers 14,000 Amperes Interrupting Capacity, Plug-On <sup>(26 28)</sup></b>		
<sup>16 13-0001</sup> Note: Includes connection of electrical wire.		
26 28 16 13-0023 EA 1 Pole, 277/480 Volt, 15 To 30 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity .....	66.70	16.26
For Bolt-On, Add	14.66	
For Installation In New Panelboard, Deduct	-9.03	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.84	
26 28 16 13-0024 EA 1 Pole, 277/480 Volt, 35 To 60 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity .....	66.70	16.26
For Bolt-On, Add	14.66	
For Installation In New Panelboard, Deduct	-9.03	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.84	
26 28 16 13-0025 EA 1 Pole, 277/480 Volt, 70 To 100 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity .....	121.04	20.32
For Bolt-On, Add	23.03	
For Installation In New Panelboard, Deduct	-11.29	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.55	
26 28 16 13-0026 EA 1 Pole GFI, 277/480 Volt, 15 To 60 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity .....	190.64	20.32
For Bolt-On, Add	31.73	
For Installation In New Panelboard, Deduct	-11.29	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.55	
26 28 16 13-0027 EA 2 Pole, 277/480 Volt, 15 To 30 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity .....	131.71	24.39
For Bolt-On, Add	25.95	
For Installation In New Panelboard, Deduct	-13.55	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.26	
26 28 16 13-0028 EA 2 Pole, 277/480 Volt, 35 To 60 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity .....	131.71	24.39
For Bolt-On, Add	25.95	
For Installation In New Panelboard, Deduct	-13.55	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.26	
26 28 16 13-0029 EA 2 Pole, 277/480 Volt, 70 To 100 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity .....	262.71	32.52
For Bolt-On, Add	45.48	
For Installation In New Panelboard, Deduct	-18.06	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	21.68	
26 28 16 13-0030 EA 2 Pole, 277/480 Volt, 110 To 125 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity .....	358.71	40.65
For Bolt-On, Add	60.65	
For Installation In New Panelboard, Deduct	-22.58	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	27.10	
26 28 16 13-0031 EA 2 Pole, 277/480 Volt, 150 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity .....	530.32	45.16
For Bolt-On, Add	83.68	
For Installation In New Panelboard, Deduct	-24.84	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	29.81	
26 28 16 13-0032 EA 3 Pole, 277/480 Volt, 15 To 30 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity .....	211.45	32.52
For Bolt-On, Add	39.08	
For Installation In New Panelboard, Deduct	-18.06	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	21.68	
26 28 16 13-0033 EA 3 Pole, 277/480 Volt, 35 To 60 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity .....	211.45	32.52
For Bolt-On, Add	39.08	
For Installation In New Panelboard, Deduct	-18.06	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	21.68	
26 28 16 13-0034 EA 3 Pole, 277/480 Volt, 70 To 100 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity .....	317.97	40.65
For Bolt-On, Add	55.55	
For Installation In New Panelboard, Deduct	-22.58	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	27.10	
26 28 16 13-0035 EA 3 Pole, 277/480 Volt, 110 To 125 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity .....	454.30	48.77
For Bolt-On, Add	75.76	
For Installation In New Panelboard, Deduct	-27.10	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	32.52	
26 28 16 13-0036 EA 3 Pole, 277/480 Volt, 150 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity .....	707.46	56.91
For Bolt-On, Add	110.56	
For Installation In New Panelboard, Deduct	-31.62	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	37.94	
26 28 16 13-0037 EA 3 Pole, 277/480 Volt, 175 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity .....	817.41	60.97
For Bolt-On, Add	125.89	
For Installation In New Panelboard, Deduct	-33.87	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	40.64	

**26 Electrical**  
**26 20 Low-Voltage Electrical Distribution**  
**26 28 Low-Voltage Circuit Protective Devices**



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 13-0038	EA	3 Pole, 277/480 Volt, 200 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	878.27	65.03
		<i>For Bolt-On, Add</i>	135.07	
		<i>For Installation In New Panelboard, Deduct</i>	-36.13	
		<i>Note: Also for use with new interiors in panelboards.</i>		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	43.36	
26 28 16 13-0039	EA	3 Pole, 277/480 Volt, 225 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	1,040.96	69.09
		<i>For Bolt-On, Add</i>	156.99	
		<i>For Installation In New Panelboard, Deduct</i>	-38.39	
		<i>Note: Also for use with new interiors in panelboards.</i>		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	46.07	
<b>26 28 16 13-0040</b>		<b>Branch Circuit Breakers 18,000 Amperes Interrupting Capacity, Plug-On <sup>(26 28)</sup></b>		
		<i>16 13-0001</i>		
		<i>Note: Includes connection of electrical wire.</i>		
26 28 16 13-0041	EA	15 To 30 Amperes, 1 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity	80.80	16.26
		<i>For Bolt-On, Add</i>	16.42	
		<i>For Installation In New Panelboard, Deduct</i>	-9.03	
		<i>Note: Also for use with new interiors in panelboards.</i>		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.84	
26 28 16 13-0042	EA	35 To 60 Amperes, 1 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity	80.80	16.26
		<i>For Bolt-On, Add</i>	16.42	
		<i>For Installation In New Panelboard, Deduct</i>	-9.03	
		<i>Note: Also for use with new interiors in panelboards.</i>		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.84	
26 28 16 13-0043	EA	70 To 100 Amperes, 1 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity	134.96	20.32
		<i>For Bolt-On, Add</i>	24.77	
		<i>For Installation In New Panelboard, Deduct</i>	-11.29	
		<i>Note: Also for use with new interiors in panelboards.</i>		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.55	
26 28 16 13-0044	EA	15 To 30 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity	168.44	24.39
		<i>For Bolt-On, Add</i>	30.54	
		<i>For Installation In New Panelboard, Deduct</i>	-13.55	
		<i>Note: Also for use with new interiors in panelboards.</i>		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.26	
26 28 16 13-0045	EA	35 To 60 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity	168.44	24.39
		<i>For Bolt-On, Add</i>	30.54	
		<i>For Installation In New Panelboard, Deduct</i>	-13.55	
		<i>Note: Also for use with new interiors in panelboards.</i>		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.26	
26 28 16 13-0046	EA	70 To 100 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity	297.93	32.52
		<i>For Bolt-On, Add</i>	49.89	
		<i>For Installation In New Panelboard, Deduct</i>	-18.06	
		<i>Note: Also for use with new interiors in panelboards.</i>		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.68	
26 28 16 13-0047	EA	110 To 125 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity	773.97	40.65
		<i>For Bolt-On, Add</i>	112.55	
		<i>For Installation In New Panelboard, Deduct</i>	-22.58	
		<i>Note: Also for use with new interiors in panelboards.</i>		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.10	
26 28 16 13-0048	EA	15 To 30 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity	272.07	32.52
		<i>For Bolt-On, Add</i>	46.65	
		<i>For Installation In New Panelboard, Deduct</i>	-18.06	
		<i>Note: Also for use with new interiors in panelboards.</i>		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.68	
26 28 16 13-0049	EA	35 To 60 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity	272.07	32.52
		<i>For Bolt-On, Add</i>	46.65	
		<i>For Installation In New Panelboard, Deduct</i>	-18.06	
		<i>Note: Also for use with new interiors in panelboards.</i>		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.68	
26 28 16 13-0050	EA	70 To 100 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity	362.09	40.65
		<i>For Bolt-On, Add</i>	61.07	
		<i>For Installation In New Panelboard, Deduct</i>	-22.58	
		<i>Note: Also for use with new interiors in panelboards.</i>		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.10	
26 28 16 13-0051	EA	110 To 125 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity	958.47	48.77
		<i>For Bolt-On, Add</i>	138.78	
		<i>For Installation In New Panelboard, Deduct</i>	-27.10	
		<i>Note: Also for use with new interiors in panelboards.</i>		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32.52	
<b>26 28 16 13-0052</b>		<b>Branch Circuit Breakers 22,000 Amperes Interrupting Capacity, Plug-On <sup>(26 28)</sup></b>		
		<i>16 13-0001</i>		
		<i>Note: Includes connection of electrical wire.</i>		
26 28 16 13-0053	EA	15 To 30 Amperes, 1 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	92.76	16.26
		<i>For Bolt-On, Add</i>	17.92	
		<i>For Installation In New Panelboard, Deduct</i>	-9.03	
		<i>Note: Also for use with new interiors in panelboards.</i>		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.84	
26 28 16 13-0054	EA	35 To 60 Amperes, 1 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	92.76	16.26
		<i>For Bolt-On, Add</i>	17.92	
		<i>For Installation In New Panelboard, Deduct</i>	-9.03	
		<i>Note: Also for use with new interiors in panelboards.</i>		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.84	





<b>Electrical</b>	<b>26</b>	
Low-Voltage Electrical Distribution	26 20	26
Low-Voltage Circuit Protective Devices	26 28	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 13-0055 EA 70 To 100 Amperes, 1 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity.....	109.07	20.32
For Bolt-On, Add	21.54	
For Installation In New Panelboard, Deduct	-11.29	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.55	
26 28 16 13-0056 EA 15 To 30 Amperes, 1 Pole GFI, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity.....	189.03	20.32
For Bolt-On, Add	31.53	
For Installation In New Panelboard, Deduct	-11.29	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.55	
26 28 16 13-0057 EA 15 To 30 Amperes, 2 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity.....	199.67	24.39
For Bolt-On, Add	34.44	
For Installation In New Panelboard, Deduct	-13.55	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.26	
26 28 16 13-0058 EA 35 To 60 Amperes, 2 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity.....	199.67	24.39
For Bolt-On, Add	34.44	
For Installation In New Panelboard, Deduct	-13.55	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.26	
26 28 16 13-0059 EA 70 To 100 Amperes, 2 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity.....	241.37	32.52
For Bolt-On, Add	42.82	
For Installation In New Panelboard, Deduct	-18.06	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	21.68	
26 28 16 13-0060 EA 110 To 125 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity.....	349.59	40.65
For Bolt-On, Add	59.51	
For Installation In New Panelboard, Deduct	-22.58	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	27.10	
26 28 16 13-0061 EA 150 To 225 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity.....	454.21	45.16
For Bolt-On, Add	74.16	
For Installation In New Panelboard, Deduct	-24.84	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	29.81	
26 28 16 13-0062 EA 250 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity.....	567.88	52.84
For Bolt-On, Add	91.53	
For Installation In New Panelboard, Deduct	-29.36	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	35.23	
26 28 16 13-0063 EA 300 To 400 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity.....	611.66	60.97
For Bolt-On, Add	100.17	
For Installation In New Panelboard, Deduct	-33.87	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	40.64	
26 28 16 13-0064 EA 15 To 30 Amperes, 3 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity.....	241.89	32.52
For Bolt-On, Add	42.88	
For Installation In New Panelboard, Deduct	-18.06	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	21.68	
26 28 16 13-0065 EA 35 To 60 Amperes, 3 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity.....	241.89	32.52
For Bolt-On, Add	42.88	
For Installation In New Panelboard, Deduct	-18.06	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	21.68	
26 28 16 13-0066 EA 70 To 100 Amperes, 3 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity.....	283.09	40.65
For Bolt-On, Add	51.19	
For Installation In New Panelboard, Deduct	-22.58	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	27.10	
26 28 16 13-0067 EA 110 To 125 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity.....	433.63	48.77
For Bolt-On, Add	73.17	
For Installation In New Panelboard, Deduct	-27.10	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	32.52	
26 28 16 13-0068 EA 150 To 225 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity.....	569.42	63.23
For Bolt-On, Add	95.68	
For Installation In New Panelboard, Deduct	-35.00	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	42.00	
26 28 16 13-0069 EA 250 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity.....	704.74	73.17
For Bolt-On, Add	116.54	
For Installation In New Panelboard, Deduct	-40.65	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	48.77	
26 28 16 13-0070 EA 300 To 400 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity.....	749.63	77.68
For Bolt-On, Add	123.74	
For Installation In New Panelboard, Deduct	-42.91	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	51.49	
26 28 16 13-0071 Branch Circuit Breakers 25,000 Amperes Interrupting Capacity, Plug-On <sup>(26 28</sup>		
<sup>16 13-0001)</sup>		
Note: Includes connection of electrical wire.		

<b>26</b>	<b>Electrical</b>
<b>26 20</b>	<b>Low-Voltage Electrical Distribution</b>
<b>26 28</b>	<b>Low-Voltage Circuit Protective Devices</b>



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 13-0072	EA	15 To 30 Amperes, 2 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	207.46	24.39
		<i>For Bolt-On, Add</i>	35.42	
		<i>For Installation In New Panelboard, Deduct</i>	-13.55	
		<i>Note: Also for use with new interiors in panelboards.</i>		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.26	
26 28 16 13-0073	EA	35 To 60 Amperes, 2 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	207.46	24.39
		<i>For Bolt-On, Add</i>	35.42	
		<i>For Installation In New Panelboard, Deduct</i>	-13.55	
		<i>Note: Also for use with new interiors in panelboards.</i>		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.26	
26 28 16 13-0074	EA	70 To 100 Amperes, 2 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	316.77	32.52
		<i>For Bolt-On, Add</i>	52.24	
		<i>For Installation In New Panelboard, Deduct</i>	-18.06	
		<i>Note: Also for use with new interiors in panelboards.</i>		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.68	
26 28 16 13-0075	EA	110 To 125 Amperes, 2 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	518.11	40.65
		<i>For Bolt-On, Add</i>	80.57	
		<i>For Installation In New Panelboard, Deduct</i>	-22.58	
		<i>Note: Also for use with new interiors in panelboards.</i>		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.10	
26 28 16 13-0076	EA	150 To 225 Amperes, 2 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	810.69	50.58
		<i>For Bolt-On, Add</i>	121.09	
		<i>For Installation In New Panelboard, Deduct</i>	-28.23	
		<i>Note: Also for use with new interiors in panelboards.</i>		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	33.87	
26 28 16 13-0077	EA	250 Amperes, 2 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	920.32	52.84
		<i>For Bolt-On, Add</i>	135.59	
		<i>For Installation In New Panelboard, Deduct</i>	-29.36	
		<i>Note: Also for use with new interiors in panelboards.</i>		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	35.23	
26 28 16 13-0078	EA	300 To 400 Amperes, 2 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	1,004.67	60.97
		<i>For Bolt-On, Add</i>	149.29	
		<i>For Installation In New Panelboard, Deduct</i>	-33.87	
		<i>Note: Also for use with new interiors in panelboards.</i>		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	40.64	
26 28 16 13-0079	EA	15 To 30 Amperes, 3 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	298.88	32.52
		<i>For Bolt-On, Add</i>	50.00	
		<i>For Installation In New Panelboard, Deduct</i>	-18.06	
		<i>Note: Also for use with new interiors in panelboards.</i>		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.68	
26 28 16 13-0080	EA	35 To 60 Amperes, 3 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	298.88	32.52
		<i>For Bolt-On, Add</i>	50.00	
		<i>For Installation In New Panelboard, Deduct</i>	-18.06	
		<i>Note: Also for use with new interiors in panelboards.</i>		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.68	
26 28 16 13-0081	EA	70 To 100 Amperes, 3 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	376.60	40.65
		<i>For Bolt-On, Add</i>	62.88	
		<i>For Installation In New Panelboard, Deduct</i>	-22.58	
		<i>Note: Also for use with new interiors in panelboards.</i>		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.10	
26 28 16 13-0082	EA	110 To 125 Amperes, 3 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	645.04	48.77
		<i>For Bolt-On, Add</i>	99.60	
		<i>For Installation In New Panelboard, Deduct</i>	-27.10	
		<i>Note: Also for use with new interiors in panelboards.</i>		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32.52	
26 28 16 13-0083	EA	150 To 225 Amperes, 3 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	945.15	63.23
		<i>For Bolt-On, Add</i>	142.65	
		<i>For Installation In New Panelboard, Deduct</i>	-35.00	
		<i>Note: Also for use with new interiors in panelboards.</i>		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	42.00	
26 28 16 13-0084	EA	250 Amperes, 3 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	1,116.78	73.17
		<i>For Bolt-On, Add</i>	168.05	
		<i>For Installation In New Panelboard, Deduct</i>	-40.65	
		<i>Note: Also for use with new interiors in panelboards.</i>		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	48.77	
26 28 16 13-0085	EA	300 To 400 Amperes, 3 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	1,208.83	77.68
		<i>For Bolt-On, Add</i>	181.14	
		<i>For Installation In New Panelboard, Deduct</i>	-42.91	
		<i>Note: Also for use with new interiors in panelboards.</i>		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	51.49	
26 28 16 13-0086		<b>Branch Circuit Breakers 30,000 Amperes Interrupting Capacity, Plug-On</b> <sup>(26 28)</sup>		
		<small>16 13-0001</small>		
		<i>Note: Includes connection of electrical wire.</i>		
26 28 16 13-0087	EA	2 Pole, 240/480 Volt, 15-30 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity	215.22	24.39
		<i>For Bolt-On, Add</i>	36.39	
		<i>For Installation In New Panelboard, Deduct</i>	-13.55	
		<i>Note: Also for use with new interiors in panelboards.</i>		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.26	
26 28 16 13-0088	EA	2 Pole, 240/480 Volt, 35-60 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity	215.22	24.39
		<i>For Bolt-On, Add</i>	36.39	
		<i>For Installation In New Panelboard, Deduct</i>	-13.55	
		<i>Note: Also for use with new interiors in panelboards.</i>		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.26	



<b>Electrical</b>	<b>26</b>	<b>26</b>
Low-Voltage Electrical Distribution	26 20	
Low-Voltage Circuit Protective Devices	26 28	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 13-0089 EA 2 Pole, 240/480 Volt, 70-100 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity.....	388.34	32.52
For Bolt-On, Add	61.19	
For Installation In New Panelboard, Deduct	-18.06	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	21.68	
26 28 16 13-0090 EA 2 Pole, 240/480 Volt, 110-125 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity .....	716.55	40.65
For Bolt-On, Add	105.38	
For Installation In New Panelboard, Deduct	-22.58	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	27.10	
26 28 16 13-0091 EA 2 Pole, 240/480 Volt, 150-225 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity .....	1,138.71	50.58
For Bolt-On, Add	162.10	
For Installation In New Panelboard, Deduct	-28.23	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	33.87	
26 28 16 13-0092 EA 2 Pole, 240/480 Volt, 250 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity .....	1,297.58	52.84
For Bolt-On, Add	182.75	
For Installation In New Panelboard, Deduct	-29.36	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	35.23	
26 28 16 13-0093 EA 2 Pole, 240/480 Volt, 300-400 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity .....	1,411.78	60.97
For Bolt-On, Add	200.18	
For Installation In New Panelboard, Deduct	-33.87	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	40.64	
26 28 16 13-0094 EA 3 Pole, 240/480 Volt, 15-30 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity .....	352.56	32.52
For Bolt-On, Add	56.71	
For Installation In New Panelboard, Deduct	-18.06	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	21.68	
26 28 16 13-0095 EA 3 Pole, 240/480 Volt, 35-60 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity .....	352.56	32.52
For Bolt-On, Add	56.71	
For Installation In New Panelboard, Deduct	-18.06	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	21.68	
26 28 16 13-0096 EA 3 Pole, 240/480 Volt, 70-100 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity .....	469.64	40.65
For Bolt-On, Add	74.51	
For Installation In New Panelboard, Deduct	-22.58	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	27.10	
26 28 16 13-0097 EA 3 Pole, 240/480 Volt, 110-125 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity .....	871.78	48.77
For Bolt-On, Add	127.94	
For Installation In New Panelboard, Deduct	-27.10	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	32.52	
26 28 16 13-0098 EA 3 Pole, 240/480 Volt, 150-225 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity .....	1,101.02	63.23
For Bolt-On, Add	162.13	
For Installation In New Panelboard, Deduct	-35.00	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	42.00	
26 28 16 13-0099 EA 3 Pole, 240/480 Volt, 250 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity .....	1,764.52	73.17
For Bolt-On, Add	249.02	
For Installation In New Panelboard, Deduct	-40.65	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	48.77	
26 28 16 13-0100 EA 3 Pole, 240/480 Volt, 300-400 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity .....	1,879.49	77.68
For Bolt-On, Add	264.97	
For Installation In New Panelboard, Deduct	-42.91	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	51.49	
<b>26 28 16 13-0101 Branch Circuit Breakers 35,000 Amperes Interrupting Capacity, Plug-On</b> <small>(26 28 16 13-0001)</small>		
Note: Includes connection of electrical wire.		
26 28 16 13-0102 EA 1 Pole, 480 Volt, 15-30 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity .....	112.30	16.26
For Bolt-On, Add	20.36	
For Installation In New Panelboard, Deduct	-9.03	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.84	
26 28 16 13-0103 EA 1 Pole, 480 Volt, 35-60 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity .....	112.30	16.26
For Bolt-On, Add	20.36	
For Installation In New Panelboard, Deduct	-9.03	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.84	
26 28 16 13-0104 EA 1 Pole, 480 Volt, 70-100 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity .....	196.56	20.32
For Bolt-On, Add	32.47	
For Installation In New Panelboard, Deduct	-11.29	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	13.55	
26 28 16 13-0105 EA 2 Pole, 480 Volt, 15-30 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity .....	246.96	24.39
For Bolt-On, Add	40.35	
For Installation In New Panelboard, Deduct	-13.55	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.26	

<b>26</b>	<b>Electrical</b>
<b>26 20</b>	<b>Low-Voltage Electrical Distribution</b>
<b>26 28</b>	<b>Low-Voltage Circuit Protective Devices</b>



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 13-0106	EA	2 Pole, 480 Volt, 35-60 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity .....	246.96	24.39
		<i>For Bolt-On, Add</i>	40.35	
		<i>For Installation In New Panelboard, Deduct</i>	-13.55	
		<i>Note: Also for use with new interiors in panelboards.</i>		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.26	
26 28 16 13-0107	EA	2 Pole, 480 Volt, 70-100 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity .....	454.03	32.52
		<i>For Bolt-On, Add</i>	69.40	
		<i>For Installation In New Panelboard, Deduct</i>	-18.06	
		<i>Note: Also for use with new interiors in panelboards.</i>		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.68	
26 28 16 13-0108	EA	2 Pole, 480 Volt, 110-125 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity .....	847.76	40.65
		<i>For Bolt-On, Add</i>	121.78	
		<i>For Installation In New Panelboard, Deduct</i>	-22.58	
		<i>Note: Also for use with new interiors in panelboards.</i>		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.10	
26 28 16 13-0109	EA	2 Pole, 480 Volt, 150-225 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity .....	1,656.96	50.58
		<i>For Bolt-On, Add</i>	226.88	
		<i>For Installation In New Panelboard, Deduct</i>	-28.23	
		<i>Note: Also for use with new interiors in panelboards.</i>		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	33.87	
26 28 16 13-0110	EA	3 Pole, 480 Volt, 15-30 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity .....	409.84	32.52
		<i>For Bolt-On, Add</i>	63.87	
		<i>For Installation In New Panelboard, Deduct</i>	-18.06	
		<i>Note: Also for use with new interiors in panelboards.</i>		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.68	
26 28 16 13-0111	EA	3 Pole, 480 Volt, 35-60 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity .....	409.84	32.52
		<i>For Bolt-On, Add</i>	63.87	
		<i>For Installation In New Panelboard, Deduct</i>	-18.06	
		<i>Note: Also for use with new interiors in panelboards.</i>		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.68	
26 28 16 13-0112	EA	3 Pole, 480 Volt, 70-100 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity .....	549.22	40.65
		<i>For Bolt-On, Add</i>	84.46	
		<i>For Installation In New Panelboard, Deduct</i>	-22.58	
		<i>Note: Also for use with new interiors in panelboards.</i>		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.10	
26 28 16 13-0113	EA	3 Pole, 480 Volt, 110-125 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity .....	1,044.74	48.77
		<i>For Bolt-On, Add</i>	149.56	
		<i>For Installation In New Panelboard, Deduct</i>	-27.10	
		<i>Note: Also for use with new interiors in panelboards.</i>		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32.52	
26 28 16 13-0114	EA	3 Pole, 480 Volt, 150-225 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity .....	2,060.21	63.23
		<i>For Bolt-On, Add</i>	282.03	
		<i>For Installation In New Panelboard, Deduct</i>	-35.00	
		<i>Note: Also for use with new interiors in panelboards.</i>		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	42.00	
26 28 16 13-0115		<b>Branch Circuit Breakers 42,000 Amperes Interrupting Capacity, Plug-On <sup>(26 28)</sup></b> <small><sup>16 13-0001</sup></small> <i>Note: Includes connection of electrical wire.</i>		
26 28 16 13-0116	EA	15 To 30 Amperes, 1 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity .....	167.34	16.26
		<i>For Bolt-On, Add</i>	27.24	
		<i>For Installation In New Panelboard, Deduct</i>	-9.03	
		<i>Note: Also for use with new interiors in panelboards.</i>		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.84	
26 28 16 13-0117	EA	35 To 60 Amperes, 1 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Ampere Interrupting Capacity .....	167.34	16.26
		<i>For Bolt-On, Add</i>	27.24	
		<i>For Installation In New Panelboard, Deduct</i>	-9.03	
		<i>Note: Also for use with new interiors in panelboards.</i>		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.84	
26 28 16 13-0118	EA	70 To 100 Amperes, 1 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity .....	255.09	20.32
		<i>For Bolt-On, Add</i>	39.79	
		<i>For Installation In New Panelboard, Deduct</i>	-11.29	
		<i>Note: Also for use with new interiors in panelboards.</i>		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.55	
26 28 16 13-0119	EA	15 To 30 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity .....	310.64	24.39
		<i>For Bolt-On, Add</i>	48.31	
		<i>For Installation In New Panelboard, Deduct</i>	-13.55	
		<i>Note: Also for use with new interiors in panelboards.</i>		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.26	
26 28 16 13-0120	EA	35 To 60 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity .....	310.64	24.39
		<i>For Bolt-On, Add</i>	48.31	
		<i>For Installation In New Panelboard, Deduct</i>	-13.55	
		<i>Note: Also for use with new interiors in panelboards.</i>		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.26	
26 28 16 13-0121	EA	70 To 100 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity .....	591.12	32.52
		<i>For Bolt-On, Add</i>	86.53	
		<i>For Installation In New Panelboard, Deduct</i>	-18.06	
		<i>Note: Also for use with new interiors in panelboards.</i>		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.68	
26 28 16 13-0122	EA	110 To 125 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity .....	1,080.35	40.65
		<i>For Bolt-On, Add</i>	150.85	
		<i>For Installation In New Panelboard, Deduct</i>	-22.58	
		<i>Note: Also for use with new interiors in panelboards.</i>		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.10	



<b>Electrical</b>	<b>26</b>	<b>26</b>
Low-Voltage Electrical Distribution	26 20	
Low-Voltage Circuit Protective Devices	26 28	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 13-0123 EA 150 To 225 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity.....	2,168.86	45.16
For Bolt-On, Add	288.49	
For Installation In New Panelboard, Deduct	-24.84	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	29.81	
26 28 16 13-0124 EA 15 To 30 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity.....	537.44	32.52
For Bolt-On, Add	79.82	
For Installation In New Panelboard, Deduct	-18.06	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	21.68	
26 28 16 13-0125 EA 35 To 60 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity.....	537.44	32.52
For Bolt-On, Add	79.82	
For Installation In New Panelboard, Deduct	-18.06	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	21.68	
26 28 16 13-0126 EA 70 To 100 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity.....	746.37	40.65
For Bolt-On, Add	109.10	
For Installation In New Panelboard, Deduct	-22.58	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	27.10	
26 28 16 13-0127 EA 110 To 125 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity.....	1,217.69	48.77
For Bolt-On, Add	171.18	
For Installation In New Panelboard, Deduct	-27.10	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	32.52	
26 28 16 13-0128 EA 150 To 225 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity.....	2,734.35	63.23
For Bolt-On, Add	366.30	
For Installation In New Panelboard, Deduct	-35.00	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	42.00	
<b>26 28 16 13-0129 Branch Circuit Breakers 65,000 Amperes Interrupting Capacity, Plug-On (26 28</b>		
<small>16 13-0001)</small>		
Note: Includes connection of electrical wire.		
26 28 16 13-0130 EA 15 To 30 Amperes, 1 Pole, 240 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity.....	72.33	16.26
For Bolt-On, Add	15.36	
For Installation In New Panelboard, Deduct	-9.03	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.84	
26 28 16 13-0131 EA 15 To 30 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity.....	156.22	24.39
For Bolt-On, Add	29.01	
For Installation In New Panelboard, Deduct	-13.55	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.26	
26 28 16 13-0132 EA 15 To 30 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity.....	249.98	32.52
For Bolt-On, Add	43.89	
For Installation In New Panelboard, Deduct	-18.06	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	21.68	
26 28 16 13-0133 EA 15 To 30 Amperes, 1 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity.....	157.91	16.26
For Bolt-On, Add	26.06	
For Installation In New Panelboard, Deduct	-9.03	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.84	
26 28 16 13-0134 EA 35 To 60 Amperes, 1 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity.....	157.91	16.26
For Bolt-On, Add	26.06	
For Installation In New Panelboard, Deduct	-9.03	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.84	
26 28 16 13-0135 EA 70 To 100 Amperes, 1 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity.....	314.39	32.52
For Bolt-On, Add	51.94	
For Installation In New Panelboard, Deduct	-18.06	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	21.68	
26 28 16 13-0136 EA 15 To 30 Amperes, 2 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity.....	363.10	24.39
For Bolt-On, Add	54.87	
For Installation In New Panelboard, Deduct	-13.55	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.26	
26 28 16 13-0137 EA 35 To 60 Amperes, 2 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity.....	363.10	24.39
For Bolt-On, Add	54.87	
For Installation In New Panelboard, Deduct	-13.55	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.26	
26 28 16 13-0138 EA 70 To 100 Amperes, 2 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity.....	709.34	32.52
For Bolt-On, Add	101.31	
For Installation In New Panelboard, Deduct	-18.06	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	21.68	
26 28 16 13-0139 EA 110 To 125 Amperes, 2 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity.....	1,211.56	40.65
For Bolt-On, Add	167.25	
For Installation In New Panelboard, Deduct	-22.58	
Note: Also for use with new interiors in panelboards.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	27.10	

**26 Electrical**  
**26 20 Low-Voltage Electrical Distribution**  
**26 28 Low-Voltage Circuit Protective Devices**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 13-0140	EA		150 To 225 Amperes, 2 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity ..... <i>For Bolt-On, Add</i> <i>For Installation In New Panelboard, Deduct</i> <i>Note: Also for use with new interiors in panelboards.</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,687.11 355.65 -28.23 33.87	50.58
26 28 16 13-0141	EA		15 To 30 Amperes, 3 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity ..... <i>For Bolt-On, Add</i> <i>For Installation In New Panelboard, Deduct</i> <i>Note: Also for use with new interiors in panelboards.</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	612.48 89.20 -18.06 21.68	32.52
26 28 16 13-0142	EA		70 To 60 Amperes, 3 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity ..... <i>For Bolt-On, Add</i> <i>For Installation In New Panelboard, Deduct</i> <i>Note: Also for use with new interiors in panelboards.</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	612.48 89.20 -18.06 21.68	32.52
26 28 16 13-0143	EA		70 To 100 Amperes, 3 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity ..... <i>For Bolt-On, Add</i> <i>For Installation In New Panelboard, Deduct</i> <i>Note: Also for use with new interiors in panelboards.</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	855.31 122.72 -22.58 27.10	40.65
26 28 16 13-0144	EA		110 To 125 Amperes, 3 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity ..... <i>For Bolt-On, Add</i> <i>For Installation In New Panelboard, Deduct</i> <i>Note: Also for use with new interiors in panelboards.</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,313.12 183.11 -27.10 32.52	48.77
26 28 16 13-0145	EA		150 To 225 Amperes, 3 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity ..... <i>For Bolt-On, Add</i> <i>For Installation In New Panelboard, Deduct</i> <i>Note: Also for use with new interiors in panelboards.</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,341.43 442.18 -35.00 42.00	63.23

**26 28 16 16 Enclosed Switches (26 28 16)**

26 28 16 16-0001			<b>Motor And Circuit Disconnects (26 28 16 16)</b> Note: Work includes mounting, material handling, uploading at job site and termination of all conductors entering and leaving the disconnect.		
26 28 16 16-0002			<b>NEMA 1 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0001)</b>		
26 28 16 16-0003			<b>Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0002)</b> Note: Includes fuses and neutral bar.		
26 28 16 16-0004			<b>240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0003)</b>		
26 28 16 16-0005	EA		30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	456.82	90.33
26 28 16 16-0006	EA		60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	770.06	108.84
26 28 16 16-0007	EA		100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	1,093.56	127.36
26 28 16 16-0008	EA		200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	1,912.60	200.51
26 28 16 16-0009	EA		400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	4,248.65	311.61
26 28 16 16-0010	EA		600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	7,188.70	460.65
26 28 16 16-0011	EA		800 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	9,942.69	541.94
26 28 16 16-0012	EA		1,200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	13,498.94	632.27
26 28 16 16-0013			<b>600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches (26 28 16 16-0003)</b>		
26 28 16 16-0014	EA		30 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	753.58	100.35
26 28 16 16-0015	EA		60 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	909.54	120.94
26 28 16 16-0016	EA		100 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	1,526.56	141.36
26 28 16 16-0017	EA		200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	2,234.74	223.10
26 28 16 16-0018	EA		400 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	5,097.25	346.12
26 28 16 16-0019	EA		600 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	7,990.57	511.60
26 28 16 16-0020	EA		800 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	12,059.45	601.83
26 28 16 16-0021	EA		1,200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	16,663.87	702.53



<b>Electrical</b>	<b>26</b>	<b>26</b>
Low-Voltage Electrical Distribution	26 20	
Low-Voltage Circuit Protective Devices	26 28	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>26 28 16 16-0022</b> <b>240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0003)</small>		
26 28 16 16-0023     EA     30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	628.61	141.81
26 28 16 16-0024     EA     60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	959.46	188.33
26 28 16 16-0025     EA     100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	1,361.44	209.10
26 28 16 16-0026     EA     200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	2,159.10	327.42
26 28 16 16-0027     EA     400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	4,708.09	537.42
26 28 16 16-0028     EA     600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	7,849.00	752.85
<b>26 28 16 16-0029</b> <b>600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0003)</small>		
26 28 16 16-0030     EA     30 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	866.48	156.71
26 28 16 16-0031     EA     60 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	1,085.93	209.10
26 28 16 16-0032     EA     100 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	1,714.38	235.30
26 28 16 16-0033     EA     200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	2,505.34	358.58
26 28 16 16-0034     EA     400 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	5,923.94	578.98
26 28 16 16-0035     EA     600 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	9,682.52	836.40
26 28 16 16-0036     EA     800 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	15,935.92	993.56
26 28 16 16-0037     EA     1,200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	20,592.53	1,129.05
<b>26 28 16 16-0038</b> <b>240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0003)</small>		
26 28 16 16-0039     EA     30 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	602.09	141.81
26 28 16 16-0040     EA     60 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	925.19	188.33
26 28 16 16-0041     EA     100 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	1,299.08	209.10
26 28 16 16-0042     EA     200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	2,244.86	327.42
26 28 16 16-0043     EA     400 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	5,191.42	537.42
26 28 16 16-0044     EA     600 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	8,576.13	752.85
26 28 16 16-0045     EA     800 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	14,661.80	948.40
26 28 16 16-0046     EA     1,200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	18,209.27	1,083.89
<b>26 28 16 16-0047</b> <b>600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0003)</small>		
26 28 16 16-0048     EA     30 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	963.80	156.71
26 28 16 16-0049     EA     60 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	1,205.52	209.10
26 28 16 16-0050     EA     100 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	1,889.25	235.30
26 28 16 16-0051     EA     200 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	2,767.12	358.58
26 28 16 16-0052     EA     400 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	6,482.46	578.98
26 28 16 16-0053     EA     600 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	10,668.93	836.40
26 28 16 16-0054     EA     800 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	17,573.59	993.56
26 28 16 16-0055     EA     1,200 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	22,361.56	1,129.05
<b>26 28 16 16-0056</b> <b>Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0002)</small>		
<b>26 28 16 16-0057</b> <b>240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0056)</small>		

**26 Electrical**  
**26 20 Low-Voltage Electrical Distribution**  
**26 28 Low-Voltage Circuit Protective Devices**



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0058	EA	30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	440.04	130.70
26 28 16 16-0059	EA	60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	706.40	181.82
26 28 16 16-0060	EA	100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,018.32	209.10
26 28 16 16-0061	EA	200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,588.28	334.56
26 28 16 16-0062	EA	400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	3,331.64	557.56
26 28 16 16-0063	EA	600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	5,611.18	760.35
26 28 16 16-0064	EA	800 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	8,209.55	903.24
26 28 16 16-0065	EA	1,200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	10,990.07	1,054.17
<b>26 28 16 16-0066</b>		<b>600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0056)</small></b>		
26 28 16 16-0067	EA	30 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	486.20	144.25
26 28 16 16-0068	EA	60 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	802.25	204.05
26 28 16 16-0069	EA	100 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,155.30	232.31
26 28 16 16-0070	EA	200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,790.45	363.64
26 28 16 16-0071	EA	400 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	3,585.62	597.40
26 28 16 16-0072	EA	600 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	6,207.85	836.31
26 28 16 16-0073	EA	800 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	9,210.64	903.24
26 28 16 16-0074	EA	1,200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	12,361.03	1,054.17
<b>26 28 16 16-0075</b>		<b>240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0056)</small></b>		
26 28 16 16-0076	EA	30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	494.61	117.42
26 28 16 16-0077	EA	60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	782.31	163.48
26 28 16 16-0078	EA	100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,105.61	188.33
26 28 16 16-0079	EA	200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,728.66	301.23
26 28 16 16-0080	EA	400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	3,616.79	501.75
26 28 16 16-0081	EA	600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	6,022.78	684.20
26 28 16 16-0082	EA	800 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	10,926.76	812.91
26 28 16 16-0083	EA	1,200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	14,409.17	948.40
<b>26 28 16 16-0084</b>		<b>480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0056)</small></b>		
26 28 16 16-0085	EA	30 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	537.36	129.61
26 28 16 16-0086	EA	60 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	854.70	183.81
26 28 16 16-0087	EA	100 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,199.51	209.10
26 28 16 16-0088	EA	200 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,861.49	327.42
26 28 16 16-0089	EA	400 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	3,875.11	537.42
26 28 16 16-0090	EA	600 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	6,492.09	752.85
26 28 16 16-0091	EA	800 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	11,589.94	812.91
<b>26 28 16 16-0092</b>		<b>600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0056)</small></b>		
26 28 16 16-0093	EA	30 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	586.75	129.79
26 28 16 16-0094	EA	60 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	938.92	183.62





<b>Electrical</b>	<b>26</b>	<b>26</b>
Low-Voltage Electrical Distribution	26 20	
Low-Voltage Circuit Protective Devices	26 28	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0095 EA 100 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,336.47	209.10
26 28 16 16-0096 EA 200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	2,072.45	327.24
26 28 16 16-0097 EA 400 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	4,170.20	537.60
26 28 16 16-0098 EA 600 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	7,365.42	752.67
26 28 16 16-0099 EA 800 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	12,586.07	812.91
26 28 16 16-0100 EA 1,200 Amperes, 600 Volt Class, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	16,642.88	948.40
<b>26 28 16 16-0101 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0056)</small></b>		
26 28 16 16-0102 EA 30 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	968.93	117.60
26 28 16 16-0103 EA 60 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,138.05	163.67
26 28 16 16-0104 EA 100 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,839.32	188.15
26 28 16 16-0105 EA 200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	2,732.14	301.05
<b>26 28 16 16-0106 480 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0056)</small></b>		
26 28 16 16-0107 EA 30 Amperes, 480 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,045.69	129.61
26 28 16 16-0108 EA 60 Amperes, 480 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,235.89	183.81
26 28 16 16-0109 EA 100 Amperes, 480 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,985.65	209.10
26 28 16 16-0110 EA 200 Amperes, 480 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	2,936.67	327.42
<b>26 28 16 16-0111 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0056)</small></b>		
26 28 16 16-0112 EA 30 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,183.14	129.79
26 28 16 16-0113 EA 60 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,387.50	183.62
26 28 16 16-0114 EA 100 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	2,258.29	209.10
26 28 16 16-0115 EA 200 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	3,333.82	327.24
<b>26 28 16 16-0116 General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0002)</small></b> Note: Includes fuses and neutral bar.		
<b>26 28 16 16-0117 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0116)</small></b>		
26 28 16 16-0118 EA 30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	293.07	78.58
26 28 16 16-0119 EA 60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	418.28	94.57
26 28 16 16-0120 EA 100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	696.12	110.56
26 28 16 16-0121 EA 200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,334.17	174.42
26 28 16 16-0122 EA 400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	3,390.95	270.52
26 28 16 16-0123 EA 600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	6,500.66	400.41
<b>26 28 16 16-0124 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0116)</small></b>		
26 28 16 16-0125 EA 30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	382.42	123.48
26 28 16 16-0126 EA 60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	555.94	163.67
26 28 16 16-0127 EA 100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	838.62	181.82
26 28 16 16-0128 EA 200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,556.12	284.61
26 28 16 16-0129 EA 400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	3,788.47	467.52

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0130	EA	600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	7,015.95	654.48
<b>26 28 16 16-0131</b>		<b>240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0116)</small>		
26 28 16 16-0132	EA	30 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	446.55	123.48
26 28 16 16-0133	EA	60 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	659.34	163.67
26 28 16 16-0134	EA	100 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	932.71	181.82
26 28 16 16-0135	EA	200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	1,793.17	284.61
26 28 16 16-0136	EA	400 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	4,193.65	467.52
26 28 16 16-0137	EA	600 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	7,272.78	654.48
<b>26 28 16 16-0138</b>		<b>General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0002)</small>		
<b>26 28 16 16-0139</b>		<b>240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0138)</small>		
26 28 16 16-0140	EA	60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	397.49	109.29
26 28 16 16-0141	EA	100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	558.88	125.64
26 28 16 16-0142	EA	200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	1,387.54	200.79
26 28 16 16-0143	EA	400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	3,121.25	334.20
26 28 16 16-0144	EA	600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	5,589.06	455.41
<b>26 28 16 16-0145</b>		<b>240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0138)</small>		
26 28 16 16-0146	EA	30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	376.96	102.24
26 28 16 16-0147	EA	60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	513.25	142.26
26 28 16 16-0148	EA	100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	860.30	163.67
26 28 16 16-0149	EA	200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	1,510.57	261.85
26 28 16 16-0150	EA	400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	3,326.98	436.44
26 28 16 16-0151	EA	600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	5,870.98	594.87
<b>26 28 16 16-0152</b>		<b>NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches</b> <small>(26 28 16 16-0001)</small>		
<b>26 28 16 16-0153</b>		<b>Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches</b> <small>(26 28 16 16-0152)</small> Note: With fuses, neutral bar, and hub if required.		
<b>26 28 16 16-0154</b>		<b>240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches</b> <small>(26 28 16 16-0153)</small>		
26 28 16 16-0155	EA	30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	710.87	106.13
26 28 16 16-0156	EA	60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	1,193.37	127.36
26 28 16 16-0157	EA	100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	1,508.17	148.13
26 28 16 16-0158	EA	200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	2,194.07	225.81
26 28 16 16-0159	EA	400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	5,055.66	361.29
26 28 16 16-0160	EA	600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	9,088.70	481.88
26 28 16 16-0161	EA	800 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	13,898.72	541.94
26 28 16 16-0162	EA	1,200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	18,546.92	632.27



<b>Electrical</b>	<b>26</b>	
Low-Voltage Electrical Distribution	26 20	26
Low-Voltage Circuit Protective Devices	26 28	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>26 28 16 16-0163</b> <b>600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches</b> <sup>(26)</sup> <small>28 16 16-0153)</small>		
26 28 16 16-0164 EA 30 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,285.50	141.45
26 28 16 16-0165 EA 60 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,523.29	173.42
26 28 16 16-0166 EA 100 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	2,232.97	199.16
26 28 16 16-0167 EA 200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	3,118.79	298.70
26 28 16 16-0168 EA 400 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	7,029.98	488.74
26 28 16 16-0169 EA 600 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	13,269.80	672.10
26 28 16 16-0170 EA 800 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	19,832.82	773.90
26 28 16 16-0171 EA 1,200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	21,819.61	871.17
<b>26 28 16 16-0172</b> <b>240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches</b> <sup>(26)</sup> <small>28 16 16-0153)</small>		
26 28 16 16-0173 EA 30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	858.79	167.10
26 28 16 16-0174 EA 60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,429.66	221.30
26 28 16 16-0175 EA 100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,759.31	242.97
26 28 16 16-0176 EA 200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	2,584.04	376.20
26 28 16 16-0177 EA 400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	5,869.58	627.30
26 28 16 16-0178 EA 600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	10,107.63	836.40
<b>26 28 16 16-0179</b> <b>600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches</b> <sup>(26)</sup> <small>28 16 16-0153)</small>		
26 28 16 16-0180 EA 30 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,401.80	198.08
26 28 16 16-0181 EA 60 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,662.78	242.79
26 28 16 16-0182 EA 100 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	2,295.98	278.74
26 28 16 16-0183 EA 200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	3,315.38	418.20
26 28 16 16-0184 EA 400 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	7,277.72	684.29
26 28 16 16-0185 EA 600 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	13,590.92	940.90
26 28 16 16-0186 EA 800 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	19,613.58	1,083.89
26 28 16 16-0187 EA 1,200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	23,595.59	1,219.37
<b>26 28 16 16-0188</b> <b>240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches</b> <sup>(26)</sup> <small>28 16 16-0153)</small>		
26 28 16 16-0189 EA 30 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	967.54	167.10
26 28 16 16-0190 EA 60 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,432.82	221.30
26 28 16 16-0191 EA 100 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,912.21	242.97
26 28 16 16-0192 EA 200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	2,686.02	376.20
26 28 16 16-0193 EA 400 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	5,963.14	627.30
26 28 16 16-0194 EA 600 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	11,136.67	836.40
26 28 16 16-0195 EA 800 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	19,263.71	948.40
26 28 16 16-0196 EA 1,200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	24,160.68	1,083.89
<b>26 28 16 16-0197</b> <b>600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches</b> <sup>(26)</sup> <small>28 16 16-0153)</small>		

**26 Electrical**  
**26 20 Low-Voltage Electrical Distribution**  
**26 28 Low-Voltage Circuit Protective Devices**



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0198 EA 30 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	1,464.19	198.26
26 28 16 16-0199 EA 60 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	1,732.93	242.97
26 28 16 16-0200 EA 100 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	2,451.90	278.65
26 28 16 16-0201 EA 200 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	3,416.73	418.20
26 28 16 16-0202 EA 400 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	7,644.11	684.20
26 28 16 16-0203 EA 600 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	14,011.88	940.72
26 28 16 16-0204 EA 800 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	20,939.16	1,083.89
26 28 16 16-0205 EA 1,200 Amperes, 600 Volt Class, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	25,342.87	1,219.37
<b>26 28 16 16-0206 Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches <small>(26 28 16 16-0152)</small></b>		
<b>26 28 16 16-0207 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches <small>(26 28 16 16-0206)</small></b>		
26 28 16 16-0208 EA 30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	686.74	92.95
26 28 16 16-0209 EA 60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	1,156.33	128.71
26 28 16 16-0210 EA 100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	1,553.12	147.59
26 28 16 16-0211 EA 200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	2,001.80	239.00
26 28 16 16-0212 EA 400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	4,659.28	398.69
26 28 16 16-0213 EA 600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	8,793.52	531.56
26 28 16 16-0214 EA 800 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	14,485.68	632.54
26 28 16 16-0215 EA 1,200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	19,293.42	722.86
<b>26 28 16 16-0216 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches <small>(26 28 16 16-0206)</small></b>		
26 28 16 16-0217 EA 30 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	776.57	102.42
26 28 16 16-0218 EA 60 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	1,314.12	143.35
26 28 16 16-0219 EA 100 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	1,761.00	161.86
26 28 16 16-0220 EA 200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	2,243.42	250.92
26 28 16 16-0221 EA 400 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	5,339.94	418.20
26 28 16 16-0222 EA 600 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	9,518.92	557.56
26 28 16 16-0223 EA 800 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	15,466.77	662.62
26 28 16 16-0224 EA 1,200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	20,595.75	752.67
<b>26 28 16 16-0225 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches <small>(26 28 16 16-0206)</small></b>		
26 28 16 16-0226 EA 30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	779.67	139.37
26 28 16 16-0227 EA 60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	1,284.99	193.02
26 28 16 16-0228 EA 100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	1,700.70	221.39
26 28 16 16-0229 EA 200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	2,240.75	358.49
26 28 16 16-0230 EA 400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	5,136.28	597.94
26 28 16 16-0231 EA 600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	9,478.46	797.10
26 28 16 16-0232 EA 800 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	15,289.51	948.40
26 28 16 16-0233 EA 1,200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	20,503.14	1,083.89



<b>Electrical</b>	<b>26</b>	<b>26</b>
Low-Voltage Electrical Distribution	26 20	
Low-Voltage Circuit Protective Devices	26 28	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>26 28 16 16-0234</b> <b>480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches</b> <small>(26 28 16 16-0206)</small>		
26 28 16 16-0235     EA     30 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	843.89	153.55
26 28 16 16-0236     EA     60 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	1,393.33	215.06
26 28 16 16-0237     EA     100 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	1,833.41	242.79
26 28 16 16-0238     EA     200 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	2,385.43	376.38
26 28 16 16-0239     EA     400 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	5,476.20	627.21
26 28 16 16-0240     EA     600 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	10,119.55	836.31
26 28 16 16-0241     EA     800 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	16,336.28	993.56
26 28 16 16-0242     EA     1,200 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	21,901.65	1,129.05
<b>26 28 16 16-0243</b> <b>600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches</b> <small>(26 28 16 16-0206)</small>		
26 28 16 16-0244     EA     30 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	347.80	153.55
26 28 16 16-0245     EA     60 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	1,457.50	215.06
26 28 16 16-0246     EA     100 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	1,922.87	242.79
26 28 16 16-0247     EA     200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	2,494.31	376.38
26 28 16 16-0248     EA     400 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	5,758.11	627.21
26 28 16 16-0249     EA     600 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	10,076.47	836.31
26 28 16 16-0250     EA     800 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	16,312.15	993.56
26 28 16 16-0251     EA     1,200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	21,868.82	1,129.05
<b>26 28 16 16-0252</b> <b>General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches</b> <small>(26 28 16 16-0152)</small>		
Note: With fuses, neutral bar, and hub if required.		
<b>26 28 16 16-0253</b> <b>240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches</b> <small>(26 28 16 16-0252)</small>		
26 28 16 16-0254     EA     30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	393.25	92.31
26 28 16 16-0255     EA     60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	584.58	110.74
26 28 16 16-0256     EA     100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	794.18	128.80
26 28 16 16-0257     EA     200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,731.88	196.36
26 28 16 16-0258     EA     400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	4,488.20	314.14
26 28 16 16-0259     EA     600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	8,165.46	419.10
<b>26 28 16 16-0260</b> <b>240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches</b> <small>(26 28 16 16-0252)</small>		
26 28 16 16-0261     EA     30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	500.34	145.51
26 28 16 16-0262     EA     60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	748.81	192.48
26 28 16 16-0263     EA     100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	958.62	211.18
26 28 16 16-0264     EA     200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,995.04	327.24
26 28 16 16-0265     EA     400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	4,954.10	545.38
26 28 16 16-0266     EA     600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	8,792.79	727.47
<b>26 28 16 16-0267</b> <b>240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches</b> <small>(26 28 16 16-0252)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0268 EA 30 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	590.27	145.42
26 28 16 16-0269 EA 60 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	838.73	192.48
26 28 16 16-0270 EA 100 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	1,248.66	211.18
26 28 16 16-0271 EA 200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	2,182.47	327.24
26 28 16 16-0272 EA 400 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	5,074.50	545.47
26 28 16 16-0273 EA 600 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	9,734.02	727.47
26 28 16 16-0274 EA 800 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	14,237.70	824.11
<b>26 28 16 16-0275 General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches</b> <small>(26 28 16 16-0152)</small>		
<b>26 28 16 16-0276 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches</b> <small>(26 28 16 16-0275)</small>		
26 28 16 16-0277 EA 30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	358.65	80.84
26 28 16 16-0278 EA 60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	617.86	111.91
26 28 16 16-0279 EA 100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	633.14	128.35
26 28 16 16-0280 EA 200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	1,755.51	207.75
26 28 16 16-0281 EA 400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	4,554.78	346.66
26 28 16 16-0282 EA 600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	8,255.88	462.19
<b>26 28 16 16-0283 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches</b> <small>(26 28 16 16-0275)</small>		
26 28 16 16-0284 EA 30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	569.49	121.21
26 28 16 16-0285 EA 60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	829.87	167.82
26 28 16 16-0286 EA 100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	1,296.02	192.48
26 28 16 16-0287 EA 200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	2,256.33	311.70
<b>26 28 16 16-0288 NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0001)</small>		
<b>26 28 16 16-0289 Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0288)</small>		
Note: With fuses and neutral bar (stainless steel).		
<b>26 28 16 16-0290 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0289)</small>		
26 28 16 16-0291 EA 30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	2,178.98	90.33
26 28 16 16-0292 EA 60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	2,617.01	108.84
26 28 16 16-0293 EA 100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	5,483.33	127.18
26 28 16 16-0294 EA 200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	7,546.40	200.70
26 28 16 16-0295 EA 400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	15,488.69	311.43
26 28 16 16-0296 EA 600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	22,244.40	460.47
<b>26 28 16 16-0297 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0289)</small>		
26 28 16 16-0298 EA 30 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	2,786.89	100.35
26 28 16 16-0299 EA 60 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	3,085.01	120.85
26 28 16 16-0300 EA 100 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	5,922.84	141.27
26 28 16 16-0301 EA 200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	8,335.02	223.10
26 28 16 16-0302 EA 400 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	16,050.30	346.30



<b>Electrical</b>	<b>26</b>	<b>26</b>
Low-Voltage Electrical Distribution	26 20	
Low-Voltage Circuit Protective Devices	26 28	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0303 EA 600 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	22,991.03	511.60
<b>26 28 16 16-0304 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <sup>(26 28 16 16-0289)</sup></b>		
26 28 16 16-0305 EA 30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	2,386.90	141.99
26 28 16 16-0306 EA 60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	2,976.23	188.15
26 28 16 16-0307 EA 100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	5,905.85	209.10
26 28 16 16-0308 EA 200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	8,349.62	327.24
26 28 16 16-0309 EA 400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	16,432.92	537.60
26 28 16 16-0310 EA 600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	23,473.28	752.67
<b>26 28 16 16-0311 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <sup>(26 28 16 16-0289)</sup></b>		
26 28 16 16-0312 EA 30 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	2,907.85	156.81
26 28 16 16-0313 EA 60 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	3,270.27	209.10
26 28 16 16-0314 EA 100 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	6,128.24	235.21
26 28 16 16-0315 EA 200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	8,630.22	358.40
26 28 16 16-0316 EA 400 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	16,934.85	578.98
26 28 16 16-0317 EA 600 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	24,078.65	836.31
<b>26 28 16 16-0318 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <sup>(26 28 16 16-0289)</sup></b>		
26 28 16 16-0319 EA 30 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	2,895.38	141.99
26 28 16 16-0320 EA 60 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	3,611.89	188.15
26 28 16 16-0321 EA 100 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	7,177.80	209.10
26 28 16 16-0322 EA 200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	10,088.96	327.24
26 28 16 16-0323 EA 400 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	19,856.15	537.60
26 28 16 16-0324 EA 600 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	28,177.63	752.67
<b>26 28 16 16-0325 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <sup>(26 28 16 16-0289)</sup></b>		
26 28 16 16-0326 EA 30 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	3,508.69	156.81
26 28 16 16-0327 EA 60 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	3,951.60	209.10
26 28 16 16-0328 EA 100 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	7,426.58	235.21
26 28 16 16-0329 EA 200 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	10,384.09	358.40
26 28 16 16-0330 EA 400 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	20,404.27	578.98
26 28 16 16-0331 EA 600 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	28,847.14	836.31
<b>26 28 16 16-0332 Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <sup>(26 28 16 16-0288)</sup></b>		
<b>26 28 16 16-0333 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <sup>(26 28 16 16-0332)</sup></b>		
26 28 16 16-0334 EA 30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	2,085.14	90.33
26 28 16 16-0335 EA 60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	2,514.25	125.64
26 28 16 16-0336 EA 100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	4,871.84	144.52
26 28 16 16-0337 EA 200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	6,713.62	230.86

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0338	EA	400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	12,276.78	384.42
26 28 16 16-0339	EA	600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	17,623.96	523.69
<b>26 28 16 16-0340</b>		<b>600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0332)</small>		
26 28 16 16-0341	EA	30 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,375.90	99.63
26 28 16 16-0342	EA	60 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,867.91	140.91
26 28 16 16-0343	EA	100 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	5,558.63	160.60
26 28 16 16-0344	EA	200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	7,646.87	250.92
26 28 16 16-0345	EA	400 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	13,977.87	412.96
26 28 16 16-0346	EA	600 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	20,100.90	578.07
<b>26 28 16 16-0347</b>		<b>240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0332)</small>		
26 28 16 16-0348	EA	30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,139.71	117.60
26 28 16 16-0349	EA	60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,554.17	163.67
26 28 16 16-0350	EA	100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,639.25	188.15
26 28 16 16-0351	EA	200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	5,184.94	301.05
26 28 16 16-0352	EA	400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	7,255.44	501.84
26 28 16 16-0353	EA	600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	18,490.99	684.29
<b>26 28 16 16-0354</b>		<b>600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0332)</small>		
26 28 16 16-0355	EA	30 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,436.11	129.79
26 28 16 16-0356	EA	60 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,953.34	183.62
26 28 16 16-0357	EA	100 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	5,655.63	209.10
26 28 16 16-0358	EA	200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	7,799.48	327.24
26 28 16 16-0359	EA	400 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	15,747.38	537.60
26 28 16 16-0360	EA	600 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	21,073.92	752.67
<b>26 28 16 16-0361</b>		<b>240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0332)</small>		
26 28 16 16-0362	EA	30 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,009.02	117.60
26 28 16 16-0363	EA	60 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,573.80	163.67
26 28 16 16-0364	EA	100 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	8,314.53	188.15
26 28 16 16-0365	EA	200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	12,662.53	301.05
<b>26 28 16 16-0366</b>		<b>600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0332)</small>		
26 28 16 16-0367	EA	30 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,429.60	129.79
26 28 16 16-0368	EA	60 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	4,077.50	183.62
26 28 16 16-0369	EA	100 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	9,490.36	209.10
26 28 16 16-0370	EA	200 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	14,437.80	327.24





<b>Electrical</b>	<b>26</b>	<b>26</b>
Low-Voltage Electrical Distribution	26 20	
Low-Voltage Circuit Protective Devices	26 28	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST	
26 28 16 16-0371	Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0288)</small>		
26 28 16 16-0372	600 Volt Class, 3 Phase, 3 Pole, Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0371)</small>		
26 28 16 16-0373	EA 30 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	3,979.50	156.71
26 28 16 16-0374	EA 60 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	4,490.22	209.10
26 28 16 16-0375	EA 100 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	8,283.79	235.30
26 28 16 16-0376	EA 200 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	10,703.35	358.58
26 28 16 16-0377	600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0371)</small>		
26 28 16 16-0378	EA 30 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	3,752.34	129.61
26 28 16 16-0379	EA 60 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	4,249.00	183.81
26 28 16 16-0380	EA 100 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	7,851.04	209.10
26 28 16 16-0381	EA 200 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	10,606.73	327.42
26 28 16 16-0382	Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0288)</small>		
26 28 16 16-0383	600 Volt Class, 3 Phase, 3 Pole, Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0382)</small>		
26 28 16 16-0384	EA 30 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	4,584.49	156.71
26 28 16 16-0385	EA 60 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	5,167.18	209.10
26 28 16 16-0386	EA 100 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	9,564.02	235.30
26 28 16 16-0387	600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0382)</small>		
26 28 16 16-0388	EA 30 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	4,324.76	129.61
26 28 16 16-0389	EA 60 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	4,889.97	183.81
26 28 16 16-0390	EA 100 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	9,079.86	209.10
26 28 16 16-0391	NEMA 7 Or 9 Enclosures, Neutral Kit, Safety Switches <small>(26 28 16 16-0001)</small>		
26 28 16 16-0392	Heavy Duty Fusible, NEMA 7 Or 9 Enclosures, Neutral Kit, Safety Switches <small>(26 28 16 16-0391)</small>		
	Note: With fuses and neutral bar.		
26 28 16 16-0393	EA 30 Amperes, 240 Volt, 3 Phase, Heavy Duty Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch .....	3,540.12	180.65
26 28 16 16-0394	EA 60 Amperes, 240 Volt, 3 Phase, Heavy Duty Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch .....	3,980.75	215.06
26 28 16 16-0395	EA 100 Amperes, 240 Volt, 3 Phase, Heavy Duty Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch .....	4,408.03	242.79
26 28 16 16-0396	EA 200 Amperes, 240 Volt, 3 Phase, Heavy Duty Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch .....	9,564.19	376.38
26 28 16 16-0397	Heavy Duty Non-Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0391)</small>		
26 28 16 16-0398	EA 60 Amperes, 240 Volt, 3 Phase, Heavy Duty Non-Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch .....	2,636.52	215.06
26 28 16 16-0399	EA 100 Amperes, 240 Volt, 3 Phase, Heavy Duty Non-Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch .....	3,098.91	242.79
26 28 16 16-0400	EA 200 Amperes, 240 Volt, 3 Phase, Heavy Duty Non-Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch .....	5,803.06	376.38
26 28 16 16-0401	NEMA 12 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0001)</small>		
26 28 16 16-0402	Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0401)</small>		
	Note: With fuses and neutral bar.		
26 28 16 16-0403	240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0402)</small>		
26 28 16 16-0404	EA 30 Amperes, 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....	708.42	90.33
26 28 16 16-0405	EA 60 Amperes, 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....	938.94	108.84

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0406 EA 100 Amperes, 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....	1,313.47	127.36
26 28 16 16-0407 EA 200 Amperes, 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....	2,236.33	200.51
26 28 16 16-0408 EA 400 Amperes, 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....	4,949.54	311.61
26 28 16 16-0409 EA 600 Amperes, 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....	9,090.84	460.65
<b>26 28 16 16-0410 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0402)</small></b>		
26 28 16 16-0411 EA 30 Amperes, 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....	1,175.20	100.26
26 28 16 16-0412 EA 60 Amperes, 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....	1,185.33	121.03
26 28 16 16-0413 EA 100 Amperes, 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....	1,757.13	141.36
26 28 16 16-0414 EA 200 Amperes, 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....	2,745.99	223.10
26 28 16 16-0415 EA 400 Amperes, 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....	6,204.24	345.94
26 28 16 16-0416 EA 600 Amperes, 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....	12,537.24	511.69
<b>26 28 16 16-0417 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0402)</small></b>		
26 28 16 16-0418 EA 30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....	959.57	141.81
26 28 16 16-0419 EA 60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....	1,342.19	188.33
26 28 16 16-0420 EA 100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....	1,904.71	209.10
26 28 16 16-0421 EA 200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....	2,806.06	327.42
26 28 16 16-0422 EA 400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....	5,666.95	537.42
26 28 16 16-0423 EA 600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....	9,265.33	752.85
<b>26 28 16 16-0424 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0402)</small></b>		
26 28 16 16-0425 EA 30 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....	1,327.08	156.71
26 28 16 16-0426 EA 60 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....	1,454.99	209.10
26 28 16 16-0427 EA 100 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....	2,255.65	235.30
26 28 16 16-0428 EA 200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....	3,258.27	358.58
26 28 16 16-0429 EA 400 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....	7,090.54	578.98
26 28 16 16-0430 EA 600 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....	13,724.86	836.40
<b>26 28 16 16-0431 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0402)</small></b>		
26 28 16 16-0432 EA 30 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....	1,040.23	141.81
26 28 16 16-0433 EA 60 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....	1,397.60	188.33
26 28 16 16-0434 EA 100 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....	2,078.65	209.10
26 28 16 16-0435 EA 200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....	3,024.44	327.42
26 28 16 16-0436 EA 400 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....	6,251.66	537.42
26 28 16 16-0437 EA 600 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....	9,660.34	752.85
<b>26 28 16 16-0438 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0402)</small></b>		
26 28 16 16-0439 EA 30 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....	1,420.60	156.71
26 28 16 16-0440 EA 60 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....	1,704.46	209.10



<b>Electrical</b>	<b>26</b>	<b>26</b>
Low-Voltage Electrical Distribution	26 20	
Low-Voltage Circuit Protective Devices	26 28	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0441 EA 100 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....	2,427.18	235.30
26 28 16 16-0442 EA 200 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....	3,585.68	358.58
26 28 16 16-0443 EA 400 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....	7,620.64	578.98
26 28 16 16-0444 EA 600 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....	14,161.41	836.40
<b>26 28 16 16-0445 Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0401)</small>		
<b>26 28 16 16-0446 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0445)</small>		
26 28 16 16-0447 EA 30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	747.67	130.52
26 28 16 16-0448 EA 60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	982.47	182.00
26 28 16 16-0449 EA 100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,336.66	209.10
26 28 16 16-0450 EA 200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,868.35	334.65
26 28 16 16-0451 EA 400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	4,298.45	557.74
26 28 16 16-0452 EA 600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	6,937.37	760.53
<b>26 28 16 16-0453 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0445)</small>		
26 28 16 16-0454 EA 30 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	834.94	144.07
26 28 16 16-0455 EA 60 Amperes, Non-Fused, NEMA 12, Heavy Duty Disconnect Switch, 600 Volt, 1 Phase.....	1,090.12	204.14
26 28 16 16-0456 EA 100 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,490.54	232.13
26 28 16 16-0457 EA 200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	2,029.86	363.55
26 28 16 16-0458 EA 400 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	4,542.31	597.49
26 28 16 16-0459 EA 600 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	7,665.65	836.40
<b>26 28 16 16-0460 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0445)</small>		
26 28 16 16-0461 EA 30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	960.92	117.42
26 28 16 16-0462 EA 60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,250.24	163.48
26 28 16 16-0463 EA 100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,711.50	188.33
26 28 16 16-0464 EA 200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	2,391.76	301.23
26 28 16 16-0465 EA 400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	5,246.85	501.75
26 28 16 16-0466 EA 600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	8,449.42	684.20
<b>26 28 16 16-0467 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0445)</small>		
26 28 16 16-0468 EA 30 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	917.52	129.61
26 28 16 16-0469 EA 60 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,341.65	183.81
26 28 16 16-0470 EA 100 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,821.39	209.10
26 28 16 16-0471 EA 200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	2,315.01	327.42
26 28 16 16-0472 EA 400 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	5,214.83	537.42
26 28 16 16-0473 EA 600 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	10,158.68	752.85
<b>26 28 16 16-0474 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0445)</small>		
26 28 16 16-0475 EA 30 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,191.70	117.42
26 28 16 16-0476 EA 60 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,381.48	163.48



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0477 EA 100 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	2,249.17	188.33
26 28 16 16-0478 EA 200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	3,562.36	301.23
26 28 16 16-0479 EA 400 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	6,696.93	383.88
<b>26 28 16 16-0480 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0445)</small>		
26 28 16 16-0481 EA 30 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,226.23	129.61
26 28 16 16-0482 EA 60 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,497.56	183.81
26 28 16 16-0483 EA 100 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	2,390.48	209.10
26 28 16 16-0484 EA 200 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	3,632.48	327.42
26 28 16 16-0485 EA 400 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	6,971.48	505.81
<b>26 28 16 16-0486 Double Throw Safety Switches</b> <small>(26 28 16 16-0001)</small>		
<b>26 28 16 16-0487 NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches</b> <small>(26 28 16 16-0486)</small>		
<b>26 28 16 16-0488 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches</b> <small>(26 28 16 16-0487)</small>		
26 28 16 16-0489 EA 30 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	885.00	116.06
26 28 16 16-0490 EA 60 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	1,337.77	151.74
26 28 16 16-0491 EA 100 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	1,898.68	198.26
26 28 16 16-0492 EA 200 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	2,541.92	257.87
26 28 16 16-0493 EA 400 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	6,589.58	322.46
26 28 16 16-0494 EA 600 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	12,095.05	517.10
<b>26 28 16 16-0495 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches</b> <small>(26 28 16 16-0487)</small>		
26 28 16 16-0496 EA 30 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	1,092.28	162.58
26 28 16 16-0497 EA 60 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	1,547.08	212.26
26 28 16 16-0498 EA 100 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	2,393.22	277.74
26 28 16 16-0499 EA 200 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	3,585.45	361.29
26 28 16 16-0500 EA 400 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	9,069.51	451.62
26 28 16 16-0501 EA 600 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	12,512.97	722.59
<b>26 28 16 16-0502 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches</b> <small>(26 28 16 16-0487)</small>		
26 28 16 16-0503 EA 30 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	1,470.88	203.23
26 28 16 16-0504 EA 60 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	2,186.24	265.55
26 28 16 16-0505 EA 100 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	4,069.46	346.84
26 28 16 16-0506 EA 200 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	5,611.21	450.72
26 28 16 16-0507 EA 400 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	11,833.90	564.52
26 28 16 16-0508 EA 600 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	14,681.55	904.59
<b>26 28 16 16-0509 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches</b> <small>(26 28 16 16-0487)</small>		
26 28 16 16-0510 EA 60 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	1,580.80	151.74
26 28 16 16-0511 EA 100 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	2,423.04	198.26
26 28 16 16-0512 EA 200 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	3,623.93	257.87
26 28 16 16-0513 EA 400 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	8,982.04	322.46
26 28 16 16-0514 EA 600 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	13,213.88	517.10
<b>26 28 16 16-0515 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches</b> <small>(26 28 16 16-0487)</small>		
26 28 16 16-0516 EA 60 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	1,701.65	212.26
26 28 16 16-0517 EA 100 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	2,581.43	277.74
26 28 16 16-0518 EA 200 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	3,829.96	361.29
26 28 16 16-0519 EA 400 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	9,240.19	451.62
26 28 16 16-0520 EA 600 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	13,626.57	722.59
<b>26 28 16 16-0521 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches</b> <small>(26 28 16 16-0487)</small>		
26 28 16 16-0522 EA 60 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	2,338.02	265.55
26 28 16 16-0523 EA 100 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	4,290.28	346.84
26 28 16 16-0524 EA 200 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	6,064.78	450.72



<b>Electrical</b>	<b>26</b>	<b>26</b>
Low-Voltage Electrical Distribution	26 20	
Low-Voltage Circuit Protective Devices	26 28	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0525 EA 400 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch ..... 12,803.21	12,803.21	564.52
26 28 16 16-0526 EA 600 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch ..... 15,769.39	15,769.39	904.59
<b>26 28 16 16-0527 NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 16-0486)</small></b>		
<b>26 28 16 16-0528 240 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 16-0527)</small></b>		
26 28 16 16-0529 EA 100 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch..... 2,449.89	2,449.89	198.26
26 28 16 16-0530 EA 200 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch..... 5,925.18	5,925.18	257.87
26 28 16 16-0531 EA 400 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch..... 20,218.60	20,218.60	322.46
26 28 16 16-0532 EA 600 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.... 34,882.93	34,882.93	517.10
<b>26 28 16 16-0533 240 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 16-0527)</small></b>		
26 28 16 16-0534 EA 100 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch..... 3,183.65	3,183.65	277.29
26 28 16 16-0535 EA 200 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch..... 5,275.71	5,275.71	360.84
26 28 16 16-0536 EA 400 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch..... 20,661.18	20,661.18	451.62
26 28 16 16-0537 EA 600 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.... 22,090.98	22,090.98	723.95
<b>26 28 16 16-0538 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 16-0527)</small></b>		
26 28 16 16-0539 EA 30 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch..... 3,168.04	3,168.04	203.32
26 28 16 16-0540 EA 60 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch..... 3,907.67	3,907.67	265.37
26 28 16 16-0541 EA 100 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch..... 5,520.33	5,520.33	346.75
26 28 16 16-0542 EA 200 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch..... 8,059.70	8,059.70	450.90
26 28 16 16-0543 EA 400 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.... 14,000.19	14,000.19	564.52
26 28 16 16-0544 EA 600 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.... 15,950.90	15,950.90	904.68
<b>26 28 16 16-0545 600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 16-0527)</small></b>		
26 28 16 16-0546 EA 60 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch..... 2,103.41	2,103.41	151.74
26 28 16 16-0547 EA 100 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch..... 3,252.39	3,252.39	198.26
26 28 16 16-0548 EA 200 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch..... 6,080.77	6,080.77	257.87
26 28 16 16-0549 EA 400 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.... 11,970.36	11,970.36	322.46
26 28 16 16-0550 EA 600 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.... 15,861.64	15,861.64	517.10
<b>26 28 16 16-0551 600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 16-0527)</small></b>		
26 28 16 16-0552 EA 60 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch..... 2,319.65	2,319.65	212.26
26 28 16 16-0553 EA 100 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch..... 3,561.42	3,561.42	277.29
26 28 16 16-0554 EA 200 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch..... 6,579.64	6,579.64	360.84
26 28 16 16-0555 EA 400 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.... 12,824.63	12,824.63	451.62
26 28 16 16-0556 EA 600 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.... 17,053.80	17,053.80	723.95
<b>26 28 16 16-0557 600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 16-0527)</small></b>		
26 28 16 16-0558 EA 60 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch..... 3,942.92	3,942.92	265.37
26 28 16 16-0559 EA 100 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch..... 5,536.49	5,536.49	346.75
26 28 16 16-0560 EA 200 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch..... 8,284.17	8,284.17	450.90
26 28 16 16-0561 EA 400 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.... 13,973.69	13,973.69	564.52
26 28 16 16-0562 EA 600 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.... 16,096.99	16,096.99	904.68
<b>26 28 16 16-0563 NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 16-0486)</small></b>		
<b>26 28 16 16-0564 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 16-0563)</small></b>		
26 28 16 16-0565 EA 30 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch ..... 2,607.93	2,607.93	116.15
26 28 16 16-0566 EA 60 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch ..... 2,922.99	2,922.99	151.65
26 28 16 16-0567 EA 100 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch ..... 3,266.04	3,266.04	198.17
26 28 16 16-0568 EA 200 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch ..... 4,512.53	4,512.53	257.69
26 28 16 16-0569 EA 400 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch ..... 8,679.12	8,679.12	322.55
26 28 16 16-0570 EA 600 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch .... 12,658.19	12,658.19	516.92
<b>26 28 16 16-0571 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 16-0563)</small></b>		
26 28 16 16-0572 EA 30 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch ..... 2,951.43	2,951.43	162.58
26 28 16 16-0573 EA 60 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch ..... 3,460.19	3,460.19	212.26
26 28 16 16-0574 EA 100 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch ..... 4,066.49	4,066.49	277.29
26 28 16 16-0575 EA 200 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch ..... 5,710.16	5,710.16	360.84
26 28 16 16-0576 EA 400 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch .... 10,728.21	10,728.21	451.62

<b>26</b>	<b>Electrical</b>
<b>26 20</b>	<b>Low-Voltage Electrical Distribution</b>
<b>26 28</b>	<b>Low-Voltage Circuit Protective Devices</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0577 EA 600 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch ...	13,978.60	723.95
<b>26 28 16 16-0578 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches</b> <small>(26 28 16 16-0563)</small>		
26 28 16 16-0579 EA 30 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch .....	4,471.86	203.32
26 28 16 16-0580 EA 60 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch .....	5,189.35	265.37
26 28 16 16-0581 EA 100 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch .....	7,141.30	346.75
26 28 16 16-0582 EA 200 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch .....	9,730.44	450.90
26 28 16 16-0583 EA 400 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch ...	18,435.58	564.52
26 28 16 16-0584 EA 600 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch ...	22,591.71	904.68
<b>26 28 16 16-0585 600 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches</b> <small>(26 28 16 16-0563)</small>		
26 28 16 16-0586 EA 60 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch .....	3,931.56	151.65
26 28 16 16-0587 EA 100 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch .....	4,073.96	198.17
26 28 16 16-0588 EA 200 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch .....	7,907.33	257.69
26 28 16 16-0589 EA 400 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch .....	12,316.77	322.55
26 28 16 16-0590 EA 600 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch ...	15,293.05	516.92
<b>26 28 16 16-0591 600 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches</b> <small>(26 28 16 16-0563)</small>		
26 28 16 16-0592 EA 60 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch .....	4,243.77	212.26
26 28 16 16-0593 EA 100 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch .....	4,426.08	277.29
26 28 16 16-0594 EA 200 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch .....	8,502.05	360.84
26 28 16 16-0595 EA 400 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch ...	12,316.18	451.62
26 28 16 16-0596 EA 600 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch ...	16,454.67	723.95
<b>26 28 16 16-0597 600 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches</b> <small>(26 28 16 16-0563)</small>		
26 28 16 16-0598 EA 60 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch .....	5,246.81	265.37
26 28 16 16-0599 EA 100 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch .....	7,565.14	346.75
26 28 16 16-0600 EA 200 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch .....	9,980.26	450.90
26 28 16 16-0601 EA 400 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch ...	18,973.31	564.52
26 28 16 16-0602 EA 600 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch ...	23,304.46	904.68
<b>26 28 16 16-0603 Removal And Reinstallation Of Disconnect Switches</b> <small>(26 28 16 16-0001)</small>		
Note: Includes storage and cleaning.		
26 28 16 16-0604 EA Removal And Reinstallation Of Up To 100 Amperes Safety Disconnect Switch .....	451.62	
26 28 16 16-0605 EA Removal And Reinstallation Of >100 To 200 Amperes Safety Disconnect Switch .....	587.13	
26 28 16 16-0606 EA Removal And Reinstallation Of >200 To 300 Amperes Safety Disconnect Switch .....	654.90	
26 28 16 16-0607 EA Removal And Reinstallation Of >300 To 400 Amperes Safety Disconnect Switch .....	767.80	
<b>26 28 16 16-0608 Bolted Contact Switches</b> <small>(26 28 16 16)</small>		
Note: Work includes mounting, material handling, uploading at job site and termination of all conductors entering and leaving the switch.		
<b>26 28 16 16-0609 Electrical Trip, Bolted Contact Switches</b> <small>(26 28 16 16-0608)</small>		
<b>26 28 16 16-0610 Top Feed, Electrical Trip, Bolted Contact Switches</b> <small>(26 28 16 16-0609)</small>		
26 28 16 16-0611 EA 800 Amperes, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB0833T120480) .....	9,416.50	903.24
26 28 16 16-0612 EA 1,200 Amperes, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB1233T120480) .....	10,104.29	1,083.89
26 28 16 16-0613 EA 1,600 Amperes, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB1633T120480) .....	10,923.94	1,264.53
26 28 16 16-0614 EA 2,000 Amperes, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB2033T120480) .....	11,442.22	1,445.18
26 28 16 16-0615 EA 2,500 Amperes, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB2533T120480) .....	12,927.44	1,625.82
26 28 16 16-0616 EA 3,000 Amperes, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB3033T120480) .....	16,409.34	1,806.48
26 28 16 16-0617 EA 4,000 Amperes, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB4033T120480) .....	22,343.41	2,167.77
<b>26 28 16 16-0618 Bottom Feed, Electrical Trip, Bolted Contact Switches</b> <small>(26 28 16 16-0609)</small>		
26 28 16 16-0619 EA 800 Amperes, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB0833B120480) .....	10,025.55	903.24
26 28 16 16-0620 EA 1,200 Amperes, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB1233B120480) .....	10,832.65	1,083.89
26 28 16 16-0621 EA 1,600 Amperes, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB1633B120480) .....	11,646.02	1,264.53
26 28 16 16-0622 EA 2,000 Amperes, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB2033B120480) .....	12,478.23	1,445.18
26 28 16 16-0623 EA 2,500 Amperes, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB2533B120480) .....	14,045.08	1,625.82
26 28 16 16-0624 EA 3,000 Amperes, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB3033B120480) .....	18,506.49	1,806.48
26 28 16 16-0625 EA 4,000 Amperes, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB4033B120480) .....	24,528.47	2,167.77
<b>26 28 16 16-0626 Manually Operated, Bolted Contact Switches</b> <small>(26 28 16 16-0608)</small>		
<b>26 28 16 16-0627 Top Feed, Manually Operated, Bolted Contact Switches</b> <small>(26 28 16 16-0626)</small>		
26 28 16 16-0628 EA 800 Amperes, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA0833T480) .....	6,678.90	903.24
26 28 16 16-0629 EA 1,200 Amperes, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA1233T480) .....	7,399.35	1,083.89
26 28 16 16-0630 EA 1,600 Amperes, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA1633T480) .....	8,171.28	1,264.53



<b>Electrical</b>	<b>26</b>	<b>26</b>
Low-Voltage Electrical Distribution	26 20	
Low-Voltage Circuit Protective Devices	26 28	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0631 EA 2,000 Amperes, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA2033T480).....	8,935.68	1,445.18
26 28 16 16-0632 EA 2,500 Amperes, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA2533T480).....	9,762.87	1,625.82
26 28 16 16-0633 EA 3,000 Amperes, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA3033T480).....	13,244.77	1,806.48
26 28 16 16-0634 EA 4,000 Amperes, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA4033T480).....	19,103.50	2,167.77

**26 28 16 16-0635**

**Bottom Feed, Manually Operated, Bolted Contact Switches** (26 28 16 16-0626)

26 28 16 16-0636 EA 800 Amperes, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA0833B480).....	7,082.01	903.24
26 28 16 16-0637 EA 1,200 Amperes, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA1233B480).....	8,008.40	1,083.89
26 28 16 16-0638 EA 1,600 Amperes, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA1633B480).....	8,761.49	1,264.53
26 28 16 16-0639 EA 2,000 Amperes, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA2033B480).....	9,715.52	1,445.18
26 28 16 16-0640 EA 2,500 Amperes, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA2533B480).....	10,742.38	1,625.82
26 28 16 16-0641 EA 3,000 Amperes, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA3033B480).....	15,184.95	1,806.48
26 28 16 16-0642 EA 4,000 Amperes, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA4033B480).....	21,137.86	2,167.77

**26 29 Low-Voltage Controllers** (26 20)

**26 29 13 Enclosed Controllers** (26 29)

**26 29 13 13 Across-The-Line Motor Controllers** (26 29 13)

**26 29 13 13-0001 Manual Motor Starters** (26 29 13 13)

**26 29 13 13-0002 Fractional HP Manual Motor Starters** (26 29 13 13-0001)

26 29 13 13-0003 EA NEMA 1, 1 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG1).....	197.52	45.26
<i>For Flush Cover Plate In Lieu Of NEMA 1, Deduct</i>	-2.97	
<i>For Oversized Enclosure, Add</i>	29.85	
<i>For Pilot Light, Add</i>	43.79	
26 29 13 13-0004 EA NEMA 1, 2 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG2).....	259.01	58.84
<i>For Flush Cover Plate In Lieu Of NEMA 1, Deduct</i>	-2.97	
<i>For Oversized Enclosure, Add</i>	29.85	
<i>For Pilot Light, Add</i>	43.79	
26 29 13 13-0005 EA NEMA 1, 1 Pole, Key Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG3).....	227.37	45.26
<i>For Flush Cover Plate In Lieu Of NEMA 1, Deduct</i>	-2.97	
<i>For Oversized Enclosure, Add</i>	29.85	
<i>For Pilot Light, Add</i>	43.79	
26 29 13 13-0006 EA NEMA 1, 2 Pole, Key Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG4).....	288.87	58.84
<i>For Flush Cover Plate In Lieu Of NEMA 1, Deduct</i>	-2.97	
<i>For Oversized Enclosure, Add</i>	29.85	
<i>For Pilot Light, Add</i>	43.79	
26 29 13 13-0007 EA NEMA 1, Handle Guard/Lockoff, 1 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG5).....	210.46	45.26
<i>For Oversized Enclosure, Add</i>	29.85	
26 29 13 13-0008 EA NEMA 1, Handle Guard/Lockoff, 2 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG6).....	275.93	58.84
<i>For Oversized Enclosure, Add</i>	29.85	
26 29 13 13-0009 EA NEMA 4, Handle Guard/Lockoff, 1 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FW1).....	448.49	54.31
<i>For Pilot Light, Add</i>	114.44	
26 29 13 13-0010 EA NEMA 4, Handle Guard/Lockoff, 2 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FW2).....	512.96	67.89
<i>For Pilot Light, Add</i>	114.44	
26 29 13 13-0011 EA NEMA 3R, 7 And 9, Handle Guard/Lockoff, 1 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FR1).....	478.34	54.31
26 29 13 13-0012 EA NEMA 3R, 7 And 9, Handle Guard/Lockoff, 2 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FR2).....	539.83	67.89

**26 29 13 13-0013 Non-Reversing Manual Motor Starters** (26 29 13 13-0001)

26 29 13 13-0014 EA NEMA 1, Non-Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG1).....	153.91	45.26
<i>Note: NEMA 1 or flush cover plate installation.</i>		
<i>For Oversize Enclosure, Add</i>	14.40	
<i>For Pilot Light, Add</i>	69.14	
26 29 13 13-0015 EA NEMA 1, Non-Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG2).....	260.76	58.84
<i>Note: NEMA 1 or flush cover plate installation.</i>		
<i>For Oversize Enclosure, Add</i>	14.40	
<i>For Pilot Light, Add</i>	69.14	
26 29 13 13-0016 EA NEMA 1, Non-Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 3 HP At 230 Volt, 7-1/2 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG5).....	174.47	49.79
<i>Note: NEMA 1 or flush cover plate installation.</i>		
<i>For Oversize Enclosure, Add</i>	14.40	
<i>For Pilot Light, Add</i>	69.14	
26 29 13 13-0017 EA NEMA 1, Non-Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 15 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG6).....	282.29	63.37
<i>Note: NEMA 1 or flush cover plate installation.</i>		
<i>For Oversize Enclosure, Add</i>	14.40	
<i>For Pilot Light, Add</i>	69.14	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0018 EA NEMA 1, Non-Reversing, 2 Pole, Key Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG3) .....	181.75	45.26
Note: NEMA 1 or flush cover plate installation.		
For Oversize Enclosure, Add	14.40	
For Pilot Light, Add	69.14	
26 29 13 13-0019 EA NEMA 1, Non-Reversing, 3 Pole, Key Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG4).....	289.56	58.84
Note: NEMA 1 or flush cover plate installation.		
For Oversize Enclosure, Add	14.40	
For Pilot Light, Add	69.14	
26 29 13 13-0020 EA NEMA 4, Non-Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KW1).....	410.15	54.31
For Pilot Light, Add	109.47	
26 29 13 13-0021 EA NEMA 4, Non-Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KW2).....	506.43	67.89
For Pilot Light, Add	109.47	
26 29 13 13-0022 EA NEMA 4, Non-Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 3 HP At 230 Volt, 7-1/2 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KW5).....	431.68	58.84
For Pilot Light, Add	109.47	
26 29 13 13-0023 EA NEMA 4, Non-Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 15 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KW6).....	525.10	72.41
For Pilot Light, Add	109.47	
26 29 13 13-0024 EA NEMA 3R, 7 And 9, Non-Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KR1).....	437.03	54.31
26 29 13 13-0025 EA NEMA 3R, 7 And 9, Non-Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KR2).....	541.00	67.89
26 29 13 13-0026 EA Open Type, Non-Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KO1).....	113.30	31.68
For Pilot Light, Add	69.14	
26 29 13 13-0027 EA Open Type, Non-Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KO2).....	220.16	45.26
For Pilot Light, Add	69.14	
26 29 13 13-0028 EA Open Type, Non-Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 3 HP At 230 Volt, 7-1/2 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KO5).....	133.87	36.21
For Pilot Light, Add	69.14	
26 29 13 13-0029 EA Open Type, Non-Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 15 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KO6).....	240.73	49.79
For Pilot Light, Add	69.14	
<b>26 29 13 13-0030 Reversing Manual Motor Starters (26 29 13 13-0001)</b>		
26 29 13 13-0031 EA NEMA 1, Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2511KG11) .....	438.53	81.47
For Pilot Light, Add	111.39	
26 29 13 13-0032 EA NEMA 1, Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2511KG22) .....	640.72	108.63
For Pilot Light, Add	111.39	
<b>26 29 13 13-0033 Two Speed Manual Motor Starters (26 29 13 13-0001)</b>		
26 29 13 13-0034 EA NEMA 1, Two Speed, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2512KG11) .....	438.53	81.47
26 29 13 13-0035 EA NEMA 1, Two Speed, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2512KG22).....	640.72	108.63
<b>26 29 13 13-0036 Non-Reversing Integral HP Manual Motor Starters (26 29 13 13-0001)</b>		
26 29 13 13-0037 EA NEMA 1, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBG1) .....	414.16	54.31
26 29 13 13-0038 EA NEMA 1, Non-Reversing Integral HP, 2 Pole, Toggle Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510TBG1) .....	414.16	54.31
26 29 13 13-0039 EA NEMA 4, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBW11).....	886.06	63.37
26 29 13 13-0040 EA NEMA 4X, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBW1) .....	886.06	63.37
26 29 13 13-0041 EA NEMA 7 And 9, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBR1) .....	1,168.68	63.37
26 29 13 13-0042 EA Type 12, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBA1).....	530.78	63.37
26 29 13 13-0043 EA Open, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBO1) .....	357.15	40.74
26 29 13 13-0044 EA NEMA 1, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCG1).....	494.86	58.84
26 29 13 13-0045 EA NEMA 1, Non-Reversing Integral HP, 2 Pole, Toggle Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510TCG1).....	494.86	58.84
26 29 13 13-0046 EA NEMA 4, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW11).....	1,065.28	67.89
26 29 13 13-0047 EA NEMA 4X, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW1).....	1,065.28	67.89
26 29 13 13-0048 EA NEMA 7 And 9, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCR1).....	1,369.80	67.89
26 29 13 13-0049 EA Type 12, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCA1).....	611.49	67.89





<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Low-Voltage Electrical Distribution</b>	<b>26 20</b>	
<b>Low-Voltage Controllers</b>	<b>26 29</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0050 EA Open, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCO1).....	437.86	45.26
26 29 13 13-0051 EA NEMA 1, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCG2).....	658.16	63.37
26 29 13 13-0052 EA NEMA 1, Non-Reversing Integral HP, 2 Pole, Toggle Operator, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510TCG2).....	658.16	63.37
26 29 13 13-0053 EA NEMA 4, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW12).....	1,271.38	72.41
26 29 13 13-0054 EA NEMA 4X, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW2).....	1,271.38	72.41
26 29 13 13-0055 EA NEMA 7 And 9, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCR2).....	1,562.96	72.41
26 29 13 13-0056 EA Type 12, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCA2).....	777.78	72.41
26 29 13 13-0057 EA Open, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCO2).....	604.14	49.79
26 29 13 13-0058 EA NEMA 1, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBG2).....	512.48	67.89
26 29 13 13-0059 EA NEMA 1, Non-Reversing Integral HP, 3 Pole, Toggle Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510TBG2).....	512.48	67.89
26 29 13 13-0060 EA NEMA 4, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBW12).....	984.37	76.95
26 29 13 13-0061 EA NEMA 4X, Non-Reversing Integral HP, 3 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBW2).....	984.37	76.95
26 29 13 13-0062 EA NEMA 7 And 9, Non-Reversing Integral HP, 3 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBR2).....	1,274.96	76.95
26 29 13 13-0063 EA Type 12, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBA2).....	630.09	76.95
26 29 13 13-0064 EA Open, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBO2).....	458.46	54.31
26 29 13 13-0065 EA NEMA 1, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCG3).....	593.19	72.41
26 29 13 13-0066 EA NEMA 1, Non-Reversing Integral HP, 3 Pole, Toggle Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510TCG3).....	593.19	72.41
26 29 13 13-0067 EA NEMA 4, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW13).....	1,163.60	81.47
26 29 13 13-0068 EA NEMA 4X, Non-Reversing Integral HP, 3 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW3).....	1,163.60	81.47
26 29 13 13-0069 EA NEMA 7 And 9, Non-Reversing Integral HP, 3 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCR3).....	1,475.09	81.47
26 29 13 13-0070 EA Type 12, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCA3).....	709.81	81.47
26 29 13 13-0071 EA Open, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCO3).....	536.17	58.84
<b>26 29 13 13-0072 Reversing Integral HP Manual Motor Starters (26 29 13 13-0001)</b>		
26 29 13 13-0073 EA NEMA 1, Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2511MBG1).....	1,233.55	95.05
26 29 13 13-0074 EA NEMA 1, Reversing Integral HP, 3 Pole, Toggle Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2511TBG1).....	1,233.55	95.05
26 29 13 13-0075 EA Open, Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2511MBO1).....	1,094.65	67.89
26 29 13 13-0076 EA NEMA 1, Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2511MCG1).....	1,463.62	104.10
26 29 13 13-0077 EA Open, Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2511MCO1).....	1,324.72	76.95
<b>26 29 13 13-0078 Two Speed Integral HP Manual Motor Starters (26 29 13 13-0001)</b>		
26 29 13 13-0079 EA NEMA 1, Two Speed Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2512MBG1).....	1,233.55	95.05
26 29 13 13-0080 EA Open, Two Speed Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2512MBO1).....	1,094.65	67.89
26 29 13 13-0081 EA NEMA 1, Two Speed Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2512MCG1).....	1,463.62	104.10
26 29 13 13-0082 EA Open, Two Speed Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2512MCO1).....	1,324.72	76.95
<b>26 29 13 13-0083 Magnetic Contactors/Starters (26 29 13 13)</b>		
<b>26 29 13 13-0084 Non-Reversing, Magnetic Contactors (26 29 13 13-0083)</b>		
<b>26 29 13 13-0085 Open Enclosure, Non-Reversing, Magnetic Contactors (26 29 13 13-0084)</b>		
26 29 13 13-0086 EA Size 00, 1 Phase, 2 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SAO11).....	466.65	90.53
26 29 13 13-0087 EA Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SAO12).....	526.56	99.57
26 29 13 13-0088 EA Size 0, 1 Phase, 1 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBO5).....	508.45	90.53
26 29 13 13-0089 EA Size 0, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBO1).....	569.35	99.57

**26 Electrical**  
**26 20 Low-Voltage Electrical Distribution**  
**26 29 Low-Voltage Controllers**



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0090 EA Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBO2)	629.25	108.63
26 29 13 13-0091 EA Size 0, 3 Phase, 4 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBO3)	796.02	135.78
26 29 13 13-0092 EA Size 0, 3 Phase, 5 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBO4)	1,006.57	162.94
26 29 13 13-0093 EA Size 1, 1 Phase, 1 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCO5)	596.22	99.57
26 29 13 13-0094 EA Size 1, 1 Phase, 2 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCO1)	656.12	108.63
26 29 13 13-0095 EA Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCO2)	718.01	117.68
26 29 13 13-0096 EA Size 1, 3 Phase, 4 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCO3)	912.93	158.42
26 29 13 13-0097 EA Size 1, 3 Phase, 5 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCO4)	1,122.49	185.57
26 29 13 13-0098 EA Size 2, 1 Phase, 2 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SDO1)	1,040.25	108.63
26 29 13 13-0099 EA Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SDO2)	1,149.30	135.78
26 29 13 13-0100 EA Size 2, 3 Phase, 4 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SDO3)	1,495.57	181.04
26 29 13 13-0101 EA Size 3, 1 Phase, 2 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SEO1)	1,575.23	135.78
26 29 13 13-0102 EA Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SEO2)	1,780.19	181.04
26 29 13 13-0103 EA Size 3, 3 Phase, 4 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SEO3)	2,266.79	226.30
26 29 13 13-0104 EA Size 3, 3 Phase, 5 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SEO4)	3,264.91	271.57
26 29 13 13-0105 EA Size 4, 1 Phase, 2 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SFO1)	3,599.32	226.30
26 29 13 13-0106 EA Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SFO2)	3,945.60	271.57
26 29 13 13-0107 EA Size 4, 3 Phase, 4 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SFO3)	5,367.64	316.83
26 29 13 13-0108 EA Size 5, 1 Phase, 2 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SGO1)	7,362.00	271.57
26 29 13 13-0109 EA Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SGO2)	8,139.14	362.08
26 29 13 13-0110 EA Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SHO2)	21,326.88	543.14
26 29 13 13-0111 EA Size 7, 3 Phase, 3 Pole, 300 HP At 230 Volt, 600 HP At 460/575 Volt, 810 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SJO2)	30,516.99	814.69
<b>26 29 13 13-0112 NEMA 1, Non-Reversing, Magnetic Contactors (26 29 13 13-0084)</b>		
26 29 13 13-0113 EA Size 00, 1 Phase, 2 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SAG11)	497.50	90.53
26 29 13 13-0114 EA Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SAG12)	557.41	99.57
26 29 13 13-0115 EA Size 0, 1 Phase, 1 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBG5)	539.30	90.53
26 29 13 13-0116 EA Size 0, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBG1)	601.20	99.57
26 29 13 13-0117 EA Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBG2)	661.09	108.63
26 29 13 13-0118 EA Size 0, 3 Phase, 4 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBG3)	829.86	135.78
26 29 13 13-0119 EA Size 0, 3 Phase, 5 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBG4)	1,041.40	162.94
26 29 13 13-0120 EA Size 1, 1 Phase, 1 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCG5)	629.06	99.57
26 29 13 13-0121 EA Size 1, 1 Phase, 2 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCG1)	690.95	108.63
26 29 13 13-0122 EA Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCG2)	750.85	117.68
26 29 13 13-0123 EA Size 1, 3 Phase, 4 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCG3)	946.77	158.42
26 29 13 13-0124 EA Size 1, 3 Phase, 5 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCG4)	1,155.33	185.57
26 29 13 13-0125 EA Size 2, 1 Phase, 2 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SDG1)	1,187.53	108.63
26 29 13 13-0126 EA Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SDG2)	1,297.58	135.78
26 29 13 13-0127 EA Size 2, 3 Phase, 4 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SDG3)	1,642.85	181.04
26 29 13 13-0128 EA Size 3, 1 Phase, 2 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SEG1)	1,864.83	135.78
26 29 13 13-0129 EA Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SEG2)	2,068.78	181.04
26 29 13 13-0130 EA Size 3, 3 Phase, 4 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SEG3)	2,556.38	226.30



<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Low-Voltage Electrical Distribution</b>	<b>26 20</b>	
<b>Low-Voltage Controllers</b>	<b>26 29</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0131 EA Size 4, 1 Phase, 2 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SFG1).....	4,199.40	226.30
26 29 13 13-0132 EA Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SFG2).....	4,545.69	271.57
26 29 13 13-0133 EA Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SGG2).....	9,232.82	362.08
26 29 13 13-0134 EA Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SHG2).....	26,136.50	543.14
26 29 13 13-0135 EA Size 7, 3 Phase, 3 Pole, 300 HP At 230 Volt, 600 HP At 460/575 Volt, 810 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SJG2).....	35,340.55	814.69
<b>26 29 13 13-0136 NEMA 12, Non-Reversing, Magnetic Contactors (26 29 13 13-0084)</b>		
26 29 13 13-0137 EA Size 0, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 12 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBA1).....	771.37	99.57
26 29 13 13-0138 EA Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 12 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBA2).....	831.27	108.63
26 29 13 13-0139 EA Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 12 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCA2).....	921.03	117.68
26 29 13 13-0140 EA Size 2, 1 Phase, 2 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 12 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SDA1).....	1,498.02	108.63
26 29 13 13-0141 EA Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 12 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SDA2).....	1,609.07	135.78
26 29 13 13-0142 EA Size 3, 1 Phase, 2 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 12 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SEA1).....	2,233.04	135.78
26 29 13 13-0143 EA Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 12 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SEA2).....	2,436.00	181.04
26 29 13 13-0144 EA Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 12 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SFA2).....	5,764.76	271.57
26 29 13 13-0145 EA Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, NEMA 12 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SGA2).....	12,352.66	362.08
26 29 13 13-0146 EA Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amperes, NEMA 12 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SHA2).....	29,961.91	543.14
<b>26 29 13 13-0147 NEMA 4/4X, Non-Reversing, Magnetic Contactors (26 29 13 13-0084)</b>		
Note: Brushed stainless steel enclosure.		
26 29 13 13-0148 EA Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 4/4X Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBW12).....	1,157.68	108.63
26 29 13 13-0149 EA Size 1, 1 Phase, 2 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 4/4X Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCW11).....	1,201.47	108.63
26 29 13 13-0150 EA Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 4/4X Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCW12).....	1,261.37	117.68
26 29 13 13-0151 EA Size 1, 3 Phase, 4 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 4/4X Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCW13).....	1,457.29	158.42
26 29 13 13-0152 EA Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 4/4X Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SDW12).....	2,318.62	135.78
26 29 13 13-0153 EA Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 4/4X Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SEW12).....	3,513.76	181.04
26 29 13 13-0154 EA Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 4/4X Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SFW12).....	7,012.69	271.57
26 29 13 13-0155 EA Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, NEMA 4/4X Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SGW12).....	12,352.66	362.08
26 29 13 13-0156 EA Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amperes, NEMA 4/4X Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SHW2).....	33,222.06	543.14
<b>26 29 13 13-0157 NEMA 7/9, Non-Reversing, Magnetic Contactors (26 29 13 13-0084)</b>		
Note: Bolted cast iron enclosure.		
26 29 13 13-0158 EA Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 7/9 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBT2).....	2,349.66	144.84
<b>26 29 13 13-0159 Non-Reversing, Magnetic Starters (26 29 13 13-0083)</b>		
<b>26 29 13 13-0160 Open Enclosure, Non-Reversing, Magnetic Starters (26 29 13 13-0159)</b>		
26 29 13 13-0161 EA Size 00, 1 Phase, 2 Pole, 3/4 HP At 115 Volt, 1 HP At 230 Volt, 9 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SAO11).....	565.17	90.53
26 29 13 13-0162 EA Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SAO12).....	583.28	99.57
26 29 13 13-0163 EA Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBO1).....	632.05	99.57
26 29 13 13-0164 EA Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBO2).....	699.90	108.63
26 29 13 13-0165 EA Size 0, 3 Phase, 5 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBO4).....	1,130.97	162.94
26 29 13 13-0166 EA Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCO1).....	721.80	108.63
26 29 13 13-0167 EA Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCO3).....	852.36	117.68
26 29 13 13-0168 EA Size 1, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 36 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCO2).....	894.16	117.68
26 29 13 13-0169 EA Size 2, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 45 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SDO6).....	1,130.81	108.63

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 29 Low-Voltage Controllers**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0170 EA Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SDO1).....	1,277.68	135.78
26 29 13 13-0171 EA Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SEO1).....	1,992.16	181.04
26 29 13 13-0172 EA Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SFO1).....	4,272.02	271.57
26 29 13 13-0173 EA Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SGO1).....	9,831.91	362.08
26 29 13 13-0174 EA Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SHO2).....	22,737.03	543.14
26 29 13 13-0175 EA Size 7, 3 Phase, 3 Pole, 300 HP At 230 Volt, 600 HP At 460/575 Volt, 810 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SJO2).....	32,738.20	814.69
<b>26 29 13 13-0176 NEMA 1, Non-Reversing, Magnetic Starters (26 29 13 13-0159)</b>		
26 29 13 13-0177 EA Size 00, 1 Phase, 2 Pole, .34 HP At 115 Volt, 1 HP At 230 Volt, 9 Amperes, NEMA 1 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SAG11).....	598.01	90.53
26 29 13 13-0178 EA Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amperes, NEMA 1 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SAG12).....	616.12	99.57
26 29 13 13-0179 EA Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, NEMA 1 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBG1).....	664.89	99.57
26 29 13 13-0180 EA Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 1 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBG2).....	732.74	108.63
26 29 13 13-0181 EA Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, NEMA 1 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCG1).....	753.64	108.63
26 29 13 13-0182 EA Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 1 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCG3).....	822.51	117.68
26 29 13 13-0183 EA Size 1, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 36 Amperes, NEMA 1 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCG2).....	927.99	117.68
26 29 13 13-0184 EA Size 2, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 45 Amperes, NEMA 1 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SDG6).....	1,279.09	108.63
26 29 13 13-0185 EA Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 1 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SDG1).....	1,425.96	135.78
26 29 13 13-0186 EA Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 1 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SEG1).....	2,281.75	181.04
26 29 13 13-0187 EA Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 1 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SFG1).....	4,872.10	271.57
26 29 13 13-0188 EA Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, NEMA 1 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SGG1).....	10,928.58	362.08
<b>26 29 13 13-0189 NEMA 12, Non-Reversing, Magnetic Starters (26 29 13 13-0159)</b>		
26 29 13 13-0190 EA Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, NEMA 12 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBA1).....	835.06	99.57
26 29 13 13-0191 EA Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 12 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBA2).....	902.92	108.63
26 29 13 13-0192 EA Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, NEMA 12 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCA1).....	923.82	108.63
26 29 13 13-0193 EA Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 12 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCA3).....	992.68	117.68
26 29 13 13-0194 EA Size 1, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 36 Amperes, NEMA 12 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCA2).....	1,098.17	117.68
26 29 13 13-0195 EA Size 2, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 45 Amperes, NEMA 12 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SDA6).....	1,590.57	108.63
26 29 13 13-0196 EA Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 12 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SDA1).....	1,736.45	135.78
26 29 13 13-0197 EA Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 12 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SEA1).....	2,648.96	181.04
26 29 13 13-0198 EA Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 12 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SFA1).....	6,090.18	271.57
26 29 13 13-0199 EA Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, NEMA 12 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SGA1).....	14,045.43	362.08
26 29 13 13-0200 EA Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amperes, NEMA 12 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SHA2).....	33,654.96	543.14
<b>26 29 13 13-0201 NEMA 3R, Non-Reversing, Magnetic Starters (26 29 13 13-0159)</b>		
26 29 13 13-0202 EA Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, NEMA 3R Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBH1).....	835.06	99.57
26 29 13 13-0203 EA Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 3R Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBH2).....	902.92	108.63
26 29 13 13-0204 EA Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, NEMA 3R Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCH1).....	923.82	108.63
26 29 13 13-0205 EA Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 3R Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCH3).....	992.68	117.68
26 29 13 13-0206 EA Size 1, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 36 Amperes, NEMA 3R Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCH2).....	1,098.17	117.68
26 29 13 13-0207 EA Size 2, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 45 Amperes, NEMA 3R Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SDH6).....	1,590.57	108.63
26 29 13 13-0208 EA Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 3R Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SDH1).....	1,736.45	135.78
26 29 13 13-0209 EA Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 3R Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SEH1).....	2,648.96	181.04



<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Low-Voltage Electrical Distribution</b>	<b>26 20</b>	
<b>Low-Voltage Controllers</b>	<b>26 29</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0210 EA Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 3R Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SFH1).....	6,090.18	271.57
<b>26 29 13 13-0211 NEMA 3R/4/4X/7/9, Non-Reversing, Magnetic Starters (26 29 13 13-0159)</b>		
Note: Bolted cast aluminum enclosure.		
26 29 13 13-0212 EA Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBT4) .....	2,447.37	153.88
26 29 13 13-0213 EA Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCR1) .....	3,026.56	153.88
26 29 13 13-0214 EA Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCR3).....	3,116.32	162.94
26 29 13 13-0215 EA Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SDR1).....	4,867.18	181.04
26 29 13 13-0216 EA Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SET43) .....	5,865.30	226.30
26 29 13 13-0217 EA Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SFT41).....	9,369.19	316.83
<b>26 29 13 13-0218 NEMA 4/4X, Non-Reversing, Magnetic Starters (26 29 13 13-0159)</b>		
Note: Brushed stainless steel enclosure.		
26 29 13 13-0219 EA Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, NEMA 4/4X Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBW11).....	1,160.48	99.57
26 29 13 13-0220 EA Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 4/4X Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBW12).....	1,229.33	108.63
26 29 13 13-0221 EA Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, NEMA 4/4X Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCW11).....	1,264.16	108.63
26 29 13 13-0222 EA Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 4/4X Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCW13).....	1,333.02	117.68
26 29 13 13-0223 EA Size 1, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 7-1/2 HP At 460/575 Volt, 36 Amperes, NEMA 4/4X Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCW12).....	1,438.51	117.68
26 29 13 13-0224 EA Size 2, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 45 Amperes, NEMA 4/4X Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SDW16).....	2,298.14	108.63
26 29 13 13-0225 EA Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 4/4X Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SEW11) .....	3,725.73	181.04
26 29 13 13-0226 EA Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 4/4X Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SFW11).....	7,337.12	271.57
26 29 13 13-0227 EA Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, NEMA 4/4X Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SGW11) .....	16,442.78	362.08
<b>26 29 13 13-0228 NEMA 4X, Non-Reversing, Magnetic Starters (26 29 13 13-0159)</b>		
Note: Glass polyester enclosure.		
26 29 13 13-0229 EA Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 4X Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SDW21).....	2,447.00	135.78
26 29 13 13-0230 EA Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 4X Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SEW21).....	4,567.64	181.04
26 29 13 13-0231 EA Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 4X Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SFW21) .....	9,036.86	271.57
<b>26 29 13 13-0232 NEMA 7/9, Non-Reversing, Magnetic Starters (26 29 13 13-0159)</b>		
Note: Bolted cast iron enclosure.		
26 29 13 13-0233 EA Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, NEMA 7/9 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBT1).....	2,370.56	144.84
26 29 13 13-0234 EA Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 7/9 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBT2).....	2,447.37	153.88
26 29 13 13-0235 EA Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, NEMA 7/9 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCT1).....	2,483.20	153.88
26 29 13 13-0236 EA Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 7/9 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCT3).....	2,556.04	162.94
26 29 13 13-0237 EA Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 36 Amperes, NEMA 7/9 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCT2).....	2,677.45	162.94
26 29 13 13-0238 EA Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 7/9 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SDT1) .....	3,967.56	181.04
<b>26 29 13 13-0239 Reversing, Magnetic Starters (26 29 13 13-0083)</b>		
<b>26 29 13 13-0240 Open Enclosure, Reversing, Magnetic Starters (26 29 13 13-0239)</b>		
26 29 13 13-0241 EA Size 00, 1 Phase, 3 Pole, 3/4 HP At 115 Volt, 1 HP At 230 Volt, 9 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SAO13).....	1,094.19	117.68
26 29 13 13-0242 EA Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SAO16).....	1,156.88	117.68
26 29 13 13-0243 EA Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBO1).....	1,282.46	126.73
26 29 13 13-0244 EA Size 0, 1 Phase, 3 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBO2).....	1,328.43	135.78
26 29 13 13-0245 EA Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBO10).....	1,363.26	135.78
26 29 13 13-0246 EA Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCO2).....	1,458.99	144.84

**26 Electrical**  
**26 20 Low-Voltage Electrical Distribution**  
**26 29 Low-Voltage Controllers**



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0247 EA Size 1, 1 Phase, 3 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCO3).....	1,516.00	158.42
26 29 13 13-0248 EA Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCO7).....	1,551.83	158.42
26 29 13 13-0249 EA Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SDO1).....	2,699.72	181.04
26 29 13 13-0250 EA Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SEO1).....	4,426.27	271.57
26 29 13 13-0251 EA Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230, 100 HP At 460/575 Volt, 135 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SFO1).....	10,298.59	407.35
26 29 13 13-0252 EA Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SGO1).....	19,306.70	543.14
26 29 13 13-0253 EA Size 7, 3 Phase, 3 Pole, 300 HP At 230 Volt, 600 HP At 460/575 Volt, 810 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SJO1).....	62,945.21	995.74
<b>26 29 13 13-0254 NEMA 1, Reversing, Magnetic Starters (26 29 13 13-0239)</b>		
26 29 13 13-0255 EA Size 00, 1 Phase, 2 Pole, 3/4 HP At 115 Volt, 1 HP At 230 Volt, 9 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SAG13).....	1,135.79	108.63
26 29 13 13-0256 EA Size 00, 1 Phase, 3 Pole, 3/4 HP At 115 Volt, 1 HP At 230 Volt, 9 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SAG15).....	1,183.75	117.68
26 29 13 13-0257 EA Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SAG16).....	1,219.58	117.68
26 29 13 13-0258 EA Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBG1).....	1,342.17	126.73
26 29 13 13-0259 EA Size 0, 1 Phase, 3 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBG2).....	1,390.13	135.78
26 29 13 13-0260 EA Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBG4).....	1,425.96	135.78
26 29 13 13-0261 EA Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCG2).....	1,548.55	144.84
26 29 13 13-0262 EA Size 1, 1 Phase, 3 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCG6).....	1,605.57	158.42
26 29 13 13-0263 EA Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCG8).....	1,641.39	158.42
26 29 13 13-0264 EA Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SDG2).....	2,932.59	181.04
26 29 13 13-0265 EA Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SEG2).....	4,829.31	271.57
26 29 13 13-0266 EA Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SFG3).....	11,038.99	407.35
<b>26 29 13 13-0267 NEMA 12, Reversing, Magnetic Starters (26 29 13 13-0239)</b>		
26 29 13 13-0268 EA Size 0, 1 Phase, 3 Pole, 3/4 HP At 115 Volt, 1 HP At 230 Volt, 18 Amperes, NEMA 12 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBA2).....	1,644.89	135.78
26 29 13 13-0269 EA Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 12 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBA4).....	1,680.72	135.78
26 29 13 13-0270 EA Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 12 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCA4).....	1,896.15	158.42
26 29 13 13-0271 EA Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 12 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SDA1).....	3,358.52	181.04
<b>26 29 13 13-0272 NEMA 4X, Reversing, Magnetic Starters (26 29 13 13-0239)</b>		
Note: Brushed stainless steel enclosure.		
26 29 13 13-0273 EA Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 4/4X Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBW14).....	2,076.80	135.78
26 29 13 13-0274 EA Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, NEMA 4/4X Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCW11).....	2,456.14	144.84
<b>26 29 13 13-0275 Magnetic Contactor/Starters Accessories (26 29 13 13-0083)</b>		
26 29 13 13-0276 EA NEMA 1 Enclosure Start/Stop Push Button Kit, Contactor/Starter Accessory (Square D 9999SA2).....	154.27	11.32
For Factory Installed Accessory, Deduct	-22.63	
26 29 13 13-0277 EA NEMA 12 Enclosure Start/Stop Push Button Kit, Contactor/Starter Accessory (Square D 9999SA3).....	266.62	11.32
For Factory Installed Accessory, Deduct	-22.63	
26 29 13 13-0278 EA NEMA 1 Enclosure Selector Switch Kit, Contactor/Starter Accessory (Square D 9999SC2).....	154.27	11.32
For Factory Installed Accessory, Deduct	-22.63	
26 29 13 13-0279 EA NEMA 12 Enclosure Selector Switch Kit, Contactor/Starter Accessory (Square D 9999SC8).....	266.62	11.32
For Factory Installed Accessory, Deduct	-22.63	
26 29 13 13-0280 EA NEMA 1 And 12 Enclosure Red Pilot Light Kit, Contactor/Starter Accessory (Square D 9999SP2R).....	266.62	11.32
For Factory Installed Accessory, Deduct	-22.63	
26 29 13 13-0281 EA Internal Non-Convertible Contact Block Kit, 1 Contact, Contactor/Starter Accessory (Square D 9999SX11).....	130.45	9.06
For Factory Installed Accessory, Deduct	-18.10	
26 29 13 13-0282 EA External Convertible Field Contact, 1 Contact, Contactor/Starter Accessory (Square D 9999SX6).....	115.70	9.06
For Factory Installed Accessory, Deduct	-18.10	
26 29 13 13-0283 EA External Convertible Field Contacts, 2 Contacts Or 1 Overlapping Contact, Contactor/Starter Accessory (Square D 9999SX8).....	154.27	11.32
For Factory Installed Accessory, Deduct	-22.63	
26 29 13 13-0284 EA External Field Non-Convertible Contact, 1 Contact, Contactor/Starter Accessory (Square D 9999SX13).....	130.45	9.06
For Factory Installed Accessory, Deduct	-18.10	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0285 EA External Field Non-Convertible Contacts, 2 Contacts Or 1 Overlapping Contact, Contactor/Starter Accessory (Square D 9999SX15).....	174.70	11.32
<i>For Factory Installed Accessory, Deduct</i>	-22.63	
26 29 13 13-0286 EA 30 Amperes, 1 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB6).....	197.40	9.06
<i>For Factory Installed Accessory, Deduct</i>	-18.10	
26 29 13 13-0287 EA 45 Amperes, 1 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB11).....	343.80	9.06
<i>For Factory Installed Accessory, Deduct</i>	-18.10	
26 29 13 13-0288 EA 60 Amperes, 1 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB21).....	365.36	9.06
<i>For Factory Installed Accessory, Deduct</i>	-18.10	
26 29 13 13-0289 EA 30 Amperes, 2 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB8).....	436.84	11.32
<i>For Factory Installed Accessory, Deduct</i>	-22.63	
26 29 13 13-0290 EA 45 Amperes, 2 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB13).....	767.08	11.32
<i>For Factory Installed Accessory, Deduct</i>	-22.63	
26 29 13 13-0291 EA 60 Amperes, 2 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB23).....	767.08	11.32
<i>For Factory Installed Accessory, Deduct</i>	-22.63	
26 29 13 13-0292 EA Adapter Bracket For Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SBT1).....	43.21	6.79
<i>For Factory Installed Accessory, Deduct</i>	-13.58	
26 29 13 13-0293 EA 1 Pole Control Circuit Fuse Holder, Contactor/Starter Accessory (Square D 9999SF3).....	90.73	9.06
<i>For Factory Installed Accessory, Deduct</i>	-18.10	
26 29 13 13-0294 EA 2 Pole Control Circuit Fuse Holder, Contactor/Starter Accessory (Square D 9999SF4).....	120.23	11.32
<i>For Factory Installed Accessory, Deduct</i>	-22.63	
26 29 13 13-0295 EA Transient Suppression Module, Contactor/Starter Accessory (Square D 9999ST1).....	92.99	11.32
<i>For Factory Installed Accessory, Deduct</i>	-22.63	
26 29 13 13-0296 EA Terminal Block, Contactor/Starter Accessory (Square D 9999T7).....	51.38	6.79
<i>For Factory Installed Accessory, Deduct</i>	-13.58	
26 29 13 13-0297 EA Closing Plate For NEMA 1 Enclosures, Contactor/Starter Accessory (Square D 9999SG1).....	29.82	6.79
<i>For Factory Installed Accessory, Deduct</i>	-13.58	
26 29 13 13-0298 EA 1 Pole Disconnect Switch And Breaker Interlock, Contactor/Starter Accessory (Square D 9999R39).....	171.30	9.06
<i>For Factory Installed Accessory, Deduct</i>	-18.10	
26 29 13 13-0299 EA 2 Pole Disconnect Switch And Breaker Interlock, Contactor/Starter Accessory (Square D 9999R40).....	298.39	11.32
<i>For Factory Installed Accessory, Deduct</i>	-22.63	
<b>26 29 13 13-0300 Definite Purpose Starters (26 29 13 13)</b>		
<b>26 29 13 13-0301 Open Enclosure, Definite Purpose Starter (26 29 13 13-0300)</b>		
26 29 13 13-0302 EA Open Enclosure, 3 Phase, 3 Pole, 3 HP At 230 Volt, 5 HP At 460/575 Volt, 20 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO13).....	512.81	108.63
<i>For Factory Installed Accessory, Deduct</i>	-217.25	
26 29 13 13-0303 EA Open Enclosure, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 25 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO22).....	511.82	108.63
<i>For Factory Installed Accessory, Deduct</i>	-217.25	
26 29 13 13-0304 EA Open Enclosure, 3 Phase, 3 Pole, 7.5 HP At 230 Volt, 10 HP At 460/575 Volt, 25 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO23).....	553.81	117.68
<i>For Factory Installed Accessory, Deduct</i>	-235.36	
26 29 13 13-0305 EA Open Enclosure, 1 Phase, 2 Pole, 2 HP At 115 Volt, 5 HP At 230 Volt, 30 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO32).....	548.64	108.63
<i>For Factory Installed Accessory, Deduct</i>	-217.25	
26 29 13 13-0306 EA Open Enclosure, 3 Phase, 3 Pole, 10 HP At 230 Volt, 15 HP At 460/575 Volt, 30 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO33).....	596.60	117.68
<i>For Factory Installed Accessory, Deduct</i>	-235.36	
26 29 13 13-0307 EA Open Enclosure, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 40 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO42).....	580.48	108.63
<i>For Factory Installed Accessory, Deduct</i>	-217.25	
26 29 13 13-0308 EA Open Enclosure, 3 Phase, 3 Pole, 10 HP At 230 Volt, 20 HP At 460/575 Volt, 40 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO43).....	668.64	135.78
<i>For Factory Installed Accessory, Deduct</i>	-271.57	
26 29 13 13-0309 EA Open Enclosure, 1 Phase, 2 Pole, 3 HP At 115 Volt, 10 HP At 230 Volt, 50 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO52).....	751.24	135.78
<i>For Factory Installed Accessory, Deduct</i>	-271.57	
26 29 13 13-0310 EA Open Enclosure, 3 Phase, 3 Pole, 15 HP At 230 Volt, 30 HP At 460/575 Volt, 50 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO53).....	951.74	158.42
<i>For Factory Installed Accessory, Deduct</i>	-316.83	
<b>26 29 13 13-0311 NEMA 1, Definite Purpose Starter (26 29 13 13-0300)</b>		
26 29 13 13-0312 EA NEMA 1, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 20 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG12).....	529.54	99.57
<i>For Factory Installed Accessory, Deduct</i>	-199.15	
26 29 13 13-0313 EA NEMA 1, 3 Phase, 3 Pole, 3 HP At 230 Volt, 5 HP At 460/575 Volt, 20 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG13).....	571.53	108.63
<i>For Factory Installed Accessory, Deduct</i>	-217.25	
26 29 13 13-0314 EA NEMA 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 25 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG22).....	569.54	108.63
<i>For Factory Installed Accessory, Deduct</i>	-217.25	
26 29 13 13-0315 EA NEMA 1, 3 Phase, 3 Pole, 7.5 HP At 230 Volt, 10 HP At 460/575 Volt, 25 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG23).....	614.52	117.68
<i>For Factory Installed Accessory, Deduct</i>	-235.36	
26 29 13 13-0316 EA NEMA 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 5 HP At 230 Volt, 30 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG32).....	607.35	108.63
<i>For Factory Installed Accessory, Deduct</i>	-217.25	
26 29 13 13-0317 EA NEMA 1, 3 Phase, 3 Pole, 10 HP At 230 Volt, 15 HP At 460/575 Volt, 30 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG33).....	656.31	117.68
<i>For Factory Installed Accessory, Deduct</i>	-235.36	

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 29 Low-Voltage Controllers**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0318 EA NEMA 1, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 40 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG42).....	641.19	108.63
<i>For Factory Installed Accessory, Deduct</i> .....	-217.25	
26 29 13 13-0319 EA NEMA 1, 3 Phase, 3 Pole, 10 HP At 230 Volt, 20 HP At 460/575 Volt, 40 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG43).....	728.35	135.78
<i>For Factory Installed Accessory, Deduct</i> .....	-271.57	
26 29 13 13-0320 EA NEMA 1, 1 Phase, 2 Pole, 3 HP At 115 Volt, 10 HP At 230 Volt, 50 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG52).....	807.96	135.78
<i>For Factory Installed Accessory, Deduct</i> .....	-271.57	
26 29 13 13-0321 EA NEMA 1, 3 Phase, 3 Pole, 15 HP At 230 Volt, 30 HP At 460/575 Volt, 50 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG53).....	1,009.46	158.42
<i>For Factory Installed Accessory, Deduct</i> .....	-316.83	
<b>26 29 13 13-0322 Definite Purpose Starter Accessory</b> <small>(26 29 13 13-0300)</small>		
26 29 13 13-0323 EA Start-Stop Push Button Kit, Definite Purpose Starter Accessory.....	174.70	11.32
Note: Or Hand-Off-Auto Selector Switch Kit <i>For Factory Installed Accessory, Deduct</i> .....	-22.63	
<b>26 29 13 13-0324 Panel Mounted Miniature Contactor</b> <small>(26 29 13 13)</small>		
<b>26 29 13 13-0325 Non-Reversing, Panel Mounted Miniature Contactor</b> <small>(26 29 13 13-0324)</small>		
26 29 13 13-0326 EA 3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amperes, 15 Amperes, AC Coil, Non-Reversing, Panel Mounted Miniature Contactor (Square D LC1K).....	147.25	45.26
26 29 13 13-0327 EA 3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amperes, 20 Amperes, AC Coil, Non-Reversing, Panel Mounted Miniature Contactor (Square D LC1K).....	174.21	49.79
26 29 13 13-0328 EA 3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amperes, 20 Amperes, AC Coil, Non-Reversing, Panel Mounted Miniature Contactor (Square D LC1K).....	174.21	49.79
26 29 13 13-0329 EA 3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amperes, 20 Amperes, AC Coil, Non-Reversing, Panel Mounted Miniature Contactor (Square D LC1K).....	194.21	54.31
26 29 13 13-0330 EA 3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amperes, 15 Amperes, DC Coil, Non-Reversing, Panel Mounted Miniature Contactor (Square D LP1K).....	165.17	45.26
26 29 13 13-0331 EA 3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amperes, 15 Amperes, DC Coil With Integral Suppression, Non-Reversing, Panel Mounted Miniature Contactor (Square D LP1K).....	175.12	45.26
26 29 13 13-0332 EA 3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Coil, Non-Reversing, Panel Mounted Miniature Contactor (Square D LP1K).....	191.13	49.79
26 29 13 13-0333 EA 3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Coil With Integral Suppression, Non-Reversing, Panel Mounted Miniature Contactor (Square D LP1K).....	201.08	49.79
26 29 13 13-0334 EA 3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Coil, Non-Reversing, Panel Mounted Miniature Contactor (Square D LP1K).....	197.10	49.79
26 29 13 13-0335 EA 3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Coil With Integral Suppression, Non-Reversing, Panel Mounted Miniature Contactor (Square D LP1K).....	201.08	49.79
26 29 13 13-0336 EA 3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 12 Amperes, 20 Amperes, DC Coil, Non-Reversing, Panel Mounted Miniature Contactor (Square D LP1K).....	214.12	54.31
26 29 13 13-0337 EA 3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Coil With Integral Suppression, Non-Reversing, Panel Mounted Miniature Contactor (Square D LP1K).....	207.05	49.79
26 29 13 13-0338 EA 3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amperes, 20 Amperes, DC Coil With Integral Suppression, Non-Reversing, Panel Mounted Miniature Contactor (Square D LP1K).....	224.07	54.31
26 29 13 13-0339 EA 3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Low Consumption Coil With Integral Suppression, Non-Reversing, Panel Mounted Miniature Contactor (Square D LP4K).....	209.04	49.79
26 29 13 13-0340 EA 3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Low Consumption Coil With Integral Suppression, Non-Reversing, Panel Mounted Miniature Contactor (Square D LP4K).....	209.04	49.79
26 29 13 13-0341 EA 3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amperes, 20 Amperes, DC Low Consumption Coil With Integral Suppression, Non-Reversing, Panel Mounted Miniature Contactor (Square D LP4K).....	234.02	54.31
26 29 13 13-0342 EA 3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 12 Amperes, 20 Amperes, DC Low Consumption Coil With Integral Suppression, Non-Reversing, Panel Mounted Miniature Contactor (Square D LP4K).....	234.02	54.31
<b>26 29 13 13-0343 Reversing, Panel Mounted Miniature Contactor</b> <small>(26 29 13 13-0324)</small>		
26 29 13 13-0344 EA 3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amperes, 15 Amperes, AC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LC2K).....	219.90	45.26
26 29 13 13-0345 EA 3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amperes, 15 Amperes, AC Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LC2K).....	239.80	45.26





<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Low-Voltage Electrical Distribution</b>	<b>26 20</b>	
<b>Low-Voltage Controllers</b>	<b>26 29</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0346 EA 3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amperes, 20 Amperes, AC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LC2K).....	265.76	49.79
26 29 13 13-0347 EA 3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amperes, 20 Amperes, AC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LC2K).....	265.76	49.79
26 29 13 13-0348 EA 3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amperes, 20 Amperes, AC Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LC2K).....	285.67	49.79
26 29 13 13-0349 EA 3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amperes, 20 Amperes, AC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LC2K).....	298.71	54.31
26 29 13 13-0350 EA 3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 12 Amperes, 20 Amperes, AC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LC2K).....	298.71	54.31
26 29 13 13-0351 EA 3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amperes, 15 Amperes, DC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LP2K).....	256.72	45.26
26 29 13 13-0352 EA 3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amperes, 15 Amperes, DC Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP2K).....	276.63	45.26
26 29 13 13-0353 EA 3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LP2K).....	300.59	49.79
26 29 13 13-0354 EA 3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP2K).....	320.50	49.79
26 29 13 13-0355 EA 3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amperes, 20 Amperes, DC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LP2K).....	339.51	54.31
26 29 13 13-0356 EA 3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amperes, 20 Amperes, DC Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP2K).....	359.41	54.31
26 29 13 13-0357 EA 3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Low Consumption Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP5K).....	289.65	49.79
26 29 13 13-0358 EA 3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Low Consumption Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP5K).....	336.42	49.79
26 29 13 13-0359 EA 3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amperes, 20 Amperes, DC Low Consumption Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP5K).....	381.30	54.31
<b>26 29 13 13-0360 Panel Mounted Miniature Contactor Accessories (26 29 13 13-0324)</b>		
26 29 13 13-0361 EA 2 Auxiliary Contacts, 10 Amperes, Panel Mounted Miniature Contactor Accessory (Square D LA1KN02).....	60.89	22.63
26 29 13 13-0362 EA 4 Auxiliary Contacts, 10 Amperes, Panel Mounted Miniature Contactor Accessory (Square D LA1KN40).....	68.57	22.63
26 29 13 13-0363 EA Electronic Time Delay Contact, 2 Amperes, Panel Mounted Miniature Contactor Accessory (Square D LA2KT2U).....	82.48	22.63
26 29 13 13-0364 EA Overload Relay, Panel Mounted Miniature Contactor Accessory (Square D LR2K0301).....	110.16	22.63
<b>26 29 13 13-0365 Reduced Voltage Auto Transformer Type 240-600 Volt, 3 Pole (26 29 13 13)</b>		
<b>26 29 13 13-0366 NEMA 1 Enclosure (26 29 13 13-0365)</b>		
26 29 13 13-0367 EA Reduced Voltage Auto Transformer Starter, Size 3, 50 HP, NEMA 1, 240 - 600 Volt, 3 Pole, Non-Reversing.....	6,870.06	433.56
For NEMA 4, Add	748.07	
26 29 13 13-0368 EA Reduced Voltage Auto Transformer Starter, Size 4, 100 HP, NEMA 1, 240 - 600 Volt, 3 Pole, Non-Reversing.....	12,089.16	578.07
For NEMA 4, Add	1,366.40	
26 29 13 13-0369 EA Reduced Voltage Auto Transformer Starter, Size 5, 200 HP, NEMA 1, 240 - 600 Volt, 3 Pole, Non-Reversing.....	21,319.59	686.46
For NEMA 4, Add	2,493.88	
26 29 13 13-0370 EA Reduced Voltage Auto Transformer Starter, Size 6, 300 HP, NEMA 1, 240 - 600 Volt, 3 Pole, Non-Reversing.....	52,386.04	840.01
For NEMA 4, Add	6,339.17	
26 29 13 13-0371 EA Reduced Voltage Auto Transformer Starter, Size 7, 600 HP, NEMA 1, 240 - 600 Volt, 3 Pole, Non-Reversing.....	83,701.55	1,074.85
For NEMA 4, Add	10,193.87	
<b>26 29 13 13-0372 NEMA 12 Enclosure (26 29 13 13-0365)</b>		
26 29 13 13-0373 EA Reduced Voltage Auto Transformer Starter, Size 3, 50 HP, NEMA 12, 240 - 600 Volt, 3 Pole, Non-Reversing.....	6,820.21	442.76
26 29 13 13-0374 EA Reduced Voltage Auto Transformer Starter, Size 4, 100 HP, NEMA 12, 240 - 600 Volt, 3 Pole, Non-Reversing.....	11,998.11	578.98
26 29 13 13-0375 EA Reduced Voltage Auto Transformer Starter, Size 5, 200 HP, NEMA 12, 240 - 600 Volt, 3 Pole, Non-Reversing.....	21,153.41	684.29
26 29 13 13-0376 EA Reduced Voltage Auto Transformer Starter, Size 6, 300 HP, NEMA 12, 240 - 600 Volt, 3 Pole, Non-Reversing.....	51,963.63	836.31
26 29 13 13-0377 EA Reduced Voltage Auto Transformer Starter, Size 7, 600 HP, NEMA 12, 240 - 600 Volt, 3 Pole, Non-Reversing.....	83,022.28	1,075.30
<b>26 29 13 13-0378 Factory Modifications Pilot Devices (26 29 13 13-0365)</b>		
26 29 13 13-0379 EA Start-Stop Push-button, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device.....	176.25	
26 29 13 13-0380 EA H-O-A Select Switch, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device.....	194.38	
26 29 13 13-0381 EA Forward-Reverse-Stop, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device.....	330.87	
26 29 13 13-0382 EA Pilot Light, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device.....	179.77	

**26 Electrical**  
**26 20 Low-Voltage Electrical Distribution**  
**26 29 Low-Voltage Controllers**



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0383	EA	Fused Control Circuit, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device.....	258.49	
26 29 13 13-0384	EA	Auxiliary Interlock, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device.....	129.25	
26 29 13 13-0385	EA	Auxiliary Relay, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device.....	421.85	
<b>26 29 13 13-0386</b>		<b>Factory Modifications Meters</b> <small>(26 29 13 13-0365)</small>		
26 29 13 13-0387	EA	Ammeter And Switch, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Meter .....	1,695.72	
26 29 13 13-0388	EA	Voltmeter, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Meter .....	1,637.83	
26 29 13 13-0389	EA	Wattmeter, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Meter .....	579.03	
26 29 13 13-0390	EA	Elapsed-time Meter, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Meter .....	479.78	
<b>26 29 13 13-0391</b>		<b>Factory Modifications Main Circuit Breakers</b> <small>(26 29 13 13-0365)</small>		
26 29 13 13-0392	EA	Reduced Voltage Auto Transformer Starter, Size 3, Circuit Breaker, Factory Modification Main Circuit Breaker .....	2,241.14	
26 29 13 13-0393	EA	Reduced Voltage Auto Transformer Starter, Size 4, Circuit Breaker, Factory Modification Main Circuit Breaker .....	4,098.78	
26 29 13 13-0394	EA	Reduced Voltage Auto Transformer Starter, Size 5-7, Circuit Breaker, Factory Modification Main Circuit Breaker .....	8,718.50	
<b>26 29 13 13-0395</b>		<b>Factory Modifications Addition</b> <small>(26 29 13 13-0365)</small> Note: For reversing service auto transformer type.		
26 29 13 13-0396	EA	Reduced Voltage Auto Transformer Starter, Size 3, Factory Modification For Reversing Type 240 - 600 Volt, 3 Phase .....	376.38	
26 29 13 13-0397	EA	Reduced Voltage Auto Transformer Starter, Size 4, Factory Modification For Reversing Type 240 - 600 Volt, 3 Phase .....	376.38	
26 29 13 13-0398	EA	Reduced Voltage Auto Transformer Starter, Size 5, Factory Modification For Reversing Type 240 - 600 Volt, 3 Phase .....	376.38	
26 29 13 13-0399	EA	Reduced Voltage Auto Transformer Starter, Size 6, 7, Factory Modification For Reversing Type 240 - 600 Volt, 3 Phase .....	376.38	
<b>26 29 13 13-0400</b>		<b>Combination Starters Non-Reversing</b> <small>(26 29 13 13)</small>		
<b>26 29 13 13-0401</b>		<b>240-600 Volt, 3-Pole</b> <small>(26 29 13 13-0400)</small>		
<b>26 29 13 13-0402</b>		<b>NEMA 1 With Disconnect Switch</b> <small>(26 29 13 13-0401)</small>		
26 29 13 13-0403	EA	Combination Starter, Size 0, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase .....	1,441.76	207.75
		<i>For Electronic Overloads, Add</i>	194.48	
26 29 13 13-0404	EA	Combination Starter, Size 1, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase .....	1,734.37	325.16
		<i>For Electronic Overloads, Add</i>	205.17	
26 29 13 13-0405	EA	Combination Starter, Size 2, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase .....	2,462.45	379.36
		<i>For Electronic Overloads, Add</i>	324.85	
26 29 13 13-0406	EA	Combination Starter, Size 3, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase .....	3,786.72	469.68
		<i>For Electronic Overloads, Add</i>	540.71	
26 29 13 13-0407	EA	Combination Starter, Size 4, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase .....	6,994.62	749.68
		<i>For Electronic Overloads, Add</i>	1,042.95	
26 29 13 13-0408	EA	Combination Starter, Size 5, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase .....	14,206.24	939.37
		<i>For Electronic Overloads, Add</i>	2,341.66	
<b>26 29 13 13-0409</b>		<b>NEMA 1 With Circuit Breaker</b> <small>(26 29 13 13-0401)</small>		
26 29 13 13-0410	EA	Combination Starter, Size 0, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase .....	1,846.71	207.75
		<i>For Electronic Overloads, Add</i>	271.42	
26 29 13 13-0411	EA	Combination Starter, Size 1, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase .....	2,139.31	325.16
		<i>For Electronic Overloads, Add</i>	282.11	
26 29 13 13-0412	EA	Combination Starter, Size 2, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase .....	2,856.14	379.36
		<i>For Electronic Overloads, Add</i>	399.66	
26 29 13 13-0413	EA	Combination Starter, Size 3, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase .....	4,000.44	469.68
		<i>For Electronic Overloads, Add</i>	581.32	
26 29 13 13-0414	EA	Combination Starter, Size 4, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase .....	8,220.70	749.68
		<i>For Electronic Overloads, Add</i>	1,275.91	
26 29 13 13-0415	EA	Combination Starter, Size 5, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase .....	17,457.03	939.37
		<i>For Electronic Overloads, Add</i>	2,959.31	
<b>26 29 13 13-0416</b>		<b>Factory Modifications For NEMA 1 Enclosure</b> <small>(26 29 13 13-0401)</small>		
26 29 13 13-0417	EA	Start-Stop Push-button, Factory Modifications - NEMA 1 Combination Motor Starter, 240 - 600 Volt.....	184.41	
26 29 13 13-0418	EA	H-O-A Select Switch, Factory Modifications - NEMA 1 Combination Motor Starter, 240 - 600 Volt.....	433.13	
26 29 13 13-0419	EA	Pilot Light, Factory Modifications - NEMA 1 Combination Motor Starter, 240 - 600 Volt.....	298.93	
<b>26 29 13 13-0420</b>		<b>NEMA 4 With Disconnect Switch</b> <small>(26 29 13 13-0401)</small>		
26 29 13 13-0421	EA	Combination Starter, Size 0, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase .....	2,661.00	270.97
		<i>For Electronic Overloads, Add</i>	399.66	
26 29 13 13-0422	EA	Combination Starter, Size 1, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase .....	2,912.38	379.36
		<i>For Electronic Overloads, Add</i>	410.34	
26 29 13 13-0423	EA	Combination Starter, Size 2, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase .....	4,210.85	415.49
		<i>For Electronic Overloads, Add</i>	641.16	



<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Low-Voltage Electrical Distribution</b>	<b>26 20</b>	
<b>Low-Voltage Controllers</b>	<b>26 29</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0424 EA Combination Starter, Size 3, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase ..... <i>For Electronic Overloads, Add</i>	6,751.53 1,092.11	505.81
26 29 13 13-0425 EA Combination Starter, Size 4, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase ..... <i>For Electronic Overloads, Add</i>	10,706.60 1,748.23	749.68
26 29 13 13-0426 EA Combination Starter, Size 5, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase ..... <i>For Electronic Overloads, Add</i>	23,677.40 4,141.18	939.37
<b>26 29 13 13-0427 NEMA 4 With Circuit Breaker</b> <small>(26 29 13 13-0401)</small>		
26 29 13 13-0428 EA Combination Starter, Size 0, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase ..... <i>For Electronic Overloads, Add</i>	3,065.94 476.59	270.97
26 29 13 13-0429 EA Combination Starter, Size 1, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase ..... <i>For Electronic Overloads, Add</i>	3,317.33 487.28	379.36
26 29 13 13-0430 EA Combination Starter, Size 2, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase ..... <i>For Electronic Overloads, Add</i>	4,604.55 715.96	415.49
26 29 13 13-0431 EA Combination Starter, Size 3, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase ..... <i>For Electronic Overloads, Add</i>	6,965.25 1,132.71	505.81
26 29 13 13-0432 EA Combination Starter, Size 4, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase ..... <i>For Electronic Overloads, Add</i>	11,932.67 1,981.18	749.68
26 29 13 13-0433 EA Combination Starter, Size 5, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase ..... <i>For Electronic Overloads, Add</i>	22,406.33 3,899.67	939.37
<b>26 29 13 13-0434 Factory Modifications For NEMA 4 Enclosure</b> <small>(26 29 13 13-0401)</small>		
26 29 13 13-0435 EA Start-Stop Push-button, Factory Modifications - NEMA 4 Combination Motor Starter, 240 - 600 Volt .....	184.43	
26 29 13 13-0436 EA H-O-A Select Switch, Factory Modifications - NEMA 4 Combination Motor Starter, 240 - 600 Volt .....	433.13	
26 29 13 13-0437 EA Pilot Light, Factory Modifications - NEMA 4 Combination Motor Starter, 240 - 600 Volt.....	298.93	
<b>26 29 13 13-0438 NEMA 12 With Disconnect Switch</b> <small>(26 29 13 13-0401)</small>		
26 29 13 13-0439 EA Combination Starter, Size 0, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase ..... <i>For Electronic Overloads, Add</i>	1,492.94 204.21	209.10
26 29 13 13-0440 EA Combination Starter, Size 1, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase ..... <i>For Electronic Overloads, Add</i>	1,788.36 215.43	327.24
26 29 13 13-0441 EA Combination Starter, Size 2, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase ..... <i>For Electronic Overloads, Add</i>	2,547.93 341.10	376.38
26 29 13 13-0442 EA Combination Starter, Size 3, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase ..... <i>For Electronic Overloads, Add</i>	3,929.00 567.74	470.41
26 29 13 13-0443 EA Combination Starter, Size 4, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase ..... <i>For Electronic Overloads, Add</i>	7,269.08 1,095.10	752.75
26 29 13 13-0444 EA Combination Starter, Size 5, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase ..... <i>For Electronic Overloads, Add</i>	14,822.45 2,458.73	940.81
<b>26 29 13 13-0445 NEMA 12 With Circuit Breaker</b> <small>(26 29 13 13-0401)</small>		
26 29 13 13-0446 EA Combination Starter, Size 0, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase ..... <i>For Electronic Overloads, Add</i>	1,976.47 296.08	209.10
26 29 13 13-0447 EA Combination Starter, Size 1, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase ..... <i>For Electronic Overloads, Add</i>	2,274.18 307.74	327.24
26 29 13 13-0448 EA Combination Starter, Size 2, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase ..... <i>For Electronic Overloads, Add</i>	3,047.22 435.96	376.38
26 29 13 13-0449 EA Combination Starter, Size 3, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase ..... <i>For Electronic Overloads, Add</i>	4,278.36 634.12	470.41
26 29 13 13-0450 EA Combination Starter, Size 4, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase ..... <i>For Electronic Overloads, Add</i>	8,830.70 1,391.81	752.75
26 29 13 13-0451 EA Combination Starter, Size 5, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase ..... <i>For Electronic Overloads, Add</i>	18,871.85 3,228.12	940.81
<b>26 29 13 13-0452 Factory Modifications For NEMA 12 Enclosure</b> <small>(26 29 13 13-0401)</small>		
26 29 13 13-0453 EA Start-Stop Push-button, Factory Modifications - NEMA 12 Combination Motor Starter, 240 - 600 Volt.....	182.90	
26 29 13 13-0454 EA H-O-A Select Switch, Factory Modifications - NEMA 12 Combination Motor Starter, 240 - 600 Volt.....	429.53	
26 29 13 13-0455 EA Pilot Light, Factory Modifications - NEMA 12 Combination Motor Starter, 240 - 600 Volt.....	296.44	
<b>26 29 13 13-0456 NEMA 7 Or 9 With Circuit Breaker</b> <small>(26 29 13 13-0401)</small>		
26 29 13 13-0457 EA Combination Starter, Size 0, NEMA 7 Or 9 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase .....	3,506.04	433.56
26 29 13 13-0458 EA Combination Starter, Size 1, NEMA 7 Or 9 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase .....	4,750.67	578.07
26 29 13 13-0459 EA Combination Starter, Size 2, NEMA 7 Or 9 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase .....	5,152.87	794.85
26 29 13 13-0460 EA Combination Starter, Size 3, NEMA 7 Or 9 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase .....	7,663.79	1,083.89
26 29 13 13-0461 EA Combination Starter, Size 4, NEMA 7 Or 9 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase .....	11,556.19	1,517.44
<b>26 29 13 13-0462 Factory Modifications For NEMA 7 Or 9 Enclosure</b> <small>(26 29 13 13-0401)</small>		
26 29 13 13-0463 EA Start-Stop Push-button, Factory Modifications - NEMA 7 Or 9 Combination Motor Starter, 240 - 600 Volt.....	1,096.69	
26 29 13 13-0464 EA H-O-A Select Switch, Factory Modifications - NEMA 7 Or 9 Combination Motor Starter, 240 - 600 Volt.....	1,096.69	
26 29 13 13-0465 EA Pilot Light, Factory Modifications - NEMA 7 Or 9 Combination Motor Starter, 240 - 600 Volt.....	1,096.69	
<b>26 29 13 13-0466 Combination Starters Reversing</b> <small>(26 29 13 13)</small>		

**26 Electrical**  
**26 20 Low-Voltage Electrical Distribution**  
 26 29 Low-Voltage Controllers



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST	
26 29 13 13-0467	<b>240-600 Volt, 3 Pole</b> <small>(26 29 13 13-0466)</small>		
26 29 13 13-0468	<b>NEMA 1 With Disconnect Switch</b> <small>(26 29 13 13-0467)</small>		
26 29 13 13-0469 EA	Combination Starter, Size 0, NEMA 1 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase .....	1,777.36	270.97
26 29 13 13-0470 EA	Combination Starter, Size 1, NEMA 1 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase .....	2,054.18	379.36
26 29 13 13-0471 EA	Combination Starter, Size 2, NEMA 1 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase .....	3,011.84	415.49
26 29 13 13-0472 EA	Combination Starter, Size 3, NEMA 1 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase .....	4,608.57	505.81
26 29 13 13-0473 EA	Combination Starter, Size 4, NEMA 1 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase .....	9,055.69	749.68
26 29 13 13-0474	<b>NEMA 1 With Circuit Breaker</b> <small>(26 29 13 13-0467)</small>		
26 29 13 13-0475 EA	Combination Starter, Size 0, NEMA 1 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	1,991.02	270.97
26 29 13 13-0476 EA	Combination Starter, Size 1, NEMA 1 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	2,282.25	379.36
26 29 13 13-0477 EA	Combination Starter, Size 2, NEMA 1 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	3,278.83	415.49
26 29 13 13-0478 EA	Combination Starter, Size 3, NEMA 1 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	4,240.99	505.81
26 29 13 13-0479 EA	Combination Starter, Size 4, NEMA 1 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	9,777.86	749.68
26 29 13 13-0480	<b>NEMA 12 With Disconnect Switch</b> <small>(26 29 13 13-0467)</small>		
26 29 13 13-0481 EA	Combination Starter, Size 0, NEMA 12 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase .....	1,901.60	278.83
26 29 13 13-0482 EA	Combination Starter, Size 1, NEMA 12 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase .....	2,186.75	376.38
26 29 13 13-0483 EA	Combination Starter, Size 2, NEMA 12 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase .....	3,233.43	418.20
26 29 13 13-0484 EA	Combination Starter, Size 3, NEMA 12 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase .....	4,975.76	501.84
26 29 13 13-0485 EA	Combination Starter, Size 4, NEMA 12 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase .....	9,824.73	752.75
26 29 13 13-0486	<b>NEMA 12 With Circuit Breaker</b> <small>(26 29 13 13-0467)</small>		
26 29 13 13-0487 EA	Combination Starter, Size 0, NEMA 12 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	2,137.02	278.83
26 29 13 13-0488 EA	Combination Starter, Size 1, NEMA 12 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	2,438.05	376.38
26 29 13 13-0489 EA	Combination Starter, Size 2, NEMA 12 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	3,527.61	418.20
26 29 13 13-0490 EA	Combination Starter, Size 3, NEMA 12 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	4,570.74	501.84
26 29 13 13-0491 EA	Combination Starter, Size 4, NEMA 12 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	10,620.47	752.75
26 29 13 13-0492	<b>NEMA 7 Or 9 With Circuit Breaker</b> <small>(26 29 13 13-0467)</small>		
26 29 13 13-0493 EA	Combination Starter, Size 0, NEMA 7 Or 9 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	4,246.74	578.07
26 29 13 13-0494 EA	Combination Starter, Size 1, NEMA 7 Or 9 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	4,552.89	722.59
26 29 13 13-0495 EA	Combination Starter, Size 2, NEMA 7 Or 9 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	6,556.15	939.37
26 29 13 13-0496 EA	Combination Starter, Size 3, NEMA 7 Or 9 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	10,457.58	1,228.40
26 29 13 13-0497 EA	Combination Starter, Size 4, NEMA 7 Or 9 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	19,146.78	1,661.96
26 29 13 13-0498	<b>Solid State Motor Controllers</b> <small>(26 29 13 13)</small>		
26 29 13 13-0499	<b>Adjustable Voltage Drives, DC Motors</b> <small>(26 29 13 13-0498)</small>		
26 29 13 13-0500 EA	0.5-1.5 HP DC Solid State Motor Controller, Reversing With Dynamic Braking .....	1,418.37	162.58
26 29 13 13-0501 EA	0.5-2.0 HP DC Solid State Motor Controller, Non-Reversing With Dynamic Braking.....	1,717.34	162.58
26 29 13 13-0502	<b>Removal And Reinstallation Of Motor Starters</b> <small>(26 29 13 13)</small>		
	Note: Includes storage and cleaning.		
26 29 13 13-0503 EA	Removal And Reinstallation Of Up To 25 HP Motor Starter With Disconnect .....	645.17	
26 29 13 13-0504	<b>Auxiliary Devices</b> <small>(26 29 13 13)</small>		
26 29 13 13-0505 EA	Normally Open, Auxiliary Contact .....	413.42	90.33
26 29 13 13-0506 EA	Normally Closed, Auxiliary Contact.....	413.42	90.33
26 29 13 13-0507 EA	Pilot Light Kit.....	436.91	90.33
26 29 23	<b>Variable-Frequency Motor Controllers</b> <small>(26 29)</small>		
26 29 23 00-0001	<b>208/230 Volt, Ultra Low Harmonic (ULH) Variable Frequency Drives</b> <small>(26 29 23)</small>		
	Note: 1 or 3 phase. Wall mounted. ABB ACH580 Series. Includes full voltage bypass with main input circuit breaker. NEMA 1 enclosure.		
26 29 23 00-0002 EA	3/4 HP, 208/230 Volt Variable Frequency Drive .....	2,162.20	383.10
	<i>For 6-Pulse Drive Package, Deduct</i> .....		-767.75
26 29 23 00-0003 EA	1 HP, 208/230 Volt Variable Frequency Drive .....	2,440.57	418.72
	<i>For 6-Pulse Drive Package, Deduct</i> .....		-883.86
26 29 23 00-0004 EA	1-1/2 HP, 208/230 Volt Variable Frequency Drive .....	2,845.75	460.40
	<i>For 6-Pulse Drive Package, Deduct</i> .....		-1,058.72
26 29 23 00-0005 EA	2 HP, 208/230 Volt Variable Frequency Drive .....	3,017.44	442.55
	<i>For 6-Pulse Drive Package, Deduct</i> .....		-1,172.79
26 29 23 00-0006 EA	3 HP, 208/230 Volt Variable Frequency Drive .....	3,231.47	482.50
	<i>For 6-Pulse Drive Package, Deduct</i> .....		-1,246.56
26 29 23 00-0007 EA	5 HP, 208/230 Volt Variable Frequency Drive .....	3,510.90	482.50
	<i>For 6-Pulse Drive Package, Deduct</i> .....		-1,400.25
26 29 23 00-0008 EA	7.5 HP, 208/230 Volt Variable Frequency Drive .....	4,194.87	576.11
	<i>For 6-Pulse Drive Package, Deduct</i> .....		-1,673.46
26 29 23 00-0009 EA	10 HP, 208/230 Volt Variable Frequency Drive .....	4,598.48	576.11
	<i>For 6-Pulse Drive Package, Deduct</i> .....		-1,895.45



<b>Electrical</b>	<b>26</b>	<b>26</b>
Low-Voltage Electrical Distribution	26 20	
Low-Voltage Controllers	26 29	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 23 00-0010 EA 15 HP, 208/230 Volt Variable Frequency Drive ..... <i>For 6-Pulse Drive Package, Deduct</i>	6,019.43 -2,356.51	867.44
26 29 23 00-0011 EA 20 HP, 208/230 Volt Variable Frequency Drive ..... <i>For 6-Pulse Drive Package, Deduct</i>	7,137.13 -2,971.24	867.44
26 29 23 00-0012 EA 25 HP, 208/230 Volt Variable Frequency Drive ..... <i>For 6-Pulse Drive Package, Deduct</i>	8,669.26 -3,500.61	1,152.31
26 29 23 00-0013 EA 30 HP, 208/230 Volt Variable Frequency Drive ..... <i>For 6-Pulse Drive Package, Deduct</i>	10,066.40 -4,269.03	1,152.31
26 29 23 00-0014 EA 40 HP, 208/230 Volt Variable Frequency Drive ..... <i>For 6-Pulse Drive Package, Deduct</i>	11,277.25 -4,935.00	1,152.31
26 29 23 00-0015 EA 50 HP, 208/230 Volt Variable Frequency Drive ..... <i>For 6-Pulse Drive Package, Deduct</i>	14,897.57 -6,591.39	1,456.67
26 29 23 00-0016 EA 60 HP, 208/230 Volt Variable Frequency Drive ..... <i>For 6-Pulse Drive Package, Deduct</i>	17,976.64 -7,991.63	1,723.20
26 29 23 00-0017 EA 75 HP, 208/230 Volt Variable Frequency Drive ..... <i>For 6-Pulse Drive Package, Deduct</i>	20,460.44 -9,357.72	1,723.20
<b>26 29 23 00-0018 460/480 Volt, Ultra Low Harmonic (ULH) Variable Frequency Drives</b> <small>(26 29 23)</small> Note: 3 Phase. ABB ACH580 Series. Includes full voltage bypass with main circuit breaker. NEMA 1 enclosure.		
26 29 23 00-0019 EA 3 HP, 480 Volt Variable Frequency Drive ..... Note: Wall mounted. <i>For 6-Pulse Drive Package, Deduct</i>	5,228.49 -2,117.44	689.30
26 29 23 00-0020 EA 5 HP, 480 Volt Variable Frequency Drive ..... Note: Wall mounted. <i>For 6-Pulse Drive Package, Deduct</i>	5,414.78 -2,219.90	689.30
26 29 23 00-0021 EA 7.5 HP, 480 Volt Variable Frequency Drive ..... Note: Wall mounted. <i>For 6-Pulse Drive Package, Deduct</i>	5,896.03 -2,339.43	821.31
26 29 23 00-0022 EA 10 HP, 480 Volt Variable Frequency Drive ..... Note: Wall mounted. <i>For 6-Pulse Drive Package, Deduct</i>	5,927.08 -2,356.51	821.31
26 29 23 00-0023 EA 15 HP, 480 Volt Variable Frequency Drive ..... Note: Wall mounted. <i>For 6-Pulse Drive Package, Deduct</i>	7,892.54 -2,971.24	1,245.14
26 29 23 00-0024 EA 20 HP, 480 Volt Variable Frequency Drive ..... Note: Wall mounted. <i>For 6-Pulse Drive Package, Deduct</i>	8,327.21 -3,210.31	1,245.14
26 29 23 00-0025 EA 25 HP, 480 Volt Variable Frequency Drive ..... Note: Wall mounted. <i>For 6-Pulse Drive Package, Deduct</i>	9,960.36 -3,671.37	1,642.62
26 29 23 00-0026 EA 30 HP, 480 Volt Variable Frequency Drive ..... Note: Wall mounted. <i>For 6-Pulse Drive Package, Deduct</i>	11,512.74 -4,525.17	1,642.62
26 29 23 00-0027 EA 40 HP, 480 Volt Variable Frequency Drive ..... Note: Wall mounted. <i>For 6-Pulse Drive Package, Deduct</i>	13,127.21 -5,413.13	1,642.62
26 29 23 00-0028 EA 50 HP, 480 Volt Variable Frequency Drive ..... Note: Wall mounted. <i>For 6-Pulse Drive Package, Deduct</i>	17,212.90 -7,171.97	2,086.53
26 29 23 00-0029 EA 60 HP, 480 Volt Variable Frequency Drive ..... Note: Wall mounted. <i>For 6-Pulse Drive Package, Deduct</i>	23,080.45 -9,972.46	2,474.36
26 29 23 00-0030 EA 75 HP, 480 Volt Variable Frequency Drive ..... Note: Wall mounted. <i>For 6-Pulse Drive Package, Deduct</i>	24,570.73 -10,792.11	2,474.36
26 29 23 00-0031 EA 100 HP, 480 Volt Variable Frequency Drive ..... Note: Wall mounted. <i>For 6-Pulse Drive Package, Deduct</i>	28,489.45 -12,636.33	2,757.20
26 29 23 00-0032 EA 125 HP, 480 Volt Variable Frequency Drive ..... Note: Wall mounted. <i>For 6-Pulse Drive Package, Deduct</i>	30,103.92 -13,524.29	2,757.20
26 29 23 00-0033 EA 150 HP, 480 Volt Variable Frequency Drive ..... Note: Floor mounted. <i>For 6-Pulse Drive Package, Deduct</i>	33,457.05 -15,368.51	2,757.20
26 29 23 00-0034 EA 200 HP, 480 Volt Variable Frequency Drive ..... Note: Floor mounted. <i>For 6-Pulse Drive Package, Deduct</i>	38,572.05 -17,554.26	3,327.61
26 29 23 00-0035 EA 250 HP, 480 Volt Variable Frequency Drive ..... Note: Floor mounted. <i>For 6-Pulse Drive Package, Deduct</i>	48,536.03 -22,871.08	3,476.12
26 29 23 00-0036 EA 300 HP, 480 Volt Variable Frequency Drive ..... Note: Floor mounted. <i>For 6-Pulse Drive Package, Deduct</i>	56,958.00 -26,939.30	3,988.73
26 29 23 00-0037 EA 350 HP, 480 Volt Variable Frequency Drive ..... Note: Floor mounted. <i>For 6-Pulse Drive Package, Deduct</i>	65,629.03 -31,337.42	4,325.90
26 29 23 00-0038 EA 400 HP, 480 Volt Variable Frequency Drive ..... Note: Floor mounted. <i>For 6-Pulse Drive Package, Deduct</i>	76,197.26 -36,770.36	4,671.08
26 29 23 00-0039 EA 450 HP, 480 Volt Variable Frequency Drive ..... Note: Floor mounted. <i>For 6-Pulse Drive Package, Deduct</i>	82,109.85 -39,588.60	5,065.29



MINOR  
 CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

**26 30 Facility Electrical Power Generating and Storing Equipment**

**26 31 Photovoltaic Collectors**

26 31 00 00-0001	Rigid Photovoltaic Modules		
26 31 00 00-0002	Sanyo Rigid Photovoltaic Modules		
26 31 00 00-0003	EA 205 Watt Hybrid Monocrystalline With Thin Amorphous Layers Photovoltaic Module, 62.2" x 31.4", 16.3% Module Efficiency (Sanyo HIP-205NHKA6)	2,117.84	85.80
	For >25 To 50, Deduct	-154.55	
	For >50 To 100, Deduct	-207.49	
	For >100, Deduct	-309.10	
26 31 00 00-0004	EA 210 Watt Hybrid Monocrystalline With Thin Amorphous Layers Photovoltaic Module, 62.2" x 31.4", 16.7% Module Efficiency (Sanyo HIP-210NHKA6)	2,223.34	85.80
	For >25 To 50, Deduct	-162.46	
	For >50 To 100, Deduct	-218.04	
	For >100, Deduct	-324.92	
26 31 00 00-0005	EA 215 Watt Hybrid Monocrystalline With Thin Amorphous Layers Photovoltaic Module, 62.2" x 31.4", 17.1% Module Efficiency (Sanyo HIP-215HNKA6)	2,076.46	85.80
	For >25 To 50, Deduct	-151.44	
	For >50 To 100, Deduct	-203.36	
	For >100, Deduct	-302.89	
26 31 00 00-0006	Sharp Rigid Photovoltaic Modules		
26 31 00 00-0007	EA 224 Watt Polycrystalline Photovoltaic Module, 64.6" x 39.1", 13.74% Module Efficiency (Sharp ND-224UC1)	1,642.80	85.80
	For >25 To 50, Deduct	-118.92	
	For >50 To 100, Deduct	-159.99	
	For >100, Deduct	-237.84	
26 31 00 00-0008	EA 230 Watt Monocrystalline Photovoltaic Module, 64.6" x 39.1", 14.1% Module Efficiency (Sharp NU-U230F3)	1,878.28	85.80
	For >25 To 50, Deduct	-136.58	
	For >50 To 100, Deduct	-183.54	
	For >100, Deduct	-273.16	
26 31 00 00-0009	EA 235 Watt Monocrystalline Photovoltaic Module, 64.6" x 39.1", 14.4% Module Efficiency (Sharp NU-U235F1)	1,915.58	85.80
	For >25 To 50, Deduct	-139.38	
	For >50 To 100, Deduct	-187.27	
	For >100, Deduct	-278.76	
26 31 00 00-0010	EA 240 Watt Monocrystalline Photovoltaic Module, 64.6" x 39.1", 14.7% Module Efficiency (Sharp NU-U240F1)	1,799.01	85.80
	For >25 To 50, Deduct	-130.64	
	For >50 To 100, Deduct	-175.61	
	For >100, Deduct	-261.27	
26 31 00 00-0011	BP Solar Rigid Photovoltaic Modules		
	Note: Approved for applications in NEC Class 1, Division 2, Groups C and D hazardous locations.		
26 31 00 00-0012	EA 50 Watt Polycrystalline Photovoltaic Module, 33" x 21.1" (BP SX350J)	775.36	85.80
	For >25 To 50, Deduct	-53.86	
	For >50 To 100, Deduct	-73.25	
	For >100, Deduct	-107.72	
26 31 00 00-0013	EA 75 Watt Polycrystalline Photovoltaic Module, 47.6" x 21.14" (BP SX375J)	973.54	85.80
	For >25 To 50, Deduct	-68.73	
	For >50 To 100, Deduct	-93.06	
	For >100, Deduct	-137.45	
26 31 00 00-0014	EA 80 Watt Polycrystalline Photovoltaic Module, 47.6" x 20.9" (BP SX380J)	1,052.81	85.80
	For >25 To 50, Deduct	-74.67	
	For >50 To 100, Deduct	-100.99	
	For >100, Deduct	-149.34	
26 31 00 00-0015	Photovoltaic Inverters		
26 31 00 00-0016	Fronius Photovoltaic Inverters		
26 31 00 00-0017	EA 3 KW Photovoltaic Inverter (Fronius IG Plus 3.0-1)	5,137.63	90.33
26 31 00 00-0018	EA 5 KW Photovoltaic Inverter (Fronius IG Plus 5.0-1)	6,799.88	90.33
26 31 00 00-0019	EA 6 KW Photovoltaic Inverter (Fronius IG Plus 6.0-1)	7,181.78	90.33
26 31 00 00-0020	EA 7.5 KW Photovoltaic Inverter (Fronius IG Plus 7.5-1)	8,038.60	90.33
26 31 00 00-0021	EA 10 KW Photovoltaic Inverter (Fronius IG Plus 10.0-1)	12,771.25	90.33
26 31 00 00-0022	EA 12 KW Photovoltaic Inverter (Fronius IG Plus 12.0-3-1)	14,857.44	90.33
26 31 00 00-0023	EA 11.4 KW Photovoltaic Inverter (Fronius IG Plus 11.4-3 Delta)	12,013.76	180.65
26 31 00 00-0024	EA 11.4 KW Photovoltaic Inverter (Fronius IG Plus 11.4-3)	15,243.14	180.65
26 31 00 00-0025	EA Inverter Display Stand (Fronius 4,045,894)	420.70	45.16
26 31 00 00-0026	SMA Photovoltaic Inverters		
26 31 00 00-0027	EA 4 KW AC Photovoltaic Inverter (SMA Sunny Boy 4000TL-US-22)	3,796.86	90.33
26 31 00 00-0028	EA 5 KW AC Photovoltaic Inverter (SMA Sunny Boy 5000TL-US-22)	4,571.97	90.33
26 31 00 00-0029	EA 6 KW AC Photovoltaic Inverter (SMA Sunny Boy 6000TL-US-22)	5,294.32	90.33
26 31 00 00-0030	EA 7 KW AC Photovoltaic Inverter (SMA Sunny Boy 7000TL-US-22)	5,845.78	90.33
26 31 00 00-0031	EA 8 KW AC Photovoltaic Inverter (SMA Sunny Boy 8000TL-US-12)	5,660.02	90.33
26 31 00 00-0032	PVPowered Photovoltaic Inverters		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 31 00 00-0033 EA 120 Volt, 1.1 KW Photovoltaic Inverter (PVPowered PVP1100).....	4,715.72	90.33
26 31 00 00-0034 EA 240 Volt, 2 KW Photovoltaic Inverter (PVPowered PVP2000).....	4,935.30	90.33
26 31 00 00-0035 EA 240 Volt, 2.5 KW Photovoltaic Inverter (PVPowered PVP2500).....	5,460.43	90.33
26 31 00 00-0036 EA 240 Volt, 3.5 KW Photovoltaic Inverter (PVPowered PVP3500).....	6,469.87	112.90
26 31 00 00-0037 EA 208 Volt, 4.6 KW Photovoltaic Inverter (PVPowered PVP4600).....	7,889.87	135.48
26 31 00 00-0038 EA 240 Volt, 4.8 KW Photovoltaic Inverter (PVPowered PVP4800).....	7,956.71	135.48
26 31 00 00-0039 EA 240 Volt, 5.2 KW Photovoltaic Inverter (PVPowered PVP5200).....	8,401.61	135.48
26 31 00 00-0040 EA 208 Volt, 75 KW Photovoltaic Inverter (PVPowered PVP75kW).....	100,878.03	722.59
26 31 00 00-0041 EA 480 Volt, 75 KW Photovoltaic Inverter (PVPowered PVP75kW).....	101,012.31	722.59
26 31 00 00-0042 EA 208 Volt, 100 KW Photovoltaic Inverter (PVPowered PVP100kW).....	109,351.92	722.59
26 31 00 00-0043 EA 480 Volt, 100 KW Photovoltaic Inverter (PVPowered PVP100kW).....	101,332.76	722.59
<b>26 31 00 00-0044 Solectria Photovoltaic Inverters (26 31 00 00-0015)</b>		
26 31 00 00-0045 EA 208 Or 480 Volt, 10 KW Photovoltaic Inverter (Solectria PVI).....	15,810.79	180.65
26 31 00 00-0046 EA 208 Or 480 Volt, 13 KW Photovoltaic Inverter (Solectria PVI).....	15,810.79	180.65
26 31 00 00-0047 EA 208 Volt, 15 KW, Photovoltaic Inverter (Solectria PVI).....	16,277.39	180.65
26 31 00 00-0048 EA 480 Volt, 15 KW Photovoltaic Inverter (Solectria PVI).....	16,277.39	180.65
26 31 00 00-0049 EA 208 Volt, 50 KW Photovoltaic Inverter (Solectria PVI).....	49,557.99	541.94
26 31 00 00-0050 EA 480 Volt, 50 KW Photovoltaic Inverter (Solectria PVI).....	47,225.01	541.94
26 31 00 00-0051 EA 208 Volt, 60 KW Photovoltaic Inverter (Solectria PVI).....	54,223.95	541.94
26 31 00 00-0052 EA 480 Volt, 60 KW Photovoltaic Inverter (Solectria PVI).....	52,927.85	541.94
26 31 00 00-0053 EA 208 Volt, 75 KW Photovoltaic Inverter (Solectria PVI).....	57,593.81	541.94
26 31 00 00-0054 EA 480 Volt, 75 KW Photovoltaic Inverter (Solectria PVI).....	55,001.61	541.94
26 31 00 00-0055 EA 208 Volt, 85 KW Photovoltaic Inverter (Solectria PVI).....	60,547.29	722.59
26 31 00 00-0056 EA 480 Volt, 85 KW Photovoltaic Inverter (Solectria PVI).....	57,695.88	722.59
26 31 00 00-0057 EA 208 Volt, 100 KW Photovoltaic Inverter (Solectria PVI).....	62,880.27	722.59
26 31 00 00-0058 EA 480 Volt, 100 KW Photovoltaic Inverter (Solectria PVI).....	59,510.42	722.59
<b>26 31 00 00-0059 Xantrex Photovoltaic Inverters (26 31 00 00-0015)</b>		
26 31 00 00-0060 EA 0.6 KW Photovoltaic Inverter (Xantrex 806-1206).....	649.60	22.58
26 31 00 00-0061 EA 1 KW Photovoltaic Inverter (Xantrex 806-1210).....	709.64	22.58
26 31 00 00-0062 EA 2 KW Photovoltaic Inverter (Xantrex 806-1220).....	1,150.85	22.58
<b>26 31 00 00-0063 Photovoltaic DC-DC Converters (26 31)</b>		
26 31 00 00-0064 EA 15 Amperes, 20 To 35 Volt Input, 13.8 Volt Output DC Voltage Converter (Samlex SDC-20).....	366.17	33.87
Note: Hazardous locations.		
26 31 00 00-0065 EA 20 Amperes, 20 To 35 Volt Input, 13.8 Volt Output DC Voltage Converter (Samlex SDC-23).....	235.61	33.87
26 31 00 00-0066 EA 60 Amperes, 20 To 35 Volt Input, 13.8 Volt Output DC Voltage Converter (Samlex SDC-60).....	701.91	33.87
<b>26 31 00 00-0067 Photovoltaic Combiner Boxes (26 31)</b>		
<b>26 31 00 00-0068 Midnight Solar Photovoltaic Combiner Boxes (26 31 00 00-0067)</b>		
26 31 00 00-0069 EA 3 - 150 Volt DC Breaker Or 3 - 600 Volt DC Fuse Holder, NEMA 3R, Aluminum Photovoltaic Combiner Box (Midnite Solar MNPV3).....	400.81	90.33
26 31 00 00-0070 EA 6 - 150 Volt DC Breaker Or 4 - 600 Volt DC Fuse Holder, NEMA 3R, Aluminum Photovoltaic Combiner Box (Midnite Solar MNPV6).....	388.71	90.33
26 31 00 00-0071 EA 12 - 150 Volt DC Breaker Or 10 - 600 Volt DC Fuse Holder, NEMA 3R, Aluminum Photovoltaic Combiner Box (Midnite Solar MNPV12).....	624.77	135.48
26 31 00 00-0072 EA 6 - 300 Volt DC Breaker, NEMA 3R, Aluminum Photovoltaic Combiner Box (Midnite Solar MNPV12-250).....	629.00	135.48
26 31 00 00-0073 EA 16, 600 Volt DC Breakers, NEMA 3R, Aluminum Photovoltaic Combiner Box (Midnite Solar MNPV16).....	1,021.21	135.48
<b>26 31 00 00-0074 SMA Photovoltaic Combiner Boxes (26 31 00 00-0067)</b>		
26 31 00 00-0075 EA 6 Input NEMA 3R, Steel Photovoltaic Combiner Box (SMA SBCB-6).....	971.48	90.33
26 31 00 00-0076 EA 12 Input NEMA 3R, Steel Photovoltaic Combiner Box (SMA SCCB-12).....	1,177.53	90.33
26 31 00 00-0077 EA 28 Input NEMA 3R, Steel Photovoltaic Combiner Box (SMA SCCB-28).....	2,276.30	180.65
26 31 00 00-0078 EA 52 Input NEMA 3R, Steel Photovoltaic Combiner Box (SMA SCCB-52).....	5,413.50	180.65
26 31 00 00-0079 EA 4 Input NEMA 3R, Steel Combination DC Disconnect And Photovoltaic Combiner Box (SMA Combi-Switch).....	859.97	90.33
<b>26 31 00 00-0080 Photovoltaic Charge Controller (26 31)</b>		
26 31 00 00-0081 EA 35 Amperes, 12 Or 24 Volt, Charge Controller (Xantrex C-35).....	286.90	33.87
26 31 00 00-0082 EA 40 Amperes, 12 Or 24 Volt, Charge Controller (Xantrex C-40).....	391.82	33.87
26 31 00 00-0083 EA 60 Amperes, 12 Or 24 Volt, Charge Controller (Xantrex C-60).....	461.76	33.87
26 31 00 00-0084 EA Remote Digital Meter For Xantrex C-35, 40 And 60.....	347.52	33.87
26 31 00 00-0085 EA MPPT Charge Controller (Xantrex XW SCC).....	1,260.63	45.16
<b>26 31 00 00-0086 Photovoltaic Batteries (26 31)</b>		
<b>26 31 00 00-0087 Concorde Photovoltaic Batteries (26 31 00 00-0086)</b>		
26 31 00 00-0088 EA 34 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-340T).....	278.66	13.55
26 31 00 00-0089 EA 45 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-420T).....	350.57	18.06
26 31 00 00-0090 EA 49 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-490T).....	381.08	18.06
26 31 00 00-0091 EA 56 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-560T).....	431.52	27.10
26 31 00 00-0092 EA 69 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-690T).....	494.41	27.10

**26 Electrical**  
**26 30 Facility Electrical Power Generating and Storing Equipment**  
**26 31 Photovoltaic Collectors**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 31 00 00-0093	EA		89 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-890T).....	587.31	31.61
26 31 00 00-0094	EA		104 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-1040T).....	673.66	36.13
26 31 00 00-0095	EA		108 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-1080T).....	665.50	36.13
26 31 00 00-0096	EA		210 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-2120T).....	1,238.76	42.91
26 31 00 00-0097	EA		255 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-2580T).....	1,436.15	45.16
<b>26 31 00 00-0098</b>			<b>Deka Photovoltaic Batteries (26 31 00 00-0086)</b>		
26 31 00 00-0099	EA		31 Amperes Hours Capacity At 20 Hour Lead Acid Battery (Deka BYDK8GU1).....	285.40	22.63
26 31 00 00-0100	EA		50 Amperes Hours Capacity At 20 Hour Lead Acid Battery (Deka BYDK8G22NF).....	399.65	22.63
26 31 00 00-0101	EA		74 Amperes Hours Capacity At 20 Hour Lead Acid Battery (Deka BYDK8G24).....	597.83	22.63
26 31 00 00-0102	EA		86 Amperes Hours Capacity At 20 Hour Lead Acid Battery (Deka BYDK8G27).....	686.42	22.63
26 31 00 00-0103	EA		98 Amperes Hours Capacity At 20 Hour Lead Acid Battery (Deka BYDK8G31).....	688.75	22.63
26 31 00 00-0104	EA		183 Amperes Hours Capacity At 20 Hour Lead Acid Battery (Deka BYDK8G4D).....	1,350.90	22.63
26 31 00 00-0105	EA		225 Amperes Hours Capacity At 20 Hour Lead Acid Battery (Deka BYDK8G8D).....	1,565.40	22.63
<b>26 31 00 00-0106</b>			<b>Battery Enclosures (26 31 00 00-0086)</b>		
26 31 00 00-0107	EA		14" x 12" x 8" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge 55-2501-010).....	324.94	22.58
26 31 00 00-0108	EA		22" x 16" x 8" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge BETS1GC).....	1,660.99	22.63
26 31 00 00-0109	EA		37" x 16" x 8" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge BETS2GCL).....	1,560.74	22.63
26 31 00 00-0110	EA		37" x 16" x 14.5" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge BETS4GC).....	2,085.32	22.63
26 31 00 00-0111	EA		15" x 17.1" x 8.4" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge BETSLCF1).....	919.57	22.63
26 31 00 00-0112	EA		31" x 36" x 14" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge BETSBR827BP).....	2,185.58	22.63
<b>26 31 00 00-0113</b>			<b>Photovoltaic System Monitoring (26 31)</b>		
26 31 00 00-0114	EA		Solar Inverter Monitor (Xantrex 864-0203).....	687.66	45.16
26 31 00 00-0115	EA		Photovoltaic System Monitoring, Remote Diagnosis, Data Storage Communication Hub (SMA Sunny WebBox).....	1,477.28	22.58
26 31 00 00-0116	EA		Sun Radiation And Temperature Monitor (SMA Sunny SensorBox).....	1,231.37	22.58
26 31 00 00-0117	EA		PT100 Ambient Temperature Sensor For Sunny SensorBox (SMA).....	212.61	22.58
26 31 00 00-0118	EA		Wind Sensor Accessory For Sunny SensorBox (SMA).....	533.97	45.16
26 31 00 00-0119	EA		Sunny Boy Control with RS485 (SMA).....	1,452.80	22.58
26 31 00 00-0120	EA		RS 485 Module (SMA).....	316.53	22.58
26 31 00 00-0121	EA		RS 232 Module (SMA).....	324.94	22.58
26 31 00 00-0122	EA		Wireless Monitor with Bluetooth (SMA Sunny Beam).....	607.24	
26 31 00 00-0123	EA		Bluetooth Piggy-Back Computer Card (SMA).....	329.48	22.58
26 31 00 00-0124	EA		RS485-N Communication Computer Card (SMA).....	327.13	22.58
26 31 00 00-0125	EA		Bluetooth Repeater (SMA).....	633.78	22.58
26 31 00 00-0126	EA		Sunny Boy PC Service Cable (SMA).....	304.26	6.77
26 31 00 00-0127	EA		Integrated Revenue Grade Meter, Option (PVPowered).....	5,980.30	
26 31 00 00-0128	EA		Data Monitoring Module (PVPowered PVM1010).....	632.40	22.58
26 31 00 00-0129	EA		Wireless IG Personal Display (Fronius 4,240,108).....	617.47	
26 31 00 00-0130	EA		DatCom Power Supply (Fronius 43,0001,2311).....	204.18	
26 31 00 00-0131	EA		Wireless Card For IG Personal Display (Fronius 4,240,008,Z).....	369.19	22.58
26 31 00 00-0132	EA		Retrofit Solar Inverter Interface And Power Supply Option Communication Card (Fronius 4,240,001,Z).....	309.50	22.58
26 31 00 00-0133	EA		Datalogger Pro Box (Fronius 4,240,102).....	1,269.86	22.58
26 31 00 00-0134	EA		Datalogger Easy Box (Fronius 4,240,103).....	819.54	22.58
26 31 00 00-0135	EA		Datalogger Interface Box (Fronius 4,240,105).....	1,436.03	22.58
26 31 00 00-0136	EA		Datalogger Web (Fronius 4,240,122).....	2,480.99	22.58
26 31 00 00-0137	EA		Interface Box (Fronius 4,240,109).....	652.99	22.58
26 31 00 00-0138	EA		Interface Card (Fronius 4,240,009,Z).....	460.60	22.58
26 31 00 00-0139	EA		Interface Card Easy (Fronius 4,240,013,Z).....	297.39	22.58
26 31 00 00-0140	EA		Sensor Box (Fronius 4,240,104).....	1,327.07	22.58
26 31 00 00-0141	EA		Ambient Temperature Sensor (Fronius 43,0001,1188).....	130.62	22.58
26 31 00 00-0142	EA		Irradiance Sensor (Fronius 43,0001,1188).....	448.75	22.58
26 31 00 00-0143	EA		Module Temperature Sensor (Fronius 43,0001,1190).....	501.90	22.58
26 31 00 00-0144	EA		Wind Speed Sensor (Fronius 42,0411,0027).....	238.22	45.16
<b>26 31 00 00-0145</b>			<b>Photovoltaic System Accessories (26 31)</b>		
26 31 00 00-0146	EA		Four Inverter Bypass Switch (OutBack AC-IOB-100Q).....	955.85	45.16
26 31 00 00-0147	EA		Line Communication Filter (Enphase LCF).....	2,090.15	90.33
26 31 00 00-0148	EA		15 Meter RS 485 Communication Cable (SMA).....	160.43	6.77
26 31 00 00-0149	EA		15 Meter RS 232 Communication Cable (SMA).....	244.37	6.77
26 31 00 00-0150	EA		24" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect.....	35.41	2.24
26 31 00 00-0151	EA		36" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect.....	38.23	2.24
26 31 00 00-0152	EA		48" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect.....	39.82	2.24
26 31 00 00-0153	EA		72" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect.....	44.23	2.24
26 31 00 00-0154	EA		120" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect.....	50.84	2.24
26 31 00 00-0155	EA		240" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect.....	79.65	4.47
26 31 00 00-0156	EA		360" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect.....	100.16	4.47
26 31 00 00-0157	EA		420" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect.....	130.48	6.71
26 31 00 00-0158	EA		36" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect.....	45.33	2.24
26 31 00 00-0159	EA		120" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect.....	64.05	2.24
26 31 00 00-0160	EA		240" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect.....	92.87	4.47
26 31 00 00-0161	EA		360" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect.....	125.92	4.47
26 31 00 00-0162	EA		600" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect.....	202.26	8.95
26 31 00 00-0163	EA		1200" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect.....	211.59	8.95





	MINOR CSI UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	26 31 00 00-0164	EA Lighting Kit, 9 Watt Fluorescent, 12 Volt, 4.5 Ampere Hours Battery..... Note: Tamper proof enclosure.	3,768.76	243.87
<b>26 31 00 00-0165</b>		<b>Photovoltaic Mounting Systems <small>(26 31)</small></b>		
	26 31 00 00-0166	LF Anodized Aluminum Photovoltaic Module Mounting Rail (UNIRAC SolarMount Standard).....	11.75	2.26
	26 31 00 00-0167	EA Splice Bar For Photovoltaic Module Mounting Rail (UNIRAC 310229).....	29.89	11.29
	26 31 00 00-0168	EA Splice Plate For Photovoltaic Module Mounting Rail (UNIRAC 310216).....	40.27	11.29
	26 31 00 00-0169	EA 8" x 3/8" Hanger Bolt (UNIRAC 310046)..... Note: Supports mounting rail above tile or metal roof.	22.42	4.51
	26 31 00 00-0170	EA Mounting Rail Grounding Clip (UNIRAC 980006)..... Note: One grounding clip for every two top mounting clamps (end clamps + mid clamps) in your installation. Only one of the two rails in each row requires grounding clips.	9.67	3.39
	26 31 00 00-0171	EA Mounting Rail Grounding Lugs (UNIRAC 980012)..... Note: Two grounding lugs for each rail splice and one additional lug for each rail.	22.90	4.51
	26 31 00 00-0172	EA Anodized Aluminum Photovoltaic Module Mounting End Clamp (UNIRAC 320002)..... Note: Four for each row of modules you plan to mount.	5.91	1.50
	26 31 00 00-0173	EA Anodized Aluminum Photovoltaic Module Mounting Mid Clamp (UNIRAC 320008)..... Note: For each row, take one less than the number of modules in the row and multiply that figure by 2.	6.25	1.50
	26 31 00 00-0174	EA Photovoltaic Module Mount L-Foot (UNIRAC 310065).....	14.85	4.51
	26 31 00 00-0175	EA 12" Leg Extension, Photovoltaic Module One Leg Tilt Kit (UNIRAC 310121)..... Note: Includes one square tube, one strut insert, two L-feet, and stainless steel hardware for use with mounting rail. Excludes standoffs.	91.84	22.58
	26 31 00 00-0176	EA 30" Leg Extension, Photovoltaic Module One Leg Tilt Kit (UNIRAC 310122)..... Note: Includes one square tube, one strut insert, two L-feet, and stainless steel hardware for use with mounting rail. Excludes standoffs.	103.59	22.58
	26 31 00 00-0177	EA 44" Leg Extension, Photovoltaic Module One Leg Tilt Kit (UNIRAC 310123)..... Note: Includes one square tube, one strut insert, two L-feet, and stainless steel hardware for use with mounting rail. Excludes standoffs.	113.05	22.58
	26 31 00 00-0178	EA 12" Leg Extension, Photovoltaic Module Two Leg Tilt Kit (UNIRAC 310107)..... Note: Includes two square tubes, two strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.	134.33	33.87
	26 31 00 00-0179	EA 44" Leg Extension, Photovoltaic Module Two Leg Tilt Kit (UNIRAC 310108)..... Note: Includes two square tubes, two strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.	169.58	33.87
	26 31 00 00-0180	EA 72" Leg Extension, Photovoltaic Module Two Leg Tilt Kit (UNIRAC 310109)..... Note: Includes two square tubes, two strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.	201.57	33.87
	26 31 00 00-0181	EA 18" Leg Extension, Photovoltaic Module Four Leg Tilt Kit (UNIRAC 310111)..... Note: Includes four square tubes, four strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.	215.67	45.16
	26 31 00 00-0182	EA 64" Leg Extension, Photovoltaic Module Four Leg Tilt Kit (UNIRAC 310112)..... Note: Includes four square tubes, four strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.	299.89	45.16
	26 31 00 00-0183	EA 104" Leg Extension, Photovoltaic Module Four Leg Tilt Kit (UNIRAC 310110)..... Note: Includes four square tubes, four strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.	418.15	67.74
	26 31 00 00-0184	EA Ballasted Photovoltaic Module Frame (UNIRAC 310351)..... Note: Excludes ballast.	203.53	
	26 31 00 00-0185	EA Ballasted Photovoltaic Module Frame With Module Mount (UNIRAC 310355)..... Note: Excludes ballast.	384.47	
	26 31 00 00-0186	EA 3" High Galvanized Steel Photovoltaic Module Standoff (UNIRAC 310051).....	68.36	22.58
	26 31 00 00-0187	EA 4" High Galvanized Steel Photovoltaic Module Standoff (UNIRAC 310052).....	69.44	22.58
	26 31 00 00-0188	EA 6" High Galvanized Steel Photovoltaic Module Standoff (UNIRAC 310053).....	70.43	22.58
	26 31 00 00-0189	EA 7" High Galvanized Steel Photovoltaic Module Standoff (UNIRAC 310054).....	72.90	22.58
	26 31 00 00-0190	EA 3" High Aluminum Photovoltaic Module Standoff (UNIRAC 310553).....	61.81	22.58
	26 31 00 00-0191	EA 4" High Aluminum Photovoltaic Module Standoff (UNIRAC 310554).....	63.06	22.58
	26 31 00 00-0192	EA 6" High Aluminum Photovoltaic Module Standoff (UNIRAC 310555).....	66.70	22.58
	26 31 00 00-0193	EA 7" High Aluminum Photovoltaic Module Standoff (UNIRAC 310556).....	65.67	22.58
	26 31 00 00-0194	EA 3" Photovoltaic Module FastFoot Standoff Assembly (UNIRAC 310390).....	139.65	33.87
	26 31 00 00-0195	EA 4" Photovoltaic Module FastFoot Standoff Assembly (UNIRAC 310391).....	139.65	33.87
	26 31 00 00-0196	EA 7" Photovoltaic Module FastFoot Standoff Assembly (UNIRAC 310394).....	141.87	33.87
	26 31 00 00-0197	EA Photovoltaic Module Rapidfoot Standoff Assembly (UNIRAC 310370).....	139.55	33.87
	26 31 00 00-0198	EA Photovoltaic Module Standoff Flashing (UNIRAC 990103).....	29.55	4.51
	26 31 00 00-0199	EA Photovoltaic Module Standoff Ethylene Propylene Diene Monomer (EPDM) Patch (UNIRAC 990161).....	18.21	4.51
	26 31 00 00-0200	EA 1/4" Photovoltaic Module Standing Seam Metal Roof Mounting Block (UNIRAC 004030M-0100).....	36.01	6.77
	26 31 00 00-0201	EA 3/8" Photovoltaic Module Standing Seam Metal Roof Mounting Block (UNIRAC 004031M-0100).....	37.70	6.77
	26 31 00 00-0202	EA Photovoltaic Module Standing Seam Metal Roof Mounting Clamp (UNIRAC 004032M-0100)..... Note: Mid or end clamp.	10.84	1.50
	26 31 00 00-0203	EA Photovoltaic Module Tile Roof Mounting Hook (UNIRAC 905011C-0024).....	51.36	4.51
	26 31 00 00-0204	EA Photovoltaic Module Wire Clip (UNIRAC 908002S-0100).....	2.22	

## 26 32 Packaged Generator Assemblies (26 30)

### 26 32 13 Engine Generators (26 32)

#### 26 32 13 13 Diesel-Engine-Driven Generator Sets (26 32 13)

See CSI section 01 22 23 00-0756 for fuel reimbursement for commissioning.

**26 Electrical****26 30 Facility Electrical Power Generating and Storing Equipment****26 32 Packaged Generator Assemblies**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>26 32 13 13-0001 Diesel Generator Sets (Cummins)</b> <small>(26 32 13 13)</small> Note: 3 Phase, 4-Wire 480/277 or 208/120 Volt complete with radiator, fuel pump, battery charger, silencer, exhaust flex, indicating and operating controls, electronic governor. Pricing based on installation above grade on concrete pad without enclosure. Includes manufacturer's representative at startup. Excludes fuel, fuel tank, enclosure, active diesel particulate filter, utility piping, wiring, automatic transfer switch, loadbank testing and concrete pad. See CSI section 01 22 23 00-0735 for loadbank rental, 26 36 23 00-0000 for automatic transfer switch.		
26 32 13 13-0002 EA 25 KW Diesel Generator Set, 3 Phase (Cummins DSKCA).....	30,421.16	829.26
For Weather Resistant Steel Diesel Generator Enclosure, Add	4,945.11	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	11,636.80	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	15,515.73	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	12,591.11	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	18,263.92	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	24,351.89	
26 32 13 13-0003 EA 35 KW Diesel Generator Set, 3 Phase (Cummins DSFAA).....	32,207.69	1,021.03
For Weather Resistant Steel Diesel Generator Enclosure, Add	4,945.11	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	11,636.80	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	15,515.73	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	12,591.11	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	18,263.92	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	24,351.89	
26 32 13 13-0004 EA 40 KW Diesel Generator Set, 3 Phase (Cummins DSFAB).....	33,187.93	1,119.50
For Weather Resistant Steel Diesel Generator Enclosure, Add	4,945.11	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	11,636.80	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	15,515.73	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	12,591.11	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	18,263.92	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	24,351.89	
26 32 13 13-0005 EA 50 KW Diesel Generator Set, 3 Phase (Cummins DSFAC).....	38,976.55	1,285.35
For Weather Resistant Steel Diesel Generator Enclosure, Add	4,945.11	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	11,636.80	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	15,515.73	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	12,591.11	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	18,263.92	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	24,351.89	
26 32 13 13-0006 EA 60 KW Diesel Generator Set, 3 Phase (Cummins DSFAD).....	42,002.43	1,477.12
For Weather Resistant Steel Diesel Generator Enclosure, Add	4,945.11	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	11,636.80	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	15,515.73	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	12,591.11	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	18,263.92	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	24,351.89	
26 32 13 13-0007 EA 80 KW Diesel Generator Set, 3 Phase (Cummins DSFAE).....	49,366.09	1,731.09
For Weather Resistant Steel Diesel Generator Enclosure, Add	4,945.11	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	11,636.80	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	15,515.73	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	12,591.11	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	18,263.92	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	24,351.89	
26 32 13 13-0008 EA 100 KW Diesel Generator Set, 3 Phase (Cummins DSGAA).....	53,061.88	2,010.95
For Weather Resistant Steel Diesel Generator Enclosure, Add	7,500.69	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	17,791.66	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	23,722.22	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	16,154.62	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	19,421.19	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	25,894.92	
26 32 13 13-0009 EA 125 KW Diesel Generator Set, 3 Phase (Cummins DSGAB).....	54,223.76	2,384.13
For Weather Resistant Steel Diesel Generator Enclosure, Add	7,500.69	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	17,791.66	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	23,722.22	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	16,154.62	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	19,421.19	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	25,894.92	
26 32 13 13-0010 EA 150 KW Diesel Generator Set, 3 Phase (Cummins DSGAC).....	59,941.90	2,627.72
For Weather Resistant Steel Diesel Generator Enclosure, Add	7,500.69	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	17,791.66	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	23,722.22	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	16,154.62	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	19,421.19	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	25,894.92	
26 32 13 13-0011 EA 175 KW Diesel Generator Set, 3 Phase (Cummins DSHAB).....	62,994.78	2,933.51
For Weather Resistant Steel Diesel Generator Enclosure, Add	7,500.69	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	17,791.66	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	23,722.22	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	16,154.62	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	19,421.19	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	25,894.92	
26 32 13 13-0012 EA 200 KW Diesel Generator Set, 3 Phase (Cummins DSHAC).....	66,978.76	3,213.38
For Weather Resistant Steel Diesel Generator Enclosure, Add	7,500.69	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	17,791.66	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	23,722.22	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	16,154.62	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	19,421.19	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	25,894.92	



<b>Electrical</b>	<b>26</b>	<b>26</b>	
<b>Facility Electrical Power Generating and Storing Equipment</b>			<b>26 30</b>
<b>Packaged Generator Assemblies</b>			<b>26 32</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 32 13 13-0013 EA 230 KW Diesel Generator Set, 3 Phase (Cummins DSHAD) .....	72,279.56	3,394.78
For Weather Resistant Steel Diesel Generator Enclosure, Add	7,500.69	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	17,791.66	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	23,722.22	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	16,154.62	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	19,421.19	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	25,894.92	
26 32 13 13-0014 EA 250 KW Diesel Generator Set, 3 Phase (Cummins DQDAA) .....	75,364.20	3,534.73
For Weather Resistant Steel Diesel Generator Enclosure, Add	48,643.80	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	53,862.81	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	71,817.07	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	58,997.62	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	65,840.38	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	87,787.18	
26 32 13 13-0015 EA 275 KW Diesel Generator Set, 3 Phase (Cummins DQHAA) .....	82,073.63	3,726.49
For Weather Resistant Steel Diesel Generator Enclosure, Add	48,643.80	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	53,862.81	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	71,817.07	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	58,997.62	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	65,840.38	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	87,787.18	
26 32 13 13-0016 EA 300 KW Diesel Generator Set, 3 Phase (Cummins DQHAB) .....	83,826.24	3,892.34
For Weather Resistant Steel Diesel Generator Enclosure, Add	48,643.80	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	53,862.81	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	71,817.07	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	58,997.62	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	65,840.38	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	87,787.18	
26 32 13 13-0017 EA 350 KW Diesel Generator Set, 3 Phase (Cummins DFEG) .....	94,613.39	4,353.62
For Weather Resistant Steel Diesel Generator Enclosure, Add	48,643.80	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	53,862.81	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	71,817.07	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	58,997.62	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	65,840.38	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	87,787.18	
26 32 13 13-0018 EA 400 KW Diesel Generator Set, 3 Phase (Cummins DFEG) .....	101,900.29	4,768.25
For Weather Resistant Steel Diesel Generator Enclosure, Add	48,643.80	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	53,862.81	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	71,817.07	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	58,997.62	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	65,840.38	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	87,787.18	
26 32 13 13-0019 EA 450 KW Diesel Generator Set, 3 Phase (Cummins DFEJ) .....	115,201.62	5,136.24
For Weather Resistant Steel Diesel Generator Enclosure, Add	48,643.80	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	53,862.81	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	71,817.07	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	58,997.62	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	65,840.38	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	87,787.18	
26 32 13 13-0020 EA 500 KW Diesel Generator Set, 3 Phase (Cummins DFEK) .....	121,204.88	5,473.12
For Weather Resistant Steel Diesel Generator Enclosure, Add	48,643.80	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	53,862.81	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	71,817.07	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	58,997.62	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	65,840.38	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	87,787.18	
26 32 13 13-0021 EA 600 KW Diesel Generator Set, 3 Phase (Cummins DQCA) .....	176,797.55	6,027.69
For Weather Resistant Steel Diesel Generator Enclosure, Add	99,370.36	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	119,665.13	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	159,553.51	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	116,878.90	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	139,408.07	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	185,877.43	
26 32 13 13-0022 EA 750 KW Diesel Generator Set, 3 Phase (Cummins DQCB) .....	202,551.56	6,628.90
For Weather Resistant Steel Diesel Generator Enclosure, Add	99,370.36	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	119,665.13	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	159,553.51	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	116,878.90	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	139,408.07	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	185,877.43	
26 32 13 13-0023 EA 800 KW Diesel Generator Set, 3 Phase (Cummins DQCC) .....	211,556.68	6,774.02
For Weather Resistant Steel Diesel Generator Enclosure, Add	99,370.36	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	119,665.13	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	159,553.51	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	116,878.90	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	139,408.07	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	185,877.43	
26 32 13 13-0024 EA 900 KW Diesel Generator Set, 3 Phase (Cummins DQFAC) .....	258,333.92	7,302.68
For Weather Resistant Steel Diesel Generator Enclosure, Add	99,370.36	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	119,665.13	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	159,553.51	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	116,878.90	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	139,408.07	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	185,877.43	

**26 Electrical**

**26 30 Facility Electrical Power Generating and Storing Equipment**

**26 32 Packaged Generator Assemblies**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 32 13	13-0025	EA	1,000 KW Diesel Generator Set, 3 Phase (Cummins DQFAD) <i>For Weather Resistant Steel Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 1 Steel Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Diesel Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add</i>	288,561.47 99,370.36 119,665.13 159,553.51 116,878.90 139,408.07 185,877.43	7,774.32
<b>26 32 13 19 Natural Gas-Engine-Driven Generator Sets (26 32 13)</b>					
<b>26 32 13 19-0001 Natural Gas Or Propane Generator Sets (Cummins) (26 32 13 19)</b>					
Note: 3 Phase, 4-Wire 480/277 or 208/120 Volt complete with radiator, fuel pump, battery charger, silencer, exhaust flex, indicating and operating controls, electronic governor. Pricing based on installation above grade on concrete pad without enclosure. Includes manufacturer's representative at startup. Excludes fuel, fuel tank, enclosure, utility piping, wiring, automatic transfer switch, loadbank testing and concrete pad. See CSI section 01 22 23 00-0735 for loadbank rental, 01 22 23 00-0756 for fuel reimbursement, 26 36 23 00-0000 for automatic transfer switches.					
26 32 13	19-0002	EA	20 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGMA) <i>For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add</i> <i>For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add</i> <i>For Quietsite Level 1 Aluminum Natural Gas Or Propane Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add</i>	12,893.50 4,497.66 11,636.80 15,515.73 4,871.29 6,061.45 8,081.94	694.51
26 32 13	19-0003	EA	25 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGMB) <i>For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add</i> <i>For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add</i> <i>For Quietsite Level 1 Aluminum Natural Gas Or Propane Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add</i>	14,564.10 4,497.66 11,636.80 15,515.73 4,871.29 6,061.45 8,081.94	829.26
26 32 13	19-0004	EA	29 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGMC) <i>For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add</i> <i>For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add</i> <i>For Quietsite Level 1 Aluminum Natural Gas Or Propane Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add</i>	16,828.32 4,497.66 11,636.80 15,515.73 4,871.29 6,061.45 8,081.94	922.55
26 32 13	19-0005	EA	35 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGPA) <i>For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add</i> <i>For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 1 Aluminum Natural Gas Or Propane Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add</i>	19,104.42 4,497.66 11,636.80 15,515.73 13,778.95 17,345.36 23,127.14	1,021.03
26 32 13	19-0006	EA	40 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGPB) <i>For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add</i> <i>For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 1 Aluminum Natural Gas Or Propane Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add</i>	21,454.00 4,497.66 11,636.80 15,515.73 13,778.95 17,345.36 23,127.14	1,119.50
26 32 13	19-0007	EA	45 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGPC) <i>For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add</i> <i>For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 1 Aluminum Natural Gas Or Propane Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add</i>	23,257.83 4,497.66 11,636.80 15,515.73 13,778.95 17,345.36 23,127.14	1,207.61
26 32 13	19-0008	EA	60 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGHE) <i>For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add</i> <i>For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 1 Aluminum Natural Gas Or Propane Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add</i>	25,424.46 4,497.66 11,636.80 15,515.73 13,778.95 17,345.36 23,127.14	1,477.12
26 32 13	19-0009	EA	70 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGHF) <i>For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add</i> <i>For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 1 Aluminum Natural Gas Or Propane Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add</i>	27,274.00 4,497.66 11,636.80 15,515.73 13,778.95 17,345.36 23,127.14	1,653.34
26 32 13	19-0010	EA	85 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGHG) <i>For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add</i> <i>For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add</i> <i>For Quietsite Level 1 Aluminum Natural Gas Or Propane Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add</i>	35,890.60 8,197.25 17,791.66 23,722.22 16,154.62 17,345.36 23,127.14	1,767.36



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 32 13 19-0011 EA 100 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGHH)..... <i>For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add</i> <i>For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add</i> <i>For Quietsite Level 1 Aluminum Natural Gas Or Propane Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add</i>	43,284.79 8,197.25 17,791.66 23,722.22 16,154.62 17,345.36 23,127.14	1,990.23
26 32 13 19-0012 EA 125 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGLA) ..... <i>For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add</i> <i>For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add</i> <i>For Quietsite Level 1 Aluminum Natural Gas Or Propane Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add</i>	49,549.51 8,197.25 17,791.66 23,722.22 16,154.62 17,345.36 23,127.14	2,384.13
26 32 13 19-0013 EA 150 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGLB) ..... <i>For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add</i> <i>For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add</i> <i>For Quietsite Level 1 Aluminum Natural Gas Or Propane Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add</i>	58,942.80 8,197.25 17,791.66 23,722.22 16,154.62 17,345.36 23,127.14	2,627.72
26 32 13 19-0014 EA 175 KW Natural Gas Generator Set, 3 Phase (Cummins GFBA) ..... <i>For Weather Resistant Steel Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 1 Aluminum Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add</i>	95,622.41 43,744.82 48,424.11 64,565.48 47,829.61 53,829.93 71,773.24	6,989.53
26 32 13 19-0015 EA 205 KW Natural Gas Generator Set, 3 Phase (Cummins GFBB) ..... <i>For Weather Resistant Steel Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 1 Aluminum Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add</i>	108,595.40 43,744.82 48,424.11 64,565.48 47,829.61 53,829.93 71,773.24	3,156.37
26 32 13 19-0016 EA 250 KW Natural Gas Generator Set, 3 Phase (Cummins GFBC) ..... <i>For Weather Resistant Steel Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 1 Aluminum Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add</i>	116,757.60 43,744.82 48,424.11 64,565.48 47,829.61 53,829.93 71,773.24	3,534.73
26 32 13 19-0017 EA 300 KW Natural Gas Generator Set, 3 Phase (Cummins GFEA) ..... <i>For Weather Resistant Steel Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 1 Aluminum Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add</i>	151,141.41 43,744.82 48,424.11 64,565.48 47,829.61 53,829.93 71,773.24	3,892.34
26 32 13 19-0018 EA 350 KW Natural Gas Generator Set, 3 Phase (Cummins GFEB) ..... <i>For Weather Resistant Steel Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 1 Aluminum Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add</i>	162,207.07 43,744.82 48,424.11 64,565.48 47,829.61 53,829.93 71,773.24	4,353.62
26 32 13 19-0019 EA 450 KW Natural Gas Generator Set, 3 Phase (Cummins GFGA) ..... <i>For Weather Resistant Steel Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 1 Aluminum Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add</i>	228,093.35 95,518.52 101,487.71 135,316.95 108,492.50 115,003.15 153,337.53	5,136.24
26 32 13 19-0020 EA 500 KW Natural Gas Generator Set, 3 Phase (Cummins GFJB) ..... <i>For Weather Resistant Steel Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 1 Aluminum Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add</i>	291,895.27 95,518.52 101,487.71 135,316.95 108,492.50 115,003.15 153,337.53	5,473.12
26 32 13 19-0021 EA 550 KW Natural Gas Generator Set, 3 Phase (Cummins GFJC) ..... <i>For Weather Resistant Steel Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 1 Aluminum Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add</i>	326,699.41 95,518.52 101,487.71 135,316.95 108,492.50 115,003.15 153,337.53	5,768.55
26 32 13 19-0022 EA 600 KW Natural Gas Generator Set, 3 Phase (Cummins GFJA) ..... <i>For Weather Resistant Steel Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 1 Aluminum Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add</i>	372,234.63 95,518.52 101,487.71 135,316.95 108,492.50 115,003.15 153,337.53	6,027.69

**26 Electrical**  
**26 30 Facility Electrical Power Generating and Storing Equipment**  
**26 32 Packaged Generator Assemblies**



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 32 13 19-0023 EA 650 KW Natural Gas Generator Set, 3 Phase (Cummins GFLB)..... <i>For Weather Resistant Steel Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 1 Aluminum Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add</i>	389,223.60 95,518.52 101,487.71 135,316.95 108,492.50 115,003.15 153,337.53	6,255.73
26 32 13 19-0024 EA 725 KW Natural Gas Generator Set, 3 Phase (Cummins GFLC) ..... <i>For Weather Resistant Steel Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 1 Aluminum Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add</i>	411,681.85 95,518.52 101,487.71 135,316.95 108,492.50 115,003.15 153,337.53	6,685.91
<b>26 32 13 19-0025 Small Natural Gas Or Propane Air Cooled Generator Sets (26 32 13 19)</b>		
26 32 13 19-0026 EA 7.5 KW Natural Gas Or Propane Air Cooled Generator Set ..... Note: Includes weatherproof composite enclosure and 100 A automatic transfer switch.	4,292.57	421.92
26 32 13 19-0027 EA 10 KW Natural Gas Or Propane Air Cooled Generator Set ..... Note: Includes weatherproof composite enclosure and 200 A automatic transfer switch.	5,437.88	468.80
26 32 13 19-0028 EA 14 KW Natural Gas Or Propane Air Cooled Generator Set ..... Note: Includes weatherproof composite enclosure and 200 A automatic transfer switch.	6,281.70	515.68
<b>26 32 29 Rotary Converters (26 32)</b>		
<b>26 32 29 00-0001 60 Hz AC Input 230 Or 460 Volt, 125 Volt DC Output (26 32 29)</b>		
26 32 29 00-0002 EA 3 KW, 24 Amperes, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion .....	9,637.08	180.65
26 32 29 00-0003 EA 5 KW, 40 Amperes, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion .....	11,770.75	180.65
26 32 29 00-0004 EA 7.5 KW, 60 Amperes, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion .....	15,640.84	180.65
26 32 29 00-0005 EA 10 KW, 80 Amperes, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion .....	15,765.03	180.65
26 32 29 00-0006 EA 15 KW, 120 Amperes, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion .....	17,479.45	225.81
26 32 29 00-0007 EA 20 KW, 160 Amperes, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion .....	18,945.48	225.81
26 32 29 00-0008 EA 25 KW, 200 Amperes, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion .....	19,847.00	225.81
26 32 29 00-0009 EA 40 KW, 320 Amperes, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion .....	24,147.07	298.06
26 32 29 00-0010 EA 50 KW, 400 Amperes, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion .....	26,864.95	298.06
<b>26 32 29 00-0011 60 Hz AC Input, 230 Or 460 Volt, 250 Volts DC Output (26 32 29)</b>		
26 32 29 00-0012 EA 3 KW, 12 Amperes, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion .....	11,181.75	180.65
26 32 29 00-0013 EA 5 KW, 20 Amperes, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion .....	13,362.22	180.65
26 32 29 00-0014 EA 7.5 KW, 30 Amperes, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion .....	15,304.76	180.65
26 32 29 00-0015 EA 10 KW, 40 Amperes, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion .....	15,733.52	180.65
26 32 29 00-0016 EA 15 KW, 60 Amperes, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion .....	17,803.83	225.81
26 32 29 00-0017 EA 20 KW, 80 Amperes, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion .....	19,598.45	225.81
26 32 29 00-0018 EA 25 KW, 100 Amperes, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion .....	20,251.42	225.81
26 32 29 00-0019 EA 40 KW, 160 Amperes, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion .....	24,050.18	298.06
26 32 29 00-0020 EA 50 KW, 200 Amperes, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion .....	25,528.84	298.06
<b>26 32 29 00-0021 460 Volt 3 Phase AC Motor Drive 250 Volt DC (26 32 29)</b>		
26 32 29 00-0022 EA 33 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion .....	26,113.09	3,628.02
26 32 29 00-0023 EA 40 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion .....	28,743.23	3,628.02
26 32 29 00-0024 EA 50 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion .....	32,580.81	5,182.88
26 32 29 00-0025 EA 65 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion .....	38,274.20	5,182.88
26 32 29 00-0026 EA 85 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion .....	43,650.99	5,182.88
26 32 29 00-0027 EA 100 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion .....	50,916.16	7,774.32
26 32 29 00-0028 EA 125 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion .....	61,321.68	7,774.32
<b>26 32 29 00-0029 4,160 Volt 3 Phase AC Motor Drive 250 Or 500 Volt DC (26 32 29)</b>		
26 32 29 00-0030 EA 170 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion .....	91,787.78	10,365.76
26 32 29 00-0031 EA 200 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion .....	99,926.03	10,365.76
26 32 29 00-0032 EA 240 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion .....	120,337.54	13,475.49
26 32 29 00-0033 EA 320 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion .....	136,631.53	16,377.90
26 32 29 00-0034 EA 400 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion .....	162,311.39	16,377.90
26 32 29 00-0035 EA 560 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion .....	230,771.87	24,463.19
26 32 29 00-0036 EA 640 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion .....	237,916.96	24,463.19
26 32 29 00-0037 EA 800 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion .....	274,553.55	28,505.83
<b>26 33 Battery Equipment (26 30)</b>		
<b>26 33 13 Batteries (26 33)</b>		
<b>26 33 13 00-0001 Standby Batteries (26 33 13)</b>		
26 33 13 00-0002 EA 12 Volt, 100 Ampere Hours To 10.5 Volt Capacity, 6-Cell, Valve Regulated Lead-Calcium, Standby Battery .....	1,180.12	22.63
26 33 13 00-0003 EA 12 Volt, 100 Ampere Hours To 10.5 Volt Capacity, 6-Cell, Valve Regulated Lead-Calcium, Standby Battery With Steel Jacket .....	1,276.29	22.63
26 33 13 00-0004 EA 725CCA, Group 31, 12 Volt Lead Calcium Standby Battery .....	352.39	22.63
26 33 13 00-0005 EA 810CCA, Group 24, 12 Volt Lead Calcium Standby Battery .....	318.61	22.63



<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Facility Electrical Power Generating and Storing Equipment</b>	<b>26 30</b>	
<b>Battery Equipment</b>	<b>26 33</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 33 13 00-0006 EA 1080CCA, Group 4D, 12 Volt Lead Calcium Standby Battery .....	559.47	22.63
26 33 13 00-0007 EA 1400CCA, Group 8D, 12 Volt Lead Calcium Standby Battery .....	652.80	22.63
<b>26 33 43 Battery Chargers (26 33)</b>		
<b>26 33 43 00-0001 Solid State Chargers, Single Phase (26 33 43)</b>		
Note: Includes wall bracket, 10' of DC charging cable and standard connector, 208/240/480 V.		
26 33 43 00-0002 EA Solid State Battery Charger, 6 Cell Single Phase With Wall Bracket, 208/240/480 Volt.....	3,047.57	515.65
26 33 43 00-0003 EA Solid State Battery Charger, 9 Cell Single Phase With Wall Bracket, 208/240/480 Volt.....	3,590.57	515.65
26 33 43 00-0004 EA Solid State Battery Charger, 12 Cell Single Phase With Wall Bracket, 208/240/480 Volt.....	3,958.31	515.65
26 33 43 00-0005 EA Solid State Battery Charger, 18 Cell Single Phase With Wall Bracket, 208/240/480 Volt.....	4,171.64	610.53
<b>26 33 53 Static Uninterruptible Power Supply (26 33)</b>		
<b>26 33 53 00-0001 Single Phase, Uninterruptible Power Supply Systems (UPS) (26 33 53)</b>		
<b>26 33 53 00-0002 Single Phase, Uninterruptible Power Supply Systems (UPS) (26 33 53 00-0001)</b>		
<b>26 33 53 00-0003 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (26 33 53 00-0002)</b>		
Note: Rack mount or tower configuration. Includes 40 or 70 Hertz automatic frequency detection, internal automatic and manual bypass switch and self diagnostics.		
26 33 53 00-0004 EA 0.5 kVA, 450 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-500RT120) .....	1,051.59	89.43
Note: Includes 12 minutes of battery backup at full load.		
26 33 53 00-0005 EA 0.7 kVA, 630 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-700RT120) .....	1,258.54	104.32
Note: Includes 6 minutes of battery backup at full load.		
26 33 53 00-0006 EA 1 kVA, 900 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-1000RT120) .....	1,560.27	119.22
Note: Includes 5 minutes of battery backup at full load.		
26 33 53 00-0007 EA 1.5 kVA, 1,350 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-1500RT120) .....	1,917.14	134.13
Note: Includes 5 minutes of battery backup at full load.		
26 33 53 00-0008 EA 2 kVA, 1,800 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-2000RT120) .....	2,482.33	149.03
Note: Includes 4 minutes of battery backup at full load.		
26 33 53 00-0009 EA 3 kVA, 2,700 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-3000RT120) .....	4,056.98	178.84
Note: Includes 4 minutes of battery backup at full load.		
<b>26 33 53 00-0010 208 Volt AC Output, 208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (26 33 53 00-0002)</b>		
Note: Rack mount or tower configuration. Includes 40 or 70 Hertz automatic frequency detection, internal automatic and manual bypass switch and self diagnostics.		
26 33 53 00-0011 EA 3 kVA, 2,700 Watt, 208 Volt AC Output, 208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-3000RT208) .....	3,979.11	178.84
Note: Includes 4 minutes of battery backup at full load.		
<b>26 33 53 00-0012 120/208 Volt AC Output, 120/208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (26 33 53 00-0002)</b>		
Note: Rack mount or tower configuration. Includes 50 or 60 Hertz automatic frequency detection, internal automatic and manual bypass switch and self diagnostics.		
26 33 53 00-0013 EA 5 kVA, 4,000 Watt, 120/208 Volt AC Output, 120/208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-5000RT208) .....	6,174.30	238.46
Note: Includes 5 minutes of battery backup at full load.		
26 33 53 00-0014 EA 6 kVA, 4,800 Watt, 120/208 Volt AC Output, 120/208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-6000RT208) .....	6,744.83	268.27
Note: Includes 4 minutes of battery backup at full load.		
26 33 53 00-0015 EA 8 kVA, 7,200 Watt, 120/208 Volt AC Output, 120/208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-8000RT208) .....	10,156.15	327.87
Note: Includes 7 minutes of battery backup at full load.		
26 33 53 00-0016 EA 10 kVA, 9,000 Watt, 120/208 Volt AC Output, 120/208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-10000RT208) .....	11,693.17	357.68
Note: Includes 4-1/2 minutes of battery backup at full load.		
<b>26 33 53 00-0017 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (26 33 53 00-0002)</b>		
Note: Rack mount or tower configuration. Includes 40 or 70 Hertz automatic frequency detection, internal automatic and manual bypass switch and self diagnostics.		
26 33 53 00-0018 EA 0.7 kVA, 630 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-700RT230) .....	1,258.54	104.32
Note: Includes 11 minutes of battery backup at full load.		
26 33 53 00-0019 EA 1 kVA, 900 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-1000RT230) .....	1,560.27	119.22
Note: Includes 6 minutes of battery backup at full load.		

**26 Electrical**

**26 30 Facility Electrical Power Generating and Storing Equipment**

**26 33 Battery Equipment**



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 33 53 00-0020 EA 1.5 KVA, 1,350 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (Liebert® GXT3-1500RT230).....	1,940.14	134.13
Note: Includes 4 minutes of battery backup at full load.		
26 33 53 00-0021 EA 2 KVA, 1,800 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-2000RT230).....	2,487.88	149.03
Note: Includes 4 minutes of battery backup at full load.		
26 33 53 00-0022 EA 3 KVA, 2,700 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-3000RT230).....	4,074.26	178.84
Note: Includes 4 minutes of battery backup at full load.		
26 33 53 00-0023 EA 5 KVA, 4,000 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-5000RT230).....	5,914.25	238.46
Note: Includes 9 minutes of battery backup at full load.		
26 33 53 00-0024 EA 6 KVA, 4,800 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-6000RT230).....	7,285.49	268.27
Note: Includes 6 minutes of battery backup at full load.		
26 33 53 00-0025 EA 10 KVA, 9,000 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-10000RT230).....	11,321.42	357.68
Note: Includes 3 minutes of battery backup at full load.		
<b>26 33 53 00-0026 Optional Accessories For Single Phase, Uninterruptible Power Supply Systems</b> <small>(26 33 53 00-0001)</small>		
26 33 53 00-0027 EA External Battery Cabinet For 0.5 To 2 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-48VBATT).....	737.48	27.10
Note: Rack mount or tower configuration.		
26 33 53 00-0028 EA External Battery Cabinet For 3 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-72VBATT).....	971.40	27.10
Note: Rack mount or tower configuration.		
26 33 53 00-0029 EA External Battery Cabinet For 5 To 6 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-144VBATT).....	945.36	27.10
Note: Rack mount or tower configuration.		
26 33 53 00-0030 EA External Battery Cabinet For 8 To 10 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-288RTVBATT).....	636.71	27.10
Note: Rack mount or tower configuration.		
26 33 53 00-0031 EA Internal Replacement Battery For 5 To 6 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-144VBATKIT).....	880.49	89.43
26 33 53 00-0032 EA Internal Replacement Battery For 8 To 10 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-288RTBKIT).....	970.81	119.22
<b>26 33 53 00-0033 Three Phase, Uninterruptible Power Supply Systems (UPS)</b> <small>(26 33 53)</small>		
<b>26 33 53 00-0034 208 Volt AC Output, 120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply (UPS) With Internal Battery</b> <small>(26 33 53 00-0033)</small>		
Note: Includes start-up, 60 Hz frequency, bypass switch and diagnostics.		
26 33 53 00-0035 EA 10 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System With Internal Battery (Emerson eXM UPS).....	41,175.65	357.68
26 33 53 00-0036 EA 15 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System With Internal Battery (Emerson eXM UPS).....	45,507.38	476.90
26 33 53 00-0037 EA 20 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System With Internal Battery (Emerson eXM UPS).....	50,807.52	596.14
26 33 53 00-0038 EA 30 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System With Internal Battery (Emerson eXM UPS).....	55,042.41	715.36
26 33 53 00-0039 EA 40 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System With Internal Battery (Emerson eXM UPS).....	66,249.78	834.60
<b>26 33 53 00-0040 208 Volt AC Output, 120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply (UPS) Without Internal Battery</b> <small>(26 33 53 00-0033)</small>		
Note: Excludes Internal Battery See CSI section 26 33 53 00-0055 for batteries.		
26 33 53 00-0041 EA 60 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS).....	89,671.13	1,422.60
26 33 53 00-0042 EA 80 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS).....	97,201.16	1,761.31
26 33 53 00-0043 EA 100 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS).....	107,401.04	2,054.87
26 33 53 00-0044 EA 120 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS).....	132,934.22	2,325.84
26 33 53 00-0045 EA 140 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS).....	137,807.90	2,596.80
26 33 53 00-0046 EA 160 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS).....	143,321.25	2,867.78
26 33 53 00-0047 EA 180 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS).....	149,996.70	3,138.75
26 33 53 00-0048 EA 200 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS).....	156,672.15	3,409.72
<b>26 33 53 00-0049 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply (UPS) Without Internal Battery</b> <small>(26 33 53 00-0033)</small>		
Note: Excludes Internal Battery See CSI section 26 33 53 00-0055 for batteries.		
26 33 53 00-0050 EA 50 kVA, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS).....	83,773.89	1,174.21





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 33 53 00-0051 EA 100 kVA, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS).....	107,982.08	2,063.90
26 33 53 00-0052 EA 150 kVA, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS).....	148,031.25	2,384.54
26 33 53 00-0053 EA 200 kVA, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS).....	174,629.67	2,619.39
26 33 53 00-0054 EA 250 kVA, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS).....	204,520.65	2,890.36
<b>26 33 53 00-0055 Optional Accessories For Three Phase, Uninterruptible Power Supply Systems</b> <small>(26 33 53 00-0033)</small>		
26 33 53 00-0056 EA Programmable Relay Board For Three Phase Uninterruptible Power Supply Systems.....	644.35	45.16
26 33 53 00-0057 EA Network Interface Card For Three Phase Uninterruptible Power Supply Systems.....	1,054.76	45.16
26 33 53 00-0058 EA Remote Status Panel With 100' Of Cable For Three Phase Uninterruptible Power Supply Systems.....	1,964.45	90.33
26 33 53 00-0059 EA Slim Line Distribution Panel With Two 42 Pole Panels For Three Phase Uninterruptible Power Supply Systems.....	6,010.72	361.29
26 33 53 00-0060 EA 12 Volt, 491 Watt, 3 Phase, 134 Ampere Hours, Battery For Uninterruptible Power Supply Systems (C&D UPS12-490MR).....	624.22	45.16
26 33 53 00-0061 EA 12 Volt, 204 Watt, 3 Phase, 55 Ampere Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX200).....	336.90	45.16
26 33 53 00-0062 EA 12 Volt, 257 Watt, 3 Phase, 65 Ampere Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX250).....	378.83	45.16
26 33 53 00-0063 EA 12 Volt, 311 Watt, 3 Phase, 75 Ampere Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX300).....	420.75	45.16
26 33 53 00-0064 EA 12 Volt, 374 Watt, 3 Phase, 90 Ampere Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX350).....	496.22	45.16
26 33 53 00-0065 EA 12 Volt, 415 Watt, 3 Phase, 100 Ampere Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX400).....	521.37	45.16
26 33 53 00-0066 EA 12 Volt, 493 Watt, 3 Phase, 135 Ampere Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX500).....	651.34	45.16
26 33 53 00-0067 EA 12 Volt, 540 Watt, 3 Phase, 150 Ampere Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX540).....	682.79	45.16
<b>26 33 53 00-0068 Other Uninterruptable Power Supply Equipment</b> <small>(26 33 53)</small>		
26 33 53 00-0069 EA Uninterrupted Power Supply Slim-Line Distribution Panel 42 Pole GE Plug-In.....	6,134.70	82.50
26 33 53 00-0070 EA Uninterrupted Power Supply Slim-Line Distribution Panel 84 Pole GE Plug-In.....	7,328.96	165.01
26 33 53 00-0071 EA 1 Pole, 15 To 60 Amperes, GE Plug-In Breakers For UPS Distribution Panel.....	28.43	4.95
26 33 53 00-0072 EA 2 Pole, 15 To 40 Amperes, GE Plug-In Breakers For UPS Distribution Panel.....	53.54	6.19
26 33 53 00-0073 EA 2 Pole, 50 To 80 Amperes, GE Plug-In Breakers For UPS Distribution Panel.....	105.00	6.19
26 33 53 00-0074 EA 3 Pole, 15 To 60 Amperes, GE Plug-In Breakers For UPS Distribution Panel.....	154.42	8.25
26 33 53 00-0075 EA 3 Pole, 70 To 100 Amperes, GE Plug-In Breakers For UPS Distribution Panel.....	222.35	8.25
26 33 53 00-0076 EA Uninterrupted Power Supply Remote Status Panel.....	4,179.11	82.50
26 33 53 00-0077 EA Uninterrupted Power Supply Remote Contact Board.....	1,358.85	61.88
<b>26 35 Power Filters and Conditioners</b> <small>(26 30)</small>		
<b>26 35 33 Power Factor Correction Equipment</b> <small>(26 35)</small>		
<b>26 35 33 16 Low-Voltage Power Factor Correction Equipment</b> <small>(26 35 33)</small>		
<b>26 35 33 16-0001 Power Factor Correction Capacitors</b> <small>(26 35 33 16)</small>		
26 35 33 16-0002 EA Power Factor Correction Capacitors, 2.0 KVAC.....	760.86	
26 35 33 16-0003 EA Power Factor Correction Capacitors, 3.0 KVAC.....	842.67	
26 35 33 16-0004 EA Power Factor Correction Capacitors, 4.0 KVAC.....	924.48	
26 35 33 16-0005 EA Power Factor Correction Capacitors, 5.0 KVAC.....	1,003.02	
26 35 33 16-0006 EA Power Factor Correction Capacitors, 7.5 KVAC.....	1,232.10	
26 35 33 16-0007 EA Power Factor Correction Capacitors, 10.0 KVAC.....	1,505.35	
26 35 33 16-0008 EA Power Factor Correction Capacitors, 15.0 KVAC.....	2,325.11	
26 35 33 16-0009 EA Power Factor Correction Capacitors, 20.0 KVAC.....	2,824.17	
26 35 33 16-0010 EA Power Factor Correction Capacitors, 25.0 KVAC.....	3,648.84	
26 35 33 16-0011 EA Power Factor Correction Capacitors, 30.0 KVAC.....	4,149.53	
26 35 33 16-0012 EA Power Factor Correction Capacitors, 50.0 KVAC.....	7,281.32	
26 35 33 16-0013 EA Power Factor Correction Capacitors, 75.0 KVAC.....	10,948.16	
26 35 33 16-0014 EA Power Factor Correction Capacitors, 100.0 KVAC.....	14,598.64	
26 35 33 16-0015 EA Power Factor Correction Capacitors, Fuse Kit.....	677.41	
<b>26 35 43 Static-Frequency Converters</b> <small>(26 35)</small>		
<b>26 35 43 00-0001 Rotary Phase Converter With NEMA 1 Indoor Enclosure</b> <small>(26 35 43)</small>		
26 35 43 00-0002 EA 750 Watt Output Rotary Phase Converter With NEMA 1 Enclosure.....	652.63	90.33
26 35 43 00-0003 EA 2 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	1,159.86	108.39
26 35 43 00-0004 EA 3 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	1,326.55	144.52
26 35 43 00-0005 EA 5 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	1,828.98	180.65
26 35 43 00-0006 EA 7 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	2,529.37	234.85
26 35 43 00-0007 EA 11 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	3,279.11	289.04
26 35 43 00-0008 EA 15 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	4,127.51	343.23
26 35 43 00-0009 EA 21 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	5,056.50	388.39
26 35 43 00-0010 EA 29 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	5,860.44	469.68
26 35 43 00-0011 EA 36 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	6,717.86	528.40

**26 Electrical****26 30 Facility Electrical Power Generating and Storing Equipment****26 35 Power Filters and Conditioners**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 35 43 00-0012 EA 44 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	7,575.29	587.10
26 35 43 00-0013 EA 55 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	9,422.52	709.04
26 35 43 00-0014 EA 74 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	12,301.60	853.56
26 35 43 00-0015 EA 87 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	15,631.96	1,038.72
26 35 43 00-0016 EA 110 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	17,858.92	1,214.85
26 35 43 00-0017 EA 125 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	23,171.00	1,354.86
26 35 43 00-0018 EA 165 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	35,865.80	1,535.50
26 35 43 00-0019 EA 220 KW Output Rotary Phase Converter With NEMA 1 Enclosure.....	53,987.34	1,716.15

**26 35 53 Voltage Regulators (26 35)****26 35 53 00-0001 Voltage Regulators, 480/277 Or 208/120 Volt, 3 Phase (26 35 53)**

Note: For diesel motor generator sets mounted in switchgear cabinet.

26 35 53 00-0002 EA 50 KVA Volt Regulator For Diesel M-G 480/277 Or 208/120 Volt, 3 Phase In Switchgear .....	6,229.77	1,436.15
26 35 53 00-0003 EA 75 KVA Volt Regulator For Diesel M-G 480/277 Or 208/120 Volt, 3 Phase In Switchgear .....	6,977.12	1,806.48
26 35 53 00-0004 EA 100 KVA Volt Regulator For Diesel M-G 480/277 Or 208/120 Volt, 3 Phase In Switchgear .....	7,665.30	2,149.71

**26 36 Transfer Switches (26 36)****26 36 13 Manual Transfer Switches (26 36)****26 36 13 00-0001 Fused Manual Transfer Switches (26 36 13)**

26 36 13 00-0002 EA 30 Amperes, Manual Transfer Switch, Fused, 3 Pole, 480 Volt.....	1,237.37	158.07
26 36 13 00-0003 EA 60 Amperes, Manual Transfer Switch, Fused, 3 Pole, 480 Volt.....	1,433.29	196.36

**26 36 13 00-0004 Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure**

(26 36 13)

26 36 13 00-0005 EA 40 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT40).....	3,502.56	234.40
For NEMA 3R Enclosure, Add	1,193.86	
For NEMA 12 Enclosure, Add	1,123.62	
26 36 13 00-0006 EA 70 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT70).....	3,859.00	281.28
For NEMA 3R Enclosure, Add	1,193.86	
For NEMA 12 Enclosure, Add	1,123.62	
26 36 13 00-0007 EA 125 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT125).....	4,371.25	328.16
For NEMA 3R Enclosure, Add	1,193.86	
For NEMA 12 Enclosure, Add	1,123.62	
26 36 13 00-0008 EA 150 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT150).....	5,460.00	375.04
For NEMA 3R Enclosure, Add	1,404.54	
For NEMA 12 Enclosure, Add	1,123.62	
26 36 13 00-0009 EA 225 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT225).....	6,800.60	421.92
For NEMA 3R Enclosure, Add	1,404.54	
For NEMA 12 Enclosure, Add	1,123.62	
26 36 13 00-0010 EA 260 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT260).....	7,651.51	468.80
For NEMA 3R Enclosure, Add	1,404.54	
For NEMA 12 Enclosure, Add	1,123.62	
26 36 13 00-0011 EA 300 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT300).....	8,516.59	515.68
For NEMA 3R Enclosure, Add	1,657.35	
For NEMA 12 Enclosure, Add	1,404.54	
26 36 13 00-0012 EA 400 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT400).....	10,042.24	562.56
For NEMA 3R Enclosure, Add	1,657.35	
For NEMA 12 Enclosure, Add	1,404.54	
26 36 13 00-0013 EA 600 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT600).....	13,322.51	703.20
For NEMA 3R Enclosure, Add	1,657.35	
For NEMA 12 Enclosure, Add	1,404.54	
26 36 13 00-0014 EA 800 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT800).....	14,935.24	843.84
For NEMA 3R Enclosure, Add	2,036.56	
For NEMA 12 Enclosure, Add	1,966.35	
26 36 13 00-0015 EA 1,000 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT1000).....	19,957.61	1,243.89
For NEMA 3R Enclosure, Add	2,036.56	
For NEMA 12 Enclosure, Add	1,966.35	

**26 36 23 Automatic Transfer Switches (26 36)****26 36 23 00-0001 Automatic Transfer Switch (26 36 23)****26 36 23 00-0002 Automatic Transfer Switch, 2 Pole Circuit Breaker, NEMA 1 Enclosure (26 36 23)**

00-0001)

Note: Programmable, 120/240 volt single phase, 3 wire.

26 36 23 00-0003 EA 100 Amperes, Automatic Transfer Switch, 120/240 Volt, NEMA 1, 2 Pole Circuit Breaker, Programmable, 3 Wire.....	3,046.80	328.16
26 36 23 00-0004 EA 225 Amperes, Automatic Transfer Switch, 120/240 Volt, NEMA 1, 2 Pole Circuit Breaker, Programmable, 3 Wire.....	4,169.74	421.92
26 36 23 00-0005 EA 400 Amperes, Automatic Transfer Switch, 120/240 Volt, NEMA 1, 2 Pole Circuit Breaker, Programmable, 3 Wire.....	6,737.59	562.56
26 36 23 00-0006 EA 600 Amperes, Automatic Transfer Switch, 120/240 Volt, NEMA 1, 2 Pole Circuit Breaker, Programmable, 3 Wire.....	11,172.13	703.20

**26 36 23 00-0007 Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (26 36 23)**

00-0001)

26 36 23 00-0008 EA 40 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC40).....	5,338.78	234.40
For NEMA 3R Enclosure, Add	1,193.86	
For NEMA 4 Enclosure, Add	1,264.08	
For NEMA 12 Enclosure, Add	1,264.08	



<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Facility Electrical Power Generating and Storing Equipment</b>	<b>26 30</b>	
<b>Transfer Switches</b>	<b>26 36</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 36 23 00-0009 EA 70 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC70) ..... <i>For NEMA 3R Enclosure, Add</i> <i>For NEMA 4 Enclosure, Add</i> <i>For NEMA 12 Enclosure, Add</i>	6,152.33 1,193.86 1,264.08 1,264.08	281.28
26 36 23 00-0010 EA 125 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC125) ..... <i>For NEMA 3R Enclosure, Add</i> <i>For NEMA 4 Enclosure, Add</i> <i>For NEMA 12 Enclosure, Add</i>	6,743.13 1,193.86 1,264.08 1,264.08	328.16
26 36 23 00-0011 EA 150 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC150) ..... <i>For NEMA 3R Enclosure, Add</i> <i>For NEMA 4 Enclosure, Add</i> <i>For NEMA 12 Enclosure, Add</i>	8,038.29 1,404.54 1,825.89 1,264.08	375.04
26 36 23 00-0012 EA 225 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC225) ..... <i>For NEMA 3R Enclosure, Add</i> <i>For NEMA 4 Enclosure, Add</i> <i>For NEMA 12 Enclosure, Add</i>	9,185.37 1,404.54 1,825.89 1,264.08	421.92
26 36 23 00-0013 EA 260 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC260) ..... <i>For NEMA 3R Enclosure, Add</i> <i>For NEMA 4 Enclosure, Add</i> <i>For NEMA 12 Enclosure, Add</i>	10,132.85 1,404.54 1,825.89 1,264.08	468.80
26 36 23 00-0014 EA 300 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC300) ..... <i>For NEMA 3R Enclosure, Add</i> <i>For NEMA 4 Enclosure, Add</i> <i>For NEMA 12 Enclosure, Add</i>	10,560.12 1,657.35 1,966.35 1,404.54	515.68
26 36 23 00-0015 EA 400 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC400) ..... <i>For NEMA 3R Enclosure, Add</i> <i>For NEMA 4 Enclosure, Add</i> <i>For NEMA 12 Enclosure, Add</i>	11,964.73 1,657.35 1,966.35 1,404.54	562.56
26 36 23 00-0016 EA 600 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC600) ..... <i>For NEMA 3R Enclosure, Add</i> <i>For NEMA 4 Enclosure, Add</i> <i>For NEMA 12 Enclosure, Add</i>	16,469.57 1,657.35 1,966.35 1,404.54	703.20
26 36 23 00-0017 EA 800 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC800) ..... <i>For NEMA 3R Enclosure, Add</i> <i>For NEMA 4 Enclosure, Add</i> <i>For NEMA 12 Enclosure, Add</i>	18,410.66 2,036.56 2,247.26 1,966.35	843.84
26 36 23 00-0018 EA 1,000 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC1000) ..... <i>For NEMA 3R Enclosure, Add</i> <i>For NEMA 4 Enclosure, Add</i> <i>For NEMA 12 Enclosure, Add</i>	24,020.20 2,036.56 2,247.26 1,966.35	1,243.89
26 36 23 00-0019 EA 1,200 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC1200) ..... <i>For NEMA 3R Enclosure, Add</i> <i>For NEMA 4 Enclosure, Add</i> <i>For NEMA 12 Enclosure, Add</i>	31,428.01 4,494.50 2,528.16 2,106.80	1,347.55
26 36 23 00-0020 EA 1,600 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC1600) ..... <i>For NEMA 3R Enclosure, Add</i> <i>For NEMA 4 Enclosure, Add</i> <i>For NEMA 12 Enclosure, Add</i>	33,394.31 7,303.55 8,988.98 7,303.55	1,554.86
26 36 23 00-0021 EA 2,000 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC2000) ..... <i>For NEMA 3R Enclosure, Add</i> <i>For NEMA 4 Enclosure, Add</i> <i>For NEMA 12 Enclosure, Add</i>	38,197.08 7,303.55 8,988.98 7,303.55	1,762.18
26 36 23 00-0022 EA 3,000 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC3000) ..... <i>For NEMA 3R Enclosure, Add</i>	46,086.27 7,303.55	2,176.81
26 36 23 00-0023 EA 4,000 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC4000) ..... <i>For NEMA 3R Enclosure, Add</i>	81,119.87 13,539.65	2,591.44
<b>26 36 23 00-0024 Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure</b> <small>(26 36 23 00-0001)</small>		
26 36 23 00-0025 EA 150 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC150) ..... <i>For NEMA 3R Enclosure, Add</i> <i>For NEMA 4 Enclosure, Add</i> <i>For NEMA 12 Enclosure, Add</i>	25,885.71 2,457.94 2,528.16 1,334.32	1,781.44
26 36 23 00-0026 EA 225 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC225) ..... <i>For NEMA 3R Enclosure, Add</i> <i>For NEMA 4 Enclosure, Add</i> <i>For NEMA 12 Enclosure, Add</i>	27,003.17 2,457.94 2,528.16 1,334.32	1,875.20
26 36 23 00-0027 EA 260 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC260) ..... <i>For NEMA 3R Enclosure, Add</i> <i>For NEMA 4 Enclosure, Add</i> <i>For NEMA 12 Enclosure, Add</i>	28,303.32 2,457.94 2,528.16 1,334.32	1,968.96
26 36 23 00-0028 EA 300 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC300) ..... <i>For NEMA 3R Enclosure, Add</i> <i>For NEMA 4 Enclosure, Add</i> <i>For NEMA 12 Enclosure, Add</i>	31,807.81 2,457.94 2,528.16 1,334.32	2,015.84
26 36 23 00-0029 EA 400 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC400) ..... <i>For NEMA 3R Enclosure, Add</i> <i>For NEMA 4 Enclosure, Add</i> <i>For NEMA 12 Enclosure, Add</i>	37,027.95 2,457.94 2,528.16 1,334.32	2,062.72
26 36 23 00-0030 EA 600 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC600) ..... <i>For NEMA 3R Enclosure, Add</i> <i>For NEMA 4 Enclosure, Add</i> <i>For NEMA 12 Enclosure, Add</i>	44,844.58 2,457.94 2,528.16 1,404.54	2,156.48

**26 Electrical**  
**26 30 Facility Electrical Power Generating and Storing Equipment**  
**26 36 Transfer Switches**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 36 23 00-0031	EA		800 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC800).....	49,589.79	2,250.24
			<i>For NEMA 3R Enclosure, Add</i>	2,528.16	
			<i>For NEMA 4 Enclosure, Add</i>	2,528.16	
			<i>For NEMA 12 Enclosure, Add</i>	1,544.99	
26 36 23 00-0032	EA		1,000 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC1000).....	62,552.80	2,625.28
			<i>For NEMA 3R Enclosure, Add</i>	2,528.16	
			<i>For NEMA 4 Enclosure, Add</i>	2,528.16	
			<i>For NEMA 12 Enclosure, Add</i>	1,544.99	
26 36 23 00-0033	EA		1,200 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC1200).....	82,931.80	3,109.73
			<i>For NEMA 3R Enclosure, Add</i>	11,236.23	
			<i>For NEMA 4 Enclosure, Add</i>	14,045.28	
			<i>For NEMA 12 Enclosure, Add</i>	11,236.23	
26 36 23 00-0034	EA		1,600 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC1600).....	108,961.92	3,317.04
			<i>For NEMA 3R Enclosure, Add</i>	23,876.97	
			<i>For NEMA 4 Enclosure, Add</i>	23,876.97	
			<i>For NEMA 12 Enclosure, Add</i>	22,247.72	
26 36 23 00-0035	EA		2,000 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC2000).....	123,865.36	3,628.02
			<i>For NEMA 3R Enclosure, Add</i>	23,876.97	
			<i>For NEMA 4 Enclosure, Add</i>	23,876.97	
			<i>For NEMA 12 Enclosure, Add</i>	22,247.72	
26 36 23 00-0036	EA		3,000 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC3000).....	199,816.57	4,146.30
			<i>For NEMA 3R Enclosure, Add</i>	29,495.07	
26 36 23 00-0037	EA		4,000 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC4000).....	215,485.05	4,664.59
			<i>For NEMA 3R Enclosure, Add</i>	29,495.07	
<b>26 36 23 00-0038 Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure <small>(26 36 23 00-0001)</small></b>					
26 36 23 00-0039	EA		40 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE40).....	8,882.44	234.40
			<i>For NEMA 3R Enclosure, Add</i>	702.27	
			<i>For NEMA 12 Enclosure, Add</i>	1,264.08	
26 36 23 00-0040	EA		70 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE70).....	9,573.68	281.28
			<i>For NEMA 3R Enclosure, Add</i>	702.27	
			<i>For NEMA 12 Enclosure, Add</i>	1,264.08	
26 36 23 00-0041	EA		125 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE125).....	10,263.63	328.16
			<i>For NEMA 3R Enclosure, Add</i>	702.27	
			<i>For NEMA 12 Enclosure, Add</i>	1,264.08	
26 36 23 00-0042	EA		150 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE150).....	12,348.12	375.04
			<i>For Four Pole Circuit Breaker, Add</i>	3,511.32	
			<i>For NEMA 3R Enclosure, Add</i>	702.27	
			<i>For NEMA 12 Enclosure, Add</i>	1,264.08	
26 36 23 00-0043	EA		225 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE225).....	16,155.52	421.92
			<i>For Four Pole Circuit Breaker, Add</i>	3,511.32	
			<i>For NEMA 3R Enclosure, Add</i>	702.27	
			<i>For NEMA 12 Enclosure, Add</i>	1,264.08	
26 36 23 00-0044	EA		250 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE250).....	17,177.69	468.80
			<i>For Four Pole Circuit Breaker, Add</i>	3,511.32	
			<i>For NEMA 3R Enclosure, Add</i>	702.27	
			<i>For NEMA 12 Enclosure, Add</i>	1,264.08	
26 36 23 00-0045	EA		300 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE300).....	17,831.60	515.68
			<i>For Four Pole Circuit Breaker, Add</i>	4,775.40	
			<i>For NEMA 3R Enclosure, Add</i>	1,825.89	
			<i>For NEMA 12 Enclosure, Add</i>	1,404.54	
26 36 23 00-0046	EA		400 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE400).....	20,203.24	562.56
			<i>For Four Pole Circuit Breaker, Add</i>	4,775.40	
			<i>For NEMA 3R Enclosure, Add</i>	1,825.89	
			<i>For NEMA 12 Enclosure, Add</i>	1,404.54	
26 36 23 00-0047	EA		600 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE600).....	24,490.47	703.20
			<i>For Four Pole Circuit Breaker, Add</i>	4,775.40	
			<i>For NEMA 3R Enclosure, Add</i>	1,825.89	
			<i>For NEMA 12 Enclosure, Add</i>	1,404.54	
26 36 23 00-0048	EA		800 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE800).....	25,384.67	843.84
			<i>For Four Pole Circuit Breaker, Add</i>	6,811.96	
			<i>For NEMA 3R Enclosure, Add</i>	3,146.15	
			<i>For NEMA 12 Enclosure, Add</i>	1,966.35	
26 36 23 00-0049	EA		1,000 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE1000).....	30,046.50	1,243.89
			<i>For Four Pole Circuit Breaker, Add</i>	6,811.96	
			<i>For NEMA 3R Enclosure, Add</i>	3,146.15	
			<i>For NEMA 12 Enclosure, Add</i>	1,966.35	



<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Facility Electrical Power Generating and Storing Equipment</b>	<b>26 30</b>	
<b>Transfer Switches</b>	<b>26 36</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 36 23 00-0050	<b>Accessories</b> <small>(26 36 23)</small>		
26 36 23 00-0051	EA Auxiliary Contacts For Automatic Transfer Switch .....	325.86	
26 36 23 00-0052	EA Battery Charger For Automatic Transfer Switch .....	2,668.61	
26 36 23 00-0053	EA Elevator Relay Signal For Automatic Transfer Switch .....	969.13	

**26 40 Electrical And Cathodic Protection** (26)

**26 43 Surge Protective Devices** (26 40)

**26 43 13 Surge Protective Devices for Low-Voltage Electrical Power Circuits** (26 43)

26 43 13 00-0001	25 kA Low Exposure (14 kAIC) Transient Voltage Surge Suppression <small>(26 43 13)</small> Note: Liebert LPL		
26 43 13 00-0002	EA 120/240 Volt AC Single Phase, 3 Wire 25 kA Low Exposure Transient Voltage Surge Suppressor .....	217.76	22.58
26 43 13 00-0003	EA 208 Volt AC Three Phase, 3 Wire 25 kA Low Exposure Transient Voltage Surge Suppressor .....	235.27	22.58
26 43 13 00-0004	EA 240/120 Volt AC Three Phase, 4 Wire 25 kA Low Exposure Transient Voltage Surge Suppressor .....	244.30	27.10
26 43 13 00-0005	EA 277 Volt AC Single Phase, 2 Wire 25 kA Low Exposure Transient Voltage Surge Suppressor .....	203.72	18.06
26 43 13 00-0006	EA 480/277 Volt AC Three Phase, 4 Wire 25 kA Low Exposure Transient Voltage Surge Suppressor .....	244.30	27.10
26 43 13 00-0007	50 kA Low Exposure (14 kAIC) Transient Voltage Surge Suppression <small>(26 43 13)</small> Note: Liebert LPL		
26 43 13 00-0008	EA 120/240 Volt AC Single Phase, 3 Wire 50 kA Low Exposure Transient Voltage Surge Suppressor .....	304.05	22.58
26 43 13 00-0009	EA 208/120 Volt AC Three Phase, 4 Wire 50 kA Low Exposure Transient Voltage Surge Suppressor .....	323.09	27.10
26 43 13 00-0010	EA 208 Volt AC Three Phase, 3 Wire 50 kA Low Exposure Transient Voltage Surge Suppressor .....	314.06	22.58
26 43 13 00-0011	EA 480/277 Volt AC Three Phase, 4 Wire 50 kA Low Exposure Transient Voltage Surge Suppressor .....	323.09	27.10
26 43 13 00-0012	100 kA Low Exposure (14 kAIC) Transient Voltage Surge Suppression <small>(26 43 13)</small> Note: Liebert LPL		
26 43 13 00-0013	EA 120/240 Volt AC Single Phase, 3 Wire 100 kA Low Exposure Transient Voltage Surge Suppressor .....	369.09	22.58
26 43 13 00-0014	EA 208/120 Volt AC Three Phase, 4 Wire 100 kA Low Exposure Transient Voltage Surge Suppressor .....	388.13	27.10
26 43 13 00-0015	EA 277 Volt AC Single Phase, 2 Wire 100 kA Low Exposure Transient Voltage Surge Suppressor .....	345.05	18.06
26 43 13 00-0016	EA 480/277 Volt AC Three Phase, 4 Wire 100 kA Low Exposure Transient Voltage Surge Suppressor .....	388.13	27.10
26 43 13 00-0017	100 kA Low Exposure (65 kAIC) Transient Voltage Surge Suppression <small>(26 43 13)</small> Note: Liebert LPM		
26 43 13 00-0018	EA 120/240 Volt AC Single Phase, 3 Wire 100 kA Medium Exposure Transient Voltage Surge Suppressor .....	436.63	22.58
26 43 13 00-0019	EA 208/120 Volt AC Three Phase, 4 Wire 100 kA Medium Exposure Transient Voltage Surge Suppressor .....	491.93	27.10
26 43 13 00-0020	EA 277 Volt AC Three Phase, 2 Wire 100 kA Medium Exposure Transient Voltage Surge Suppressor .....	413.84	18.06
26 43 13 00-0021	160 kA Low Exposure (65 kAIC) Transient Voltage Surge Suppression <small>(26 43 13)</small> Note: Liebert LPM		
26 43 13 00-0022	EA 208/120 Volt AC Single Phase, 4 Wire 160 kA Medium Exposure Transient Voltage Surge Suppressor .....	773.34	27.10
26 43 13 00-0023	EA 208 Volt AC Three Phase, 3 Wire 160 kA Medium Exposure Transient Voltage Surge Suppressor .....	764.31	22.58
26 43 13 00-0024	EA 480/277 Volt AC Three Phase, 4 Wire 160 kA Medium Exposure Transient Voltage Surge Suppressor .....	773.34	27.10
26 43 13 00-0025	250 kA, 500 Joule Transient Voltage Surge Suppression <small>(26 43 13)</small> Note: Liebert Interceptor Hybrid.		
26 43 13 00-0026	EA LED Display, 120/208 Volt AC Three Phase, 250 kA Transient Voltage Surge Suppressor .....	7,856.52	45.16
26 43 13 00-0027	EA Audible Alarm/LED Display, 120/208 Volt AC Three Phase, 250 kA Transient Voltage Surge Suppressor .....	9,617.40	45.16
26 43 13 00-0028	Class 1310 Transient Voltage Surge Suppression <small>(26 43 13)</small> Note: Supplied with audible alarm, alarm enable/disable switch and dry contacts. Square D.		
26 43 13 00-0029	NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor <small>(26 43 13 00-0029)</small> Note: Square D. EMA series.		
26 43 13 00-0030	EA 120 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor .....	3,616.31	117.42
	<i>For Integral Disconnect, Add</i>	265.68	
	<i>For Surge Counter, Add</i>	203.04	
26 43 13 00-0031	EA 160 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor .....	3,987.12	135.48
	<i>For Integral Disconnect, Add</i>	265.68	
	<i>For Surge Counter, Add</i>	203.04	
26 43 13 00-0032	EA 240 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor .....	5,835.16	158.07
	<i>For Integral Disconnect, Add</i>	265.68	
	<i>For Surge Counter, Add</i>	203.04	
26 43 13 00-0033	EA 320 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor .....	7,770.15	180.65
	<i>For Integral Disconnect, Add</i>	265.68	
	<i>For Surge Counter, Add</i>	203.04	
26 43 13 00-0034	EA 480 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor .....	11,502.46	248.39
	<i>For Integral Disconnect, Add</i>	265.68	
	<i>For Surge Counter, Add</i>	203.04	
26 43 13 00-0035	EA 120 kA, 120/208 Volt, 1 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor .....	3,774.73	117.42
	<i>For Integral Disconnect, Add</i>	265.68	
	<i>For Surge Counter, Add</i>	203.04	

<b>26</b>	<b>Electrical</b>
<b>26 40</b>	<b>Electrical And Cathodic Protection</b>
<b>26 43</b>	<b>Surge Protective Devices</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 43 13 00-0036 EA 160 kA, 120/208 Volt, 1 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	4,161.16 265.68 203.04	135.48
26 43 13 00-0037 EA 240 kA, 120/208 Volt, 1 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	6,104.03 265.68 203.04	158.07
26 43 13 00-0038 EA 320 kA, 120/208 Volt, 1 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	8,119.34 265.68 203.04	180.65
26 43 13 00-0039 EA 480 kA, 120/208 Volt, 1 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	12,041.32 265.68 203.04	248.39
26 43 13 00-0040 EA 120 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	3,774.73 265.68 203.04	117.42
26 43 13 00-0041 EA 160 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	4,161.16 265.68 203.04	135.48
26 43 13 00-0042 EA 240 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	6,103.99 265.68 203.04	158.07
26 43 13 00-0043 EA 320 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	8,119.34 265.68 203.04	180.65
26 43 13 00-0044 EA 480 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	12,041.32 265.68 203.04	248.39
26 43 13 00-0045 EA 120 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	3,933.17 265.68 203.04	117.42
26 43 13 00-0046 EA 160 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	4,337.43 265.68 203.04	135.48
26 43 13 00-0047 EA 240 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	6,375.12 265.68 203.04	158.07
26 43 13 00-0048 EA 320 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	8,470.83 265.68 203.04	180.65
26 43 13 00-0049 EA 480 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	12,582.36 265.68 203.04	248.39
26 43 13 00-0050 EA 120 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	4,117.25 265.68 203.04	117.42
26 43 13 00-0051 EA 160 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	4,520.43 265.68 203.04	135.48
26 43 13 00-0052 EA 240 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	6,658.49 265.68 203.04	158.07
26 43 13 00-0053 EA 320 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	8,838.98 265.68 203.04	180.65
26 43 13 00-0054 EA 480 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	12,383.18 265.68 203.04	248.39
26 43 13 00-0055 NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor <sup>(26)</sup> <small>43 13 00-0028</small> Note: Square D EBA series.		
26 43 13 00-0056 EA 120 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	2,813.09 265.68 203.04	117.42
26 43 13 00-0057 EA 160 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	3,400.34 265.68 203.04	135.48
26 43 13 00-0058 EA 240 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	4,993.99 265.68 203.04	158.07
26 43 13 00-0059 EA 120 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	2,903.45 265.68 203.04	117.42
26 43 13 00-0060 EA 160 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	3,534.21 265.68 203.04	135.48
26 43 13 00-0061 EA 240 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	5,169.14 265.68 203.04	158.07
26 43 13 00-0062 EA 120 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	2,903.45 265.68 203.04	117.42
26 43 13 00-0063 EA 160 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	3,534.21 265.68 203.04	135.48



<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Electrical And Cathodic Protection</b>	<b>26 40</b>	
<b>Surge Protective Devices</b>	<b>26 43</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 43 13 00-0064 EA 240 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add For Surge Counter, Add</i>	5,169.14 265.68 203.04	158.07
26 43 13 00-0065 EA 120 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add For Surge Counter, Add</i>	3,018.36 265.68 203.04	117.42
26 43 13 00-0066 EA 160 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add For Surge Counter, Add</i>	3,678.13 265.68 203.04	135.48
26 43 13 00-0067 EA 240 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add For Surge Counter, Add</i>	5,393.37 265.68 203.04	158.07
26 43 13 00-0068 EA 120 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add For Surge Counter, Add</i>	3,138.86 265.68 203.04	117.42
26 43 13 00-0069 EA 160 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add For Surge Counter, Add</i>	3,830.97 265.68 203.04	135.48
26 43 13 00-0070 EA 240 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add For Surge Counter, Add</i>	5,628.77 265.68 203.04	158.07
<b>26 43 13 00-0071 NEMA 4X Modular Device Transient Voltage Surge Suppressor</b> <small>(26 43 13 00-0028)</small> Note: Square D EMA series. Stainless steel.		
26 43 13 00-0072 EA 120 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add For Surge Counter, Add</i>	4,670.57 265.68 203.04	117.42
26 43 13 00-0073 EA 160 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add For Surge Counter, Add</i>	5,041.39 265.68 203.04	135.48
26 43 13 00-0074 EA 240 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add For Surge Counter, Add</i>	6,889.42 265.68 203.04	158.07
26 43 13 00-0075 EA 120 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add For Surge Counter, Add</i>	4,829.00 265.68 203.04	117.42
26 43 13 00-0076 EA 160 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add For Surge Counter, Add</i>	5,215.42 265.68 203.04	135.48
26 43 13 00-0077 EA 240 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add For Surge Counter, Add</i>	7,158.30 265.68 203.04	158.07
26 43 13 00-0078 EA 120 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add For Surge Counter, Add</i>	4,829.00 265.68 203.04	117.42
26 43 13 00-0079 EA 160 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add For Surge Counter, Add</i>	5,215.42 265.68 203.04	135.48
26 43 13 00-0080 EA 240 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add For Surge Counter, Add</i>	7,158.26 265.68 203.04	158.07
26 43 13 00-0081 EA 120 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add For Surge Counter, Add</i>	4,987.44 265.68 203.04	117.42
26 43 13 00-0082 EA 160 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add For Surge Counter, Add</i>	5,391.70 265.68 203.04	135.48
26 43 13 00-0083 EA 240 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add For Surge Counter, Add</i>	7,429.39 265.68 203.04	158.07
26 43 13 00-0084 EA 120 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add For Surge Counter, Add</i>	5,171.52 265.68 203.04	117.42
26 43 13 00-0085 EA 160 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add For Surge Counter, Add</i>	5,574.69 265.68 203.04	135.48
26 43 13 00-0086 EA 240 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add For Surge Counter, Add</i>	7,712.76 265.68 203.04	158.07
<b>26 43 13 00-0087 NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor</b> <small>(26 43 13 00-0028)</small> Note: Square D EBA series. Stainless steel.		
26 43 13 00-0088 EA 120 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add For Surge Counter, Add</i>	3,867.35 265.68 203.04	117.42
26 43 13 00-0089 EA 160 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add For Surge Counter, Add</i>	4,454.60 265.68 203.04	135.48
26 43 13 00-0090 EA 240 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor..... <i>For Integral Disconnect, Add For Surge Counter, Add</i>	6,048.25 265.68 203.04	158.07

**26 Electrical**  
**26 40 Electrical And Cathodic Protection**  
**26 43 Surge Protective Devices**



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 43 13 00-0091 EA 120 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor ..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	3,957.71 265.68 203.04	117.42
26 43 13 00-0092 EA 160 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor ..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	4,588.48 265.68 203.04	135.48
26 43 13 00-0093 EA 240 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor ..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	6,223.40 265.68 203.04	158.07
26 43 13 00-0094 EA 120 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor ..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	3,957.71 265.68 203.04	117.42
26 43 13 00-0095 EA 160 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor ..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	4,588.48 265.68 203.04	135.48
26 43 13 00-0096 EA 240 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor ..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	6,223.40 265.68 203.04	158.07
26 43 13 00-0097 EA 120 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor ..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	4,072.63 265.68 203.04	117.42
26 43 13 00-0098 EA 160 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor ..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	4,732.39 265.68 203.04	135.48
26 43 13 00-0099 EA 240 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor ..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	6,447.64 265.68 203.04	158.07
26 43 13 00-0100 EA 120 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor ..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	4,193.12 265.68 203.04	117.42
26 43 13 00-0101 EA 160 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor ..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	4,885.23 265.68 203.04	135.48
26 43 13 00-0102 EA 240 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor ..... <i>For Integral Disconnect, Add</i> <i>For Surge Counter, Add</i>	6,683.03 265.68 203.04	158.07

**26 50 Lighting** <sup>(26)</sup>

Note: Includes testing of fixture, a set of lamps (light bulbs), wire nuts, ground wire connector, fixture whip, ballast(s), mounting brackets where necessary and cable connectors. Lay-in fixtures include support wire, clips and seismic supports.

**26 52 Safety Lighting** <sup>(26 50)</sup>

**26 52 13 Emergency and Exit Lighting** <sup>(26 52)</sup>

**26 52 13 13 Emergency Lighting** <sup>(26 52 13)</sup>

**26 52 13 13-0001 Commercial Emergency Lights** <sup>(26 52 13 13)</sup>

**26 52 13 13-0002 Polycarbonate Housing, Commercial Emergency Lights** <sup>(26 52 13 13-0001)</sup>

Note: Includes lead-calcium batteries and two adjustable lamp heads.

26 52 13 13-0003 EA 3 Max Wattage At 90 Minutes, 3.6 Volt, Polycarbonate Housing, LED Lamps, Commercial Emergency Light (Lithonia ELM2 LED) .....	229.81	22.58
26 52 13 13-0004 EA 10.8 Max Wattage At 90 Minutes, 6 Volt, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM2) .....	152.21	22.58
<i>For Halogen Lamps, Add</i>	27.55	
<i>For Self-Diagnostics, Add</i>	87.50	
26 52 13 13-0005 EA 18 Max Wattage At 90 Minutes, 6 Volt, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM618) .....	253.77	22.58
<i>For Halogen Lamps, Add</i>	27.55	
<i>For Self-Diagnostics, Add</i>	87.50	
26 52 13 13-0006 EA 27 Max Wattage At 90 Minutes, 6 Volt, Remote Capability, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM627) .....	299.75	22.58
<i>For Halogen Lamps, Add</i>	27.55	
<i>For Self-Diagnostics, Add</i>	87.50	
26 52 13 13-0007 EA 54 Max Wattage At 90 Minutes, 6 Volt, Remote Capability, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM654) .....	457.76	22.58
<i>For Halogen Lamps, Add</i>	27.55	
<i>For Self-Diagnostics, Add</i>	87.50	
26 52 13 13-0008 EA 54 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM1254) .....	521.90	22.58
<i>For Halogen Lamps, Add</i>	27.55	
<i>For Self-Diagnostics, Add</i>	87.50	
26 52 13 13-0009 EA 72 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM1272) .....	771.80	22.58
<i>For Halogen Lamps, Add</i>	27.55	
<i>For Self-Diagnostics, Add</i>	87.50	

**26 52 13 13-0010 Remote Heads For Commercial Emergency Lights** <sup>(26 52 13 13-0001)</sup>

Note: For use with fixtures that have remote capability.

26 52 13 13-0011 EA 6 Watt, 6 Volt, Aluminum Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA MT H0606) .....	157.20	13.55
26 52 13 13-0012 EA 6 Watt, 6 Volt, Gasketed Fiberglass Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA NX H0606) .....	158.35	13.55





<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Lighting</b>	<b>26 50</b>	
<b>Safety Lighting</b>	<b>26 52</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 52 13 13-0013 EA 8 Watt, 8 Volt, Gasketed Fiberglass Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA NX H0806).....	162.23	13.55
26 52 13 13-0014 EA 12 Watt, 12 Volt, Aluminum Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA MT H1212).....	161.60	13.55
26 52 13 13-0015 EA 12 Watt, 12 Volt, Thermoplastic Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA H1212).....	137.79	13.55
26 52 13 13-0016 EA 12 Watt, 12 Volt, Thermoplastic Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA N1206).....	90.49	13.55
<b>26 52 13 13-0017 Industrial Emergency Lights (26 52 13 13)</b>		
<b>26 52 13 13-0018 Painted Steel Housing, Industrial Emergency Lights (26 52 13 13-0017)</b>		
<b>26 52 13 13-0019 Painted Steel Housing, Industrial Emergency Lights (26 52 13 13-0018)</b>		
Note: Includes lead-calcium batteries and two adjustable lamp heads.		
26 52 13 13-0020 EA 16 Max Wattage At 90 Minutes, 6 Volt, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT16).....	422.86	22.58
For Wireguard, Add	227.25	
26 52 13 13-0021 EA 24 Max Wattage At 90 Minutes, 6 Volt, Remote Capability, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT24).....	351.10	22.58
For Wireguard, Add	227.25	
26 52 13 13-0022 EA 36 Max Wattage At 90 Minutes, 6 Volt, Remote Capability, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT36).....	560.83	22.58
For Wireguard, Add	227.25	
26 52 13 13-0023 EA 50 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT50).....	597.03	22.58
For Wireguard, Add	227.25	
26 52 13 13-0024 EA 125 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT125).....	862.47	22.58
For Wireguard, Add	242.04	
26 52 13 13-0025 EA 275 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT275).....	1,370.27	22.58
For Wireguard, Add	242.04	
<b>26 52 13 13-0026 Remote Heads For Painted Steel Housing, Industrial Emergency Lights (26 52 13 13-0018)</b>		
Note: For use with fixtures that have remote capability.		
26 52 13 13-0027 EA 8 Watt, 6 Volt, Thermoplastic Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA N0806).....	117.75	13.55
For Wireguard, Add	183.40	
26 52 13 13-0028 EA 12 Watt, 6 Volt, Thermoplastic Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA N1206).....	122.26	13.55
For Wireguard, Add	183.40	
26 52 13 13-0029 EA 8 Watt, 12 Volt, Thermoplastic Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA H0812).....	118.38	13.55
For Wireguard, Add	183.40	
26 52 13 13-0030 EA 12 Watt, 12 Volt, Thermoplastic Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA N1212).....	119.11	13.55
For Wireguard, Add	183.40	
26 52 13 13-0031 EA 12 Watt, 25 Volt, Thermoplastic Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA N2512).....	122.26	13.55
For Wireguard, Add	183.40	
26 52 13 13-0032 EA 12 Watt, 25 Volt, Aluminum Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA MT N2512).....	145.13	13.55
For Wireguard, Add	183.40	
<b>26 52 13 13-0033 Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Lights (26 52 13 13-0017)</b>		
<b>26 52 13 13-0034 Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Lights (26 52 13 13-0033)</b>		
Note: Includes lead-calcium batteries and two adjustable lamp heads.		
26 52 13 13-0035 EA 18 Max Wattage At 90 Minutes, 6 Volt, Krypton Lamps, Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Light (Lithonia IND618).....	417.09	22.58
For Wireguard, Add	220.96	
For Self-Diagnostics, Add	105.50	
26 52 13 13-0036 EA 36 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Krypton Lamps, Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Light (Lithonia IND1236).....	455.39	22.58
For Wireguard, Add	220.96	
For Self-Diagnostics, Add	105.50	
26 52 13 13-0037 EA 54 Max Wattage At 90 Minutes, 6 Volt, Remote Capability, Krypton Lamps, Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Light (Lithonia IND654).....	444.90	22.58
For Wireguard, Add	220.96	
For Self-Diagnostics, Add	105.50	
26 52 13 13-0038 EA 54 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Krypton Lamps, Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Light (Lithonia IND1254).....	471.65	22.58
For Wireguard, Add	220.96	
For Self-Diagnostics, Add	105.50	
26 52 13 13-0039 EA 100 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Krypton Lamps, Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Light (Lithonia IND12100).....	810.53	22.58
For Wireguard, Add	220.96	
For Self-Diagnostics, Add	105.50	

**26 Electrical**  
**26 50 Lighting**  
**26 52 Safety Lighting**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 52 13	13-0040	EA	18 Max Wattage At 90 Minutes, 6 Volt, Krypton Lamps, NEMA 4X, Rugged Injection-Molded Thermoplastic Housing, Harsh Environment Industrial Emergency Light (Lithonia INDX618) .....	631.65	22.58
			<i>For Wireguard, Add</i> .....	220.96	
			<i>For Self-Diagnostics, Add</i> .....	61.50	
26 52 13	13-0041	EA	36 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Krypton Lamps, NEMA 4X, Rugged Injection-Molded Thermoplastic Housing, Harsh Environment Industrial Emergency Light (Lithonia INDX1236).....	710.34	22.58
			<i>For Wireguard, Add</i> .....	220.96	
			<i>For Self-Diagnostics, Add</i> .....	61.50	
26 52 13	13-0042	EA	54 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Krypton Lamps, NEMA 4X, Rugged Injection-Molded Thermoplastic Housing, Harsh Environment Industrial Emergency Light (Lithonia INDX1254).....	750.21	22.58
			<i>For Wireguard, Add</i> .....	220.96	
			<i>For Self-Diagnostics, Add</i> .....	61.50	
<b>26 52 13</b>	<b>13-0043</b>		<b>Remote Heads For Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Lights</b> <small>(26 52 13 13-0033)</small>		
			Note: For use with fixtures that have remote capability.		
26 52 13	13-0044	EA	9 Watt, 6 Volt, Heavyweight Polycarbonate Housing, Krypton Lamp, Emergency Light Remote Head (Lithonia ELA IND K0906).....	100.44	13.55
26 52 13	13-0045	EA	12 Watt, 6 Volt, Heavyweight Polycarbonate Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA IND H1206).....	109.57	13.55
26 52 13	13-0046	EA	9 Watt, 12 Volt, Heavyweight Polycarbonate Housing, Krypton Lamp, Emergency Light Remote Head (Lithonia ELA IND K0912).....	100.54	13.55
26 52 13	13-0047	EA	12 Watt, 12 Volt, Heavyweight Polycarbonate Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA IND H1212).....	107.26	13.55
26 52 13	13-0048	EA	12 Watt, 20 Volt, Heavyweight Polycarbonate Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA IND H2012).....	90.01	13.55
<b>26 52 13</b>	<b>13-0049</b>		<b>Outdoor Emergency Lights</b> <small>(26 52 13 13)</small>		
<b>26 52 13</b>	<b>13-0050</b>		<b>Gasketed Die-Cast Aluminum Housing, Outdoor Emergency Lights</b> <small>(26 52 13 13-0049)</small>		
			Note: Includes nickel-cadmium batteries.		
26 52 13	13-0051	EA	10 Max Wattage At 90 Minutes, LED Lamps, Gasketed Aluminum Die-Cast Housing, Outdoor Emergency Light (Dual-Lite PG Series).....	669.94	22.58
26 52 13	13-0052	EA	10 Max Wattage At 90 Minutes, LED Lamps, Gasketed Aluminum Die-Cast Housing, Outdoor Emergency Light With Heater (Dual-Lite PG Series).....	803.71	22.58
<b>26 52 13</b>	<b>13-0053</b>		<b>Recessed Emergency Lights</b> <small>(26 52 13 13)</small>		
26 52 13	13-0054	EA	10 Watt At 90 Minutes, 6 Volt, Halogen Lamp, 8" Round, Recessed High-Hat Emergency Light (Lithonia ELRG).....	733.28	22.58
			<i>For Wire Guard, Add</i> .....	60.00	
26 52 13	13-0055	EA	16 Max Wattage At 90 Minutes, 6 Volt, 12" x 12" Polycarbonate Housing, Glass Sealed-Beam Lamps, Recessed Emergency Light (Lithonia ELR2).....	552.20	45.16
			Note: Includes lead-calcium batteries and two adjustable lamp heads.		
			<i>For Wireguard, Add</i> .....	242.04	
26 52 13	13-0056	EA	50 Max Wattage At 90 Minutes, 12 Volt, 12" x 12" Polycarbonate Housing, Glass Sealed-Beam Lamps, Recessed Emergency Light (Lithonia ELR4).....	811.46	45.16
			Note: Includes lead-calcium batteries and two adjustable lamp heads.		
			<i>For Wireguard, Add</i> .....	242.04	
<b>26 52 13</b>	<b>13-0057</b>		<b>Square Wraparound Emergency Lights</b> <small>(26 52 13 13)</small>		
26 52 13	13-0058	EA	10 Max Wattage At 90 Minutes, 6 Volt, Halogen Lamp, 10-5/16" x 10-5/16" Lexan Frame, Square Wraparound Emergency Light (Lithonia ELSQ) .....	324.37	22.58
<b>26 52 13 16</b>			<b>Exit Signs</b> <small>(26 52 13)</small>		
			Note: Excludes pendants.		
<b>26 52 13</b>	<b>16-0001</b>		<b>LED Exit Signs</b> <small>(26 52 13 16)</small>		
			Note: Includes red LED lamps.		
26 52 13	16-0002	EA	Single Face, Thermoplastic Housing, LED Exit Sign (Lithonia LQM-S-W-3-R-120/277-M6).....	172.13	33.02
			<i>For Green LED Lamps, Add</i> .....	15.00	
			<i>For &gt;50 To 100, Deduct</i> .....	-5.95	
			<i>For &gt;100 To 250, Deduct</i> .....	-10.26	
			<i>For &gt;250 To 500, Deduct</i> .....	-17.21	
			<i>For &gt;500, Deduct</i> .....	-24.17	
26 52 13	16-0003	EA	Double Face, Thermoplastic Housing, LED Exit Sign (Lithonia LQM-S-W-3-R-120/277-M6).....	172.13	33.02
			<i>For Green LED Lamps, Add</i> .....	15.00	
			<i>For &gt;50 To 100, Deduct</i> .....	-5.95	
			<i>For &gt;100 To 250, Deduct</i> .....	-10.26	
			<i>For &gt;250 To 500, Deduct</i> .....	-17.21	
			<i>For &gt;500, Deduct</i> .....	-24.17	
26 52 13	16-0004	EA	Single Face, Thermoplastic Housing, LED Exit Sign With Battery Back-Up (Lithonia LQM-S-W-3-R-120/277-EL-N-M6) .....	251.49	33.02
			<i>For Green LED Lamps, Add</i> .....	15.00	
			<i>For Self-Diagnostics, Add</i> .....	50.00	
			<i>For &gt;50 To 100, Deduct</i> .....	-7.94	
			<i>For &gt;100 To 250, Deduct</i> .....	-14.23	
			<i>For &gt;250 To 500, Deduct</i> .....	-25.15	
			<i>For &gt;500, Deduct</i> .....	-36.07	



<b>Electrical</b>	<b>26</b>	<b>26</b>
Lighting	26 50	
Safety Lighting	26 52	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 52 13 16-0005 EA Double Face, Thermoplastic Housing, LED Exit Sign With Battery Back-Up (Lithonia LQM ELN) .....	251.49	33.02
For Green LED Lamps, Add	15.00	
For Self-Diagnostics, Add	50.00	
For >50 To 100, Deduct	-7.94	
For >100 To 250, Deduct	-14.23	
For >250 To 500, Deduct	-25.15	
For >500, Deduct	-36.07	
26 52 13 16-0006 EA Single Face, Die-Cast Aluminum Housing, LED Exit Sign (Lithonia LQC-W-1-R) .....	279.85	33.02
For Green LED Lamps, Add	15.00	
For >50 To 100, Deduct	-8.65	
For >100 To 250, Deduct	-15.64	
For >250 To 500, Deduct	-27.99	
For >500, Deduct	-40.33	
26 52 13 16-0007 EA Double Face, Die-Cast Aluminum Housing, LED Exit Sign (Lithonia LQC-W-2-R) .....	321.22	33.02
For Green LED Lamps, Add	15.00	
For >50 To 100, Deduct	-9.68	
For >100 To 250, Deduct	-17.71	
For >250 To 500, Deduct	-32.12	
For >500, Deduct	-46.53	
26 52 13 16-0008 EA Single Face, Die-Cast Aluminum Housing, LED Exit Sign With Battery Back-Up (Lithonia LQC-W-1-R-EL-N) .....	262.56	33.02
For Green LED Lamps, Add	15.00	
For Self-Diagnostics, Add	50.00	
For >50 To 100, Deduct	-8.21	
For >100 To 250, Deduct	-14.78	
For >250 To 500, Deduct	-26.26	
For >500, Deduct	-37.73	
26 52 13 16-0009 EA Double Face, Die-Cast Aluminum Housing, LED Exit Sign With Battery Back-Up (Lithonia LQC-W-2-R-EL-N) .....	292.59	33.02
For Green LED Lamps, Add	15.00	
For Self-Diagnostics, Add	50.00	
For >50 To 100, Deduct	-8.97	
For >100 To 250, Deduct	-16.28	
For >250 To 500, Deduct	-29.26	
For >500, Deduct	-42.24	
26 52 13 16-0010 EA Single Face, Thermoplastic Housing, LED Exit Sign/Emergency Light Combo With Battery Back-Up (Lithonia LHQM-S-W-3-R-M4) .....	331.59	33.02
Note: Includes two circular side mounted krypton emergency lights.		
For Green LED Lamps, Add	15.00	
For >50 To 100, Deduct	-10.55	
For >100 To 250, Deduct	-18.84	
For >250 To 500, Deduct	-33.16	
For >500, Deduct	-47.48	
26 52 13 16-0011 EA Single Face, Thermoplastic Housing, LED Exit Sign/Emergency Light Combo With Battery Back-Up (Lithonia LHQM-LED-R-M6) .....	277.52	33.02
Note: Includes two circular side mounted LED emergency lights.		
For Green LED Lamps, Add	15.00	
For >50 To 100, Deduct	-9.20	
For >100 To 250, Deduct	-16.13	
For >250 To 500, Deduct	-27.75	
For >500, Deduct	-39.37	
26 52 13 16-0012 EA Single Face, Powder Coated Steel Housing, LED Exit Sign/Emergency Light Combo With Battery Back-Up (Big Beam COM-PH) .....	425.29	33.02
Note: Includes two rectangular front mounted high intensity tungsten emergency lights.		
For Green LED Lamps, Add	15.00	
For >50 To 100, Deduct	-12.89	
For >100 To 250, Deduct	-23.52	
For >250 To 500, Deduct	-42.53	
For >500, Deduct	-61.54	
26 52 13 16-0013 EA Single Face, Powder Coated Steel Housing, LED Exit Sign/Emergency Light Combo With Battery Back-Up (Big Beam COM) .....	447.09	33.02
Note: Includes two circular side mounted PAR 36 emergency lights.		
For Green LED Lamps, Add	15.00	
For >50 To 100, Deduct	-13.44	
For >100 To 250, Deduct	-24.61	
For >250 To 500, Deduct	-44.71	
For >500, Deduct	-64.81	
26 52 13 16-0014 EA Single Or Double Face, Polycarbonate Housing, LED Emergency Exit Sign (Eaton Lighting APX6R) .....	105.28	33.02
For >50 To 100, Deduct	-4.28	
For >100 To 250, Deduct	-6.91	
For >250 To 500, Deduct	-10.53	
For >500, Deduct	-14.14	
26 52 13 16-0015 EA 120-277 Volt, LED Emergency Exit Sign With Nickel Cadmium Battery, Red (Cooper Industries APX7R) .....	105.79	33.02
For >50 To 100, Deduct	-4.30	
For >100 To 250, Deduct	-6.94	
For >250 To 500, Deduct	-10.58	
For >500, Deduct	-14.22	
<b>26 52 13 16-0016 Edge-Lit LED Exit Signs</b> <small>(26 52 13 16)</small>		
Note: Includes red LED lamps.		
26 52 13 16-0017 EA Single Face, Edge-Lit LED Exit Sign (Lithonia EDG-1- R-M6) .....	246.44	33.02
For Green LED Lamps, Add	40.00	
For >50 To 100, Deduct	-7.81	
For >100 To 250, Deduct	-13.97	
For >250 To 500, Deduct	-24.64	
For >500, Deduct	-35.32	

<b>26</b>	<b>Electrical</b>
<b>26 50</b>	<b>Lighting</b>
<b>26 52</b>	<b>Safety Lighting</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 52 13 16-0018	EA		Double Face, Edge-Lit LED Exit Sign (Lithonia EDG-2-R-M6) .....	249.30	33.02
			<i>For Green LED Lamps, Add</i>	40.00	
			<i>For &gt;50 To 100, Deduct</i>	-7.88	
			<i>For &gt;100 To 250, Deduct</i>	-14.12	
			<i>For &gt;250 To 500, Deduct</i>	-24.93	
			<i>For &gt;500, Deduct</i>	-35.74	
26 52 13 16-0019	EA		Single Face, Edge-Lit LED Exit Sign With Battery Back-Up (Lithonia EDG-1-R-EL-M6) .....	268.68	33.02
			<i>For Green LED Lamps, Add</i>	40.00	
			<i>For Self-Diagnostics, Add</i>	50.00	
			<i>For &gt;50 To 100, Deduct</i>	-8.37	
			<i>For &gt;100 To 250, Deduct</i>	-15.08	
			<i>For &gt;250 To 500, Deduct</i>	-26.87	
			<i>For &gt;500, Deduct</i>	-38.65	
26 52 13 16-0020	EA		Double Face, Edge-Lit LED Exit Sign With Battery Back-Up (Lithonia EDG-2-R-EL-M6) .....	326.59	33.02
			<i>For Green LED Lamps, Add</i>	40.00	
			<i>For Self-Diagnostics, Add</i>	50.00	
			<i>For &gt;50 To 100, Deduct</i>	-9.82	
			<i>For &gt;100 To 250, Deduct</i>	-17.98	
			<i>For &gt;250 To 500, Deduct</i>	-32.66	
			<i>For &gt;500, Deduct</i>	-47.34	
<b>26 52 13 16-0021</b>			<b>Self-Luminous Tritium Exit Signs</b> <small>(26 52 13 16)</small>		
			Note: Includes red or green tritium filled pyrex glass light tubes with phosphor coating.		
26 52 13 16-0022	EA		10 Year, Single Face, Acrylonitrile Butadiene Styrene (ABS) Housing, Self-Luminous Tritium Exit Sign (Isolite SLX-60-S-10-R) .....	557.04	33.02
			<i>For &gt;50 To 100, Deduct</i>	-15.58	
			<i>For &gt;100 To 250, Deduct</i>	-29.50	
			<i>For &gt;250 To 500, Deduct</i>	-55.70	
			<i>For &gt;500, Deduct</i>	-81.91	
26 52 13 16-0023	EA		10 Year, Double Face, Acrylonitrile Butadiene Styrene (ABS) Housing, Self-Luminous Tritium Exit Sign (Isolite SLX-60-D-10-R) .....	1,047.53	33.02
			<i>For &gt;50 To 100, Deduct</i>	-27.84	
			<i>For &gt;100 To 250, Deduct</i>	-54.03	
			<i>For &gt;250 To 500, Deduct</i>	-104.75	
			<i>For &gt;500, Deduct</i>	-155.48	
26 52 13 16-0024	EA		20 Year, Single Face, Acrylonitrile Butadiene Styrene (ABS) Housing, Self-Luminous Tritium Exit Sign (Isolite SLX-60-S-20-R) .....	668.78	33.02
			<i>For &gt;50 To 100, Deduct</i>	-18.37	
			<i>For &gt;100 To 250, Deduct</i>	-35.09	
			<i>For &gt;250 To 500, Deduct</i>	-66.88	
			<i>For &gt;500, Deduct</i>	-98.67	
26 52 13 16-0025	EA		20 Year, Double Face, Acrylonitrile Butadiene Styrene (ABS) Housing, Self-Luminous Tritium Exit Sign (Isolite SLX-60-D-20-R) .....	1,137.24	33.02
			<i>For &gt;50 To 100, Deduct</i>	-30.08	
			<i>For &gt;100 To 250, Deduct</i>	-58.51	
			<i>For &gt;250 To 500, Deduct</i>	-113.72	
			<i>For &gt;500, Deduct</i>	-168.94	
26 52 13 16-0026	EA		10 Year, Single Face, Aluminum Housing, Self-Luminous Tritium Exit Sign (Isolite 2040-01-10-R) .....	612.65	33.02
			<i>For &gt;50 To 100, Deduct</i>	-16.97	
			<i>For &gt;100 To 250, Deduct</i>	-32.28	
			<i>For &gt;250 To 500, Deduct</i>	-61.27	
			<i>For &gt;500, Deduct</i>	-90.25	
26 52 13 16-0027	EA		10 Year, Double Face, Aluminum Housing, Self-Luminous Tritium Exit Sign (Isolite 2040-07-10-R) .....	1,137.24	33.02
			<i>For &gt;50 To 100, Deduct</i>	-30.08	
			<i>For &gt;100 To 250, Deduct</i>	-58.51	
			<i>For &gt;250 To 500, Deduct</i>	-113.72	
			<i>For &gt;500, Deduct</i>	-168.94	
26 52 13 16-0028	EA		20 Year, Single Face, Aluminum Housing, Self-Luminous Tritium Exit Sign (Isolite 2040-01-20-R) .....	757.96	33.02
			<i>For &gt;50 To 100, Deduct</i>	-20.60	
			<i>For &gt;100 To 250, Deduct</i>	-39.55	
			<i>For &gt;250 To 500, Deduct</i>	-75.80	
			<i>For &gt;500, Deduct</i>	-112.04	
26 52 13 16-0029	EA		20 Year, Double Face, Aluminum Housing, Self-Luminous Tritium Exit Sign (Isolite 2040-07-20-R) .....	1,418.42	33.02
			<i>For &gt;50 To 100, Deduct</i>	-37.11	
			<i>For &gt;100 To 250, Deduct</i>	-72.57	
			<i>For &gt;250 To 500, Deduct</i>	-141.84	
			<i>For &gt;500, Deduct</i>	-211.11	
<b>26 52 13 16-0030</b>			<b>Vandal-Resistant LED Exit Signs</b> <small>(26 52 13 16)</small>		
			Note: Includes red LED lamps.		
26 52 13 16-0031	EA		Single Face, Aluminum Housing, Vandal-Resistant/Wet Location, LED Exit Sign (Lithonia LV-S-W-1-R-120/277) .....	523.99	33.02
			<i>For &gt;50 To 100, Deduct</i>	-14.75	
			<i>For &gt;100 To 250, Deduct</i>	-27.85	
			<i>For &gt;250 To 500, Deduct</i>	-52.40	
			<i>For &gt;500, Deduct</i>	-76.95	
26 52 13 16-0032	EA		Single Face, Aluminum Housing, Vandal-Resistant/Wet Location, LED Exit Sign With Battery Backup (Lithonia LV-S-W-1-R-120/277-EL-N) .....	827.73	33.02
			<i>For &gt;50 To 100, Deduct</i>	-22.34	
			<i>For &gt;100 To 250, Deduct</i>	-43.04	
			<i>For &gt;250 To 500, Deduct</i>	-82.77	
			<i>For &gt;500, Deduct</i>	-122.51	



<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Lighting</b>	<b>26 50</b>	
<b>Safety Lighting</b>	<b>26 52</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 52 13 16-0033 EA Single Face, Aluminum Housing, NEMA 4X, Vandal-Resistant/Wet Location, LED Exit Sign With Battery Backup (Lithonia LV-S-1-R-120/277-EL-N-UM-4X).....	1,013.96	33.02
<i>For &gt;50 To 100, Deduct</i>	-27.00	
<i>For &gt;100 To 250, Deduct</i>	-52.35	
<i>For &gt;250 To 500, Deduct</i>	-101.40	
<i>For &gt;500, Deduct</i>	-150.44	
<b>26 52 13 16-0034 Removal And Reinstallation Of Exit Light Fixture (26 52 13 16)</b>		
26 52 13 16-0035 EA Removal And Reinstall Of Exit Light Fixtures .....	67.74	
Note: Includes storage and cleaning.		
<i>For &gt;50 To 100, Deduct</i>	-3.39	
<i>For &gt;100 To 250, Deduct</i>	-5.08	
<i>For &gt;250 To 500, Deduct</i>	-6.77	
<i>For &gt;500, Deduct</i>	-8.47	
<b>26 52 13 16-0036 Exit Sign Accessories (26 52 13 16)</b>		
26 52 13 16-0037 EA Polycarbonate Vandal Shield For Exit Signs (Radiant-Lite BG-1).....	122.99	9.06
<i>For &gt;50 To 100, Deduct</i>	-3.53	
<i>For &gt;100 To 250, Deduct</i>	-6.60	
<i>For &gt;250 To 500, Deduct</i>	-12.30	
<i>For &gt;500, Deduct</i>	-18.00	
26 52 13 16-0038 EA Wire Guard For Exit Signs Or Emergency Lights (Best Lighting Products WG-1) .....	68.70	9.06
<i>For &gt;50 To 100, Deduct</i>	-2.17	
<i>For &gt;100 To 250, Deduct</i>	-3.89	
<i>For &gt;250 To 500, Deduct</i>	-6.87	
<i>For &gt;500, Deduct</i>	-9.85	
26 52 13 16-0039 EA Removal And Replacement Of Battery For Exit Signs.....	121.14	
Note: Battery: nickel cadmium, 1.2 volt, 1 Ah battery capacity		
<i>For &gt;50 To 100, Deduct</i>	-3.59	
<i>For &gt;100 To 250, Deduct</i>	-6.62	
<i>For &gt;250 To 500, Deduct</i>	-12.11	
<i>For &gt;500, Deduct</i>	-17.61	
<b>26 55 Special Purpose Lighting (26 50)</b>		
<b>26 55 13 Landscape Lighting (26 55)</b>		
26 55 13 00-0001 Bollards (26 55 13)		
Note: Excludes concrete base.		
26 55 13 00-0002 Aluminum Architectural Bollards (26 55 13 00-0001)		
26 55 13 00-0003 High Pressure Sodium, Aluminum Architectural Bollards (26 55 13 00-0002)		
26 55 13 00-0004 Square, High Pressure Sodium, Aluminum Architectural Bollards (26 55 13 00-0003)		
26 55 13 00-0005 EA 24" Overall Height, 6-3/4" Square, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard.....	1,523.27	76.78
26 55 13 00-0006 EA 30" Overall Height, 6-3/4" Square, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard.....	1,532.30	81.29
26 55 13 00-0007 EA 36" Overall Height, 6-3/4" Square, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard.....	1,541.34	85.80
26 55 13 00-0008 EA 42" Overall Height, 6-3/4" Square, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard.....	1,418.10	90.33
26 55 13 00-0009 EA 24" Overall Height, 6-3/4" Square, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard.....	1,523.27	76.78
26 55 13 00-0010 EA 30" Overall Height, 6-3/4" Square, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard.....	1,532.30	81.29
26 55 13 00-0011 EA 36" Overall Height, 6-3/4" Square, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard.....	1,541.34	85.80
26 55 13 00-0012 EA 42" Overall Height, 6-3/4" Square, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard.....	1,418.10	90.33
26 55 13 00-0013 EA 24" Overall Height, 6-3/4" Square, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard.....	1,523.27	76.78
26 55 13 00-0014 EA 30" Overall Height, 6-3/4" Square, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard.....	1,532.30	81.29
26 55 13 00-0015 EA 36" Overall Height, 6-3/4" Square, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard.....	1,541.34	85.80
26 55 13 00-0016 EA 42" Overall Height, 6-3/4" Square, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard.....	1,418.10	90.33
26 55 13 00-0017 EA 24" Overall Height, 6-3/4" Square, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard.....	1,523.27	76.78
26 55 13 00-0018 EA 30" Overall Height, 6-3/4" Square, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard.....	1,532.30	81.29
26 55 13 00-0019 EA 36" Overall Height, 6-3/4" Square, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard.....	1,541.34	85.80
26 55 13 00-0020 EA 42" Overall Height, 6-3/4" Square, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard.....	1,418.10	90.33
26 55 13 00-0021 Round, High Pressure Sodium, Aluminum Architectural Bollards (26 55 13 00-0003)		
26 55 13 00-0022 EA 24" Overall Height, 7" Diameter, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard.....	1,462.53	76.78
26 55 13 00-0023 EA 30" Overall Height, 7" Diameter, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard.....	1,471.56	81.29
26 55 13 00-0024 EA 36" Overall Height, 7" Diameter, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard.....	1,480.60	85.80
26 55 13 00-0025 EA 42" Overall Height, 7" Diameter, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard.....	1,356.81	90.33
26 55 13 00-0026 EA 24" Overall Height, 7" Diameter, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard.....	1,462.53	76.78
26 55 13 00-0027 EA 30" Overall Height, 7" Diameter, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard.....	1,471.56	81.29
26 55 13 00-0028 EA 36" Overall Height, 7" Diameter, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard.....	1,480.60	85.80
26 55 13 00-0029 EA 42" Overall Height, 7" Diameter, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard.....	1,356.81	90.33
26 55 13 00-0030 EA 24" Overall Height, 7" Diameter, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard.....	1,462.53	76.78
26 55 13 00-0031 EA 30" Overall Height, 7" Diameter, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard.....	1,471.56	81.29
26 55 13 00-0032 EA 36" Overall Height, 7" Diameter, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard.....	1,480.60	85.80
26 55 13 00-0033 EA 42" Overall Height, 7" Diameter, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard.....	1,356.81	90.33
26 55 13 00-0034 EA 24" Overall Height, 7" Diameter, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard.....	1,462.53	76.78
26 55 13 00-0035 EA 30" Overall Height, 7" Diameter, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard.....	1,471.56	81.29
26 55 13 00-0036 EA 36" Overall Height, 7" Diameter, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard.....	1,480.60	85.80
26 55 13 00-0037 EA 42" Overall Height, 7" Diameter, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard.....	1,356.81	90.33



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

26 55 13 00-0038		Metal Halide, Aluminum Architectural Bollards (26 55 13 00-0002)		
26 55 13 00-0039		Square, Metal Halide, Aluminum Architectural Bollards (26 55 13 00-0038)		
26 55 13 00-0040	EA	24" Overall Height, 6-3/4" Square, 50 Watt Metal Halide, Aluminum Architectural Bollard	1,602.14	76.78
26 55 13 00-0041	EA	30" Overall Height, 6-3/4" Square, 50 Watt Metal Halide, Aluminum Architectural Bollard	1,611.17	81.29
26 55 13 00-0042	EA	36" Overall Height, 6-3/4" Square, 50 Watt Metal Halide, Aluminum Architectural Bollard	1,620.21	85.80
26 55 13 00-0043	EA	42" Overall Height, 6-3/4" Square, 50 Watt Metal Halide, Aluminum Architectural Bollard	1,496.41	90.33
26 55 13 00-0044	EA	24" Overall Height, 6-3/4" Square, 70 Watt Metal Halide, Aluminum Architectural Bollard	1,602.14	76.78
26 55 13 00-0045	EA	30" Overall Height, 6-3/4" Square, 70 Watt Metal Halide, Aluminum Architectural Bollard	1,611.17	81.29
26 55 13 00-0046	EA	36" Overall Height, 6-3/4" Square, 70 Watt Metal Halide, Aluminum Architectural Bollard	1,620.21	85.80
26 55 13 00-0047	EA	42" Overall Height, 6-3/4" Square, 70 Watt Metal Halide, Aluminum Architectural Bollard	1,496.41	90.33
26 55 13 00-0048	EA	24" Overall Height, 6-3/4" Square, 100 Watt Metal Halide, Aluminum Architectural Bollard	1,602.14	76.78
26 55 13 00-0049	EA	30" Overall Height, 6-3/4" Square, 100 Watt Metal Halide, Aluminum Architectural Bollard	1,611.17	81.29
26 55 13 00-0050	EA	36" Overall Height, 6-3/4" Square, 100 Watt Metal Halide, Aluminum Architectural Bollard	1,620.21	85.80
26 55 13 00-0051	EA	42" Overall Height, 6-3/4" Square, 100 Watt Metal Halide, Aluminum Architectural Bollard	1,562.41	90.33
26 55 13 00-0052		Round, Metal Halide, Aluminum Architectural Bollards (26 55 13 00-0038)		
26 55 13 00-0053	EA	24" Overall Height, 7" Diameter, 50 Watt Metal Halide, Aluminum Architectural Bollard	1,540.84	76.78
26 55 13 00-0054	EA	30" Overall Height, 7" Diameter, 50 Watt Metal Halide, Aluminum Architectural Bollard	1,549.87	81.29
26 55 13 00-0055	EA	36" Overall Height, 7" Diameter, 50 Watt Metal Halide, Aluminum Architectural Bollard	1,558.91	85.80
26 55 13 00-0056	EA	42" Overall Height, 7" Diameter, 50 Watt Metal Halide, Aluminum Architectural Bollard	1,435.12	90.33
26 55 13 00-0057	EA	24" Overall Height, 7" Diameter, 70 Watt Metal Halide, Aluminum Architectural Bollard	1,540.84	76.78
26 55 13 00-0058	EA	30" Overall Height, 7" Diameter, 70 Watt Metal Halide, Aluminum Architectural Bollard	1,549.87	81.29
26 55 13 00-0059	EA	36" Overall Height, 7" Diameter, 70 Watt Metal Halide, Aluminum Architectural Bollard	1,558.91	85.80
26 55 13 00-0060	EA	42" Overall Height, 7" Diameter, 70 Watt Metal Halide, Aluminum Architectural Bollard	1,435.12	90.33
26 55 13 00-0061	EA	24" Overall Height, 7" Diameter, 100 Watt Metal Halide, Aluminum Architectural Bollard	1,540.84	76.78
26 55 13 00-0062	EA	30" Overall Height, 7" Diameter, 100 Watt Metal Halide, Aluminum Architectural Bollard	1,549.87	81.29
26 55 13 00-0063	EA	36" Overall Height, 7" Diameter, 100 Watt Metal Halide, Aluminum Architectural Bollard	1,558.91	85.80
26 55 13 00-0064	EA	42" Overall Height, 7" Diameter, 100 Watt Metal Halide, Aluminum Architectural Bollard	1,435.12	90.33
26 55 13 00-0065		Compact Fluorescent, Aluminum Architectural Bollards (26 55 13 00-0002)		
26 55 13 00-0066		Square, Compact Fluorescent, Aluminum Architectural Bollards (26 55 13 00-0065)		
26 55 13 00-0067	EA	24" Overall Height, 6-3/4" Square, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,516.35	76.78
26 55 13 00-0068	EA	30" Overall Height, 6-3/4" Square, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,525.38	81.29
26 55 13 00-0069	EA	36" Overall Height, 6-3/4" Square, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,534.42	85.80
26 55 13 00-0070	EA	42" Overall Height, 6-3/4" Square, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,412.43	90.33
26 55 13 00-0071	EA	24" Overall Height, 6-3/4" Square, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,516.35	76.78
26 55 13 00-0072	EA	30" Overall Height, 6-3/4" Square, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,525.38	81.29
26 55 13 00-0073	EA	36" Overall Height, 6-3/4" Square, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,534.42	85.80
26 55 13 00-0074	EA	42" Overall Height, 6-3/4" Square, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,412.43	90.33
26 55 13 00-0075	EA	24" Overall Height, 6-3/4" Square, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,516.35	76.78
26 55 13 00-0076	EA	30" Overall Height, 6-3/4" Square, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,525.38	81.29
26 55 13 00-0077	EA	36" Overall Height, 6-3/4" Square, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,534.42	85.80
26 55 13 00-0078	EA	42" Overall Height, 6-3/4" Square, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,412.43	90.33
26 55 13 00-0079		Round, Compact Fluorescent, Aluminum Architectural Bollards (26 55 13 00-0065)		
26 55 13 00-0080	EA	24" Overall Height, 7" Diameter, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,456.40	76.78
26 55 13 00-0081	EA	30" Overall Height, 7" Diameter, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,465.43	81.29
26 55 13 00-0082	EA	36" Overall Height, 7" Diameter, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,474.47	85.80
26 55 13 00-0083	EA	42" Overall Height, 7" Diameter, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,353.63	90.33
26 55 13 00-0084	EA	24" Overall Height, 7" Diameter, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,456.40	76.78
26 55 13 00-0085	EA	30" Overall Height, 7" Diameter, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,465.43	81.29
26 55 13 00-0086	EA	36" Overall Height, 7" Diameter, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,474.47	85.80
26 55 13 00-0087	EA	42" Overall Height, 7" Diameter, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,353.63	90.33
26 55 13 00-0088	EA	24" Overall Height, 7" Diameter, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,456.40	76.78
26 55 13 00-0089	EA	30" Overall Height, 7" Diameter, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,465.43	81.29
26 55 13 00-0090	EA	36" Overall Height, 7" Diameter, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,474.47	85.80
26 55 13 00-0091	EA	42" Overall Height, 7" Diameter, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,353.63	90.33
26 55 13 00-0092		LED, Aluminum Architectural Bollards (26 55 13 00-0002)		
26 55 13 00-0093		Square, LED, Aluminum Architectural Bollards (26 55 13 00-0092)		
26 55 13 00-0094	EA	24" Overall Height, 6-3/4" Square, 12 LEDs, Aluminum Architectural Bollard	1,827.66	76.78
26 55 13 00-0095	EA	30" Overall Height, 6-3/4" Square, 12 LEDs, Aluminum Architectural Bollard	1,836.69	81.29
26 55 13 00-0096	EA	36" Overall Height, 6-3/4" Square, 12 LEDs, Aluminum Architectural Bollard	1,845.73	85.80
26 55 13 00-0097	EA	42" Overall Height, 6-3/4" Square, 12 LEDs, Aluminum Architectural Bollard	1,725.39	90.33
26 55 13 00-0098	EA	24" Overall Height, 6-3/4" Square, 24 LEDs, Aluminum Architectural Bollard	2,245.03	76.78
26 55 13 00-0099	EA	30" Overall Height, 6-3/4" Square, 24 LEDs, Aluminum Architectural Bollard	2,254.06	81.29
26 55 13 00-0100	EA	36" Overall Height, 6-3/4" Square, 24 LEDs, Aluminum Architectural Bollard	2,263.10	85.80
26 55 13 00-0101	EA	42" Overall Height, 6-3/4" Square, 24 LEDs, Aluminum Architectural Bollard	2,140.69	90.33
26 55 13 00-0102		Round, LED, Aluminum Architectural Bollards (26 55 13 00-0092)		
26 55 13 00-0103	EA	24" Overall Height, 7" Diameter, 12 LEDs, Aluminum Architectural Bollard	1,765.40	76.78



<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Lighting</b>	<b>26 50</b>	
<b>Special Purpose Lighting</b>	<b>26 55</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 13 00-0104 EA 30" Overall Height, 7" Diameter, 12 LEDs, Aluminum Architectural Bollard .....	1,774.43	81.29
26 55 13 00-0105 EA 36" Overall Height, 7" Diameter, 12 LEDs, Aluminum Architectural Bollard .....	1,783.47	85.80
26 55 13 00-0106 EA 42" Overall Height, 7" Diameter, 12 LEDs, Aluminum Architectural Bollard .....	1,661.06	90.33
26 55 13 00-0107 EA 24" Overall Height, 7" Diameter, 24 LEDs, Aluminum Architectural Bollard .....	2,182.77	76.78
26 55 13 00-0108 EA 30" Overall Height, 7" Diameter, 24 LEDs, Aluminum Architectural Bollard .....	2,191.80	81.29
26 55 13 00-0109 EA 36" Overall Height, 7" Diameter, 24 LEDs, Aluminum Architectural Bollard .....	2,200.84	85.80
26 55 13 00-0110 EA 42" Overall Height, 7" Diameter, 24 LEDs, Aluminum Architectural Bollard .....	2,079.17	90.33
<b>26 55 13 00-0111 Reinforced Concrete Bollards</b> <small>(26 55 13 00-0001)</small>		
26 55 13 00-0112 EA 48" Overall Height, 12" Diameter, LED Light, Reinforced Concrete Bollard .....	1,391.33	225.81
26 55 13 00-0113 EA 58" Overall Height, 18" Diameter, High Intensity Discharge (HID) Light, Reinforced Concrete Bollard .....	2,519.38	301.05
<b>26 55 13 00-0114 Low Voltage</b> <small>(26 55 13)</small>		
26 55 13 00-0115 EA Low Voltage Recessed Uplight .....	607.55	164.39
26 55 13 00-0116 EA Low Voltage Walkway .....	431.99	90.33
26 55 13 00-0117 EA Low Voltage Malibu - 5 Light Set .....	423.97	120.58
26 55 13 00-0118 EA Low Voltage Mushroom 24" Pier .....	368.01	90.33
<b>26 55 13 00-0119 Recessed, Adjustable</b> <small>(26 55 13)</small>		
26 55 13 00-0120 EA 150 Watt Incandescent Recessed, Adjustable .....	714.01	144.52
26 55 13 00-0121 EA 300 Watt Incandescent Recessed, Adjustable .....	782.56	144.52
<b>26 55 13 00-0122 Recessed, Uplight</b> <small>(26 55 13)</small>		
26 55 13 00-0123 EA 50 Watt Incandescent Recessed Uplight .....	636.33	144.52
26 55 13 00-0124 EA 150 Watt Incandescent Recessed Uplight .....	650.04	144.52
26 55 13 00-0125 EA 300 Watt Incandescent Recessed Uplight .....	691.16	144.52
26 55 13 00-0126 EA 500 Watt Quartz Recessed Uplight .....	686.59	144.52
26 55 13 00-0127 EA 5 Watt, LED Recessed Uplight .....	1,050.95	144.52
26 55 13 00-0128 EA 15 Watt, LED Recessed Uplight .....	1,167.24	144.52
<b>26 55 13 00-0129 Recessed Wall Light</b> <small>(26 55 13)</small>		
26 55 13 00-0130 EA 100 Watt Incandescent Recessed Wall Light .....	326.88	90.33
26 55 13 00-0131 EA 100 Watt Fluorescent Recessed Wall Light .....	313.17	90.33
26 55 13 00-0132 EA 100 Watt High Intensity Discharge (HID) Recessed Wall Light .....	510.80	120.58
<b>26 55 13 00-0133 Step Lights</b> <small>(26 55 13)</small>		
26 55 13 00-0134 EA Incandescent Step Light .....	267.86	72.25
26 55 13 00-0135 EA Fluorescent Step Light .....	313.60	72.25
26 55 13 00-0136 EA 5 Watt, LED Step Light .....	582.52	72.25
26 55 13 00-0137 EA 15 Watt, LED Step Light .....	706.56	72.25
<b>26 55 13 00-0138 Tree Lights, Surface Adjustable</b> <small>(26 55 13)</small>		
26 55 13 00-0139 EA 50 Watt Incandescent Tree Lights .....	570.21	120.58
26 55 13 00-0140 EA 100 Watt Incandescent Tree Lights .....	583.92	120.58
26 55 13 00-0141 EA 150 Watt Incandescent Tree Lights .....	726.88	180.65
<b>26 55 16 Walkway Lighting</b> <small>(26 55)</small>		
<b>26 55 16 00-0001 Incandescent Walkway</b> <small>(26 55 16)</small>		
26 55 16 00-0002 EA Post Top 300 Watt Incandescent Walkway Fixture .....	342.97	84.00
<b>26 55 16 00-0003 Metal Halide Walkway</b> <small>(26 55 16)</small>		
26 55 16 00-0004 EA Post Top 100 Watt Metal Halide Walkway Fixture .....	526.59	132.05
26 55 16 00-0005 EA Post Top 150-175 Watt Metal Halide Walkway Fixture .....	559.04	136.84
26 55 16 00-0006 EA Post Top 250 Watt Metal Halide Walkway Fixture .....	605.40	142.08
26 55 16 00-0007 EA Post Top 400 Watt Metal Halide Walkway Fixture .....	647.62	153.55
26 55 16 00-0008 EA Round Luminaries 100 Watt Metal Halide Walkway Fixture .....	574.80	142.08
26 55 16 00-0009 EA Round Luminaries 150-175 Watt Metal Halide Walkway Fixture .....	585.47	132.05
26 55 16 00-0010 EA Round Luminaries 250 Watt Metal Halide Walkway Fixture .....	595.79	136.84
26 55 16 00-0011 EA Spherical 100 Watt Metal Halide Walkway Fixture .....	478.95	94.12
26 55 16 00-0012 EA Spherical 150-175 Watt Metal Halide Walkway Fixture .....	509.56	94.12
26 55 16 00-0013 EA Spherical 250 Watt Metal Halide Walkway Fixture .....	540.16	94.12
26 55 16 00-0014 EA Spherical 400 Watt Metal Halide Walkway Fixture .....	609.92	105.95
26 55 16 00-0015 EA Low Walkway 100 Watt Metal Halide Walkway Fixture .....	459.91	84.54
<b>26 55 16 00-0016 High Pressure Sodium Walkway</b> <small>(26 55 16)</small>		
26 55 16 00-0017 EA Post Top 100 Watt High Pressure Sodium Walkway Fixture .....	469.17	132.05
26 55 16 00-0018 EA Post Top 150-175 Watt High Pressure Sodium Walkway Fixture .....	496.62	136.84
26 55 16 00-0019 EA Post Top 250 Watt High Pressure Sodium Walkway Fixture .....	535.10	142.08

<b>26</b>	<b>Electrical</b>
<b>26 50</b>	<b>Lighting</b>
<b>26 55</b>	<b>Special Purpose Lighting</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 16 00-0020 EA Post Top 400 Watt High Pressure Sodium Walkway Fixture .....	573.16	153.55
26 55 16 00-0021 EA Round Luminaries 100 Watt High Pressure Sodium Walkway Fixture .....	511.19	142.08
26 55 16 00-0022 EA Round Luminaries 150-175 Watt High Pressure Sodium Walkway Fixture .....	515.17	132.05
26 55 16 00-0023 EA Round Luminaries 250 Watt High Pressure Sodium Walkway Fixture .....	525.33	136.84
26 55 16 00-0024 EA Spherical 100 Watt High Pressure Sodium Walkway Fixture.....	415.34	94.12
26 55 16 00-0025 EA Spherical 175 150-Watt High Pressure Sodium Walkway Fixture .....	439.26	94.12
26 55 16 00-0026 EA Spherical 250 Watt High Pressure Sodium Walkway Fixture.....	463.17	94.12
26 55 16 00-0027 EA Spherical 400 Watt High Pressure Sodium Walkway Fixture.....	522.89	105.95
26 55 16 00-0028 EA Low Walkway 100 Watt High Pressure Sodium Walkway Fixture.....	383.31	84.54
<b>26 55 16 00-0029 Walkway, Adjustable</b> <small>(26 55 16)</small>		
26 55 16 00-0030 EA 2' Fluorescent Adjustable Walkway Fixture .....	497.90	120.58
26 55 16 00-0031 EA 4' Fluorescent Adjustable Walkway Fixture .....	513.00	120.58
26 55 16 00-0032 EA 8' Fluorescent Adjustable Walkway Fixture .....	894.86	180.65
26 55 16 00-0033 EA 50 Watt Incandescent Adjustable Walkway Fixture .....	422.27	90.33
26 55 16 00-0034 EA 150 Watt Incandescent Adjustable Walkway Fixture .....	442.40	90.33
<b>26 55 16 00-0035 LED Walkway</b> <small>(26 55 16)</small>		
<b>26 55 16 00-0036 LED Pathway Fixtures (CREE® BetaLED® Edge® PWY-EDG)</b> <small>(26 55 16 00-0035)</small>		
<small>Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.</small>		
26 55 16 00-0037 EA 13" Height, 1,248 Lumens, 22 Watt, LED Pathway Fixture (CREE® BetaLED® Edge® PWY-EDG).....	958.54	69.31
<i>For Multi-Level Drive Currents, Add</i>	267.03	
26 55 16 00-0038 EA 18" Height, 1,248 Lumens, 22 Watt, LED Pathway Fixture (CREE® BetaLED® Edge® PWY-EDG).....	990.96	69.31
<i>For Multi-Level Drive Currents, Add</i>	267.03	
26 55 16 00-0039 EA 36" Height, 1,248 Lumens, 22 Watt, LED Pathway Fixture (CREE® BetaLED® Edge® PWY-EDG).....	1,048.18	69.31
<i>For Multi-Level Drive Currents, Add</i>	267.03	
26 55 16 00-0040 EA 42" Height, 1,248 Lumens, 22 Watt, LED Pathway Fixture (CREE® BetaLED® Edge® PWY-EDG).....	1,092.05	69.31
<i>For Multi-Level Drive Currents, Add</i>	267.03	
26 55 16 00-0041 EA 96" Height, 1,248 Lumens, 22 Watt, LED Pathway Fixture (CREE® BetaLED® Edge® PWY-EDG).....	1,249.04	89.10
<i>For Multi-Level Drive Currents, Add</i>	267.03	
<b>26 55 16 00-0042 Wall Mounted Walkway Lighting</b> <small>(26 55 16 00-0035)</small>		
26 55 16 00-0043 EA Wall Mounted Lantern With LED Kit, No. PDEX-Bracket (Herwig P-492).....	4,355.79	
<small>Note: Type Fixture 17 as Post</small>		
<b>26 55 16 00-0044 Pole Mounted Walkway Lighting</b> <small>(26 55 16 00-0035)</small>		
26 55 16 00-0045 EA 43-1/2" Height x 19" Diameter, LED Post Lantern (Herwig AP-27).....	4,015.25	
26 55 16 00-0046 EA 12' Tapered and Fluted Post (Herwig BRA Series, BRAJ-12) .....	3,940.57	
<small>Note: Washers and nuts included</small>		
<b>26 55 29 Underwater Lighting</b> <small>(26 55)</small>		
<b>26 55 29 00-0001 Underwater Lights</b> <small>(26 55 29)</small>		
26 55 29 00-0002 EA 150 Watt, 120 Volt Underwater Lights .....	472.02	60.07
26 55 29 00-0003 EA 300 Watt, 120 Volt Underwater Lights .....	526.85	60.07
26 55 29 00-0004 EA 1,000 Watt, 120 Volt Underwater Lights .....	1,300.26	90.33
26 55 29 00-0005 EA 50 Watt, 12 Volt Underwater Lights .....	494.87	60.07
26 55 29 00-0006 EA 300 Watt, 12 Volt Underwater Lights .....	558.84	60.07
26 55 29 00-0007 SET Under Water Fountain Fixture, Set Of 6, 300 Watt, Incandescent .....	1,435.98	135.48
<b>26 55 53 Security Lighting</b> <small>(26 55)</small>		
<b>26 55 53 11 Security Flood Lighting</b> <small>(26 55 53)</small>		
26 55 53 11-0001 Flood Lights (General Electric Powerflood®) <small>(26 55 53 11)</small>		
26 55 53 11-0002 MPF (Small Size) Series GE Flood Lights <small>(26 55 53 11-0001)</small>		
<small>Note: For perimeters, entrances, building facades and sign lighting. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. 1/2" threaded mounting knuckle.</small>		
26 55 53 11-0003 High Pressure Sodium MPF Series GE Flood Lights <small>(26 55 53 11-0002)</small>		
26 55 53 11-0004 EA 70 Watt High Pressure Sodium MPF Series GE Flood Light .....	333.18	80.53
26 55 53 11-0005 EA 100 Watt High Pressure Sodium MPF Series GE Flood Light .....	336.62	80.53
26 55 53 11-0006 EA 150 Watt High Pressure Sodium MPF Series GE Flood Light .....	342.36	80.53
26 55 53 11-0007 Metal Halide MPF Series GE Flood Lights <small>(26 55 53 11-0002)</small>		
26 55 53 11-0008 EA 70 Watt Metal Halide MPF Series GE Flood Light .....	469.72	80.53
26 55 53 11-0009 P-154 (Small Size) Series GE Flood Lights <small>(26 55 53 11-0001)</small>		
<small>Note: For parking lots, building security, building facades, recreation areas and sign lighting. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. Yoke or slip fitter mounting.</small>		





<b>Electrical</b>	<b>26</b>	<b>26</b>
Lighting	26 50	
Special Purpose Lighting	26 55	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>26 55 53 11-0010</b> High Pressure Sodium P-154 Series GE Flood Lights <small>(26 55 53 11-0009)</small>		
26 55 53 11-0011 EA 70 Watt High Pressure Sodium P-154 Series GE Flood Light.....	709.28	107.38
26 55 53 11-0012 EA 100 Watt High Pressure Sodium P-154 Series GE Flood Light.....	713.87	107.38
26 55 53 11-0013 EA 150 Watt High Pressure Sodium P-154 Series GE Flood Light.....	721.90	107.38
26 55 53 11-0014 EA 250 Watt High Pressure Sodium P-154 Series GE Flood Light.....	812.55	107.38
26 55 53 11-0015 EA 400 Watt High Pressure Sodium P-154 Series GE Flood Light.....	838.94	107.38
<b>26 55 53 11-0016</b> Metal Halide P-154 Series GE Flood Lights <small>(26 55 53 11-0009)</small>		
26 55 53 11-0017 EA 175 Watt Metal Halide P-154 Series GE Flood Light.....	701.25	107.38
26 55 53 11-0018 EA 250 Watt Metal Halide P-154 Series GE Flood Light.....	741.41	107.38
26 55 53 11-0019 EA 400 Watt Metal Halide P-154 Series GE Flood Light.....	762.06	107.38
<b>26 55 53 11-0020</b> PF-154 (Medium Size) Series GE Flood Lights <small>(26 55 53 11-0001)</small>		
Note: For parking lots, building security and building facades. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. Yoke or slip fitter mounting.		
<b>26 55 53 11-0021</b> High Pressure Sodium PF-154 Series GE Flood Lights <small>(26 55 53 11-0020)</small>		
26 55 53 11-0022 EA 70 Watt High Pressure Sodium PF-154 Series GE Flood Light.....	716.62	120.80
26 55 53 11-0023 EA 100 Watt High Pressure Sodium PF-154 Series GE Flood Light.....	722.36	120.80
26 55 53 11-0024 EA 150 Watt High Pressure Sodium PF-154 Series GE Flood Light.....	731.54	120.80
26 55 53 11-0025 EA 250 Watt High Pressure Sodium PF-154 Series GE Flood Light.....	821.04	120.80
26 55 53 11-0026 EA 400 Watt High Pressure Sodium PF-154 Series GE Flood Light.....	846.28	120.80
<b>26 55 53 11-0027</b> Metal Halide PF-154 GE Flood Lights <small>(26 55 53 11-0020)</small>		
26 55 53 11-0028 EA 175 Watt Metal Halide PF-154 Series GE Flood Light.....	709.74	120.80
26 55 53 11-0029 EA 250 Watt Metal Halide PF-154 Series GE Flood Light.....	748.75	120.80
26 55 53 11-0030 EA 400 Watt Metal Halide PF-154 Series GE Flood Light.....	769.40	120.80
<b>26 55 53 11-0031</b> PF-400 (Medium Size) Series GE Flood Lights <small>(26 55 53 11-0001)</small>		
Note: For parking lots, building security, building facades, shipping yards and rail yards. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Formed aluminum reflector. Yoke or slip fitter mounting.		
<b>26 55 53 11-0032</b> High Pressure Sodium PF-400 Series GE Flood Lights <small>(26 55 53 11-0031)</small>		
26 55 53 11-0033 EA 150 Watt High Pressure Sodium PF-400 Series GE Flood Light.....	987.41	120.80
26 55 53 11-0034 EA 200 Watt High Pressure Sodium PF-400 Series GE Flood Light.....	1,067.73	120.80
26 55 53 11-0035 EA 250 Watt High Pressure Sodium PF-400 Series GE Flood Light.....	1,061.99	120.80
26 55 53 11-0036 EA 400 Watt High Pressure Sodium PF-400 Series GE Flood Light.....	1,090.68	120.80
<b>26 55 53 11-0037</b> Metal Halide PF-400 GE Flood Lights <small>(26 55 53 11-0031)</small>		
26 55 53 11-0038 EA 175 Watt Metal Halide PF-400 Series GE Flood Light.....	1,017.24	120.80
26 55 53 11-0039 EA 250 Watt Metal Halide PF-400 Series GE Flood Light.....	1,041.34	120.80
26 55 53 11-0040 EA 400 Watt Metal Halide PF-400 Series GE Flood Light.....	1,066.58	120.80
<b>26 55 53 11-0041</b> PF-1000 (Large Size) Series GE Flood Lights <small>(26 55 53 11-0001)</small>		
Note: For parking lots, industrial yards and sports stadiums. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Formed aluminum reflector. Yoke or slip fitter mounting.		
<b>26 55 53 11-0042</b> High Pressure Sodium PF-154 Series GE Flood Lights <small>(26 55 53 11-0041)</small>		
26 55 53 11-0043 EA 750 Watt High Pressure Sodium PF-1000 Series GE Flood Light.....	1,357.32	134.22
26 55 53 11-0044 EA 1,000 Watt High Pressure Sodium PF-1000 Series GE Flood Light.....	1,357.32	134.22
<b>26 55 53 11-0045</b> Metal Halide PF-1000 Series GE Flood Lights <small>(26 55 53 11-0041)</small>		
26 55 53 11-0046 EA 1,000 Watt Metal Halide PF-1000 Series GE Flood Light.....	1,290.77	134.22
<b>26 55 53 11-0047</b> HLU/VLU (Medium Size) FRP Series GE Flood Lights <small>(26 55 53 11-0001)</small>		
Note: For parking lots, industrial yards, construction sites, recreation areas and facades. Includes corrosion resistant reinforced polyester housing and thermal shock resistant lens. Hydroformed aluminum reflector. Yoke or slip fitter mounting.		
<b>26 55 53 11-0048</b> High Pressure Sodium HLU/VLU FRP Series GE Flood Lights <small>(26 55 53 11-0047)</small>		
26 55 53 11-0049 EA 250 Watt High Pressure Sodium HLU/VLU FRP Series GE Flood Light.....	1,097.56	120.80
26 55 53 11-0050 EA 400 Watt High Pressure Sodium HLU/VLU FRP Series GE Flood Light.....	1,119.36	120.80
<b>26 55 53 11-0051</b> Metal Halide HLU/VLU Series GE Flood Lights <small>(26 55 53 11-0047)</small>		
26 55 53 11-0052 EA 400 Watt Metal Halide HLU/VLU FRP Series GE Flood Light.....	1,110.18	120.80
<b>26 55 53 11-0053</b> Accessories For Powerflood GE Flood Lights <small>(26 55 53 11-0001)</small>		
26 55 53 11-0054 EA Wireguard For Powerflood GE Flood Light.....	185.64	26.84



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 53 11-0055 EA Polycarbonate Vandal Shield For Powerflood GE Flood Light.....	100.73	26.84
26 55 53 11-0056 EA Top Visor For Powerflood Flood Light .....	153.51	26.84
26 55 53 11-0057 EA Top And Two Side Visors For Powerflood GE Flood Light .....	113.35	26.84
26 55 53 11-0058 EA Pipe Wall Mounting Bracket For Powerflood GE Flood Light.....	278.10	80.53
26 55 53 11-0059 EA Multiple Mounting Channel For Powerflood GE Flood Light .....	125.98	26.84
26 55 53 11-0060 EA Wall Or Flat Surface Bracket For Powerflood GE Flood Light .....	192.05	80.53
26 55 53 11-0061 EA Steel Angle Bracket For Powerflood GE Flood Light .....	202.38	80.53
26 55 53 11-0062 EA Cross Arm Adaptor For Powerflood GE Flood Light .....	90.41	26.84
26 55 53 11-0063 EA 120/240 Volt, 277 Volt, NEMA Twistlock Photocontrol For Powerflood GE Flood Light .....	86.96	26.84
<b>26 55 53 11-0064 Flood Lights (Lithonia Contour Series) (26 55 53 11)</b>		
<b>26 55 53 11-0065 TFM (Small Size) Series Lithonia Flood Lights (26 55 53 11-0064)</b>		
Note: For signs, flags, facades and landscaping. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Faceted parabolic optics. 1/2" threaded mounting knuckle.		
<b>26 55 53 11-0066 High Pressure Sodium TFM Series Lithonia Flood Lights (26 55 53 11-0065)</b>		
26 55 53 11-0067 EA 70 Watt High Pressure Sodium TFM Series Lithonia Flood Light.....	648.19	107.38
26 55 53 11-0068 EA 100 Watt High Pressure Sodium TFM Series Lithonia Flood Light.....	714.44	107.38
26 55 53 11-0069 EA 150 Watt High Pressure Sodium TFM Series Lithonia Flood Light.....	779.32	107.38
<b>26 55 53 11-0070 Metal Halide TFM Series Lithonia Flood Lights (26 55 53 11-0065)</b>		
26 55 53 11-0071 EA 50 Watt Metal Halide TFM Series Lithonia Flood Light.....	860.28	107.38
26 55 53 11-0072 EA 70 Watt Metal Halide TFM Series Lithonia Flood Light.....	844.33	107.38
26 55 53 11-0073 EA 100 Watt Metal Halide TFM Series Lithonia Flood Light.....	818.63	107.38
26 55 53 11-0074 EA 175 Watt Metal Halide TFM Series Lithonia Flood Light .....	816.72	107.38
<b>26 55 53 11-0075 Compact Fluorescent TFM Series Lithonia Flood Lights (26 55 53 11-0065)</b>		
26 55 53 11-0076 EA 42 Watt Compact Fluorescent TFM Series Lithonia Flood Light.....	853.67	107.38
<b>26 55 53 11-0077 TFL (Medium Size) Series Lithonia Flood Lights (26 55 53 11-0064)</b>		
Note: For recreation areas, parking lots, building facades and car lots. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. Yoke or slip fitter mounting.		
<b>26 55 53 11-0078 High Pressure Sodium TFL Series Lithonia Flood Lights (26 55 53 11-0077)</b>		
26 55 53 11-0079 EA 250 Watt High Pressure Sodium TFL Series Lithonia Flood Light.....	1,020.27	120.80
26 55 53 11-0080 EA 400 Watt High Pressure Sodium TFL Series Lithonia Flood Light.....	1,042.37	120.80
<b>26 55 53 11-0081 Metal Halide TFL Series Lithonia Flood Lights (26 55 53 11-0077)</b>		
26 55 53 11-0082 EA 175 Watt Metal Halide TFL Series Lithonia Flood Light.....	970.61	120.80
26 55 53 11-0083 EA 250 Watt Metal Halide TFL Series Lithonia Flood Light.....	970.61	120.80
26 55 53 11-0084 EA 400 Watt Metal Halide TFL Series Lithonia Flood Light.....	1,005.26	120.80
<b>26 55 53 11-0085 TFR (Low Profile) Series Lithonia Flood Lights (26 55 53 11-0064)</b>		
Note: For recreation areas, parking lots, building facades and car lots. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. Yoke or slip fitter mounting.		
<b>26 55 53 11-0086 High Pressure Sodium TFR Lithonia Flood Lights (26 55 53 11-0085)</b>		
26 55 53 11-0087 EA 150 Watt High Pressure Sodium Horizontal TFR Series Lithonia Flood Light .....	982.41	107.38
26 55 53 11-0088 EA 250 Watt High Pressure Sodium Horizontal TFR Series Lithonia Flood Light .....	1,015.47	107.38
26 55 53 11-0089 EA 400 Watt High Pressure Sodium Horizontal TFR Series Lithonia Flood Light .....	1,043.10	107.38
<b>26 55 53 11-0090 Metal Halide TFR Lithonia Flood Lights (26 55 53 11-0085)</b>		
26 55 53 11-0091 EA 250 Watt Metal Halide TFR Series Lithonia Flood Light .....	971.35	107.38
26 55 53 11-0092 EA 400 Watt Metal Halide TFR Series Lithonia Flood Light .....	1,004.46	107.38
<b>26 55 53 11-0093 TFA (Large Size) Series Lithonia Flood Lights (26 55 53 11-0064)</b>		
Note: For industrial yards, parking lots, construction sites, streets and recreational areas. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. Yoke or slip fitter mounting.		
<b>26 55 53 11-0094 High Pressure Sodium TFA Series Lithonia Flood Lights (26 55 53 11-0093)</b>		
26 55 53 11-0095 EA 1,000 Watt High Pressure Sodium TFA Series Lithonia Flood Light.....	1,952.55	134.22
<b>26 55 53 11-0096 Metal Halide TFA Series Lithonia Flood Lights (26 55 53 11-0093)</b>		
26 55 53 11-0097 EA 400 Watt Metal Halide TFA Series Lithonia Flood Light.....	1,483.19	134.22
26 55 53 11-0098 EA 1,000 Watt Metal Halide TFA Series Lithonia Flood Light.....	1,648.83	134.22
<b>26 55 53 11-0099 Accessories For Contour Series Lithonia Flood Lights (26 55 53 11-0064)</b>		



<b>Electrical</b>	<b>26</b>	<b>26</b>
Lighting	26 50	
Special Purpose Lighting	26 55	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 53 11-0100 EA Wireguard For Contour Series Lithonia Flood Light.....	157.81	26.84
26 55 53 11-0101 EA Vandal Guard For Contour Series Lithonia Flood Light .....	320.39	26.84
26 55 53 11-0102 EA Upper Visor For Contour Series Lithonia Flood Light .....	127.12	26.84
26 55 53 11-0103 EA Full Visor For Contour Series Lithonia Flood Light .....	176.81	26.84
26 55 53 11-0104 EA Pipe Wall Mounting Bracket For Contour Series Lithonia Flood Light .....	381.90	80.53
26 55 53 11-0105 EA Radius Wall Bracket For Contour Series Lithonia Flood Light .....	293.98	80.53
26 55 53 11-0106 EA Steel Angle Bracket For Contour Series Lithonia Flood Light .....	293.98	80.53
26 55 53 11-0107 EA U Bolt Wall Bracket For Contour Series Lithonia Flood Light, Mounts To 2" Pipe .....	329.05	80.53
26 55 53 11-0108 EA Crossarm Adapter For Horizontal Mounted Contour Lithonia Series Flood Light .....	150.26	26.84
26 55 53 11-0109 EA 120/240 Volt, 277 Volt, NEMA Twistlock Photocontrol For Contour Lithonia Series Flood Light .....	116.57	26.84
<b>26 55 53 11-0110 Flood Lights (Eaton) (26 55 53 11)</b>		
26 55 53 11-0111 EA 6" x 6", 16,932 Lumens, 128 Watt, LED Flood Light (Eaton NFFLD-C40-D-UNV-66-T-CB).....	1,056.53	107.38
For NEMA Photocontrol Option (Eaton OA/RA1016), Add	59.40	
For >50 To 100, Deduct	-31.78	
For >100 To 250, Deduct	-58.20	
For >250 To 500, Deduct	-105.65	
For >500, Deduct	-153.11	
26 55 53 11-0112 EA 16,900 Lumens, 128 Watt, NEMA 6H x 6V Wide, Trunnion Mount, 4000K CCT, Night Falcon LED Flood Light With Multi-Tap (Cooper Industries NFFLD-C40-D-UNV-66-T-CB-PER7+OA/RA1016).....	1,319.16	116.41
For >50 To 100, Deduct	-38.80	
For >100 To 250, Deduct	-71.78	
For >250 To 500, Deduct	-131.92	
For >500, Deduct	-192.05	
<b>26 55 53 11-0113 Flood Lights (Ruud) (26 55 53 11)</b>		
<b>26 55 53 11-0114 NS (Micro) Series Ruud Flood Lights (26 55 53 11-0113)</b>		
Note: Provides conventional floodlighting. 1/2" threaded mounting knuckle.		
<b>26 55 53 11-0115 High Pressure Sodium NS Series Ruud Flood Lights (26 55 53 11-0114)</b>		
26 55 53 11-0116 EA 35 Watt High Pressure Sodium NS Series Ruud Flood Light .....	420.38	80.53
26 55 53 11-0117 EA 50 Watt High Pressure Sodium NS Series Ruud Flood Light .....	420.38	80.53
26 55 53 11-0118 EA 70 Watt High Pressure Sodium NS Series Ruud Flood Light .....	420.38	80.53
26 55 53 11-0119 EA 100 Watt High Pressure Sodium NS Series Ruud Flood Light .....	420.38	80.53
26 55 53 11-0120 EA 150 Watt High Pressure Sodium NS Series Ruud Flood Light .....	420.38	80.53
<b>26 55 53 11-0121 Metal Halide NS Series Ruud Flood Lights (26 55 53 11-0114)</b>		
26 55 53 11-0122 EA 50 Watt Metal Halide NS Series Ruud Flood Light .....	484.64	80.53
26 55 53 11-0123 EA 70 Watt Metal Halide NS Series Ruud Flood Light .....	484.64	80.53
26 55 53 11-0124 EA 100 Watt Metal Halide NS Series Ruud Flood Light .....	484.64	80.53
<b>26 55 53 11-0125 Compact Fluorescent NS Series Ruud Flood Lights (26 55 53 11-0114)</b>		
26 55 53 11-0126 EA 13 Watt Compact Fluorescent NS Series Ruud Flood Light .....	353.83	80.53
26 55 53 11-0127 EA 26 Watt Compact Fluorescent NS Series Ruud Flood Light .....	369.90	80.53
26 55 53 11-0128 EA 32 Watt Compact Fluorescent NS Series Ruud Flood Light .....	374.49	80.53
26 55 53 11-0129 EA 42 Watt Compact Fluorescent NS Series Ruud Flood Light .....	379.08	80.53
<b>26 55 53 11-0130 NSF/NSW/NSC (Standard, Wide And Cutoff Micro) Series Ruud Flood Lights (26 55 53 11-0113)</b>		
Note: The NSF is suited for large open areas and façade applications. The NSW is suited for roadway applications, parking areas or security. The NSC is designed for parking lot and outdoor sports areas. Yoke or slip fitter mounting.		
<b>26 55 53 11-0131 High Pressure Sodium NSF/NSW/NSC Series Ruud Flood Lights (26 55 53 11-0130)</b>		
26 55 53 11-0132 EA 150 Watt High Pressure Sodium NSF/NSW/NSC Series Ruud Flood Light .....	650.07	120.80
26 55 53 11-0133 EA 250 Watt High Pressure Sodium NSF/NSW/NSC Series Ruud Flood Light .....	691.38	120.80
26 55 53 11-0134 EA 400 Watt High Pressure Sodium NSF/NSW/NSC Series Ruud Flood Light .....	714.33	120.80
<b>26 55 53 11-0135 Metal Halide NSF/NSW/NSC Series Ruud Flood Lights (26 55 53 11-0130)</b>		
26 55 53 11-0136 EA 175 Watt Metal Halide NSF/NSW/NSC Series Ruud Flood Light .....	640.90	120.80
26 55 53 11-0137 EA 250 Watt Metal Halide NSF/NSW/NSC Series Ruud Flood Light .....	645.48	120.80
26 55 53 11-0138 EA 400 Watt Metal Halide NSF/NSW/NSC Series Ruud Flood Light .....	659.25	120.80
<b>26 55 53 11-0139 Compact Fluorescent NSF/NSW/NSC Series Ruud Flood Lights (26 55 53 11-0130)</b>		
26 55 53 11-0140 EA 70 Watt Compact Fluorescent NSF/NSW/NSC Series Ruud Flood Light .....	624.83	120.80
<b>26 55 53 11-0141 FS (Square) Series Ruud Flood Lights (26 55 53 11-0113)</b>		
Note: For signs, large open areas and façade applications. Yoke or slip fitter mounting.		
<b>26 55 53 11-0142 High Pressure Sodium FS Series Ruud Flood Lights (26 55 53 11-0141)</b>		
26 55 53 11-0143 EA 250 Watt High Pressure Sodium FS Series Ruud Flood Light .....	771.70	120.80
26 55 53 11-0144 EA 400 Watt High Pressure Sodium FS Series Ruud Flood Light .....	776.29	120.80
26 55 53 11-0145 EA 1,000 Watt High Pressure Sodium FS Series Ruud Flood Light .....	1,358.47	134.22

<b>26</b>	<b>Electrical</b>
<b>26 50</b>	<b>Lighting</b>
<b>26 55</b>	<b>Special Purpose Lighting</b>



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 53 11-0146		<b>Metal Halide FS Series Ruud Flood Lights</b> <small>(26 55 53 11-0141)</small>		
26 55 53 11-0147	EA	175 Watt Metal Halide FS Series Ruud Flood Light.....	771.70	120.80
26 55 53 11-0148	EA	250 Watt Metal Halide FS Series Ruud Flood Light.....	776.29	120.80
26 55 53 11-0149	EA	400 Watt Metal Halide FS Series Ruud Flood Light.....	790.06	120.80
26 55 53 11-0150	EA	1,000 Watt Metal Halide FS Series Ruud Flood Light.....	1,207.01	134.22
26 55 53 11-0151		<b>MFS (Mini Square) Series Ruud Flood Lights</b> <small>(26 55 53 11-0113)</small> Note: For signs, large open areas and façade applications. Yoke or slip fitter mounting.		
26 55 53 11-0152		<b>High Pressure Sodium MFS Series Ruud Flood Lights</b> <small>(26 55 53 11-0151)</small>		
26 55 53 11-0153	EA	35 Watt High Pressure Sodium MFS Series Ruud Flood Light.....	597.98	107.38
26 55 53 11-0154	EA	50 Watt High Pressure Sodium MFS Series Ruud Flood Light.....	646.17	107.38
26 55 53 11-0155	EA	70 Watt High Pressure Sodium MFS Series Ruud Flood Light.....	646.17	107.38
26 55 53 11-0156	EA	100 Watt High Pressure Sodium MFS Series Ruud Flood Light.....	646.17	107.38
26 55 53 11-0157	EA	150 Watt High Pressure Sodium MFS Series Ruud Flood Light.....	646.17	107.38
26 55 53 11-0158		<b>Metal Halide MFS Series Ruud Flood Lights</b> <small>(26 55 53 11-0151)</small>		
26 55 53 11-0159	EA	50 Watt Metal Halide MFS Series Ruud Flood Light.....	662.24	107.38
26 55 53 11-0160	EA	70 Watt Metal Halide MFS Series Ruud Flood Light.....	662.24	107.38
26 55 53 11-0161	EA	100 Watt Metal Halide MFS Series Ruud Flood Light.....	662.24	107.38
26 55 53 11-0162	EA	175 Watt Metal Halide MFS Series Ruud Flood Light.....	636.99	107.38
26 55 53 11-0163		<b>MCF/MPM/MPN (Mini Cutoff. Parabolic Medium And Narrow Mini Square) Series Ruud Flood Lights</b> <small>(26 55 53 11-0113)</small> Note: The MCF is suited for parking lots, volleyball courts and tennis courts. The MPM and MPN are suited for flagpoles, columns and narrow signs. Yoke or slip fitter mounting.		
26 55 53 11-0164		<b>High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Lights</b> <small>(26 55 53 11-0163)</small>		
26 55 53 11-0165	EA	35 Watt High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Light .....	655.35	107.38
26 55 53 11-0166	EA	50 Watt High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Light .....	703.54	107.38
26 55 53 11-0167	EA	70 Watt High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Light .....	703.54	107.38
26 55 53 11-0168	EA	100 Watt High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Light.....	703.54	107.38
26 55 53 11-0169	EA	150 Watt High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Light .....	703.54	107.38
26 55 53 11-0170		<b>Metal Halide MCF/MPM/MPN Series Ruud Flood Lights</b> <small>(26 55 53 11-0163)</small>		
26 55 53 11-0171	EA	50 Watt Metal Halide MCF/MPM/MPN Series Ruud Flood Light .....	719.61	107.38
26 55 53 11-0172	EA	70 Watt Metal Halide MCF/MPM/MPN Series Ruud Flood Light .....	719.61	107.38
26 55 53 11-0173	EA	100 Watt Metal Halide MCF/MPM/MPN Series Ruud Flood Light .....	719.61	107.38
26 55 53 11-0174	EA	175 Watt Metal Halide MCF/MPM/MPN Series Ruud Flood Light .....	694.36	107.38
26 55 53 11-0175		<b>CF (Cutoff Square) Series Ruud Flood Lights</b> <small>(26 55 53 11-0113)</small> Note: The CF is suited for parking lots, volleyball courts and tennis courts. Yoke or slip fitter mounting.		
26 55 53 11-0176		<b>High Pressure Sodium CF Series Ruud Flood Lights</b> <small>(26 55 53 11-0175)</small>		
26 55 53 11-0177	EA	250 Watt High Pressure Sodium CF Series Ruud Flood Light.....	879.55	120.80
26 55 53 11-0178	EA	400 Watt High Pressure Sodium CF Series Ruud Flood Light.....	902.50	120.80
26 55 53 11-0179	EA	1,000 Watt High Pressure Sodium CF Series Ruud Flood Light.....	1,415.84	134.22
26 55 53 11-0180		<b>Metal Halide CF Series Ruud Flood Lights</b> <small>(26 55 53 11-0175)</small>		
26 55 53 11-0181	EA	175 Watt Metal Halide CF Series Ruud Flood Light .....	829.07	120.80
26 55 53 11-0182	EA	250 Watt Metal Halide CF Series Ruud Flood Light .....	833.66	120.80
26 55 53 11-0183	EA	400 Watt Metal Halide CF Series Ruud Flood Light .....	847.43	120.80
26 55 53 11-0184	EA	1,000 Watt Metal Halide CF Series Ruud Flood Light .....	1,264.38	134.22
26 55 53 11-0185		<b>CN (Narrow Beam Cutoff Square) Series Ruud Flood Lights</b> <small>(26 55 53 11-0113)</small> Note: The CN is suited for large sports fields, building facades and signs. Yoke or slip fitter mounting.		
26 55 53 11-0186		<b>High Pressure Sodium CN Series Ruud Flood Lights</b> <small>(26 55 53 11-0185)</small>		
26 55 53 11-0187	EA	400 High Pressure Sodium CN Series Ruud Flood Light.....	1,149.64	134.22
26 55 53 11-0188	EA	1,000 High Pressure Sodium CN Series Ruud Flood Light.....	1,388.30	134.22
26 55 53 11-0189		<b>Metal Halide CN Series Ruud Flood Lights</b> <small>(26 55 53 11-0185)</small>		
26 55 53 11-0190	EA	400 Watt Metal Halide CN Series Ruud Flood Light.....	1,094.57	134.22
26 55 53 11-0191	EA	1,000 Watt Metal Halide CN Series Ruud Flood Light.....	1,236.85	134.22
26 55 53 11-0192		<b>PM/PN (Parabolic Medium And Narrow Square) Series Ruud Flood Lights</b> <small>(26 55 53 11-0113)</small> Note: The PM and PN are suited for flagpoles, columns and narrow signs. Yoke or slip fitter mounting.		
26 55 53 11-0193		<b>High Pressure Sodium PM/PN Series Ruud Flood Lights</b> <small>(26 55 53 11-0192)</small>		
26 55 53 11-0194	EA	250 Watt High Pressure Sodium PM/PN Series Ruud Flood Light.....	911.68	120.80



<b>Electrical</b>	<b>26</b>	<b>26</b>
Lighting	26 50	
Special Purpose Lighting	26 55	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 53 11-0195 EA 400 Watt High Pressure Sodium PM/PN Series Ruud Flood Light.....	934.63	120.80
<b>26 55 53 11-0196 Metal Halide PM/PN Series Ruud Flood Lights (26 55 53 11-0192)</b>		
26 55 53 11-0197 EA 175 Watt Metal Halide PM/PN Series Ruud Flood Light.....	861.20	120.80
26 55 53 11-0198 EA 250 Watt Metal Halide PM/PN Series Ruud Flood Light.....	865.79	120.80
26 55 53 11-0199 EA 400 Watt Metal Halide PM/PN Series Ruud Flood Light.....	879.55	120.80
26 55 53 11-0200 EA 1,000 Watt Metal Halide PM/PN Series Ruud Flood Light.....	1,296.51	134.22
<b>26 55 53 11-0201 Accessories For Ruud Flood Lighting (26 55 53 11-0113)</b>		
26 55 53 11-0202 EA Wireguard For Ruud Flood Light.....	88.11	26.84
26 55 53 11-0203 EA Deep Baffle (Full Visor) For Ruud Flood Light.....	150.07	26.84
26 55 53 11-0204 EA Glare Guard (Upper Visor) For Ruud Flood Light.....	104.18	26.84
26 55 53 11-0205 EA Vandal Shield For Ruud Flood Light.....	127.12	26.84
26 55 53 11-0206 EA Pipe Mounting Bracket For Ruud Flood Light.....	239.09	80.53
26 55 53 11-0207 EA 120/240 Volt, 277 Volt, NEMA Twistlock Photocontrol For Ruud Flood Light.....	74.34	26.84
<b>26 55 53 11-0208 Flood Lights (Lumark) (26 55 53 11)</b>		
<b>26 55 53 11-0209 QZ Wedge Series Quartz Lumark Flood Lights (26 55 53 11-0208)</b>		
Note: For small outdoor areas. Die-cast aluminum housing heat and weather resistant gaskets.		
26 55 53 11-0210 EA 500 Watt QZ Wedge Series Quartz Lumark Flood Light.....	208.00	80.53
<b>26 55 53 11-0211 LQL Series Quartz Lumark Flood Lights (26 55 53 11-0208)</b>		
Note: For medium size outdoor areas. Die-cast aluminum housing heat and weather resistant gaskets.		
26 55 53 11-0212 EA 1,500 Watt LQL Series Quartz Lumark Flood Light.....	275.70	80.53
<b>26 55 53 11-0213 Flood Lights (Kim Lighting) (26 55 53 11)</b>		
<b>26 55 53 11-0214 MicroFlood® Series Kim Lighting Flood Lights (26 55 53 11-0213)</b>		
Note: For signs, flags, facades and landscaping. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and gasketed and tempered lens. 1/2" threaded mounting knuckle.		
<b>26 55 53 11-0215 LED MicroFlood® Series Kim Lighting Flood Lights (26 55 53 11-0214)</b>		
26 55 53 11-0216 EA 5 Watt, LED MicroFlood® Series Kim Lighting Flood Light.....	515.21	31.68
For >50 To 100, Deduct		-14.46
For >100 To 250, Deduct		-27.34
For >250 To 500, Deduct		-51.52
For >500, Deduct		-75.70
26 55 53 11-0217 EA 15 Watt, LED MicroFlood® Series Kim Lighting Flood Light.....	642.57	31.68
For >50 To 100, Deduct		-17.65
For >100 To 250, Deduct		-33.71
For >250 To 500, Deduct		-64.26
For >500, Deduct		-94.80
<b>26 55 53 11-0218 Scarab® Series Kim Lighting Flood Lights (26 55 53 11-0213)</b>		
Note: For signs, flags, facades and landscaping. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and gasketed and tempered lens. 1/2" threaded mounting knuckle.		
<b>26 55 53 11-0219 LED Scarab® Series Kim Lighting Accent Flood Lights (26 55 53 11-0218)</b>		
Note: Spot or narrow style accent flood lights.		
26 55 53 11-0220 EA 6 Watt, LED Scarab® Series Kim Lighting Accent Flood Light.....	799.03	31.68
For >50 To 100, Deduct		-21.56
For >100 To 250, Deduct		-41.54
For >250 To 500, Deduct		-79.90
For >500, Deduct		-118.27
<b>26 55 53 11-0221 Flood Lights (CREE® BetaLED®) (26 55 53 11)</b>		
<b>26 55 53 11-0222 Yoke Mount, Square, LED Flood Lights (CREE® BetaLED® FLD-304) (26 55 53 11-0221)</b>		
Note: UL wet listed. Includes 5,700K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 55 53 11-0223 EA 40 LEDs, 47 Watt, Yoke Mount, Square, LED Flood Light (CREE® BetaLED® FLD-304).....	1,235.70	95.25
For >50 To 100, Deduct		-35.65
For >100 To 250, Deduct		-66.55
For >250 To 500, Deduct		-123.57
For >500, Deduct		-180.59
26 55 53 11-0224 EA 60 LEDs, 68 Watt, Yoke Mount, Square, LED Flood Light (CREE® BetaLED® FLD-304).....	1,356.91	100.54
For >50 To 100, Deduct		-38.95
For >100 To 250, Deduct		-72.87
For >250 To 500, Deduct		-135.69
For >500, Deduct		-198.51

<b>26</b>	<b>Electrical</b>
<b>26 50</b>	<b>Lighting</b>
<b>26 55</b>	<b>Special Purpose Lighting</b>



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

26 55 53 11-0225	<b>Adjustable Arm Mount, Rectangular, LED Flood Lights (CREE® BetaLED® Edge® FLD-EDG)</b> <small>(26 55 53 11-0221)</small> Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 55 53 11-0226	EA 20 LEDs, 26 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG).....	1,066.82	89.95
	<i>For 347-480 Volt, Add</i>	107.03	
	<i>For &gt;50 To 100, Deduct</i>	-31.17	
	<i>For &gt;100 To 250, Deduct</i>	-57.84	
	<i>For &gt;250 To 500, Deduct</i>	-106.68	
	<i>For &gt;500, Deduct</i>	-155.53	
26 55 53 11-0227	EA 40 LEDs, 47 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG).....	1,357.77	95.25
	<i>For 347-480 Volt, Add</i>	107.03	
	<i>For &gt;50 To 100, Deduct</i>	-38.71	
	<i>For &gt;100 To 250, Deduct</i>	-72.65	
	<i>For &gt;250 To 500, Deduct</i>	-135.78	
	<i>For &gt;500, Deduct</i>	-198.90	
26 55 53 11-0228	EA 60 LEDs, 68 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG).....	1,648.73	100.54
	<i>For 347-480 Volt, Add</i>	107.03	
	<i>For &gt;50 To 100, Deduct</i>	-46.25	
	<i>For &gt;100 To 250, Deduct</i>	-87.46	
	<i>For &gt;250 To 500, Deduct</i>	-164.87	
	<i>For &gt;500, Deduct</i>	-242.28	
26 55 53 11-0229	EA 80 LEDs, 90 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG).....	2,052.23	105.83
	<i>For 347-480 Volt, Add</i>	107.03	
	<i>For &gt;50 To 100, Deduct</i>	-56.60	
	<i>For &gt;100 To 250, Deduct</i>	-107.90	
	<i>For &gt;250 To 500, Deduct</i>	-205.22	
	<i>For &gt;500, Deduct</i>	-302.54	
26 55 53 11-0230	EA 100 LEDs, 111 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG).....	2,343.19	111.12
	<i>For 347-480 Volt, Add</i>	107.03	
	<i>For &gt;50 To 100, Deduct</i>	-64.14	
	<i>For &gt;100 To 250, Deduct</i>	-122.72	
	<i>For &gt;250 To 500, Deduct</i>	-234.32	
	<i>For &gt;500, Deduct</i>	-345.92	
26 55 53 11-0231	EA 120 LEDs, 132 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG).....	2,634.14	116.41
	<i>For 347-480 Volt, Add</i>	107.03	
	<i>For &gt;50 To 100, Deduct</i>	-71.67	
	<i>For &gt;100 To 250, Deduct</i>	-137.53	
	<i>For &gt;250 To 500, Deduct</i>	-263.41	
	<i>For &gt;500, Deduct</i>	-389.30	
26 55 53 11-0232	EA 140 LEDs, 157 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG).....	3,014.75	121.71
	<i>For 347-480 Volt, Add</i>	107.03	
	<i>For &gt;50 To 100, Deduct</i>	-81.45	
	<i>For &gt;100 To 250, Deduct</i>	-156.82	
	<i>For &gt;250 To 500, Deduct</i>	-301.48	
	<i>For &gt;500, Deduct</i>	-446.13	
26 55 53 11-0233	EA 160 LEDs, 179 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG).....	3,305.71	126.99
	<i>For 347-480 Volt, Add</i>	107.03	
	<i>For &gt;50 To 100, Deduct</i>	-88.99	
	<i>For &gt;100 To 250, Deduct</i>	-171.64	
	<i>For &gt;250 To 500, Deduct</i>	-330.57	
	<i>For &gt;500, Deduct</i>	-489.51	
26 55 53 11-0234	<b>Adjustable Arm Mount, Rectangular, High Output, LED Flood Lights (CREE® BetaLED® Edge® FLD-EHO)</b> <small>(26 55 53 11-0221)</small> Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 700mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 55 53 11-0235	EA 120 LEDs, 267 Watt, Adjustable Arm Mount, Rectangular, High Output, LED Flood Light (CREE® BetaLED® Edge® FLD-EHO).....	2,521.61	116.41
	<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	22.49	
	<i>For Bird Spikes, Add</i>	47.08	
	<i>For 5,000K Color Temperature, Add</i>	56.24	
	<i>For Fuse, Add</i>	67.48	
	<i>For 0 To 10 Volt Dimming, Add</i>	67.48	
	<i>For 480 Volt, Add</i>	101.23	
	<i>For Multi-Level, Add</i>	146.21	
	<i>For 1,000mA Driver, Add</i>	188.96	
	<i>For &gt;50 To 100, Deduct</i>	-68.86	
	<i>For &gt;100 To 250, Deduct</i>	-131.90	
	<i>For &gt;250 To 500, Deduct</i>	-252.16	
	<i>For &gt;500, Deduct</i>	-372.42	



<b>Electrical</b>	<b>26</b>	
<b>Lighting</b>	<b>26 50</b>	<b>26</b>
Special Purpose Lighting	26 55	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 53 11-0236 EA 240 LEDs, 533 Watt, Adjustable Arm Mount, Rectangular, High Output, LED Flood Light (CREE® BetaLED® Edge® FLD-EHO) .....	4,322.42	142.87
For 3 Or 7-Pin NEMA Photocell Receptacle, Add	22.49	
For 5,000K Color Temperature, Add	56.24	
For Fuse, Add	67.48	
For 0 To 10 Volt Dimming, Add	67.48	
For Bird Spikes, Add	70.99	
For Multi-Level, Add	146.21	
For 1,000mA Driver, Add	188.96	
For 480 Volt, Add	202.45	
For >50 To 100, Deduct	-115.20	
For >100 To 250, Deduct	-223.26	
For >250 To 500, Deduct	-432.24	
For >500, Deduct	-641.22	
<b>26 55 53 11-0237 Direct Or Adjustable Arm Mount, Rectangular, High Output, LED Flood Lights (CREE® BetaLED® OSQ™) (26 55 53 11-0221)</b>		
Note: UL wet listed. Includes 3,000K or 4,000K or 5,700K color temperature, 120/277 voltage, Class 1 driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 55 53 11-0238 EA 112 Watt, Direct Or Adjustable Arm Mount, Rectangular, High Output, LED Flood Light (CREE® BetaLED® OSQ™ OSQ-A-NM-XXX-A-XXX-US-UL) .....	1,437.45	116.41
For 3 Or 7-Pin NEMA Photocell Receptacle, Add	22.49	
For Front Facing Optics, Back Light Shield, Add	35.25	
For Rotated Optics, Back Light Shield, Add	35.25	
For Field Adjustable Output, Add	33.75	
For Fuse, Add	67.48	
For 0 To 10 Volt Dimming, Add	67.48	
For Multi-Level, Add	146.21	
For >50 To 100, Deduct	-41.76	
For >100 To 250, Deduct	-77.69	
For >250 To 500, Deduct	-143.75	
For >500, Deduct	-209.80	
26 55 53 11-0239 EA 168 Watt, Direct Or Adjustable Arm Mount, Rectangular, High Output, LED Flood Light (CREE® BetaLED® OSQ™ OSQ-A-NM-XXX-J-XXX-US-UL) .....	1,543.74	116.41
Note: Type III, IV or V medium optics only.		
For 3 Or 7-Pin NEMA Photocell Receptacle, Add	22.49	
For Front Facing Optics, Back Light Shield, Add	35.25	
For Rotated Optics, Back Light Shield, Add	35.25	
For Field Adjustable Output, Add	33.75	
For Fuse, Add	67.48	
For 0 To 10 Volt Dimming, Add	67.48	
For Type II Medium Or Type V Short Optics, Add	270.14	
For Multi-Level, Add	146.21	
For >50 To 100, Deduct	-44.41	
For >100 To 250, Deduct	-83.01	
For >250 To 500, Deduct	-154.37	
For >500, Deduct	-225.74	
26 55 53 11-0240 EA 223 Watt, Direct Or Adjustable Arm Mount, Rectangular, High Output, LED Flood Light (CREE® BetaLED® OSQ™ OSQ-A-NM-XXX-S-XXX-US-UL) .....	1,986.39	142.87
For 3 Or 7-Pin NEMA Photocell Receptacle, Add	22.49	
For Field Adjustable Output, Add	33.75	
For Front Facing Optics, Back Light Shield, Add	42.63	
For Rotated Optics, Back Light Shield, Add	42.63	
For Fuse, Add	67.48	
For 0 To 10 Volt Dimming, Add	67.48	
For Multi-Level, Add	146.21	
For >50 To 100, Deduct	-56.80	
For >100 To 250, Deduct	-106.46	
For >250 To 500, Deduct	-198.64	
For >500, Deduct	-290.82	
<b>26 55 53 11-0241 Flood Lights (PlanLED) (26 55 53 11)</b>		
<b>26 55 53 11-0242 Adjustable Arm Mount, LED Flood Lights (PlanLED WAPA) (26 55 53 11-0241)</b>		
26 55 53 11-0243 EA 6,250 Lumens, 50 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (PlanLED WAPA WP050) .....	601.65	95.25
For >50 To 100, Deduct	-19.80	
For >100 To 250, Deduct	-34.84	
For >250 To 500, Deduct	-60.17	
For >500, Deduct	-85.49	
26 55 53 11-0244 EA 9,375 Lumens, 75 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (PlanLED WAPA WP075) .....	728.20	100.54
For >50 To 100, Deduct	-23.23	
For >100 To 250, Deduct	-41.44	
For >250 To 500, Deduct	-72.82	
For >500, Deduct	-104.20	
26 55 53 11-0245 EA 12,500 Lumens, 100 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (PlanLED WAPA WP100) .....	845.28	108.47
For >50 To 100, Deduct	-26.56	
For >100 To 250, Deduct	-47.69	
For >250 To 500, Deduct	-84.53	
For >500, Deduct	-121.37	
<b>26 55 53 11-0246 Adjustable Arm Mount, LED Sports Flood Lights (PlanLED SUFA) (26 55 53 11-0241)</b>		

<b>26</b>	<b>Electrical</b>
<b>26 50</b>	<b>Lighting</b>
<b>26 55</b>	<b>Special Purpose Lighting</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 53 11-0247 EA 21,000 Lumens, 200 Watt, LED Sports Flood Light (PlanLED SUFA SF200) .....	1,720.05	211.66
For 0 To 10 Volt Dimming, Add	91.12	
For >50 To 100, Deduct	-53.58	
For >100 To 250, Deduct	-96.59	
For >250 To 500, Deduct	-172.01	
For >500, Deduct	-247.42	
26 55 53 11-0248 EA 42,000 Lumens, 400 Watt, LED Sports Flood Light (PlanLED SUFA SF400) .....	2,742.68	211.66
For 0 To 10 Volt Dimming, Add	91.12	
For >50 To 100, Deduct	-79.15	
For >100 To 250, Deduct	-147.72	
For >250 To 500, Deduct	-274.27	
For >500, Deduct	-400.82	
26 55 53 11-0249 EA 84,000 Lumens, 800 Watt, LED Sports Flood Light (PlanLED SUFA SF800) .....	4,943.95	211.66
For 0 To 10 Volt Dimming, Add	91.12	
For >50 To 100, Deduct	-134.18	
For >100 To 250, Deduct	-257.78	
For >250 To 500, Deduct	-494.40	
For >500, Deduct	-731.01	
<b>26 55 53 11-0250 Adjustable Arm Mount, LED High Mast Flood Lights (PlanLED MAHA)</b> <small>(26 55 53 11-0241)</small>		
26 55 53 11-0251 EA 26,000 Lumens, 200 Watt, Adjustable Arm Mount, Rectangular, LED High Mast Flood Light (PlanLED MAHA MA200) .....	1,555.02	137.57
For 0 To 10 Volt Dimming, Add	91.12	
For 347-480 Volt, Add	137.05	
For >50 To 100, Deduct	-45.75	
For >100 To 250, Deduct	-84.63	
For >250 To 500, Deduct	-155.50	
For >500, Deduct	-226.37	
26 55 53 11-0252 EA 39,000 Lumens, 300 Watt, Adjustable Arm Mount, Rectangular, LED High Mast Flood Light (PlanLED MAHA MA300) .....	2,012.61	142.87
For 0 To 10 Volt Dimming, Add	91.12	
For 347-480 Volt, Add	110.76	
For >50 To 100, Deduct	-57.46	
For >100 To 250, Deduct	-107.77	
For >250 To 500, Deduct	-201.26	
For >500, Deduct	-294.75	
26 55 53 11-0253 EA 52,000 Lumens, 400 Watt, Adjustable Arm Mount, Rectangular, LED High Mast Flood Light (PlanLED MAHA MA400) .....	2,590.37	148.17
For 0 To 10 Volt Dimming, Add	91.12	
For 347-480 Volt, Add	89.83	
For >50 To 100, Deduct	-72.17	
For >100 To 250, Deduct	-136.93	
For >250 To 500, Deduct	-259.04	
For >500, Deduct	-381.15	
<b>26 55 68 Athletic Field Lighting</b> <small>(26 55)</small>		
<b>26 55 68 00-0001 Sports Lighting System</b> <small>(26 55 68)</small>		
Note: Musco.		
<b>26 55 68 00-0002 Round Steel Tapered Poles</b> <small>(26 55 68 00-0001)</small>		
Note: With Internal wiring harness.		
26 55 68 00-0003 EA 20' Steel Tapered Pole With Precast Concrete Foundation Sleeve .....	3,784.84	515.41
26 55 68 00-0004 EA 25' Steel Tapered Pole With Precast Concrete Foundation Sleeve .....	4,552.53	622.79
26 55 68 00-0005 EA 30' Steel Tapered Pole With Precast Concrete Foundation Sleeve .....	5,148.63	676.48
26 55 68 00-0006 EA 35' Steel Tapered Pole With Precast Concrete Foundation Sleeve .....	5,655.39	703.32
26 55 68 00-0007 EA 40' Steel Tapered Pole With Precast Concrete Foundation Sleeve .....	7,200.23	730.16
26 55 68 00-0008 EA 45' Steel Tapered Pole With Precast Concrete Foundation Sleeve .....	8,226.42	891.23
26 55 68 00-0009 EA 50' Steel Tapered Pole With Precast Concrete Foundation Sleeve .....	8,849.31	944.92
26 55 68 00-0010 EA 55' Steel Tapered Pole With Precast Concrete Foundation Sleeve .....	10,052.13	1,073.77
26 55 68 00-0011 EA 60' Steel Tapered Pole With Precast Concrete Foundation Sleeve .....	11,420.34	1,208.00
26 55 68 00-0012 EA 65' Steel Tapered Pole With Precast Concrete Foundation Sleeve .....	12,609.92	1,321.63
26 55 68 00-0013 EA 70' Steel Tapered Pole With Precast Concrete Foundation Sleeve .....	13,728.53	1,477.12
26 55 68 00-0014 EA 75' Steel Tapered Pole With Precast Concrete Foundation Sleeve .....	14,933.34	1,658.52
26 55 68 00-0015 EA 80' Steel Tapered Pole With Precast Concrete Foundation Sleeve .....	16,655.33	1,995.41
<b>26 55 68 00-0016 Steel Pole Brackets</b> <small>(26 55 68 00-0001)</small>		
26 55 68 00-0017 EA Two Light Bracket .....	652.17	53.69
26 55 68 00-0018 EA Three Light Bracket .....	817.76	75.16
26 55 68 00-0019 EA Four Light Bracket .....	1,188.69	91.27
26 55 68 00-0020 EA Five Light Bracket .....	1,350.33	107.38
26 55 68 00-0021 EA Six Light Bracket .....	1,641.44	123.48
26 55 68 00-0022 EA Seven Light Bracket .....	1,879.71	139.59
26 55 68 00-0023 EA Eight Light Bracket .....	2,151.13	161.07
26 55 68 00-0024 EA Nine Light Bracket .....	2,432.57	177.17
<b>26 55 68 00-0025 Light Fixtures</b> <small>(26 55 68 00-0001)</small>		
26 55 68 00-0026 EA 120 or 270 Volt, Sportlite Fixtures Complete with 1,000 Watt Metal Halide Lamp, Hook Cord And Plug .....	1,259.96	
For 1,500 Watt Metal Halide Lamp, Add	15.05	





<b>Electrical</b>	<b>26</b>	<b>26</b>
Lighting	26 50	
Special Purpose Lighting	26 55	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 55 68 00-0027	<b>Electrical Component Enclosure</b> <small>(26 55 68 00-0001)</small>		
	<small>Note: Pole mounted NEMA 3R enclosure with thermal magnetic breaker and multiple ballasts to match total light fixtures. For light structures with more than 6 lights, use multiple enclosures.</small>		
26 55 68 00-0028	EA Electrical Component Enclosure For 2 Lights, Pole Mounted	968.43	58.71
26 55 68 00-0029	EA Electrical Component Enclosure For 3 Lights, Pole Mounted	1,451.49	90.33
26 55 68 00-0030	EA Electrical Component Enclosure For 4 Lights, Pole Mounted	1,666.97	112.90
26 55 68 00-0031	EA Electrical Component Enclosure For 5 Lights, Pole Mounted	2,159.18	126.46
26 55 68 00-0032	EA Electrical Component Enclosure For 6 Lights, Pole Mounted	2,431.39	135.48

26 55 68 00-0033	<b>Accessories</b> <small>(26 55 68 00-0001)</small>		
26 55 68 00-0034	EA Time Delay Kit (Musco®)	893.22	181.04
26 55 68 00-0035	EA Remote Switch Box Push Button (Musco®)	1,955.52	181.04
26 55 68 00-0036	EA Push Button Strobe Kit (Musco®)	2,380.43	181.04
26 55 68 00-0037	EA Additional Control-Link Unit (Musco®)	11,709.16	543.14
26 55 68 00-0038	EA Auxiliary Brackets For Speakers Or Egress Fixtures, For New Installations (Musco®)	1,242.94	90.33
26 55 68 00-0039	EA Auxiliary Brackets For Speakers Or Egress Fixtures, For Retrofit Applications (Musco®)	1,423.58	180.65

**26 56 Exterior Lighting** (26 50)

**26 56 13 Lighting Poles and Standards** (26 56)

26 56 13 00-0001	<b>Poles And Standards</b> <small>(26 56 13)</small>		
	<small>See CSI section 26 05 46 00-0000 for additional poles, 26 05 46 00-0001 for additional pole.</small>		
26 56 13 00-0002	<b>Roadway Light Poles</b> <small>(26 56 13 00-0001)</small>		
	<small>Note: Excludes lighting fixtures.</small>		
26 56 13 00-0003	<b>Steel Roadway Light Poles</b> <small>(26 56 13 00-0002)</small>		
	<small>Note: Includes prime painted finish, anchor bolts, steel base with nut covers, reinforced handhole with cover and grounding provisions, and fixture arm(s).</small>		
26 56 13 00-0004	<b>Round Tapered, Steel Roadway Light Poles</b> <small>(26 56 13 00-0003)</small>		
26 56 13 00-0005	<b>Round Tapered, Steel Roadway Light Poles With Upsweep Style Arms</b> <small>(26 56 13 00-0004)</small>		
26 56 13 00-0006	<b>Round Tapered, Steel Roadway Light Poles With Single Upsweep Style Arm</b> <small>(26 56 13 00-0005)</small>		
26 56 13 00-0007	EA 20' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	3,247.95	322.13
	<i>For Galvanized Finish, Add</i>	78.11	
	<i>For &gt;10 To 20, Deduct</i>	-81.20	
	<i>For &gt;20 To 40, Deduct</i>	-162.40	
	<i>For &gt;40, Deduct</i>	-259.70	
26 56 13 00-0008	EA 20' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base	3,254.38	322.13
	<i>For Galvanized Finish, Add</i>	78.30	
	<i>For &gt;10 To 20, Deduct</i>	-81.36	
	<i>For &gt;20 To 40, Deduct</i>	-162.72	
	<i>For &gt;40, Deduct</i>	-260.19	
26 56 13 00-0009	EA 25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	3,507.26	429.51
	<i>For Galvanized Finish, Add</i>	79.45	
	<i>For &gt;10 To 20, Deduct</i>	-87.68	
	<i>For &gt;20 To 40, Deduct</i>	-175.36	
	<i>For &gt;40, Deduct</i>	-284.52	
26 56 13 00-0010	EA 25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base	3,584.64	429.51
	<i>For Galvanized Finish, Add</i>	81.77	
	<i>For &gt;10 To 20, Deduct</i>	-89.62	
	<i>For &gt;20 To 40, Deduct</i>	-179.23	
	<i>For &gt;40, Deduct</i>	-290.32	
26 56 13 00-0011	EA 25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base	3,662.02	429.51
	<i>For Galvanized Finish, Add</i>	84.09	
	<i>For &gt;10 To 20, Deduct</i>	-91.55	
	<i>For &gt;20 To 40, Deduct</i>	-183.10	
	<i>For &gt;40, Deduct</i>	-296.13	
26 56 13 00-0012	EA 30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	3,785.69	483.20
	<i>For Galvanized Finish, Add</i>	84.58	
	<i>For &gt;10 To 20, Deduct</i>	-94.64	
	<i>For &gt;20 To 40, Deduct</i>	-189.28	
	<i>For &gt;40, Deduct</i>	-308.09	
26 56 13 00-0013	EA 30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base	3,822.39	483.20
	<i>For Galvanized Finish, Add</i>	85.68	
	<i>For &gt;10 To 20, Deduct</i>	-95.56	
	<i>For &gt;20 To 40, Deduct</i>	-191.12	
	<i>For &gt;40, Deduct</i>	-310.84	

**26 Electrical**  
**26 50 Lighting**  
**26 56 Exterior Lighting**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0014	EA		30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base	3,829.37	483.20
			<i>For Galvanized Finish, Add</i>	85.89	
			<i>For &gt;10 To 20, Deduct</i>	-95.73	
			<i>For &gt;20 To 40, Deduct</i>	-191.47	
			<i>For &gt;40, Deduct</i>	-311.36	
26 56 13 00-0015	EA		35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	4,013.33	510.04
			<i>For Galvanized Finish, Add</i>	89.80	
			<i>For &gt;10 To 20, Deduct</i>	-100.33	
			<i>For &gt;20 To 40, Deduct</i>	-200.67	
			<i>For &gt;40, Deduct</i>	-326.50	
26 56 13 00-0016	EA		35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base	4,041.05	510.04
			<i>For Galvanized Finish, Add</i>	90.63	
			<i>For &gt;10 To 20, Deduct</i>	-101.03	
			<i>For &gt;20 To 40, Deduct</i>	-202.05	
			<i>For &gt;40, Deduct</i>	-328.58	
26 56 13 00-0017	EA		35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base	4,071.31	510.04
			<i>For Galvanized Finish, Add</i>	91.54	
			<i>For &gt;10 To 20, Deduct</i>	-101.78	
			<i>For &gt;20 To 40, Deduct</i>	-203.57	
			<i>For &gt;40, Deduct</i>	-330.85	
26 56 13 00-0018	EA		40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	4,667.10	536.89
			<i>For Galvanized Finish, Add</i>	107.80	
			<i>For &gt;10 To 20, Deduct</i>	-116.68	
			<i>For &gt;20 To 40, Deduct</i>	-233.36	
			<i>For &gt;40, Deduct</i>	-376.88	
26 56 13 00-0019	EA		40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base	4,676.97	536.89
			<i>For Galvanized Finish, Add</i>	108.10	
			<i>For &gt;10 To 20, Deduct</i>	-116.92	
			<i>For &gt;20 To 40, Deduct</i>	-233.85	
			<i>For &gt;40, Deduct</i>	-377.62	
26 56 13 00-0020	EA		40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base	4,686.72	536.89
			<i>For Galvanized Finish, Add</i>	108.39	
			<i>For &gt;10 To 20, Deduct</i>	-117.17	
			<i>For &gt;20 To 40, Deduct</i>	-234.34	
			<i>For &gt;40, Deduct</i>	-378.35	

**26 56 13 00-0021 Round Tapered, Steel Roadway Light Poles With Two Upsweep Style Arms**  
(26 56 13 00-0005)

26 56 13 00-0022	EA		20' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base	4,057.62	375.82
			<i>For Galvanized Finish, Add</i>	99.18	
			<i>For &gt;10 To 20, Deduct</i>	-101.44	
			<i>For &gt;20 To 40, Deduct</i>	-202.88	
			<i>For &gt;40, Deduct</i>	-323.11	
26 56 13 00-0023	EA		20' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base	4,125.81	389.24
			<i>For Galvanized Finish, Add</i>	100.42	
			<i>For &gt;10 To 20, Deduct</i>	-103.15	
			<i>For &gt;20 To 40, Deduct</i>	-206.29	
			<i>For &gt;40, Deduct</i>	-328.90	
26 56 13 00-0024	EA		20' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base	4,183.80	402.66
			<i>For Galvanized Finish, Add</i>	101.35	
			<i>For &gt;10 To 20, Deduct</i>	-104.60	
			<i>For &gt;20 To 40, Deduct</i>	-209.19	
			<i>For &gt;40, Deduct</i>	-333.92	
26 56 13 00-0025	EA		25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base	4,004.31	483.20
			<i>For Galvanized Finish, Add</i>	91.14	
			<i>For &gt;10 To 20, Deduct</i>	-100.11	
			<i>For &gt;20 To 40, Deduct</i>	-200.22	
			<i>For &gt;40, Deduct</i>	-324.48	
26 56 13 00-0026	EA		25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base	4,047.57	496.62
			<i>For Galvanized Finish, Add</i>	91.63	
			<i>For &gt;10 To 20, Deduct</i>	-101.19	
			<i>For &gt;20 To 40, Deduct</i>	-202.38	
			<i>For &gt;40, Deduct</i>	-328.40	
26 56 13 00-0027	EA		25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base	4,081.07	510.04
			<i>For Galvanized Finish, Add</i>	91.83	
			<i>For &gt;10 To 20, Deduct</i>	-102.03	
			<i>For &gt;20 To 40, Deduct</i>	-204.05	
			<i>For &gt;40, Deduct</i>	-331.58	



<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Lighting</b>	<b>26 50</b>	
<b>Exterior Lighting</b>	<b>26 56</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0028 EA 30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base.....	4,314.34	536.89
For Galvanized Finish, Add	97.22	
For >10 To 20, Deduct	-107.86	
For >20 To 40, Deduct	-215.72	
For >40, Deduct	-350.42	
26 56 13 00-0029 EA 30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base.....	4,351.17	550.31
For Galvanized Finish, Add	97.52	
For >10 To 20, Deduct	-108.78	
For >20 To 40, Deduct	-217.56	
For >40, Deduct	-353.85	
26 56 13 00-0030 EA 30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base.....	4,384.33	563.73
For Galvanized Finish, Add	97.71	
For >10 To 20, Deduct	-109.61	
For >20 To 40, Deduct	-219.22	
For >40, Deduct	-357.01	
26 56 13 00-0031 EA 35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base.....	4,580.33	563.73
For Galvanized Finish, Add	103.59	
For >10 To 20, Deduct	-114.51	
For >20 To 40, Deduct	-229.02	
For >40, Deduct	-371.71	
26 56 13 00-0032 EA 35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base.....	4,650.07	577.15
For Galvanized Finish, Add	104.87	
For >10 To 20, Deduct	-116.25	
For >20 To 40, Deduct	-232.50	
For >40, Deduct	-377.61	
26 56 13 00-0033 EA 35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base.....	4,717.61	590.57
For Galvanized Finish, Add	106.09	
For >10 To 20, Deduct	-117.94	
For >20 To 40, Deduct	-235.88	
For >40, Deduct	-383.35	
26 56 13 00-0034 EA 40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base.....	5,195.97	590.57
For Galvanized Finish, Add	120.44	
For >10 To 20, Deduct	-129.90	
For >20 To 40, Deduct	-259.80	
For >40, Deduct	-419.23	
26 56 13 00-0035 EA 40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base.....	5,229.25	603.99
For Galvanized Finish, Add	120.64	
For >10 To 20, Deduct	-130.73	
For >20 To 40, Deduct	-261.46	
For >40, Deduct	-422.39	
26 56 13 00-0036 EA 40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base.....	5,262.75	617.42
For Galvanized Finish, Add	120.84	
For >10 To 20, Deduct	-131.57	
For >20 To 40, Deduct	-263.14	
For >40, Deduct	-425.58	

**26 56 13 00-0037 Round Tapered, Steel Roadway Light Poles With Three Upsweep Style Arms**  
(26 56 13 00-0005)

26 56 13 00-0038 EA 25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base.....	4,719.43	536.89
For Galvanized Finish, Add	109.37	
For >10 To 20, Deduct	-117.99	
For >20 To 40, Deduct	-235.97	
For >40, Deduct	-380.80	
26 56 13 00-0039 EA 25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base.....	4,779.66	563.73
For Galvanized Finish, Add	109.57	
For >10 To 20, Deduct	-119.49	
For >20 To 40, Deduct	-238.98	
For >40, Deduct	-386.66	
26 56 13 00-0040 EA 25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 8' Upsweep Style Arms, Anchor Base.....	4,849.64	590.57
For Galvanized Finish, Add	110.05	
For >10 To 20, Deduct	-121.24	
For >20 To 40, Deduct	-242.48	
For >40, Deduct	-393.25	
26 56 13 00-0041 EA 30' High, 7.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base.....	4,990.22	590.57
For Galvanized Finish, Add	114.27	
For >10 To 20, Deduct	-124.76	
For >20 To 40, Deduct	-249.51	
For >40, Deduct	-403.80	

<b>26</b>	<b>Electrical</b>
<b>26 50</b>	<b>Lighting</b>
<b>26 56</b>	<b>Exterior Lighting</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56	13 00-0042	EA	30' High, 7.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base	5,053.55	617.42
			<i>For Galvanized Finish, Add</i>	114.56	
			<i>For &gt;10 To 20, Deduct</i>	-126.34	
			<i>For &gt;20 To 40, Deduct</i>	-252.68	
			<i>For &gt;40, Deduct</i>	-409.89	
26 56	13 00-0043	EA	30' High, 7.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 8' Upsweep Style Arms, Anchor Base	5,113.78	644.27
			<i>For Galvanized Finish, Add</i>	114.76	
			<i>For &gt;10 To 20, Deduct</i>	-127.84	
			<i>For &gt;20 To 40, Deduct</i>	-255.69	
			<i>For &gt;40, Deduct</i>	-415.75	
26 56	13 00-0044	EA	35' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base	5,311.52	617.42
			<i>For Galvanized Finish, Add</i>	122.30	
			<i>For &gt;10 To 20, Deduct</i>	-132.79	
			<i>For &gt;20 To 40, Deduct</i>	-265.58	
			<i>For &gt;40, Deduct</i>	-429.24	
26 56	13 00-0045	EA	35' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base	5,371.75	644.27
			<i>For Galvanized Finish, Add</i>	122.50	
			<i>For &gt;10 To 20, Deduct</i>	-134.29	
			<i>For &gt;20 To 40, Deduct</i>	-268.59	
			<i>For &gt;40, Deduct</i>	-435.09	
26 56	13 00-0046	EA	35' High, 8.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 8' Upsweep Style Arms, Anchor Base	5,431.98	671.11
			<i>For Galvanized Finish, Add</i>	122.69	
			<i>For &gt;10 To 20, Deduct</i>	-135.80	
			<i>For &gt;20 To 40, Deduct</i>	-271.60	
			<i>For &gt;40, Deduct</i>	-440.95	
26 56	13 00-0047	EA	40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base	5,724.85	644.27
			<i>For Galvanized Finish, Add</i>	133.09	
			<i>For &gt;10 To 20, Deduct</i>	-143.12	
			<i>For &gt;20 To 40, Deduct</i>	-286.24	
			<i>For &gt;40, Deduct</i>	-461.58	
26 56	13 00-0048	EA	40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base	5,784.73	671.11
			<i>For Galvanized Finish, Add</i>	133.28	
			<i>For &gt;10 To 20, Deduct</i>	-144.62	
			<i>For &gt;20 To 40, Deduct</i>	-289.24	
			<i>For &gt;40, Deduct</i>	-467.41	
26 56	13 00-0049	EA	40' High, 9.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 8' Upsweep Style Arms, Anchor Base	5,851.52	697.95
			<i>For Galvanized Finish, Add</i>	133.67	
			<i>For &gt;10 To 20, Deduct</i>	-146.29	
			<i>For &gt;20 To 40, Deduct</i>	-292.58	
			<i>For &gt;40, Deduct</i>	-473.76	
26 56	13 00-0050		<b>Round Tapered, Steel Roadway Light Poles With Four Upsweep Style Arms</b> <small>(26 56 13 00-0005)</small>		
26 56	13 00-0051	EA	25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base	5,251.52	590.57
			<i>For Galvanized Finish, Add</i>	122.11	
			<i>For &gt;10 To 20, Deduct</i>	-131.29	
			<i>For &gt;20 To 40, Deduct</i>	-262.58	
			<i>For &gt;40, Deduct</i>	-423.39	
26 56	13 00-0052	EA	25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base	5,341.80	630.85
			<i>For Galvanized Finish, Add</i>	122.40	
			<i>For &gt;10 To 20, Deduct</i>	-133.55	
			<i>For &gt;20 To 40, Deduct</i>	-267.09	
			<i>For &gt;40, Deduct</i>	-432.18	
26 56	13 00-0053	EA	25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 8' Upsweep Style Arms, Anchor Base	5,428.76	671.11
			<i>For Galvanized Finish, Add</i>	122.60	
			<i>For &gt;10 To 20, Deduct</i>	-135.72	
			<i>For &gt;20 To 40, Deduct</i>	-271.44	
			<i>For &gt;40, Deduct</i>	-440.71	
26 56	13 00-0054	EA	30' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base	5,562.32	644.27
			<i>For Galvanized Finish, Add</i>	128.21	
			<i>For &gt;10 To 20, Deduct</i>	-139.06	
			<i>For &gt;20 To 40, Deduct</i>	-278.12	
			<i>For &gt;40, Deduct</i>	-449.39	
26 56	13 00-0055	EA	30' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base	5,649.73	684.53
			<i>For Galvanized Finish, Add</i>	128.42	
			<i>For &gt;10 To 20, Deduct</i>	-141.24	
			<i>For &gt;20 To 40, Deduct</i>	-282.49	
			<i>For &gt;40, Deduct</i>	-457.96	



<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Lighting</b>	<b>26 50</b>	
<b>Exterior Lighting</b>	<b>26 56</b>	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0056	EA		30' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 8' Upsweep Style Arms, Anchor Base.....	5,699.44	724.80
			<i>For Galvanized Finish, Add</i>	127.50	
			<i>For &gt;10 To 20, Deduct</i>	-142.49	
			<i>For &gt;20 To 40, Deduct</i>	-284.97	
			<i>For &gt;40, Deduct</i>	-463.70	
26 56 13 00-0057	EA		35' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base.....	5,987.28	671.11
			<i>For Galvanized Finish, Add</i>	139.35	
			<i>For &gt;10 To 20, Deduct</i>	-149.68	
			<i>For &gt;20 To 40, Deduct</i>	-299.36	
			<i>For &gt;40, Deduct</i>	-482.60	
26 56 13 00-0058	EA		35' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base.....	6,118.81	711.38
			<i>For Galvanized Finish, Add</i>	140.88	
			<i>For &gt;10 To 20, Deduct</i>	-152.97	
			<i>For &gt;20 To 40, Deduct</i>	-305.94	
			<i>For &gt;40, Deduct</i>	-494.48	
26 56 13 00-0059	EA		35' High, 9.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 8' Upsweep Style Arms, Anchor Base.....	6,164.87	751.64
			<i>For Galvanized Finish, Add</i>	139.85	
			<i>For &gt;10 To 20, Deduct</i>	-154.12	
			<i>For &gt;20 To 40, Deduct</i>	-308.24	
			<i>For &gt;40, Deduct</i>	-499.95	
26 56 13 00-0060	EA		40' High, 10.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base.....	6,253.39	697.95
			<i>For Galvanized Finish, Add</i>	145.72	
			<i>For &gt;10 To 20, Deduct</i>	-156.33	
			<i>For &gt;20 To 40, Deduct</i>	-312.67	
			<i>For &gt;40, Deduct</i>	-503.90	
26 56 13 00-0061	EA		40' High, 10.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base.....	6,340.35	738.22
			<i>For Galvanized Finish, Add</i>	145.92	
			<i>For &gt;10 To 20, Deduct</i>	-158.51	
			<i>For &gt;20 To 40, Deduct</i>	-317.02	
			<i>For &gt;40, Deduct</i>	-512.44	
26 56 13 00-0062	EA		40' High, 10.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 8' Upsweep Style Arms, Anchor Base.....	6,430.63	778.48
			<i>For Galvanized Finish, Add</i>	146.21	
			<i>For &gt;10 To 20, Deduct</i>	-160.77	
			<i>For &gt;20 To 40, Deduct</i>	-321.53	
			<i>For &gt;40, Deduct</i>	-521.22	
26 56 13 00-0063			Round Tapered, Steel Roadway Light Poles With Davit Style Arm <small>(26 56 13 00-0004)</small>		
26 56 13 00-0064			Round Tapered, Steel Roadway Light Poles With Single Davit Style Arm <small>(26 56 13 00-0063)</small>		
26 56 13 00-0065	EA		25' High, 6.4" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6.5' Davit Style Arm, Anchor Base.....	3,746.72	429.51
			<i>For Galvanized Finish, Add</i>	86.63	
			<i>For &gt;10 To 20, Deduct</i>	-93.67	
			<i>For &gt;20 To 40, Deduct</i>	-187.34	
			<i>For &gt;40, Deduct</i>	-302.48	
26 56 13 00-0066	EA		30' High, 7.1" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6.5' Davit Style Arm, Anchor Base.....	4,241.11	483.20
			<i>For Galvanized Finish, Add</i>	98.24	
			<i>For &gt;10 To 20, Deduct</i>	-106.03	
			<i>For &gt;20 To 40, Deduct</i>	-212.06	
			<i>For &gt;40, Deduct</i>	-342.24	
26 56 13 00-0067	EA		35' High, 7.8" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6.5' Davit Style Arm, Anchor Base.....	4,348.69	510.04
			<i>For Galvanized Finish, Add</i>	99.86	
			<i>For &gt;10 To 20, Deduct</i>	-108.72	
			<i>For &gt;20 To 40, Deduct</i>	-217.43	
			<i>For &gt;40, Deduct</i>	-351.65	
26 56 13 00-0068	EA		40' High, 9.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6.5' Davit Style Arm, Anchor Base.....	5,228.94	536.89
			<i>For Galvanized Finish, Add</i>	124.66	
			<i>For &gt;10 To 20, Deduct</i>	-130.72	
			<i>For &gt;20 To 40, Deduct</i>	-261.45	
			<i>For &gt;40, Deduct</i>	-419.01	
26 56 13 00-0069			Round Tapered, Steel Roadway Light Poles With Truss Style Arms <small>(26 56 13 00-0004)</small>		
26 56 13 00-0070			Round Tapered, Steel Roadway Light Poles With Single Truss Style Arm <small>(26 56 13 00-0069)</small>		
26 56 13 00-0071	EA		25' High, 6.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base.....	4,902.67	429.51
			<i>For Galvanized Finish, Add</i>	121.31	
			<i>For &gt;10 To 20, Deduct</i>	-122.57	
			<i>For &gt;20 To 40, Deduct</i>	-245.13	
			<i>For &gt;40, Deduct</i>	-389.18	

**26 Electrical**  
**26 50 Lighting**  
**26 56 Exterior Lighting**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0072	EA		25' High, 6.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base	4,952.22	429.51
			<i>For Galvanized Finish, Add</i>	122.80	
			<i>For &gt;10 To 20, Deduct</i>	-123.81	
			<i>For &gt;20 To 40, Deduct</i>	-247.61	
			<i>For &gt;40, Deduct</i>	-392.89	
26 56 13 00-0073	EA		25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base	4,974.84	429.51
			<i>For Galvanized Finish, Add</i>	123.47	
			<i>For &gt;10 To 20, Deduct</i>	-124.37	
			<i>For &gt;20 To 40, Deduct</i>	-248.74	
			<i>For &gt;40, Deduct</i>	-394.59	
26 56 13 00-0074	EA		30' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base	5,059.59	483.20
			<i>For Galvanized Finish, Add</i>	122.80	
			<i>For &gt;10 To 20, Deduct</i>	-126.49	
			<i>For &gt;20 To 40, Deduct</i>	-252.98	
			<i>For &gt;40, Deduct</i>	-403.63	
26 56 13 00-0075	EA		30' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base	5,068.24	483.20
			<i>For Galvanized Finish, Add</i>	123.06	
			<i>For &gt;10 To 20, Deduct</i>	-126.71	
			<i>For &gt;20 To 40, Deduct</i>	-253.41	
			<i>For &gt;40, Deduct</i>	-404.28	
26 56 13 00-0076	EA		30' High, 7.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base	5,157.59	483.20
			<i>For Galvanized Finish, Add</i>	125.74	
			<i>For &gt;10 To 20, Deduct</i>	-128.94	
			<i>For &gt;20 To 40, Deduct</i>	-257.88	
			<i>For &gt;40, Deduct</i>	-410.98	
26 56 13 00-0077	EA		35' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base	5,142.67	510.04
			<i>For Galvanized Finish, Add</i>	123.68	
			<i>For &gt;10 To 20, Deduct</i>	-128.57	
			<i>For &gt;20 To 40, Deduct</i>	-257.13	
			<i>For &gt;40, Deduct</i>	-411.20	
26 56 13 00-0078	EA		35' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base	5,195.00	510.04
			<i>For Galvanized Finish, Add</i>	125.25	
			<i>For &gt;10 To 20, Deduct</i>	-129.88	
			<i>For &gt;20 To 40, Deduct</i>	-259.75	
			<i>For &gt;40, Deduct</i>	-415.13	
26 56 13 00-0079	EA		35' High, 8.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base	5,469.38	510.04
			<i>For Galvanized Finish, Add</i>	133.48	
			<i>For &gt;10 To 20, Deduct</i>	-136.73	
			<i>For &gt;20 To 40, Deduct</i>	-273.47	
			<i>For &gt;40, Deduct</i>	-435.71	
26 56 13 00-0080			<b>Round Tapered, Steel Roadway Light Poles With Two Truss Style Arms</b> <small>(26 56 13 00-0069)</small>		
26 56 13 00-0081	EA		25' High, 6.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base	6,435.77	536.89
			<i>For Galvanized Finish, Add</i>	160.86	
			<i>For &gt;10 To 20, Deduct</i>	-160.89	
			<i>For &gt;20 To 40, Deduct</i>	-321.79	
			<i>For &gt;40, Deduct</i>	-509.53	
26 56 13 00-0082	EA		25' High, 6.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base	6,536.91	563.73
			<i>For Galvanized Finish, Add</i>	162.28	
			<i>For &gt;10 To 20, Deduct</i>	-163.42	
			<i>For &gt;20 To 40, Deduct</i>	-326.85	
			<i>For &gt;40, Deduct</i>	-518.45	
26 56 13 00-0083	EA		25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base	6,776.85	590.57
			<i>For Galvanized Finish, Add</i>	167.87	
			<i>For &gt;10 To 20, Deduct</i>	-169.42	
			<i>For &gt;20 To 40, Deduct</i>	-338.84	
			<i>For &gt;40, Deduct</i>	-537.79	
26 56 13 00-0084	EA		30' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base	6,515.66	590.57
			<i>For Galvanized Finish, Add</i>	160.04	
			<i>For &gt;10 To 20, Deduct</i>	-162.89	
			<i>For &gt;20 To 40, Deduct</i>	-325.78	
			<i>For &gt;40, Deduct</i>	-518.20	
26 56 13 00-0085	EA		30' High, 7.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base	6,814.46	617.42
			<i>For Galvanized Finish, Add</i>	167.39	
			<i>For &gt;10 To 20, Deduct</i>	-170.36	
			<i>For &gt;20 To 40, Deduct</i>	-340.72	
			<i>For &gt;40, Deduct</i>	-541.96	



<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Lighting</b>	<b>26 50</b>	
<b>Exterior Lighting</b>	<b>26 56</b>	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0086	EA		30' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base.....	6,988.77	644.27
			<i>For Galvanized Finish, Add</i>	171.01	
			<i>For &gt;10 To 20, Deduct</i>	-174.72	
			<i>For &gt;20 To 40, Deduct</i>	-349.44	
			<i>For &gt;40, Deduct</i>	-556.37	
26 56 13 00-0087	EA		35' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base.....	6,706.26	617.42
			<i>For Galvanized Finish, Add</i>	164.14	
			<i>For &gt;10 To 20, Deduct</i>	-167.66	
			<i>For &gt;20 To 40, Deduct</i>	-335.31	
			<i>For &gt;40, Deduct</i>	-533.84	
26 56 13 00-0088	EA		35' High, 8.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base.....	7,109.61	644.27
			<i>For Galvanized Finish, Add</i>	174.63	
			<i>For &gt;10 To 20, Deduct</i>	-177.74	
			<i>For &gt;20 To 40, Deduct</i>	-355.48	
			<i>For &gt;40, Deduct</i>	-565.43	
26 56 13 00-0089	EA		35' High, 8.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base.....	7,342.88	671.11
			<i>For Galvanized Finish, Add</i>	180.02	
			<i>For &gt;10 To 20, Deduct</i>	-183.57	
			<i>For &gt;20 To 40, Deduct</i>	-367.14	
			<i>For &gt;40, Deduct</i>	-584.27	
26 56 13 00-0090			<b>Aluminum Roadway Light Poles</b> <small>(26 56 13 00-0090)</small>		
			Note: Includes satin finish, anchor bolts, cast aluminum base with nut covers, reinforced handhole with cover and grounding provisions, and fixture arm(s).		
26 56 13 00-0091			<b>Round Tapered, Aluminum Roadway Light Poles</b> <small>(26 56 13 00-0090)</small>		
26 56 13 00-0092			<b>Round Tapered, Aluminum Roadway Light Poles With Upsweep Style Arms</b> <small>(26 56 13 00-0091)</small>		
26 56 13 00-0093			<b>Round Tapered, Aluminum Roadway Light Poles With Single Upsweep Style Arm</b> <small>(26 56 13 00-0092)</small>		
26 56 13 00-0094	EA		20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base.....	2,654.90	322.13
			<i>For &gt;10 To 20, Deduct</i>	-66.37	
			<i>For &gt;20 To 40, Deduct</i>	-132.75	
			<i>For &gt;40, Deduct</i>	-215.22	
26 56 13 00-0095	EA		20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base.....	2,679.24	322.13
			<i>For &gt;10 To 20, Deduct</i>	-66.98	
			<i>For &gt;20 To 40, Deduct</i>	-133.96	
			<i>For &gt;40, Deduct</i>	-217.05	
26 56 13 00-0096	EA		25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base.....	3,237.05	429.51
			<i>For &gt;10 To 20, Deduct</i>	-80.93	
			<i>For &gt;20 To 40, Deduct</i>	-161.85	
			<i>For &gt;40, Deduct</i>	-264.25	
26 56 13 00-0097	EA		25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base.....	3,283.03	429.51
			<i>For &gt;10 To 20, Deduct</i>	-82.08	
			<i>For &gt;20 To 40, Deduct</i>	-164.15	
			<i>For &gt;40, Deduct</i>	-267.70	
26 56 13 00-0098	EA		25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base.....	3,325.33	429.51
			<i>For &gt;10 To 20, Deduct</i>	-83.13	
			<i>For &gt;20 To 40, Deduct</i>	-166.27	
			<i>For &gt;40, Deduct</i>	-270.88	
26 56 13 00-0099	EA		30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base.....	3,720.69	483.20
			<i>For &gt;10 To 20, Deduct</i>	-93.02	
			<i>For &gt;20 To 40, Deduct</i>	-186.03	
			<i>For &gt;40, Deduct</i>	-303.21	
26 56 13 00-0100	EA		30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base.....	3,759.49	483.20
			<i>For &gt;10 To 20, Deduct</i>	-93.99	
			<i>For &gt;20 To 40, Deduct</i>	-187.97	
			<i>For &gt;40, Deduct</i>	-306.12	
26 56 13 00-0101	EA		30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base.....	3,802.88	483.20
			<i>For &gt;10 To 20, Deduct</i>	-95.07	
			<i>For &gt;20 To 40, Deduct</i>	-190.14	
			<i>For &gt;40, Deduct</i>	-309.38	
26 56 13 00-0102	EA		35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base.....	4,388.27	510.04
			<i>For &gt;10 To 20, Deduct</i>	-109.71	
			<i>For &gt;20 To 40, Deduct</i>	-219.41	
			<i>For &gt;40, Deduct</i>	-354.62	

<b>26</b>	<b>Electrical</b>
<b>26 50</b>	<b>Lighting</b>
<b>26 56</b>	<b>Exterior Lighting</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56	13 00-0103	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base.....	4,426.97	510.04
			<i>For &gt;10 To 20, Deduct</i>	-110.67	
			<i>For &gt;20 To 40, Deduct</i>	-221.35	
			<i>For &gt;40, Deduct</i>	-357.53	
26 56	13 00-0104	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base.....	4,459.39	510.04
			<i>For &gt;10 To 20, Deduct</i>	-111.48	
			<i>For &gt;20 To 40, Deduct</i>	-222.97	
			<i>For &gt;40, Deduct</i>	-359.96	
<b>26 56 13 00-0105 Round Tapered, Aluminum Roadway Light Poles With Two Upsweep Style Arms</b> <small>(26 56 13 00-0092)</small>					
26 56	13 00-0106	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base.....	3,038.59	375.82
			<i>For &gt;10 To 20, Deduct</i>	-75.96	
			<i>For &gt;20 To 40, Deduct</i>	-151.93	
			<i>For &gt;40, Deduct</i>	-246.69	
26 56	13 00-0107	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base.....	3,277.10	375.82
			<i>For &gt;10 To 20, Deduct</i>	-81.93	
			<i>For &gt;20 To 40, Deduct</i>	-163.86	
			<i>For &gt;40, Deduct</i>	-264.57	
26 56	13 00-0108	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base.....	3,377.27	402.66
			<i>For &gt;10 To 20, Deduct</i>	-84.43	
			<i>For &gt;20 To 40, Deduct</i>	-168.86	
			<i>For &gt;40, Deduct</i>	-273.43	
26 56	13 00-0109	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base.....	3,607.67	483.20
			<i>For &gt;10 To 20, Deduct</i>	-90.19	
			<i>For &gt;20 To 40, Deduct</i>	-180.38	
			<i>For &gt;40, Deduct</i>	-294.74	
26 56	13 00-0110	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base.....	3,786.34	496.62
			<i>For &gt;10 To 20, Deduct</i>	-94.66	
			<i>For &gt;20 To 40, Deduct</i>	-189.32	
			<i>For &gt;40, Deduct</i>	-308.81	
26 56	13 00-0111	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base.....	4,047.11	510.04
			<i>For &gt;10 To 20, Deduct</i>	-101.18	
			<i>For &gt;20 To 40, Deduct</i>	-202.36	
			<i>For &gt;40, Deduct</i>	-329.04	
26 56	13 00-0112	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base.....	4,174.91	536.89
			<i>For &gt;10 To 20, Deduct</i>	-104.37	
			<i>For &gt;20 To 40, Deduct</i>	-208.75	
			<i>For &gt;40, Deduct</i>	-339.96	
26 56	13 00-0113	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base.....	4,342.61	550.31
			<i>For &gt;10 To 20, Deduct</i>	-108.57	
			<i>For &gt;20 To 40, Deduct</i>	-217.13	
			<i>For &gt;40, Deduct</i>	-353.21	
26 56	13 00-0114	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base.....	4,548.81	563.73
			<i>For &gt;10 To 20, Deduct</i>	-113.72	
			<i>For &gt;20 To 40, Deduct</i>	-227.44	
			<i>For &gt;40, Deduct</i>	-369.35	
26 56	13 00-0115	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base.....	4,759.79	563.73
			<i>For &gt;10 To 20, Deduct</i>	-118.99	
			<i>For &gt;20 To 40, Deduct</i>	-237.99	
			<i>For &gt;40, Deduct</i>	-385.17	
26 56	13 00-0116	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base.....	5,225.74	577.15
			<i>For &gt;10 To 20, Deduct</i>	-130.64	
			<i>For &gt;20 To 40, Deduct</i>	-261.29	
			<i>For &gt;40, Deduct</i>	-420.79	
26 56	13 00-0117	EA	35' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base.....	5,768.82	590.57
			<i>For &gt;10 To 20, Deduct</i>	-144.22	
			<i>For &gt;20 To 40, Deduct</i>	-288.44	
			<i>For &gt;40, Deduct</i>	-462.19	
<b>26 56 13 00-0118 Round Tapered, Aluminum Roadway Light Poles With Three Upsweep Style Arms</b> <small>(26 56 13 00-0092)</small>					
26 56	13 00-0119	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base.....	3,529.92	429.51
			<i>For &gt;10 To 20, Deduct</i>	-88.25	
			<i>For &gt;20 To 40, Deduct</i>	-176.50	
			<i>For &gt;40, Deduct</i>	-286.22	





<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Lighting</b>	<b>26 50</b>	
<b>Exterior Lighting</b>	<b>26 56</b>	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0120	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base.....	3,776.54	456.36
		<i>For &gt;10 To 20, Deduct</i>	-94.41	
		<i>For &gt;20 To 40, Deduct</i>	-188.83	
		<i>For &gt;40, Deduct</i>	-306.06	
26 56 13 00-0121	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base.....	4,284.74	536.89
		<i>For &gt;10 To 20, Deduct</i>	-107.12	
		<i>For &gt;20 To 40, Deduct</i>	-214.24	
		<i>For &gt;40, Deduct</i>	-348.20	
26 56 13 00-0122	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base.....	4,466.01	563.73
		<i>For &gt;10 To 20, Deduct</i>	-111.65	
		<i>For &gt;20 To 40, Deduct</i>	-223.30	
		<i>For &gt;40, Deduct</i>	-363.14	
26 56 13 00-0123	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base.....	4,677.01	590.57
		<i>For &gt;10 To 20, Deduct</i>	-116.93	
		<i>For &gt;20 To 40, Deduct</i>	-233.85	
		<i>For &gt;40, Deduct</i>	-380.30	
26 56 13 00-0124	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base.....	4,840.53	617.42
		<i>For &gt;10 To 20, Deduct</i>	-121.01	
		<i>For &gt;20 To 40, Deduct</i>	-242.03	
		<i>For &gt;40, Deduct</i>	-393.91	
26 56 13 00-0125	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base.....	5,068.97	617.42
		<i>For &gt;10 To 20, Deduct</i>	-126.72	
		<i>For &gt;20 To 40, Deduct</i>	-253.45	
		<i>For &gt;40, Deduct</i>	-411.04	
26 56 13 00-0126	EA	35' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base.....	5,528.06	644.27
		<i>For &gt;10 To 20, Deduct</i>	-138.20	
		<i>For &gt;20 To 40, Deduct</i>	-276.40	
		<i>For &gt;40, Deduct</i>	-446.82	
26 56 13 00-0127	EA	35' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 8' Upsweep Style Arms, Anchor Base.....	10,977.88	671.11
		<i>For &gt;10 To 20, Deduct</i>	-274.45	
		<i>For &gt;20 To 40, Deduct</i>	-548.89	
		<i>For &gt;40, Deduct</i>	-856.90	
<b>26 56 13 00-0128 Round Tapered, Aluminum Roadway Light Poles With Four Upsweep Style Arms</b>				
<i>(26 56 13 00-0092)</i>				
26 56 13 00-0129	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base.....	3,636.69	483.20
		<i>For &gt;10 To 20, Deduct</i>	-90.92	
		<i>For &gt;20 To 40, Deduct</i>	-181.83	
		<i>For &gt;40, Deduct</i>	-296.91	
26 56 13 00-0130	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base.....	3,782.73	483.20
		<i>For &gt;10 To 20, Deduct</i>	-94.57	
		<i>For &gt;20 To 40, Deduct</i>	-189.14	
		<i>For &gt;40, Deduct</i>	-307.86	
26 56 13 00-0131	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base.....	4,686.09	590.57
		<i>For &gt;10 To 20, Deduct</i>	-117.15	
		<i>For &gt;20 To 40, Deduct</i>	-234.30	
		<i>For &gt;40, Deduct</i>	-380.99	
26 56 13 00-0132	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base.....	5,077.95	630.85
		<i>For &gt;10 To 20, Deduct</i>	-126.95	
		<i>For &gt;20 To 40, Deduct</i>	-253.90	
		<i>For &gt;40, Deduct</i>	-412.39	
26 56 13 00-0133	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base.....	5,303.71	644.27
		<i>For &gt;10 To 20, Deduct</i>	-132.59	
		<i>For &gt;20 To 40, Deduct</i>	-265.19	
		<i>For &gt;40, Deduct</i>	-429.99	
26 56 13 00-0134	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base.....	5,663.25	684.53
		<i>For &gt;10 To 20, Deduct</i>	-141.58	
		<i>For &gt;20 To 40, Deduct</i>	-283.16	
		<i>For &gt;40, Deduct</i>	-458.97	
26 56 13 00-0135	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base.....	5,588.92	671.11
		<i>For &gt;10 To 20, Deduct</i>	-139.72	
		<i>For &gt;20 To 40, Deduct</i>	-279.45	
		<i>For &gt;40, Deduct</i>	-452.72	
26 56 13 00-0136	EA	35' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base.....	6,384.39	711.38
		<i>For &gt;10 To 20, Deduct</i>	-159.61	
		<i>For &gt;20 To 40, Deduct</i>	-319.22	
		<i>For &gt;40, Deduct</i>	-514.40	

**26 Electrical**  
**26 50 Lighting**  
**26 56 Exterior Lighting**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56	13 00-0137	EA	35' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 8' Upsweep Style Arms, Anchor Base	7,085.19	751.64
			<i>For &gt;10 To 20, Deduct</i>	-177.13	
			<i>For &gt;20 To 40, Deduct</i>	-354.26	
			<i>For &gt;40, Deduct</i>	-568.97	
26 56	13 00-0138		<b>Round Tapered, Aluminum Roadway Light Poles With Truss Style Arms</b> <small>(26 56 13 00-0091)</small>		
26 56	13 00-0139		<b>Round Tapered, Aluminum Roadway Light Poles With Single Truss Style Arm</b> <small>(26 56 13 00-0138)</small>		
26 56	13 00-0140	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Truss Style Arm, Anchor Base	3,912.78	429.51
			<i>For &gt;10 To 20, Deduct</i>	-97.82	
			<i>For &gt;20 To 40, Deduct</i>	-195.64	
			<i>For &gt;40, Deduct</i>	-314.93	
26 56	13 00-0141	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base	3,945.30	429.51
			<i>For &gt;10 To 20, Deduct</i>	-98.63	
			<i>For &gt;20 To 40, Deduct</i>	-197.27	
			<i>For &gt;40, Deduct</i>	-317.37	
26 56	13 00-0142	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base	4,028.39	429.51
			<i>For &gt;10 To 20, Deduct</i>	-100.71	
			<i>For &gt;20 To 40, Deduct</i>	-201.42	
			<i>For &gt;40, Deduct</i>	-323.60	
26 56	13 00-0143	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base	4,153.08	429.51
			<i>For &gt;10 To 20, Deduct</i>	-103.83	
			<i>For &gt;20 To 40, Deduct</i>	-207.65	
			<i>For &gt;40, Deduct</i>	-332.96	
26 56	13 00-0144	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Truss Style Arm, Anchor Base	4,405.69	483.20
			<i>For &gt;10 To 20, Deduct</i>	-110.14	
			<i>For &gt;20 To 40, Deduct</i>	-220.28	
			<i>For &gt;40, Deduct</i>	-354.59	
26 56	13 00-0145	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base	4,479.01	483.20
			<i>For &gt;10 To 20, Deduct</i>	-111.98	
			<i>For &gt;20 To 40, Deduct</i>	-223.95	
			<i>For &gt;40, Deduct</i>	-360.09	
26 56	13 00-0146	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base	4,557.22	483.20
			<i>For &gt;10 To 20, Deduct</i>	-113.93	
			<i>For &gt;20 To 40, Deduct</i>	-227.86	
			<i>For &gt;40, Deduct</i>	-365.95	
26 56	13 00-0147	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base	5,028.96	483.20
			<i>For &gt;10 To 20, Deduct</i>	-125.72	
			<i>For &gt;20 To 40, Deduct</i>	-251.45	
			<i>For &gt;40, Deduct</i>	-401.33	
26 56	13 00-0148	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Truss Style Arm, Anchor Base	4,794.87	510.04
			<i>For &gt;10 To 20, Deduct</i>	-119.87	
			<i>For &gt;20 To 40, Deduct</i>	-239.74	
			<i>For &gt;40, Deduct</i>	-385.12	
26 56	13 00-0149	EA	35' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base	5,400.17	510.04
			<i>For &gt;10 To 20, Deduct</i>	-135.00	
			<i>For &gt;20 To 40, Deduct</i>	-270.01	
			<i>For &gt;40, Deduct</i>	-430.52	
26 56	13 00-0150	EA	35' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base	5,459.13	510.04
			<i>For &gt;10 To 20, Deduct</i>	-136.48	
			<i>For &gt;20 To 40, Deduct</i>	-272.96	
			<i>For &gt;40, Deduct</i>	-434.94	
26 56	13 00-0151	EA	35' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base	5,833.40	510.04
			<i>For &gt;10 To 20, Deduct</i>	-145.84	
			<i>For &gt;20 To 40, Deduct</i>	-291.67	
			<i>For &gt;40, Deduct</i>	-463.01	
26 56	13 00-0152	EA	35' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base	6,174.76	510.04
			<i>For &gt;10 To 20, Deduct</i>	-154.37	
			<i>For &gt;20 To 40, Deduct</i>	-308.74	
			<i>For &gt;40, Deduct</i>	-488.61	
26 56	13 00-0153		<b>Round Tapered, Aluminum Roadway Light Poles With Two Truss Style Arms</b> <small>(26 56 13 00-0138)</small>		
26 56	13 00-0154	EA	25' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base	5,088.95	536.89
			<i>For &gt;10 To 20, Deduct</i>	-127.22	
			<i>For &gt;20 To 40, Deduct</i>	-254.45	
			<i>For &gt;40, Deduct</i>	-408.52	



<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Lighting</b>	<b>26 50</b>	
<b>Exterior Lighting</b>	<b>26 56</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0155 EA 25' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base.....	5,225.74	563.73
For >10 To 20, Deduct	-130.64	
For >20 To 40, Deduct	-261.29	
For >40, Deduct	-420.12	
26 56 13 00-0156 EA 25' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base.....	5,332.89	590.57
For >10 To 20, Deduct	-133.32	
For >20 To 40, Deduct	-266.64	
For >40, Deduct	-429.50	
26 56 13 00-0157 EA 30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base.....	5,475.34	590.57
For >10 To 20, Deduct	-136.88	
For >20 To 40, Deduct	-273.77	
For >40, Deduct	-440.18	
26 56 13 00-0158 EA 30' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base.....	5,962.16	617.42
For >10 To 20, Deduct	-149.05	
For >20 To 40, Deduct	-298.11	
For >40, Deduct	-478.03	
26 56 13 00-0159 EA 30' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base.....	6,870.44	644.27
For >10 To 20, Deduct	-171.76	
For >20 To 40, Deduct	-343.52	
For >40, Deduct	-547.50	
26 56 13 00-0160 EA 35' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base.....	6,647.57	617.42
For >10 To 20, Deduct	-166.19	
For >20 To 40, Deduct	-332.38	
For >40, Deduct	-529.44	
26 56 13 00-0161 EA 35' High, 10" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base.....	6,770.89	644.27
For >10 To 20, Deduct	-169.27	
For >20 To 40, Deduct	-338.54	
For >40, Deduct	-540.03	
26 56 13 00-0162 EA 35' High, 10" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base.....	8,285.96	671.11
For >10 To 20, Deduct	-207.15	
For >20 To 40, Deduct	-414.30	
For >40, Deduct	-655.00	
<b>26 56 13 00-0163 Round Tapered, Aluminum Roadway Light Poles With Davit Style Arm</b> <small>(26 56 13 00-0091)</small>		
<b>26 56 13 00-0164 Round Tapered, Aluminum Roadway Light Poles With Single Davit Style Arm</b> <small>(26 56 13 00-0163)</small>		
26 56 13 00-0165 EA 20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Davit Style Arm, Anchor Base.....	3,223.30	322.13
For >10 To 20, Deduct	-80.58	
For >20 To 40, Deduct	-161.17	
For >40, Deduct	-257.85	
26 56 13 00-0166 EA 20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Davit Style Arm, Anchor Base.....	3,315.17	322.13
For >10 To 20, Deduct	-82.88	
For >20 To 40, Deduct	-165.76	
For >40, Deduct	-264.74	
26 56 13 00-0167 EA 20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Davit Style Arm, Anchor Base.....	3,407.25	322.13
For >10 To 20, Deduct	-85.18	
For >20 To 40, Deduct	-170.36	
For >40, Deduct	-271.65	
26 56 13 00-0168 EA 25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Davit Style Arm, Anchor Base.....	3,813.72	429.51
For >10 To 20, Deduct	-95.34	
For >20 To 40, Deduct	-190.69	
For >40, Deduct	-307.50	
26 56 13 00-0169 EA 25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Davit Style Arm, Anchor Base.....	3,883.75	429.51
For >10 To 20, Deduct	-97.09	
For >20 To 40, Deduct	-194.19	
For >40, Deduct	-312.76	
26 56 13 00-0170 EA 25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Davit Style Arm, Anchor Base.....	3,960.26	429.51
For >10 To 20, Deduct	-99.01	
For >20 To 40, Deduct	-198.01	
For >40, Deduct	-318.50	
26 56 13 00-0171 EA 30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Davit Style Arm, Anchor Base.....	4,304.94	483.20
For >10 To 20, Deduct	-107.62	
For >20 To 40, Deduct	-215.25	
For >40, Deduct	-347.03	
26 56 13 00-0172 EA 30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Davit Style Arm, Anchor Base.....	4,400.01	483.20
For >10 To 20, Deduct	-110.00	
For >20 To 40, Deduct	-220.00	
For >40, Deduct	-354.16	

**26 Electrical**  
**26 50 Lighting**  
**26 56 Exterior Lighting**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56	13 00-0173	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Davit Style Arm, Anchor Base .....	4,414.27	483.20
			<i>For &gt;10 To 20, Deduct</i>	-110.36	
			<i>For &gt;20 To 40, Deduct</i>	-220.71	
			<i>For &gt;40, Deduct</i>	-355.23	
26 56	13 00-0174	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Davit Style Arm, Anchor Base .....	4,696.91	510.04
			<i>For &gt;10 To 20, Deduct</i>	-117.42	
			<i>For &gt;20 To 40, Deduct</i>	-234.85	
			<i>For &gt;40, Deduct</i>	-377.77	
26 56	13 00-0175	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Davit Style Arm, Anchor Base .....	4,738.60	510.04
			<i>For &gt;10 To 20, Deduct</i>	-118.47	
			<i>For &gt;20 To 40, Deduct</i>	-236.93	
			<i>For &gt;40, Deduct</i>	-380.90	
26 56	13 00-0176	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Davit Style Arm, Anchor Base .....	4,836.36	510.04
			<i>For &gt;10 To 20, Deduct</i>	-120.91	
			<i>For &gt;20 To 40, Deduct</i>	-241.82	
			<i>For &gt;40, Deduct</i>	-388.23	
26 56	13 00-0177		<b>Area Light Poles</b> <small>(26 56 13 00-0001)</small> Note: Excludes lighting fixtures.		
26 56	13 00-0178		<b>Steel Area Light Poles</b> <small>(26 56 13 00-0177)</small> Note: Includes powdercoat finish, anchor bolts, base cover, reinforced handhole with cover and grounding provisions, factory drilled fixture mounting holes and tenon, open or capped top.		
26 56	13 00-0179		<b>Round Straight, Steel Area Light Poles</b> <small>(26 56 13 00-0178)</small>		
26 56	13 00-0180		<b>Round Straight, Steel Area Light Poles, Anchor Base</b> <small>(26 56 13 00-0179)</small>		
26 56	13 00-0181	EA	10' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base .....	1,286.17	187.91
			<i>For Galvanized Finish, Add</i>	27.31	
			<i>For &gt;10 To 20, Deduct</i>	-45.81	
			<i>For &gt;20 To 40, Deduct</i>	-82.52	
			<i>For &gt;40, Deduct</i>	-174.13	
26 56	13 00-0182	EA	12' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base .....	1,390.30	214.75
			<i>For Galvanized Finish, Add</i>	28.82	
			<i>For &gt;10 To 20, Deduct</i>	-49.17	
			<i>For &gt;20 To 40, Deduct</i>	-88.73	
			<i>For &gt;40, Deduct</i>	-187.07	
26 56	13 00-0183	EA	14' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base .....	1,552.42	241.60
			<i>For Galvanized Finish, Add</i>	32.08	
			<i>For &gt;10 To 20, Deduct</i>	-54.85	
			<i>For &gt;20 To 40, Deduct</i>	-99.01	
			<i>For &gt;40, Deduct</i>	-208.70	
26 56	13 00-0184	EA	16' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base .....	1,719.59	268.44
			<i>For Galvanized Finish, Add</i>	35.48	
			<i>For &gt;10 To 20, Deduct</i>	-60.73	
			<i>For &gt;20 To 40, Deduct</i>	-109.63	
			<i>For &gt;40, Deduct</i>	-231.09	
26 56	13 00-0185	EA	18' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base .....	1,823.71	295.29
			<i>For Galvanized Finish, Add</i>	36.99	
			<i>For &gt;10 To 20, Deduct</i>	-64.09	
			<i>For &gt;20 To 40, Deduct</i>	-115.85	
			<i>For &gt;40, Deduct</i>	-244.03	
26 56	13 00-0186	EA	20' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base .....	1,915.23	322.13
			<i>For Galvanized Finish, Add</i>	38.13	
			<i>For &gt;10 To 20, Deduct</i>	-66.95	
			<i>For &gt;20 To 40, Deduct</i>	-121.18	
			<i>For &gt;40, Deduct</i>	-255.07	
26 56	13 00-0187	EA	10' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base .....	1,351.74	187.91
			<i>For Galvanized Finish, Add</i>	29.28	
			<i>For &gt;10 To 20, Deduct</i>	-48.43	
			<i>For &gt;20 To 40, Deduct</i>	-87.11	
			<i>For &gt;40, Deduct</i>	-183.97	
26 56	13 00-0188	EA	12' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base .....	1,458.38	214.75
			<i>For Galvanized Finish, Add</i>	30.87	
			<i>For &gt;10 To 20, Deduct</i>	-51.89	
			<i>For &gt;20 To 40, Deduct</i>	-93.50	
			<i>For &gt;40, Deduct</i>	-197.28	
26 56	13 00-0189	EA	14' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base .....	1,688.60	241.60
			<i>For Galvanized Finish, Add</i>	36.16	
			<i>For &gt;10 To 20, Deduct</i>	-60.30	
			<i>For &gt;20 To 40, Deduct</i>	-108.54	
			<i>For &gt;40, Deduct</i>	-229.13	
26 56	13 00-0190	EA	16' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base .....	1,807.85	268.44
			<i>For Galvanized Finish, Add</i>	38.13	
			<i>For &gt;10 To 20, Deduct</i>	-64.26	
			<i>For &gt;20 To 40, Deduct</i>	-115.81	
			<i>For &gt;40, Deduct</i>	-244.33	
26 56	13 00-0191	EA	18' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base .....	1,919.53	295.29
			<i>For Galvanized Finish, Add</i>	39.87	
			<i>For &gt;10 To 20, Deduct</i>	-67.92	
			<i>For &gt;20 To 40, Deduct</i>	-122.56	
			<i>For &gt;40, Deduct</i>	-258.40	



<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Lighting</b>	<b>26 50</b>	
<b>Exterior Lighting</b>	<b>26 56</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0192 EA 20' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	2,006.01	322.13
For Galvanized Finish, Add	40.85	
For >10 To 20, Deduct	-70.58	
For >20 To 40, Deduct	-127.54	
For >40, Deduct	-268.69	
26 56 13 00-0193 EA 25' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	2,314.07	429.51
For Galvanized Finish, Add	43.65	
For >10 To 20, Deduct	-79.68	
For >20 To 40, Deduct	-144.80	
For >40, Deduct	-304.16	
26 56 13 00-0194 EA 10' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base .....	1,351.74	187.91
For Galvanized Finish, Add	29.28	
For >10 To 20, Deduct	-48.43	
For >20 To 40, Deduct	-87.11	
For >40, Deduct	-183.97	
26 56 13 00-0195 EA 12' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base .....	1,465.95	214.75
For Galvanized Finish, Add	31.09	
For >10 To 20, Deduct	-52.20	
For >20 To 40, Deduct	-94.03	
For >40, Deduct	-198.42	
26 56 13 00-0196 EA 14' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base .....	1,728.94	241.60
For Galvanized Finish, Add	37.37	
For >10 To 20, Deduct	-61.91	
For >20 To 40, Deduct	-111.36	
For >40, Deduct	-235.18	
26 56 13 00-0197 EA 16' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base .....	1,815.42	268.44
For Galvanized Finish, Add	38.36	
For >10 To 20, Deduct	-64.56	
For >20 To 40, Deduct	-116.34	
For >40, Deduct	-245.47	
26 56 13 00-0198 EA 18' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base .....	1,919.53	295.29
For Galvanized Finish, Add	39.87	
For >10 To 20, Deduct	-67.92	
For >20 To 40, Deduct	-122.56	
For >40, Deduct	-258.40	
26 56 13 00-0199 EA 20' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base .....	2,006.01	322.13
For Galvanized Finish, Add	40.85	
For >10 To 20, Deduct	-70.58	
For >20 To 40, Deduct	-127.54	
For >40, Deduct	-268.69	
26 56 13 00-0200 EA 25' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base .....	2,384.68	429.51
For Galvanized Finish, Add	45.77	
For >10 To 20, Deduct	-82.50	
For >20 To 40, Deduct	-149.75	
For >40, Deduct	-314.75	
26 56 13 00-0201 EA 30' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base .....	2,623.18	483.20
For Galvanized Finish, Add	49.70	
For >10 To 20, Deduct	-90.43	
For >20 To 40, Deduct	-164.29	
For >40, Deduct	-345.16	
26 56 13 00-0202 EA 20' High, 5" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	2,167.41	322.13
For Galvanized Finish, Add	45.69	
For >10 To 20, Deduct	-77.03	
For >20 To 40, Deduct	-138.83	
For >40, Deduct	-292.90	
26 56 13 00-0203 EA 25' High, 5" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	2,417.46	429.51
For Galvanized Finish, Add	46.75	
For >10 To 20, Deduct	-83.81	
For >20 To 40, Deduct	-152.04	
For >40, Deduct	-319.67	
26 56 13 00-0204 EA 30' High, 5" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	2,686.22	483.20
For Galvanized Finish, Add	51.59	
For >10 To 20, Deduct	-92.95	
For >20 To 40, Deduct	-168.71	
For >40, Deduct	-354.61	
<b>26 56 13 00-0205 Round Tapered, Steel Area Light Poles</b> <small>(26 56 13 00-0178)</small>		
<b>26 56 13 00-0206 Round Tapered, Steel Area Light Poles, Anchor Base</b> <small>(26 56 13 00-0205)</small>		
26 56 13 00-0207 EA 20' High, 5.90" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base .....	2,737.32	322.13
For Galvanized Finish, Add	62.79	
For >10 To 20, Deduct	-99.83	
For >20 To 40, Deduct	-178.73	
For >40, Deduct	-378.38	
26 56 13 00-0208 EA 20' High, 6.50" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base .....	2,815.50	322.13
For Galvanized Finish, Add	65.14	
For >10 To 20, Deduct	-102.96	
For >20 To 40, Deduct	-184.20	
For >40, Deduct	-390.11	
26 56 13 00-0209 EA 25' High, 5.90" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base .....	3,201.73	429.51
For Galvanized Finish, Add	70.28	
For >10 To 20, Deduct	-115.18	
For >20 To 40, Deduct	-206.94	
For >40, Deduct	-437.31	

**26 Electrical**  
**26 50 Lighting**  
**26 56 Exterior Lighting**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56	13 00-0210	EA	25' High, 7.00" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	3,363.12	429.51
			<i>For Galvanized Finish, Add</i>	75.12	
			<i>For &gt;10 To 20, Deduct</i>	-121.64	
			<i>For &gt;20 To 40, Deduct</i>	-218.24	
			<i>For &gt;40, Deduct</i>	-461.52	
26 56	13 00-0211	EA	30' High, 6.60" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	3,561.27	483.20
			<i>For Galvanized Finish, Add</i>	77.85	
			<i>For &gt;10 To 20, Deduct</i>	-127.95	
			<i>For &gt;20 To 40, Deduct</i>	-229.96	
			<i>For &gt;40, Deduct</i>	-485.87	
26 56	13 00-0212	EA	30' High, 8.00" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	3,831.10	483.20
			<i>For Galvanized Finish, Add</i>	85.94	
			<i>For &gt;10 To 20, Deduct</i>	-138.75	
			<i>For &gt;20 To 40, Deduct</i>	-248.85	
			<i>For &gt;40, Deduct</i>	-526.35	
26 56	13 00-0213	EA	35' High, 7.30" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	3,940.28	510.04
			<i>For Galvanized Finish, Add</i>	87.61	
			<i>For &gt;10 To 20, Deduct</i>	-142.31	
			<i>For &gt;20 To 40, Deduct</i>	-255.42	
			<i>For &gt;40, Deduct</i>	-540.04	
26 56	13 00-0214	EA	35' High, 8.50" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	4,106.71	510.04
			<i>For Galvanized Finish, Add</i>	92.60	
			<i>For &gt;10 To 20, Deduct</i>	-148.97	
			<i>For &gt;20 To 40, Deduct</i>	-267.07	
			<i>For &gt;40, Deduct</i>	-565.00	
26 56	13 00-0215	EA	35' High, 9.50" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	4,505.15	510.04
			<i>For Galvanized Finish, Add</i>	104.55	
			<i>For &gt;10 To 20, Deduct</i>	-164.90	
			<i>For &gt;20 To 40, Deduct</i>	-294.96	
			<i>For &gt;40, Deduct</i>	-624.77	
26 56	13 00-0216	EA	39' High, 7.82" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	4,528.57	536.89
			<i>For Galvanized Finish, Add</i>	103.64	
			<i>For &gt;10 To 20, Deduct</i>	-165.04	
			<i>For &gt;20 To 40, Deduct</i>	-295.52	
			<i>For &gt;40, Deduct</i>	-625.60	
26 56	13 00-0217	EA	39' High, 9.00" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	4,599.18	536.89
			<i>For Galvanized Finish, Add</i>	105.76	
			<i>For &gt;10 To 20, Deduct</i>	-167.86	
			<i>For &gt;20 To 40, Deduct</i>	-300.47	
			<i>For &gt;40, Deduct</i>	-636.19	
26 56	13 00-0218	EA	45' High, 10.00" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	6,280.54	697.95
			<i>For Galvanized Finish, Add</i>	146.54	
			<i>For &gt;10 To 20, Deduct</i>	-230.28	
			<i>For &gt;20 To 40, Deduct</i>	-411.72	
			<i>For &gt;40, Deduct</i>	-872.29	
26 56	13 00-0219	EA	50' High, 10.00" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	6,480.16	805.32
			<i>For Galvanized Finish, Add</i>	146.09	
			<i>For &gt;10 To 20, Deduct</i>	-235.05	
			<i>For &gt;20 To 40, Deduct</i>	-421.40	
			<i>For &gt;40, Deduct</i>	-891.49	
26 56	13 00-0220	EA	25' High, 7.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	4,457.56	429.51
			<i>For Galvanized Finish, Add</i>	107.96	
			<i>For &gt;10 To 20, Deduct</i>	-165.42	
			<i>For &gt;20 To 40, Deduct</i>	-294.85	
			<i>For &gt;40, Deduct</i>	-625.68	
26 56	13 00-0221	EA	30' High, 8.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	5,064.23	483.20
			<i>For Galvanized Finish, Add</i>	122.94	
			<i>For &gt;10 To 20, Deduct</i>	-188.07	
			<i>For &gt;20 To 40, Deduct</i>	-335.17	
			<i>For &gt;40, Deduct</i>	-711.32	
26 56	13 00-0222	EA	39' High, 9.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	5,887.79	536.89
			<i>For Galvanized Finish, Add</i>	144.42	
			<i>For &gt;10 To 20, Deduct</i>	-219.41	
			<i>For &gt;20 To 40, Deduct</i>	-390.67	
			<i>For &gt;40, Deduct</i>	-829.48	
26 56	13 00-0223	EA	45' High, 10.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	7,067.33	697.95
			<i>For Galvanized Finish, Add</i>	170.14	
			<i>For &gt;10 To 20, Deduct</i>	-261.75	
			<i>For &gt;20 To 40, Deduct</i>	-466.79	
			<i>For &gt;40, Deduct</i>	-990.30	
26 56	13 00-0224	EA	50' High, 10.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	8,255.47	805.32
			<i>For Galvanized Finish, Add</i>	199.34	
			<i>For &gt;10 To 20, Deduct</i>	-306.06	
			<i>For &gt;20 To 40, Deduct</i>	-545.67	
			<i>For &gt;40, Deduct</i>	-1,157.79	
26 56	13 00-0225	EA	50' High, 11.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	9,281.82	805.32
			<i>For Galvanized Finish, Add</i>	230.13	
			<i>For &gt;10 To 20, Deduct</i>	-347.11	
			<i>For &gt;20 To 40, Deduct</i>	-617.51	
			<i>For &gt;40, Deduct</i>	-1,311.74	
26 56	13 00-0226	EA	50' High, 13.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	12,711.40	805.32
			<i>For Galvanized Finish, Add</i>	333.02	
			<i>For &gt;10 To 20, Deduct</i>	-484.30	
			<i>For &gt;20 To 40, Deduct</i>	-857.58	
			<i>For &gt;40, Deduct</i>	-1,826.18	



<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Lighting</b>	<b>26 50</b>	
<b>Exterior Lighting</b>	<b>26 56</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0227 EA 50' High, 13.00" Base OD, 3 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base ..... <i>For Galvanized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	14,375.76 382.95 -550.87 -974.09 -2,075.83	805.32
<b>26 56 13 00-0228 Square Straight, Steel Area Light Poles</b> <small>(26 56 13 00-0178)</small>		
<b>26 56 13 00-0229 Square Straight, Steel Area Light Poles, Anchor Base</b> <small>(26 56 13 00-0228)</small>		
26 56 13 00-0230 EA 10' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,266.00 26.71 -45.00 -81.10 -171.11	187.91
26 56 13 00-0231 EA 12' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,319.69 26.71 -46.34 -83.79 -176.48	214.75
26 56 13 00-0232 EA 14' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,416.25 27.99 -49.40 -89.47 -188.28	241.60
26 56 13 00-0233 EA 15' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,503.61 29.81 -52.49 -95.05 -200.04	255.02
26 56 13 00-0234 EA 16' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,530.46 29.81 -53.17 -96.39 -202.72	268.44
26 56 13 00-0235 EA 18' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,611.88 30.64 -55.62 -101.02 -212.25	295.29
26 56 13 00-0236 EA 20' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,688.27 31.32 -57.87 -105.29 -221.03	322.13
26 56 13 00-0237 EA 25' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	2,054.33 35.86 -69.29 -126.62 -265.20	429.51
26 56 13 00-0238 EA 20' High, 5" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	2,028.71 41.53 -71.48 -129.12 -272.09	322.13
26 56 13 00-0239 EA 25' High, 5" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	2,523.38 49.93 -88.05 -159.46 -335.56	429.51
26 56 13 00-0240 EA 30' High, 5" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	2,905.62 58.18 -101.73 -184.07 -387.52	483.20
26 56 13 00-0241 EA 20' High, 4" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,935.41 38.73 -67.75 -122.59 -258.10	322.13
26 56 13 00-0242 EA 25' High, 4" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	2,341.81 44.48 -80.79 -146.75 -308.32	429.51
26 56 13 00-0243 EA 30' High, 4" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	2,749.27 53.49 -95.47 -173.12 -364.07	483.20
26 56 13 00-0244 EA 20' High, 5" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	2,255.67 48.34 -80.56 -145.01 -306.14	322.13

**26 Electrical**  
**26 50 Lighting**  
**26 56 Exterior Lighting**



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0245	EA	25' High, 5" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	2,750.33 56.74 -97.13 -175.34 -369.60	429.51
26 56 13 00-0246	EA	30' High, 5" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	3,119.96 64.61 -110.30 -199.07 -419.67	483.20
26 56 13 00-0247	EA	35' High, 5" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	3,486.36 73.99 -124.15 -223.64 -471.95	510.04
26 56 13 00-0248	EA	30' High, 6" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	3,616.75 79.51 -130.17 -233.84 -494.19	483.20
26 56 13 00-0249	EA	35' High, 6" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	3,985.67 88.97 -144.13 -258.60 -546.85	510.04
26 56 13 00-0250	EA	40' High, 6" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base..... <i>For Galvanized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	4,218.39 94.34 -152.63 -273.81 -579.07	536.89
26 56 13 00-0251		<b>Hinged, Square Straight, Steel Area Light Poles</b> <small>(26 56 13 00-0178)</small>		
26 56 13 00-0252		<b>Hinged, Square Straight, Steel Area Light Poles, Anchor Base</b> <small>(26 56 13 00-0251)</small>		
26 56 13 00-0253	EA	20' High, 6.44" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base ..... <i>For Galvanized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	4,825.86 125.45 -183.37 -324.92 -691.67	322.13
26 56 13 00-0254	EA	25' High, 6.44" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base ..... <i>For Galvanized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	5,324.92 133.98 -200.11 -355.56 -755.79	429.51
26 56 13 00-0255	EA	30' High, 6.44" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base ..... <i>For Galvanized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	7,556.62 197.71 -287.77 -509.64 -1,085.17	483.20
26 56 13 00-0256	EA	20' High, 7.32" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base ..... <i>For Galvanized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	4,927.78 128.51 -187.45 -332.06 -706.95	322.13
26 56 13 00-0257	EA	25' High, 7.32" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base ..... <i>For Galvanized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	5,917.70 151.76 -223.82 -397.06 -844.70	429.51
26 56 13 00-0258	EA	30' High, 7.32" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base ..... <i>For Galvanized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	8,439.07 224.18 -323.07 -571.41 -1,217.54	483.20
26 56 13 00-0259	EA	35' High, 7.32" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base ..... <i>For Galvanized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	9,723.91 261.11 -373.66 -660.27 -1,407.58	510.04
26 56 13 00-0260	EA	39' High, 7.32" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base ..... <i>For Galvanized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	11,486.17 312.37 -443.34 -782.56 -1,669.24	536.89
26 56 13 00-0261	EA	20' High, 4" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base ..... <i>For Galvanized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	4,664.93 120.62 -176.93 -313.66 -667.53	322.13
26 56 13 00-0262	EA	25' High, 4" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base ..... <i>For Galvanized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	5,067.43 126.25 -189.81 -337.54 -717.16	429.51





<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Lighting</b>	<b>26 50</b>	
<b>Exterior Lighting</b>	<b>26 56</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0263 EA 30' High, 4" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base ..... <i>For Galvanized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	7,103.32 184.11 -269.64 -477.90 -1,017.18	483.20
26 56 13 00-0264 EA 20' High, 6.44" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base ..... <i>For Galvanized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	4,850.00 126.17 -184.34 -326.61 -695.29	322.13
26 56 13 00-0265 EA 25' High, 6.44" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base ..... <i>For Galvanized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	5,676.30 144.52 -214.17 -380.16 -808.49	429.51
26 56 13 00-0266 EA 30' High, 6.44" OD, 7 Gauge, Hinged Square Straight, Steel Area Light Pole, Anchor Base ..... <i>For Galvanized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	8,103.79 214.12 -309.66 -547.94 -1,167.25	483.20
26 56 13 00-0267 EA 20' High, 7.32" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base ..... <i>For Galvanized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	5,134.31 134.70 -195.71 -346.52 -737.93	322.13
26 56 13 00-0268 EA 25' High, 7.32" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base ..... <i>For Galvanized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	6,188.60 159.89 -234.66 -416.02 -885.34	429.51
26 56 13 00-0269 EA 30' High, 7.32" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base ..... <i>For Galvanized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	8,707.29 232.23 -333.80 -590.18 -1,257.77	483.20
26 56 13 00-0270 EA 35' High, 7.32" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base ..... <i>For Galvanized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	10,051.14 270.93 -386.74 -683.18 -1,456.67	510.04
26 56 13 00-0271 EA 39' High, 7.32" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base ..... <i>For Galvanized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	11,660.51 317.60 -450.31 -794.76 -1,695.39	536.89
<b>26 56 13 00-0272 Square Tapered, Steel Area Light Poles (26 56 13 00-0178)</b>		
<b>26 56 13 00-0273 Square Tapered, Steel Area Light Poles, Anchor Base (26 56 13 00-0272)</b>		
26 56 13 00-0274 EA 20' High, 5.25" Base OD, 11 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base ..... <i>For Galvanized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	3,587.15 88.29 -133.82 -238.22 -505.86	322.13
26 56 13 00-0275 EA 25' High, 6.00" Base OD, 11 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base ..... <i>For Galvanized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	4,321.38 103.87 -159.97 -285.32 -605.26	429.51
26 56 13 00-0276 EA 30' High, 6.41" Base OD, 11 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base ..... <i>For Galvanized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	4,804.49 115.14 -177.68 -316.99 -672.35	483.20
26 56 13 00-0277 EA 35' High, 6.81" Base OD, 11 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base ..... <i>For Galvanized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	5,354.98 130.05 -198.90 -354.45 -752.24	510.04
26 56 13 00-0278 EA 39' High, 7.18" Base OD, 11 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base ..... <i>For Galvanized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	5,645.70 137.16 -209.72 -373.72 -793.17	536.89
26 56 13 00-0279 EA 20' High, 5.50" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base ..... <i>For Galvanized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	4,719.42 122.25 -179.11 -317.47 -675.70	322.13
26 56 13 00-0280 EA 25' High, 6.41" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base ..... <i>For Galvanized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	5,209.04 130.50 -195.48 -347.45 -738.41	429.51

**26 Electrical**  
**26 50 Lighting**  
**26 56 Exterior Lighting**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0281	EA		30' High, 6.41" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base.....	5,530.76	483.20
			<i>For Galvanized Finish, Add</i>	136.93	
			<i>For &gt;10 To 20, Deduct</i>	-206.73	
			<i>For &gt;20 To 40, Deduct</i>	-367.83	
			<i>For &gt;40, Deduct</i>	-781.29	
26 56 13 00-0282	EA		30' High, 7.13" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base.....	6,196.50	483.20
			<i>For Galvanized Finish, Add</i>	156.90	
			<i>For &gt;10 To 20, Deduct</i>	-233.36	
			<i>For &gt;20 To 40, Deduct</i>	-414.43	
			<i>For &gt;40, Deduct</i>	-881.16	
26 56 13 00-0283	EA		35' High, 7.13" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base.....	6,729.33	510.04
			<i>For Galvanized Finish, Add</i>	171.28	
			<i>For &gt;10 To 20, Deduct</i>	-253.87	
			<i>For &gt;20 To 40, Deduct</i>	-450.65	
			<i>For &gt;40, Deduct</i>	-958.40	
26 56 13 00-0284	EA		35' High, 7.88" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base.....	7,553.94	510.04
			<i>For Galvanized Finish, Add</i>	196.02	
			<i>For &gt;10 To 20, Deduct</i>	-286.86	
			<i>For &gt;20 To 40, Deduct</i>	-508.37	
			<i>For &gt;40, Deduct</i>	-1,082.09	
26 56 13 00-0285	EA		39' High, 7.13" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base.....	6,820.84	536.89
			<i>For Galvanized Finish, Add</i>	172.41	
			<i>For &gt;10 To 20, Deduct</i>	-256.73	
			<i>For &gt;20 To 40, Deduct</i>	-455.98	
			<i>For &gt;40, Deduct</i>	-969.44	
26 56 13 00-0286	EA		39' High, 8.75" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base.....	8,850.85	536.89
			<i>For Galvanized Finish, Add</i>	233.31	
			<i>For &gt;10 To 20, Deduct</i>	-337.93	
			<i>For &gt;20 To 40, Deduct</i>	-598.08	
			<i>For &gt;40, Deduct</i>	-1,273.94	
26 56 13 00-0287	EA		45' High, 7.88" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base.....	7,997.85	697.95
			<i>For Galvanized Finish, Add</i>	198.06	
			<i>For &gt;10 To 20, Deduct</i>	-298.98	
			<i>For &gt;20 To 40, Deduct</i>	-531.93	
			<i>For &gt;40, Deduct</i>	-1,129.88	
26 56 13 00-0288	EA		45' High, 8.75" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base.....	9,382.29	697.95
			<i>For Galvanized Finish, Add</i>	239.59	
			<i>For &gt;10 To 20, Deduct</i>	-354.35	
			<i>For &gt;20 To 40, Deduct</i>	-628.84	
			<i>For &gt;40, Deduct</i>	-1,337.55	
26 56 13 00-0289	EA		50' High, 8.81" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base.....	9,667.65	805.32
			<i>For Galvanized Finish, Add</i>	241.71	
			<i>For &gt;10 To 20, Deduct</i>	-362.55	
			<i>For &gt;20 To 40, Deduct</i>	-644.52	
			<i>For &gt;40, Deduct</i>	-1,369.61	
26 56 13 00-0290			<b>Factory Accessories For Steel Area Light Poles</b> <small>(26 56 13 00-0178)</small>		
26 56 13 00-0291	EA		1/2", 3/4" Or 1" Factory Threaded Pipe Coupling Or Nipple For Steel Area Light Poles.....	89.41	
26 56 13 00-0292	EA		Extra Handhole For Steel Area Light Poles .....	132.96	
26 56 13 00-0293	EA		Vibration Dampener For Steel Area Light Poles .....	135.26	
26 56 13 00-0294			<b>Aluminum Area Light Poles</b> <small>(26 56 13 00-0177)</small> Note: Includes satin brushed or painted finish, anchor bolts, base cover, reinforced handhole with cover and grounding provisions, factory drilled fixture mounting holes and tenon, open or capped top.		
26 56 13 00-0295			<b>Round Straight, Aluminum Area Light Poles</b> <small>(26 56 13 00-0294)</small>		
26 56 13 00-0296			<b>Round Straight, Aluminum Area Light Poles, Anchor Base</b> <small>(26 56 13 00-0295)</small>		
26 56 13 00-0297	EA		8' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base .....	767.90	161.07
			<i>For Bronze Or Satin Anodized Finish, Add</i>	44.58	
			<i>For Black Anodized Finish, Add</i>	89.15	
			<i>For &gt;10 To 20, Deduct</i>	-25.88	
			<i>For &gt;20 To 40, Deduct</i>	-47.31	
			<i>For &gt;40, Deduct</i>	-99.08	
26 56 13 00-0298	EA		10' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base .....	844.45	187.91
			<i>For Bronze Or Satin Anodized Finish, Add</i>	46.86	
			<i>For Black Anodized Finish, Add</i>	93.73	
			<i>For &gt;10 To 20, Deduct</i>	-28.14	
			<i>For &gt;20 To 40, Deduct</i>	-51.60	
			<i>For &gt;40, Deduct</i>	-107.88	
26 56 13 00-0299	EA		12' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base .....	926.72	214.75
			<i>For Bronze Or Satin Anodized Finish, Add</i>	49.72	
			<i>For Black Anodized Finish, Add</i>	99.44	
			<i>For &gt;10 To 20, Deduct</i>	-30.63	
			<i>For &gt;20 To 40, Deduct</i>	-56.28	
			<i>For &gt;40, Deduct</i>	-117.53	
26 56 13 00-0300	EA		14' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base .....	1,010.13	241.60
			<i>For Bronze Or Satin Anodized Finish, Add</i>	52.69	
			<i>For Black Anodized Finish, Add</i>	105.39	
			<i>For &gt;10 To 20, Deduct</i>	-33.16	
			<i>For &gt;20 To 40, Deduct</i>	-61.05	
			<i>For &gt;40, Deduct</i>	-127.36	



<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Lighting</b>	<b>26 50</b>	
<b>Exterior Lighting</b>	<b>26 56</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0301 EA 15' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base .....	1,056.40	255.02
For Bronze Or Satin Anodized Finish, Add	54.64	
For Black Anodized Finish, Add	109.27	
For >10 To 20, Deduct	-34.61	
For >20 To 40, Deduct	-63.75	
For >40, Deduct	-132.96	
26 56 13 00-0302 EA 16' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base .....	1,101.54	268.44
For Bronze Or Satin Anodized Finish, Add	56.47	
For Black Anodized Finish, Add	112.93	
For >10 To 20, Deduct	-36.01	
For >20 To 40, Deduct	-66.37	
For >40, Deduct	-138.39	
26 56 13 00-0303 EA 16' High, 4" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base .....	1,170.12	268.44
For Bronze Or Satin Anodized Finish, Add	63.32	
For Black Anodized Finish, Add	126.65	
For >10 To 20, Deduct	-38.75	
For >20 To 40, Deduct	-71.17	
For >40, Deduct	-148.67	
26 56 13 00-0304 EA 18' High, 4" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base .....	1,267.23	295.29
For Bronze Or Satin Anodized Finish, Add	67.67	
For Black Anodized Finish, Add	135.33	
For >10 To 20, Deduct	-41.83	
For >20 To 40, Deduct	-76.89	
For >40, Deduct	-160.56	
26 56 13 00-0305 EA 20' High, 4" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base .....	1,357.51	322.13
For Bronze Or Satin Anodized Finish, Add	71.32	
For Black Anodized Finish, Add	142.65	
For >10 To 20, Deduct	-44.64	
For >20 To 40, Deduct	-82.14	
For >40, Deduct	-171.41	
26 56 13 00-0306 EA 15' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base .....	1,309.00	255.02
For Bronze Or Satin Anodized Finish, Add	79.90	
For Black Anodized Finish, Add	159.79	
For >10 To 20, Deduct	-44.71	
For >20 To 40, Deduct	-81.43	
For >40, Deduct	-170.85	
26 56 13 00-0307 EA 20' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base .....	1,610.11	322.13
For Bronze Or Satin Anodized Finish, Add	96.58	
For Black Anodized Finish, Add	193.17	
For >10 To 20, Deduct	-54.74	
For >20 To 40, Deduct	-99.82	
For >40, Deduct	-209.30	
26 56 13 00-0308 EA 20' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base .....	1,738.13	322.13
For Bronze Or Satin Anodized Finish, Add	109.39	
For Black Anodized Finish, Add	218.77	
For >10 To 20, Deduct	-59.86	
For >20 To 40, Deduct	-108.78	
For >40, Deduct	-228.51	
26 56 13 00-0309 EA 25' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base .....	2,072.90	429.51
For Bronze Or Satin Anodized Finish, Add	121.39	
For Black Anodized Finish, Add	242.78	
For >10 To 20, Deduct	-70.03	
For >20 To 40, Deduct	-127.92	
For >40, Deduct	-267.98	
26 56 13 00-0310 EA 30' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base .....	2,407.73	483.20
For Bronze Or Satin Anodized Finish, Add	144.13	
For Black Anodized Finish, Add	288.27	
For >10 To 20, Deduct	-81.81	
For >20 To 40, Deduct	-149.21	
For >40, Deduct	-312.84	
26 56 13 00-0311 EA 20' High, 4" OD, 0.250", Round Straight, Aluminum Area Light Pole, Anchor Base .....	1,436.38	322.13
For Bronze Or Satin Anodized Finish, Add	79.21	
For Black Anodized Finish, Add	158.42	
For >10 To 20, Deduct	-47.79	
For >20 To 40, Deduct	-87.66	
For >40, Deduct	-183.24	
26 56 13 00-0312 EA 20' High, 5" OD, 0.250", Round Straight, Aluminum Area Light Pole, Anchor Base .....	1,727.84	322.13
For Bronze Or Satin Anodized Finish, Add	108.36	
For Black Anodized Finish, Add	216.71	
For >10 To 20, Deduct	-59.45	
For >20 To 40, Deduct	-108.06	
For >40, Deduct	-226.96	
26 56 13 00-0313 EA 25' High, 5" OD, 0.250", Round Straight, Aluminum Area Light Pole, Anchor Base .....	2,054.61	429.51
For Bronze Or Satin Anodized Finish, Add	119.56	
For Black Anodized Finish, Add	239.12	
For >10 To 20, Deduct	-69.30	
For >20 To 40, Deduct	-126.64	
For >40, Deduct	-265.24	
26 56 13 00-0314 EA 25' High, 6" OD, 0.250", Round Straight, Aluminum Area Light Pole, Anchor Base .....	2,220.34	429.51
For Bronze Or Satin Anodized Finish, Add	136.13	
For Black Anodized Finish, Add	272.26	
For >10 To 20, Deduct	-75.93	
For >20 To 40, Deduct	-138.24	
For >40, Deduct	-290.10	

**26 Electrical**  
**26 50 Lighting**  
**26 56 Exterior Lighting**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0315	EA		30' High, 6" OD, 0.250", Round Straight, Aluminum Area Light Pole, Anchor Base .....	2,595.18	483.20
			<i>For Bronze Or Satin Anodized Finish, Add</i>	162.88	
			<i>For Black Anodized Finish, Add</i>	325.76	
			<i>For &gt;10 To 20, Deduct</i>	-89.31	
			<i>For &gt;20 To 40, Deduct</i>	-162.33	
			<i>For &gt;40, Deduct</i>	-340.96	
<b>26 56 13 00-0316</b>			<b>Round Straight, Aluminum Area Light Poles, Hinged Anchor Base</b> <small>(26 56 13 00-0295)</small>		
26 56 13 00-0317	EA		8' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base .....	884.49	161.07
			<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	84.35	
			<i>For &gt;10 To 20, Deduct</i>	-30.55	
			<i>For &gt;20 To 40, Deduct</i>	-55.47	
			<i>For &gt;40, Deduct</i>	-116.57	
26 56 13 00-0318	EA		10' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base .....	983.90	187.91
			<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	91.21	
			<i>For &gt;10 To 20, Deduct</i>	-33.72	
			<i>For &gt;20 To 40, Deduct</i>	-61.36	
			<i>For &gt;40, Deduct</i>	-128.79	
26 56 13 00-0319	EA		12' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base .....	1,078.74	214.75
			<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	97.38	
			<i>For &gt;10 To 20, Deduct</i>	-36.71	
			<i>For &gt;20 To 40, Deduct</i>	-66.92	
			<i>For &gt;40, Deduct</i>	-140.34	
26 56 13 00-0320	EA		14' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base .....	1,151.86	241.60
			<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	100.30	
			<i>For &gt;10 To 20, Deduct</i>	-38.83	
			<i>For &gt;20 To 40, Deduct</i>	-70.97	
			<i>For &gt;40, Deduct</i>	-148.62	
26 56 13 00-0321	EA		16' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base .....	1,238.70	268.44
			<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	105.27	
			<i>For &gt;10 To 20, Deduct</i>	-41.49	
			<i>For &gt;20 To 40, Deduct</i>	-75.97	
			<i>For &gt;40, Deduct</i>	-158.96	
26 56 13 00-0322	EA		10' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base .....	1,007.90	187.91
			<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	94.81	
			<i>For &gt;10 To 20, Deduct</i>	-34.68	
			<i>For &gt;20 To 40, Deduct</i>	-63.04	
			<i>For &gt;40, Deduct</i>	-132.39	
26 56 13 00-0323	EA		12' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base .....	1,100.46	214.75
			<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	100.64	
			<i>For &gt;10 To 20, Deduct</i>	-37.58	
			<i>For &gt;20 To 40, Deduct</i>	-68.44	
			<i>For &gt;40, Deduct</i>	-143.59	
26 56 13 00-0324	EA		14' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base .....	1,196.44	241.60
			<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	106.99	
			<i>For &gt;10 To 20, Deduct</i>	-40.61	
			<i>For &gt;20 To 40, Deduct</i>	-74.09	
			<i>For &gt;40, Deduct</i>	-155.31	
26 56 13 00-0325	EA		16' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base .....	1,291.28	268.44
			<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	113.16	
			<i>For &gt;10 To 20, Deduct</i>	-43.60	
			<i>For &gt;20 To 40, Deduct</i>	-79.65	
			<i>For &gt;40, Deduct</i>	-166.85	
26 56 13 00-0326	EA		18' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base .....	1,391.82	295.29
			<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	120.19	
			<i>For &gt;10 To 20, Deduct</i>	-46.81	
			<i>For &gt;20 To 40, Deduct</i>	-85.62	
			<i>For &gt;40, Deduct</i>	-179.24	
26 56 13 00-0327	EA		20' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base .....	1,485.53	322.13
			<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	126.19	
			<i>For &gt;10 To 20, Deduct</i>	-49.76	
			<i>For &gt;20 To 40, Deduct</i>	-91.10	
			<i>For &gt;40, Deduct</i>	-190.62	
26 56 13 00-0328	EA		12' High, 5" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base .....	1,145.03	214.75
			<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	107.33	
			<i>For &gt;10 To 20, Deduct</i>	-39.36	
			<i>For &gt;20 To 40, Deduct</i>	-71.56	
			<i>For &gt;40, Deduct</i>	-150.28	
26 56 13 00-0329	EA		14' High, 5" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base .....	1,249.02	241.60
			<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	114.87	
			<i>For &gt;10 To 20, Deduct</i>	-42.71	
			<i>For &gt;20 To 40, Deduct</i>	-77.77	
			<i>For &gt;40, Deduct</i>	-163.19	
26 56 13 00-0330	EA		16' High, 5" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base .....	1,351.86	268.44
			<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	122.25	
			<i>For &gt;10 To 20, Deduct</i>	-46.02	
			<i>For &gt;20 To 40, Deduct</i>	-83.89	
			<i>For &gt;40, Deduct</i>	-175.93	
26 56 13 00-0331	EA		18' High, 5" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base .....	1,456.97	295.29
			<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	129.96	
			<i>For &gt;10 To 20, Deduct</i>	-49.42	
			<i>For &gt;20 To 40, Deduct</i>	-90.18	
			<i>For &gt;40, Deduct</i>	-189.02	



<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Lighting</b>	<b>26 50</b>	
<b>Exterior Lighting</b>	<b>26 56</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0332 EA 16' High, 6" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,415.86 131.85 -48.58 -88.37 -185.53	268.44
26 56 13 00-0333 EA 20' High, 6" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,635.26 148.65 -55.75 -101.58 -213.08	322.13
26 56 13 00-0334 EA 12' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,187.33 113.67 -41.05 -74.52 -156.62	214.75
26 56 13 00-0335 EA 14' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,303.88 123.10 -44.91 -81.61 -171.42	241.60
26 56 13 00-0336 EA 16' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,409.01 130.82 -48.31 -87.89 -184.51	268.44
26 56 13 00-0337 EA 18' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,520.98 139.56 -51.98 -94.66 -198.62	295.29
26 56 13 00-0338 EA 20' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,629.54 147.79 -55.52 -101.18 -212.22	322.13
26 56 13 00-0339 EA 16' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,492.45 143.33 -51.64 -93.73 -197.02	268.44
26 56 13 00-0340 EA 18' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,614.71 153.62 -55.73 -101.22 -212.68	295.29
26 56 13 00-0341 EA 20' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,664.98 153.11 -56.94 -103.66 -217.53	322.13
<b>26 56 13 00-0342 Round Straight, Aluminum Area Light Poles, Direct Burial</b> <small>(26 56 13 00-0295)</small> Note: Includes rubberized undercoating on embedded portion.		
26 56 13 00-0343 EA 10' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Direct Burial <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	689.07 42.06 84.13 -23.54 -42.87 -89.94	134.22
26 56 13 00-0344 EA 12' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Direct Burial <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	737.63 44.23 88.47 -25.08 -45.73 -95.88	147.65
26 56 13 00-0345 EA 14' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Direct Burial <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	815.91 49.38 98.76 -27.80 -50.67 -106.28	161.07
26 56 13 00-0346 EA 15' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Direct Burial <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	842.20 52.01 104.01 -28.86 -52.51 -110.22	161.07
26 56 13 00-0347 EA 16' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Direct Burial <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	875.35 55.32 110.64 -30.18 -54.83 -115.20	161.07

**26 Electrical**  
**26 50 Lighting**  
**26 56 Exterior Lighting**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0348	EA		18' High, 4" OD, 0.188", Round Straight, Aluminum Area Light Pole, Direct Burial .....	1,002.78	174.49
			<i>For Bronze Or Satin Anodized Finish, Add</i>	65.38	
			<i>For Black Anodized Finish, Add</i>	130.76	
			<i>For &gt;10 To 20, Deduct</i>	-34.88	
			<i>For &gt;20 To 40, Deduct</i>	-63.22	
			<i>For &gt;40, Deduct</i>	-132.97	
26 56 13 00-0349	EA		20' High, 4" OD, 0.188", Round Straight, Aluminum Area Light Pole, Direct Burial .....	1,071.91	187.91
			<i>For Bronze Or Satin Anodized Finish, Add</i>	69.61	
			<i>For Black Anodized Finish, Add</i>	139.22	
			<i>For &gt;10 To 20, Deduct</i>	-37.24	
			<i>For &gt;20 To 40, Deduct</i>	-67.52	
			<i>For &gt;40, Deduct</i>	-142.00	
26 56 13 00-0350	EA		20' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Direct Burial .....	1,249.08	187.91
			<i>For Bronze Or Satin Anodized Finish, Add</i>	87.33	
			<i>For Black Anodized Finish, Add</i>	174.65	
			<i>For &gt;10 To 20, Deduct</i>	-44.33	
			<i>For &gt;20 To 40, Deduct</i>	-79.92	
			<i>For &gt;40, Deduct</i>	-168.57	
26 56 13 00-0351	EA		25' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Direct Burial .....	1,530.23	214.75
			<i>For Bronze Or Satin Anodized Finish, Add</i>	110.07	
			<i>For Black Anodized Finish, Add</i>	220.14	
			<i>For &gt;10 To 20, Deduct</i>	-54.77	
			<i>For &gt;20 To 40, Deduct</i>	-98.53	
			<i>For &gt;40, Deduct</i>	-208.06	
26 56 13 00-0352	EA		30' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Direct Burial .....	1,737.08	241.60
			<i>For Bronze Or Satin Anodized Finish, Add</i>	125.39	
			<i>For Black Anodized Finish, Add</i>	250.78	
			<i>For &gt;10 To 20, Deduct</i>	-62.24	
			<i>For &gt;20 To 40, Deduct</i>	-111.93	
			<i>For &gt;40, Deduct</i>	-236.40	
26 56 13 00-0353	EA		30' High, 6" OD, 0.250", Round Straight, Aluminum Area Light Pole, Direct Burial .....	1,946.25	241.60
			<i>For Bronze Or Satin Anodized Finish, Add</i>	146.31	
			<i>For Black Anodized Finish, Add</i>	292.61	
			<i>For &gt;10 To 20, Deduct</i>	-70.60	
			<i>For &gt;20 To 40, Deduct</i>	-126.57	
			<i>For &gt;40, Deduct</i>	-267.78	
26 56 13 00-0354			Round Tapered, Aluminum Area Light Poles <small>(26 56 13 00-0294)</small>		
26 56 13 00-0355			Round Tapered, Aluminum Area Light Poles, Anchor Base <small>(26 56 13 00-0354)</small>		
26 56 13 00-0356	EA		8' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base .....	645.60	161.07
			<i>For Bronze Or Satin Anodized Finish, Add</i>	32.35	
			<i>For Black Anodized Finish, Add</i>	64.69	
			<i>For &gt;10 To 20, Deduct</i>	-20.99	
			<i>For &gt;20 To 40, Deduct</i>	-38.75	
			<i>For &gt;40, Deduct</i>	-80.73	
26 56 13 00-0357	EA		10' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base .....	725.58	187.91
			<i>For Bronze Or Satin Anodized Finish, Add</i>	34.98	
			<i>For Black Anodized Finish, Add</i>	69.95	
			<i>For &gt;10 To 20, Deduct</i>	-23.39	
			<i>For &gt;20 To 40, Deduct</i>	-43.27	
			<i>For &gt;40, Deduct</i>	-90.05	
26 56 13 00-0358	EA		12' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base .....	805.56	214.75
			<i>For Bronze Or Satin Anodized Finish, Add</i>	37.61	
			<i>For Black Anodized Finish, Add</i>	75.21	
			<i>For &gt;10 To 20, Deduct</i>	-25.78	
			<i>For &gt;20 To 40, Deduct</i>	-47.80	
			<i>For &gt;40, Deduct</i>	-99.36	
26 56 13 00-0359	EA		14' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base .....	895.83	241.60
			<i>For Bronze Or Satin Anodized Finish, Add</i>	41.26	
			<i>For Black Anodized Finish, Add</i>	82.53	
			<i>For &gt;10 To 20, Deduct</i>	-28.59	
			<i>For &gt;20 To 40, Deduct</i>	-53.04	
			<i>For &gt;40, Deduct</i>	-110.21	
26 56 13 00-0360	EA		16' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base .....	984.95	268.44
			<i>For Bronze Or Satin Anodized Finish, Add</i>	44.81	
			<i>For Black Anodized Finish, Add</i>	89.61	
			<i>For &gt;10 To 20, Deduct</i>	-31.34	
			<i>For &gt;20 To 40, Deduct</i>	-58.21	
			<i>For &gt;40, Deduct</i>	-120.90	
26 56 13 00-0361	EA		10' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base .....	755.30	187.91
			<i>For Bronze Or Satin Anodized Finish, Add</i>	37.95	
			<i>For Black Anodized Finish, Add</i>	75.90	
			<i>For &gt;10 To 20, Deduct</i>	-24.57	
			<i>For &gt;20 To 40, Deduct</i>	-45.35	
			<i>For &gt;40, Deduct</i>	-94.50	
26 56 13 00-0362	EA		12' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base .....	852.42	214.75
			<i>For Bronze Or Satin Anodized Finish, Add</i>	42.29	
			<i>For Black Anodized Finish, Add</i>	84.58	
			<i>For &gt;10 To 20, Deduct</i>	-27.65	
			<i>For &gt;20 To 40, Deduct</i>	-51.08	
			<i>For &gt;40, Deduct</i>	-106.39	



<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Lighting</b>	<b>26 50</b>	
<b>Exterior Lighting</b>	<b>26 56</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0363 EA 14' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	946.12 46.29 92.58 -30.60 -56.56 -117.76	241.60
26 56 13 00-0364 EA 18' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,125.50 53.49 106.99 -36.16 -66.97 -139.30	295.29
26 56 13 00-0365 EA 20' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,207.77 56.35 112.70 -38.65 -71.66 -148.95	322.13
26 56 13 00-0366 EA 12' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	894.72 46.52 93.04 -29.35 -54.04 -112.73	214.75
26 56 13 00-0367 EA 14' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	995.27 51.21 102.41 -32.56 -60.00 -125.13	241.60
26 56 13 00-0368 EA 16' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,103.82 56.69 113.39 -36.10 -66.53 -138.73	268.44
26 56 13 00-0369 EA 18' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,191.79 60.12 120.24 -38.81 -71.61 -149.24	295.29
26 56 13 00-0370 EA 20' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,295.79 65.15 130.30 -42.17 -77.82 -162.16	322.13
26 56 13 00-0371 EA 16' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,215.84 67.90 135.79 -40.58 -74.37 -155.53	268.44
26 56 13 00-0372 EA 18' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,334.67 74.41 148.82 -44.53 -81.62 -170.67	295.29
26 56 13 00-0373 EA 20' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,406.66 76.24 152.48 -46.60 -85.58 -178.79	322.13
26 56 13 00-0374 EA 23' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,615.76 86.41 172.82 -53.36 -98.07 -204.78	375.82
26 56 13 00-0375 EA 25' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,831.72 97.27 194.54 -60.38 -111.04 -231.81	429.51
26 56 13 00-0376 EA 18' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,446.68 85.61 171.22 -49.01 -89.46 -187.47	295.29

**26 Electrical**  
**26 50 Lighting**  
**26 56 Exterior Lighting**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56	13 00-0377	EA	20' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,542.68 89.84 179.68 -52.04 -95.10 -199.19	322.13
26 56	13 00-0378	EA	23' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,723.20 97.16 194.31 -57.65 -105.59 -220.90	375.82
26 56	13 00-0379	EA	25' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,914.02 105.50 211.00 -63.68 -116.80 -244.15	429.51
26 56	13 00-0380	EA	28' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	2,060.29 114.76 229.52 -68.72 -125.97 -263.41	456.36
26 56	13 00-0381	EA	30' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	2,208.84 124.25 248.49 -73.86 -135.29 -283.01	483.20
26 56	13 00-0382	EA	23' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,829.50 107.79 215.57 -61.91 -113.03 -236.84	375.82
26 56	13 00-0383	EA	25' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,984.88 112.59 225.17 -66.51 -121.76 -254.78	429.51
26 56	13 00-0384	EA	28' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	2,136.87 122.42 244.83 -71.78 -131.33 -274.90	456.36
26 56	13 00-0385	EA	30' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	2,327.71 136.13 272.26 -78.61 -143.61 -300.84	483.20
26 56	13 00-0386	EA	33' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	2,406.00 141.28 282.55 -81.34 -148.56 -311.24	496.62
26 56	13 00-0387	EA	35' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	2,571.15 155.11 310.21 -87.54 -159.58 -334.67	510.04
26 56	13 00-0388	EA	12' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	941.58 51.21 102.41 -31.22 -57.32 -119.76	214.75
26 56	13 00-0389	EA	14' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,050.13 56.69 113.39 -34.76 -63.85 -133.36	241.60
26 56	13 00-0390	EA	16' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,163.26 62.64 125.27 -38.48 -70.69 -147.64	268.44





<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Lighting</b>	<b>26 50</b>	
<b>Exterior Lighting</b>	<b>26 56</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0391 EA 18' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,263.80 67.32 134.65 -41.69 -76.65 -160.04	295.29
26 56 13 00-0392 EA 20' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,363.22 71.90 143.79 -44.86 -82.54 -172.27	322.13
26 56 13 00-0393 EA 16' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,287.85 75.10 150.19 -43.46 -79.41 -166.33	268.44
26 56 13 00-0394 EA 18' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,410.11 81.95 163.91 -47.55 -86.90 -181.99	295.29
26 56 13 00-0395 EA 20' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,496.96 85.27 170.54 -50.21 -91.90 -192.33	322.13
26 56 13 00-0396 EA 23' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,700.34 94.87 189.74 -56.74 -103.99 -217.47	375.82
26 56 13 00-0397 EA 25' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,910.59 105.16 210.31 -63.54 -116.56 -243.64	429.51
26 56 13 00-0398 EA 23' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,958.66 120.70 241.40 -67.07 -122.07 -256.22	375.82
26 56 13 00-0399 EA 25' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	2,156.34 129.73 259.46 -73.37 -133.76 -280.50	429.51
26 56 13 00-0400 EA 28' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	2,322.04 140.93 281.87 -79.19 -144.29 -302.67	456.36
26 56 13 00-0401 EA 30' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	2,468.31 150.19 300.38 -84.24 -153.45 -321.93	483.20
26 56 13 00-0402 EA 33' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	2,606.03 161.28 322.56 -89.34 -162.56 -341.24	496.62
26 56 13 00-0403 EA 35' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	2,725.46 170.54 341.07 -93.72 -170.38 -357.81	510.04
26 56 13 00-0404 EA 37' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	2,826.60 177.97 355.93 -97.36 -176.92 -371.64	523.47

**26 Electrical**  
**26 50 Lighting**  
**26 56 Exterior Lighting**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56	13 00-0405	EA	39' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	3,013.46 193.97 387.94 -104.43 -189.47 -398.33	536.89
26 56	13 00-0406	EA	28' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	2,815.82 190.31 380.62 -98.94 -178.85 -376.74	456.36
26 56	13 00-0407	EA	30' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	3,039.81 207.34 414.68 -107.10 -193.46 -407.65	483.20
26 56	13 00-0408	EA	33' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	3,200.39 220.72 441.43 -113.12 -204.16 -430.40	496.62
26 56	13 00-0409	EA	35' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	3,320.97 230.09 460.18 -117.54 -212.07 -447.14	510.04
26 56	13 00-0410	EA	37' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	3,385.53 233.86 467.72 -119.72 -216.05 -455.48	523.47
26 56	13 00-0411	EA	39' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	3,591.82 251.81 503.61 -127.57 -229.95 -485.08	536.89
26 56	13 00-0412	EA	28' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	2,659.23 174.65 349.30 -92.68 -167.89 -353.25	456.36
26 56	13 00-0413	EA	30' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	2,862.64 189.63 379.25 -100.01 -181.06 -381.08	483.20
26 56	13 00-0414	EA	33' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	2,940.93 194.77 389.54 -102.74 -186.00 -391.48	496.62
26 56	13 00-0415	EA	35' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	3,150.66 213.06 426.11 -110.73 -200.14 -421.59	510.04
26 56	13 00-0416	EA	37' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	3,250.65 220.37 440.74 -114.32 -206.61 -435.25	523.47
26 56	13 00-0417	EA	39' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	3,458.09 238.43 476.86 -122.22 -220.59 -465.03	536.89
26 56	13 00-0418	EA	28' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	3,374.75 246.20 492.41 -121.30 -217.98 -460.58	456.36



<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Lighting</b>	<b>26 50</b>	
<b>Exterior Lighting</b>	<b>26 56</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0419 EA 30' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	3,567.88 260.15 520.30 -128.22 -230.42 -486.86	483.20
26 56 13 00-0420 EA 33' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	3,730.75 273.75 547.50 -134.33 -241.29 -509.95	496.62
26 56 13 00-0421 EA 35' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	3,986.20 296.61 593.22 -144.15 -258.63 -546.93	510.04
26 56 13 00-0422 EA 37' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	4,038.19 299.13 598.25 -145.82 -261.73 -553.38	523.47
26 56 13 00-0423 EA 39' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	4,292.49 321.87 643.74 -155.59 -279.00 -590.19	536.89
26 56 13 00-0424 EA 48' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	5,358.59 374.79 749.59 -190.18 -342.89 -723.26	805.32
26 56 13 00-0425 EA 50' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	5,500.32 388.97 777.93 -195.85 -352.81 -744.52	805.32
<b>26 56 13 00-0426 Round Tapered, Aluminum Area Light Poles, Hinged Anchor Base (26 56 13 00-0354)</b>		
26 56 13 00-0427 EA 8' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base ..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	891.35 85.38 -30.82 -55.95 -117.60	161.07
26 56 13 00-0428 EA 10' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base ..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	969.04 88.98 -33.12 -60.32 -126.57	187.91
26 56 13 00-0429 EA 12' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base ..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,047.88 92.76 -35.47 -64.76 -135.71	214.75
26 56 13 00-0430 EA 14' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base ..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,129.00 96.87 -37.91 -69.37 -145.19	241.60
26 56 13 00-0431 EA 16' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base ..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,208.98 100.81 -40.31 -73.89 -154.50	268.44
26 56 13 00-0432 EA 10' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base ..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	982.76 91.04 -33.67 -61.28 -128.62	187.91
26 56 13 00-0433 EA 12' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base ..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,063.88 95.16 -36.11 -65.88 -138.11	214.75
26 56 13 00-0434 EA 14' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base ..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,147.29 99.61 -38.64 -70.65 -147.93	241.60

**26 Electrical**  
**26 50 Lighting**  
**26 56 Exterior Lighting**



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0435	EA	16' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base ..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,229.55 103.90 -41.13 -75.33 -157.59	268.44
26 56 13 00-0436	EA	18' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base ..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,326.67 110.42 -44.21 -81.06 -169.47	295.29
26 56 13 00-0437	EA	20' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base ..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,413.52 115.39 -46.88 -86.06 -179.81	322.13
26 56 13 00-0438	EA	12' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base ..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,108.46 101.84 -37.90 -69.00 -144.79	214.75
26 56 13 00-0439	EA	14' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base ..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,197.58 107.16 -40.66 -74.17 -155.48	241.60
26 56 13 00-0440	EA	16' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base ..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,300.42 114.53 -43.96 -80.29 -168.22	268.44
26 56 13 00-0441	EA	18' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base ..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,391.82 120.19 -46.81 -85.62 -179.24	295.29
26 56 13 00-0442	EA	20' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base ..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,498.10 128.07 -50.26 -91.98 -192.50	322.13
26 56 13 00-0443	EA	16' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base ..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,365.57 124.30 -46.57 -84.85 -177.99	268.44
26 56 13 00-0444	EA	18' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base ..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,479.83 133.39 -50.33 -91.78 -192.45	295.29
26 56 13 00-0445	EA	20' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base ..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,568.97 138.71 -53.09 -96.94 -203.13	322.13
26 56 13 00-0446	EA	12' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base ..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,143.89 107.16 -39.31 -71.48 -150.11	214.75
26 56 13 00-0447	EA	14' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base ..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,251.30 115.22 -42.80 -77.93 -163.54	241.60
26 56 13 00-0448	EA	16' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base ..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,365.57 124.30 -46.57 -84.85 -177.99	268.44
26 56 13 00-0449	EA	18' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base ..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,466.12 131.33 -49.79 -90.82 -190.39	295.29
26 56 13 00-0450	EA	20' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base ..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,574.68 139.56 -53.32 -97.34 -203.99	322.13
26 56 13 00-0451	EA	16' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base ..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,439.87 135.45 -49.54 -90.05 -189.14	268.44



<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Lighting</b>	<b>26 50</b>	
<b>Exterior Lighting</b>	<b>26 56</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0452 EA 18' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base .....	1,563.27	295.29
For Bronze, Satin Or Black Anodized Finish, Add	145.91	
For >10 To 20, Deduct	-53.67	
For >20 To 40, Deduct	-97.62	
For >40, Deduct	-204.96	
26 56 13 00-0453 EA 20' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base .....	1,658.12	322.13
For Bronze, Satin Or Black Anodized Finish, Add	152.08	
For >10 To 20, Deduct	-56.66	
For >20 To 40, Deduct	-103.18	
For >40, Deduct	-216.50	
<b>26 56 13 00-0454 Round Tapered, Aluminum Area Light Poles, Direct Burial (26 56 13 00-0354)</b>		
Note: Includes rubberized undercoating on embedded portion.		
26 56 13 00-0455 EA 8' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial .....	606.77	134.22
For Bronze Or Satin Anodized Finish, Add	33.83	
For Black Anodized Finish, Add	67.67	
For >10 To 20, Deduct	-20.24	
For >20 To 40, Deduct	-37.11	
For >40, Deduct	-77.59	
26 56 13 00-0456 EA 10' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial .....	638.78	134.22
For Bronze Or Satin Anodized Finish, Add	37.03	
For Black Anodized Finish, Add	74.07	
For >10 To 20, Deduct	-21.52	
For >20 To 40, Deduct	-39.35	
For >40, Deduct	-82.40	
26 56 13 00-0457 EA 12' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial .....	691.91	147.65
For Bronze Or Satin Anodized Finish, Add	39.66	
For Black Anodized Finish, Add	79.32	
For >10 To 20, Deduct	-23.25	
For >20 To 40, Deduct	-42.53	
For >40, Deduct	-89.02	
26 56 13 00-0458 EA 14' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial .....	737.04	161.07
For Bronze Or Satin Anodized Finish, Add	41.49	
For Black Anodized Finish, Add	82.98	
For >10 To 20, Deduct	-24.65	
For >20 To 40, Deduct	-45.15	
For >40, Deduct	-94.45	
26 56 13 00-0459 EA 16' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial .....	778.19	161.07
For Bronze Or Satin Anodized Finish, Add	45.61	
For Black Anodized Finish, Add	91.21	
For >10 To 20, Deduct	-26.30	
For >20 To 40, Deduct	-48.03	
For >40, Deduct	-100.62	
26 56 13 00-0460 EA 12' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial .....	722.78	147.65
For Bronze Or Satin Anodized Finish, Add	42.75	
For Black Anodized Finish, Add	85.50	
For >10 To 20, Deduct	-24.48	
For >20 To 40, Deduct	-44.69	
For >40, Deduct	-93.65	
26 56 13 00-0461 EA 14' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial .....	781.62	161.07
For Bronze Or Satin Anodized Finish, Add	45.95	
For Black Anodized Finish, Add	91.90	
For >10 To 20, Deduct	-26.43	
For >20 To 40, Deduct	-48.27	
For >40, Deduct	-101.14	
26 56 13 00-0462 EA 16' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial .....	804.48	161.07
For Bronze Or Satin Anodized Finish, Add	48.24	
For Black Anodized Finish, Add	96.47	
For >10 To 20, Deduct	-27.35	
For >20 To 40, Deduct	-49.87	
For >40, Deduct	-104.57	
26 56 13 00-0463 EA 18' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial .....	867.91	174.49
For Bronze Or Satin Anodized Finish, Add	51.89	
For Black Anodized Finish, Add	103.79	
For >10 To 20, Deduct	-29.48	
For >20 To 40, Deduct	-53.77	
For >40, Deduct	-112.74	
26 56 13 00-0464 EA 20' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial .....	926.75	187.91
For Bronze Or Satin Anodized Finish, Add	55.09	
For Black Anodized Finish, Add	110.19	
For >10 To 20, Deduct	-31.43	
For >20 To 40, Deduct	-57.36	
For >40, Deduct	-120.22	
26 56 13 00-0465 EA 16' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial .....	870.77	161.07
For Bronze Or Satin Anodized Finish, Add	54.86	
For Black Anodized Finish, Add	109.73	
For >10 To 20, Deduct	-30.00	
For >20 To 40, Deduct	-54.51	
For >40, Deduct	-114.51	
26 56 13 00-0466 EA 18' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial .....	941.06	174.49
For Bronze Or Satin Anodized Finish, Add	59.21	
For Black Anodized Finish, Add	118.42	
For >10 To 20, Deduct	-32.41	
For >20 To 40, Deduct	-58.89	
For >40, Deduct	-123.71	

**26 Electrical**  
**26 50 Lighting**  
**26 56 Exterior Lighting**



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0467	EA	20' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,005.62 62.98 125.96 -34.59 -62.88 -132.05	187.91
26 56 13 00-0468	EA	18' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,034.79 68.58 137.16 -36.16 -65.46 -137.77	174.49
26 56 13 00-0469	EA	25' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,329.06 89.96 179.91 -46.72 -84.44 -177.88	214.75
26 56 13 00-0470	EA	25' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Direct Burial ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,458.22 102.87 205.74 -51.89 -93.49 -197.26	214.75
26 56 13 00-0471	EA	30' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,622.78 113.96 227.92 -57.66 -103.93 -219.26	241.60
26 56 13 00-0472	EA	30' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,763.37 128.02 256.03 -63.29 -113.77 -240.35	241.60
26 56 13 00-0473		Square Straight, Aluminum Area Light Poles <small>(26 56 13 00-0294)</small>		
26 56 13 00-0474		Square Straight, Aluminum Area Light Poles, Anchor Base <small>(26 56 13 00-0473)</small>		
26 56 13 00-0475	EA	8' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	794.19 47.21 94.41 -26.94 -49.15 -103.02	161.07
26 56 13 00-0476	EA	10' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	871.89 49.61 99.21 -29.24 -53.52 -111.99	187.91
26 56 13 00-0477	EA	12' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	958.72 52.92 105.84 -31.91 -58.52 -122.33	214.75
26 56 13 00-0478	EA	14' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,044.42 56.12 112.24 -34.53 -63.45 -132.50	241.60
26 56 13 00-0479	EA	15' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,091.83 58.18 116.36 -36.02 -66.23 -138.27	255.02
26 56 13 00-0480	EA	16' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,139.26 60.24 120.47 -37.52 -69.01 -144.04	268.44
26 56 13 00-0481	EA	18' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,231.80 64.12 128.25 -40.41 -74.41 -155.24	295.29



<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Lighting</b>	<b>26 50</b>	
<b>Exterior Lighting</b>	<b>26 56</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0482 EA 20' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,334.65 69.04 138.08 -43.72 -80.54 -167.98	322.13
26 56 13 00-0483 EA 16' High, 4" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,218.12 68.12 136.25 -40.67 -74.53 -155.87	268.44
26 56 13 00-0484 EA 18' High, 4" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,312.95 72.24 144.48 -43.66 -80.10 -167.41	295.29
26 56 13 00-0485 EA 20' High, 4" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,422.66 77.84 155.68 -47.24 -86.70 -181.19	322.13
26 56 13 00-0486 EA 15' High, 5" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,434.74 92.47 184.94 -49.74 -90.23 -189.71	255.02
26 56 13 00-0487 EA 20' High, 5" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,750.70 110.64 221.29 -60.36 -109.66 -230.39	322.13
26 56 13 00-0488 EA 25' High, 5" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	2,108.33 124.93 249.86 -71.45 -130.40 -273.30	429.51
26 56 13 00-0489 EA 20' High, 4" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,493.53 84.93 169.85 -50.08 -91.66 -191.82	322.13
26 56 13 00-0490 EA 20' High, 5" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,889.01 124.47 248.95 -65.90 -119.35 -251.14	322.13
26 56 13 00-0491 EA 25' High, 5" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	2,234.06 137.50 275.01 -76.48 -139.20 -292.16	429.51
26 56 13 00-0492 EA 20' High, 6" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	2,106.18 146.19 292.38 -74.58 -134.55 -283.71	322.13
26 56 13 00-0493 EA 25' High, 6" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	2,517.53 165.85 331.70 -87.82 -159.05 -334.68	429.51
26 56 13 00-0494 EA 30' High, 6" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	2,919.79 195.34 390.68 -102.30 -185.06 -389.65	483.20

26 56 13 00-0495 Square Straight, Aluminum Area Light Poles, Direct Burial (26 56 13 00-0473)  
Note: Includes rubberized undercoating on embedded portion.

**26 Electrical**  
**26 50 Lighting**  
**26 56 Exterior Lighting**



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0496	EA	10' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Direct Burial	718.79	134.22
		<i>For Bronze Or Satin Anodized Finish, Add</i>	45.04	
		<i>For Black Anodized Finish, Add</i>	90.07	
		<i>For &gt;10 To 20, Deduct</i>	-24.73	
		<i>For &gt;20 To 40, Deduct</i>	-44.95	
		<i>For &gt;40, Deduct</i>	-94.40	
26 56 13 00-0497	EA	12' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Direct Burial	803.93	147.65
		<i>For Bronze Or Satin Anodized Finish, Add</i>	50.86	
		<i>For Black Anodized Finish, Add</i>	101.73	
		<i>For &gt;10 To 20, Deduct</i>	-27.73	
		<i>For &gt;20 To 40, Deduct</i>	-50.37	
		<i>For &gt;40, Deduct</i>	-105.83	
26 56 13 00-0498	EA	14' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Direct Burial	854.77	161.07
		<i>For Bronze Or Satin Anodized Finish, Add</i>	53.26	
		<i>For Black Anodized Finish, Add</i>	106.53	
		<i>For &gt;10 To 20, Deduct</i>	-29.36	
		<i>For &gt;20 To 40, Deduct</i>	-53.39	
		<i>For &gt;40, Deduct</i>	-112.11	
26 56 13 00-0499	EA	15' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Direct Burial	883.35	161.07
		<i>For Bronze Or Satin Anodized Finish, Add</i>	56.12	
		<i>For Black Anodized Finish, Add</i>	112.24	
		<i>For &gt;10 To 20, Deduct</i>	-30.50	
		<i>For &gt;20 To 40, Deduct</i>	-55.39	
		<i>For &gt;40, Deduct</i>	-116.40	
26 56 13 00-0500	EA	16' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Direct Burial	918.78	161.07
		<i>For Bronze Or Satin Anodized Finish, Add</i>	59.67	
		<i>For Black Anodized Finish, Add</i>	119.33	
		<i>For &gt;10 To 20, Deduct</i>	-31.92	
		<i>For &gt;20 To 40, Deduct</i>	-57.87	
		<i>For &gt;40, Deduct</i>	-121.71	
26 56 13 00-0501	EA	18' High, 4" OD, 0.188", Square Straight, Aluminum Area Light Pole, Direct Burial	1,066.79	174.49
		<i>For Bronze Or Satin Anodized Finish, Add</i>	71.78	
		<i>For Black Anodized Finish, Add</i>	143.56	
		<i>For &gt;10 To 20, Deduct</i>	-37.44	
		<i>For &gt;20 To 40, Deduct</i>	-67.70	
		<i>For &gt;40, Deduct</i>	-142.57	
26 56 13 00-0502	EA	20' High, 4" OD, 0.188", Square Straight, Aluminum Area Light Pole, Direct Burial	1,142.78	187.91
		<i>For Bronze Or Satin Anodized Finish, Add</i>	76.70	
		<i>For Black Anodized Finish, Add</i>	153.39	
		<i>For &gt;10 To 20, Deduct</i>	-40.07	
		<i>For &gt;20 To 40, Deduct</i>	-72.48	
		<i>For &gt;40, Deduct</i>	-152.63	
26 56 13 00-0503	EA	20' High, 5" OD, 0.188", Square Straight, Aluminum Area Light Pole, Direct Burial	1,322.23	187.91
		<i>For Bronze Or Satin Anodized Finish, Add</i>	94.64	
		<i>For Black Anodized Finish, Add</i>	189.28	
		<i>For &gt;10 To 20, Deduct</i>	-47.25	
		<i>For &gt;20 To 40, Deduct</i>	-85.04	
		<i>For &gt;40, Deduct</i>	-179.54	
26 56 13 00-0504	EA	25' High, 5" OD, 0.188", Square Straight, Aluminum Area Light Pole, Direct Burial	1,519.94	214.75
		<i>For Bronze Or Satin Anodized Finish, Add</i>	109.04	
		<i>For Black Anodized Finish, Add</i>	218.09	
		<i>For &gt;10 To 20, Deduct</i>	-54.35	
		<i>For &gt;20 To 40, Deduct</i>	-97.81	
		<i>For &gt;40, Deduct</i>	-206.52	
26 56 13 00-0505	EA	25' High, 6" OD, 0.250", Square Straight, Aluminum Area Light Pole, Direct Burial	1,921.14	214.75
		<i>For Bronze Or Satin Anodized Finish, Add</i>	149.16	
		<i>For Black Anodized Finish, Add</i>	298.33	
		<i>For &gt;10 To 20, Deduct</i>	-70.40	
		<i>For &gt;20 To 40, Deduct</i>	-125.89	
		<i>For &gt;40, Deduct</i>	-266.70	
26 56 13 00-0506		<b>Factory Accessories For Aluminum Area Light Poles</b> <small>(26 56 13 00-0294)</small>		
26 56 13 00-0507	EA	1/2", 3/4" Or 1" Factory Threaded Pipe Coupling Or Nipple For Aluminum Area Light Poles	89.41	
26 56 13 00-0508	EA	Extra Handhole For Aluminum Area Light Poles	42.60	
26 56 13 00-0509	EA	Vibration Dampener For Aluminum Area Light Poles	135.26	
26 56 13 00-0510		<b>Fiberglass Area Light Poles</b> <small>(26 56 13 00-0177)</small>		
		Note: Includes UV resistant textured weave finish, anchor bolts, base cover, reinforced handhole with cover and grounding provisions and tenon top.		
26 56 13 00-0511		<b>Round Tapered, Fiberglass Area Light Poles</b> <small>(26 56 13 00-0510)</small>		
26 56 13 00-0512		<b>Round Tapered, Fiberglass Area Light Poles, Anchor Base</b> <small>(26 56 13 00-0511)</small>		
26 56 13 00-0513	EA	10' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,225.52	187.91
		<i>For &gt;10 To 20, Deduct</i>	-43.38	
		<i>For &gt;20 To 40, Deduct</i>	-78.27	
		<i>For &gt;40, Deduct</i>	-165.04	
26 56 13 00-0514	EA	12' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,329.79	214.75
		<i>For &gt;10 To 20, Deduct</i>	-46.75	
		<i>For &gt;20 To 40, Deduct</i>	-84.50	
		<i>For &gt;40, Deduct</i>	-177.99	





<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Lighting</b>	<b>26 50</b>	
<b>Exterior Lighting</b>	<b>26 56</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0515 EA 14' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,435.50 -50.17 -90.82 -191.17	241.60
26 56 13 00-0516 EA 16' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,539.77 -53.54 -97.05 -204.12	268.44
26 56 13 00-0517 EA 18' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,670.04 -57.94 -105.09 -220.98	295.29
26 56 13 00-0518 EA 20' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,777.20 -61.42 -111.52 -234.37	322.13
26 56 13 00-0519 EA 22' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,936.60 -66.19 -120.53 -252.91	375.82
26 56 13 00-0520 EA 24' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	2,094.55 -70.90 -129.44 -271.23	429.51
26 56 13 00-0521 EA 26' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	2,211.61 -75.58 -137.63 -288.79	429.51
26 56 13 00-0522 EA 28' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	2,367.90 -81.03 -147.50 -309.55	456.36
26 56 13 00-0523 EA 30' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	2,524.18 -86.47 -157.36 -330.31	483.20
26 56 13 00-0524 EA 10' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,358.47 -48.70 -87.58 -184.98	187.91
26 56 13 00-0525 EA 12' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,436.72 -51.03 -91.98 -194.03	214.75
26 56 13 00-0526 EA 14' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,516.43 -53.41 -96.49 -203.30	241.60
26 56 13 00-0527 EA 16' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,599.02 -55.91 -101.19 -213.01	268.44
26 56 13 00-0528 EA 18' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,688.82 -58.69 -106.41 -223.79	295.29
26 56 13 00-0529 EA 20' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,777.20 -61.42 -111.52 -234.37	322.13
26 56 13 00-0530 EA 22' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,919.26 -65.50 -119.32 -250.31	375.82
26 56 13 00-0531 EA 24' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	2,094.55 -70.90 -129.44 -271.23	429.51
26 56 13 00-0532 EA 26' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	2,143.69 -72.86 -132.88 -278.60	429.51
26 56 13 00-0533 EA 28' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	2,247.95 -76.23 -139.10 -291.56	456.36
26 56 13 00-0534 EA 30' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	2,352.21 -79.59 -145.33 -304.51	483.20
26 56 13 00-0535 EA 10' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base..... <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,553.55 -56.50 -101.23 -214.24	187.91

**26 Electrical**  
**26 50 Lighting**  
**26 56 Exterior Lighting**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56	13 00-0536	EA	12' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,652.04	214.75
			<i>For &gt;10 To 20, Deduct</i>	-59.64	
			<i>For &gt;20 To 40, Deduct</i>	-107.05	
			<i>For &gt;40, Deduct</i>	-226.33	
26 56	13 00-0537	EA	14' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,750.53	241.60
			<i>For &gt;10 To 20, Deduct</i>	-62.77	
			<i>For &gt;20 To 40, Deduct</i>	-112.87	
			<i>For &gt;40, Deduct</i>	-238.42	
26 56	13 00-0538	EA	16' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,850.46	268.44
			<i>For &gt;10 To 20, Deduct</i>	-65.97	
			<i>For &gt;20 To 40, Deduct</i>	-118.79	
			<i>For &gt;40, Deduct</i>	-250.72	
26 56	13 00-0539	EA	18' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,956.16	295.29
			<i>For &gt;10 To 20, Deduct</i>	-69.39	
			<i>For &gt;20 To 40, Deduct</i>	-125.12	
			<i>For &gt;40, Deduct</i>	-263.90	
26 56	13 00-0540	EA	20' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	2,070.55	322.13
			<i>For &gt;10 To 20, Deduct</i>	-73.16	
			<i>For &gt;20 To 40, Deduct</i>	-132.05	
			<i>For &gt;40, Deduct</i>	-278.37	
26 56	13 00-0541	EA	22' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	2,251.62	375.82
			<i>For &gt;10 To 20, Deduct</i>	-78.79	
			<i>For &gt;20 To 40, Deduct</i>	-142.58	
			<i>For &gt;40, Deduct</i>	-300.16	
26 56	13 00-0542	EA	24' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	2,434.15	429.51
			<i>For &gt;10 To 20, Deduct</i>	-84.48	
			<i>For &gt;20 To 40, Deduct</i>	-153.21	
			<i>For &gt;40, Deduct</i>	-322.17	
26 56	13 00-0543	EA	26' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	2,509.29	429.51
			<i>For &gt;10 To 20, Deduct</i>	-87.49	
			<i>For &gt;20 To 40, Deduct</i>	-158.47	
			<i>For &gt;40, Deduct</i>	-333.44	
26 56	13 00-0544	EA	28' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	2,681.48	456.36
			<i>For &gt;10 To 20, Deduct</i>	-93.57	
			<i>For &gt;20 To 40, Deduct</i>	-169.45	
			<i>For &gt;40, Deduct</i>	-356.59	
26 56	13 00-0545	EA	30' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	2,820.41	483.20
			<i>For &gt;10 To 20, Deduct</i>	-98.32	
			<i>For &gt;20 To 40, Deduct</i>	-178.10	
			<i>For &gt;40, Deduct</i>	-374.74	
26 56	13 00-0546	EA	32' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	2,932.52	496.62
			<i>For &gt;10 To 20, Deduct</i>	-102.40	
			<i>For &gt;20 To 40, Deduct</i>	-185.41	
			<i>For &gt;40, Deduct</i>	-390.22	
26 56	13 00-0547	EA	34' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	3,044.63	510.04
			<i>For &gt;10 To 20, Deduct</i>	-106.48	
			<i>For &gt;20 To 40, Deduct</i>	-192.72	
			<i>For &gt;40, Deduct</i>	-405.69	
26 56	13 00-0548		<b>Round Tapered, Fiberglass Area Light Poles, Direct Burial (26 56 13 00-0511)</b>		
26 56	13 00-0549	EA	10' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	753.98	134.22
			<i>For &gt;10 To 20, Deduct</i>	-26.13	
			<i>For &gt;20 To 40, Deduct</i>	-47.41	
			<i>For &gt;40, Deduct</i>	-99.68	
26 56	13 00-0550	EA	12' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	808.29	147.65
			<i>For &gt;10 To 20, Deduct</i>	-27.90	
			<i>For &gt;20 To 40, Deduct</i>	-50.67	
			<i>For &gt;40, Deduct</i>	-106.48	
26 56	13 00-0551	EA	14' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	861.14	161.07
			<i>For &gt;10 To 20, Deduct</i>	-29.61	
			<i>For &gt;20 To 40, Deduct</i>	-53.84	
			<i>For &gt;40, Deduct</i>	-113.06	
26 56	13 00-0552	EA	16' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	885.71	161.07
			<i>For &gt;10 To 20, Deduct</i>	-30.60	
			<i>For &gt;20 To 40, Deduct</i>	-55.56	
			<i>For &gt;40, Deduct</i>	-116.75	
26 56	13 00-0553	EA	18' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	953.02	174.49
			<i>For &gt;10 To 20, Deduct</i>	-32.89	
			<i>For &gt;20 To 40, Deduct</i>	-59.73	
			<i>For &gt;40, Deduct</i>	-125.50	
26 56	13 00-0554	EA	20' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,008.76	187.91
			<i>For &gt;10 To 20, Deduct</i>	-34.71	
			<i>For &gt;20 To 40, Deduct</i>	-63.10	
			<i>For &gt;40, Deduct</i>	-132.52	
26 56	13 00-0555	EA	22' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,068.84	201.33
			<i>For &gt;10 To 20, Deduct</i>	-36.71	
			<i>For &gt;20 To 40, Deduct</i>	-66.77	
			<i>For &gt;40, Deduct</i>	-140.19	
26 56	13 00-0556	EA	24' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,136.15	214.75
			<i>For &gt;10 To 20, Deduct</i>	-39.00	
			<i>For &gt;20 To 40, Deduct</i>	-70.94	
			<i>For &gt;40, Deduct</i>	-148.95	



<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Lighting</b>	<b>26 50</b>	
<b>Exterior Lighting</b>	<b>26 56</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0557 EA 26' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial..... <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,274.88 -44.55 -80.65 -169.76	214.75
26 56 13 00-0558 EA 28' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial..... <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,440.45 -50.77 -91.70 -193.25	228.17
26 56 13 00-0559 EA 30' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial..... <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,606.02 -56.99 -102.76 -216.74	241.60
26 56 13 00-0560 EA 10' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial..... <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	886.93 -31.45 -56.72 -119.62	134.22
26 56 13 00-0561 EA 12' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial..... <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	948.46 -33.51 -60.49 -127.50	147.65
26 56 13 00-0562 EA 14' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial..... <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,009.98 -35.57 -64.26 -135.39	161.07
26 56 13 00-0563 EA 16' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial..... <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,046.11 -37.01 -66.79 -140.81	161.07
26 56 13 00-0564 EA 18' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial..... <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,107.64 -39.07 -70.56 -148.70	174.49
26 56 13 00-0565 EA 20' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial..... <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,169.16 -41.13 -74.32 -156.58	187.91
26 56 13 00-0566 EA 22' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial..... <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,230.69 -43.19 -78.10 -164.47	201.33
26 56 13 00-0567 EA 24' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial..... <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,325.45 -46.58 -84.19 -177.34	214.75
26 56 13 00-0568 EA 26' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial..... <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,459.84 -51.95 -93.60 -197.50	214.75
26 56 13 00-0569 EA 28' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial..... <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,622.53 -58.06 -104.45 -220.56	228.17
26 56 13 00-0570 EA 30' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial..... <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,783.76 -64.10 -115.20 -243.40	241.60
26 56 13 00-0571 EA 10' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial..... <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,003.98 -36.13 -64.91 -137.18	134.22
26 56 13 00-0572 EA 12' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial..... <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,056.84 -37.84 -68.07 -143.76	147.65
26 56 13 00-0573 EA 14' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial..... <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,108.25 -39.50 -71.13 -150.13	161.07
26 56 13 00-0574 EA 16' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial..... <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,132.81 -40.48 -72.85 -153.82	161.07
26 56 13 00-0575 EA 18' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial..... <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,184.23 -42.13 -75.92 -160.19	174.49
26 56 13 00-0576 EA 20' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial..... <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,237.08 -43.85 -79.08 -166.77	187.91
26 56 13 00-0577 EA 22' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial..... <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,339.07 -47.52 -85.68 -180.73	201.33



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0578 EA 24' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,458.40	214.75
For >10 To 20, Deduct	-51.89	
For >20 To 40, Deduct	-93.50	
For >40, Deduct	-197.28	
26 56 13 00-0579 EA 26' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,542.21	214.75
For >10 To 20, Deduct	-55.25	
For >20 To 40, Deduct	-99.36	
For >40, Deduct	-209.86	
26 56 13 00-0580 EA 28' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,654.32	228.17
For >10 To 20, Deduct	-59.33	
For >20 To 40, Deduct	-106.68	
For >40, Deduct	-225.33	
26 56 13 00-0581 EA 30' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,766.42	241.60
For >10 To 20, Deduct	-63.41	
For >20 To 40, Deduct	-113.99	
For >40, Deduct	-240.80	
<b>26 56 13 00-0582 Factory Accessories For Fiberglass Area Light Poles (26 56 13 00-0510)</b>		
26 56 13 00-0583 EA Open Or Capped Top For Fiberglass Area Light Poles.....	51.23	
26 56 13 00-0584 EA Factory Side Drilling Up To Four Fixtures On Fiberglass Area Light Poles.....	51.23	
26 56 13 00-0585 EA Smooth Shaft Finish For Fiberglass Area Light Poles.....	97.21	
26 56 13 00-0586 EA Vibration Dampener For Fiberglass Area Light Poles.....	128.74	
<b>26 56 13 00-0587 Concrete Area Light Poles (26 56 13 00-0177)</b>		
<b>26 56 13 00-0588 Octagonal Tapered, Spun Concrete Area Light Poles, Anchor Base (26 56 13 00-0587)</b>		
26 56 13 00-0589 EA 28' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base.....	2,162.36	456.36
26 56 13 00-0590 EA 30' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base.....	2,278.53	483.20
26 56 13 00-0591 EA 33' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base.....	2,366.41	496.62
26 56 13 00-0592 EA 36' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base.....	3,009.08	510.04
26 56 13 00-0593 EA 38' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base.....	3,361.10	536.89
26 56 13 00-0594 EA 43' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base.....	4,139.37	697.95
26 56 13 00-0595 EA 47' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base.....	4,944.76	859.02
26 56 13 00-0596 EA 27' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base.....	5,027.02	456.36
Note: Polished brown with acrylic coating finish.		
26 56 13 00-0597 EA 30' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base.....	5,828.77	483.20
Note: Polished brown with acrylic coating finish.		
26 56 13 00-0598 EA Pole Adapter Base Plate, Galvanized Steel, 1" Thick For Adapting Up To 40'.....	620.54	161.07
26 56 13 00-0599 EA 13' High Concrete Octagonal Area Light Pole, Pink With Acrylic Coating, Finish Design.....	3,019.57	322.02
26 56 13 00-0600 EA Pole Base Cover For All Octagon Poles.....	239.40	65.72
26 56 13 00-0601 EA Pole Arms 24" Long, Square, 250 Watt Fixture, Dark, Architectural Bronze.....	492.88	131.43
<b>26 56 13 00-0602 Tapered, Spun Concrete Area Light Poles, Direct Burial (26 56 13 00-0587)</b>		
Note: Round or square.		
26 56 13 00-0603 EA 13' High, Tapered, Spun Concrete Area Light Pole, Direct Burial.....	2,493.79	214.75
26 56 13 00-0604 EA 16' High, Tapered, Spun Concrete Area Light Pole, Direct Burial.....	2,801.94	268.44
26 56 13 00-0605 EA 18' High, Tapered, Spun Concrete Area Light Pole, Direct Burial.....	3,078.02	322.13
26 56 13 00-0606 EA 30' High, Tapered, Spun Concrete Area Light Pole, Direct Burial.....	4,267.50	483.20
26 56 13 00-0607 EA 35' High, Tapered, Spun Concrete Area Light Pole, Direct Burial.....	4,950.35	510.04
26 56 13 00-0608 EA 40' High, Tapered, Spun Concrete Area Light Pole, Direct Burial.....	5,690.04	536.89
26 56 13 00-0609 EA 45' High, Tapered, Spun Concrete Area Light Pole, Direct Burial.....	6,549.21	697.95
<b>26 56 13 00-0610 Round Tapered, Spun Concrete Area Light Poles, Direct Burial (26 56 13 00-0587)</b>		
26 56 13 00-0611 EA 60' High, Round Tapered, Spun Concrete Area Light Pole, Direct Burial (Lithonia SPRTC C2 60 9-22).....	17,914.17	1,208.00
26 56 13 00-0612 EA 70' High, Round Tapered, Spun Concrete Area Light Pole, Direct Burial (Lithonia SPRTC C2 70 9-24).....	21,356.29	1,477.12
26 56 13 00-0613 EA 80' High, Round Tapered, Spun Concrete Area Light Pole, Direct Burial (Lithonia SPRTC C1 80 9-26).....	25,292.58	1,995.41
<b>26 56 13 00-0614 Treated Wood Area Light Poles (26 56 13 00-0177)</b>		
See CSI section 26 05 46 00-0001 for wood poles.		
<b>26 56 13 00-0615 Cast Iron Decorative Light Posts (26 56 13 00-0177)</b>		
<b>26 56 13 00-0616 Round Tapered, Cast Iron Decorative Light Post, Anchor Base (26 56 13 00-0615)</b>		
Note: As manufactured by Hadco and King Luminaries or an approved equal.		
26 56 13 00-0617 EA 10' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base.....	1,854.84	134.22
26 56 13 00-0618 EA 12' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base.....	1,937.78	154.62
26 56 13 00-0619 EA 14' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base.....	2,110.58	161.07
26 56 13 00-0620 EA 16' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base.....	2,607.16	187.91
26 56 13 00-0621 EA 18' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base.....	3,066.72	204.01
26 56 13 00-0622 EA 20' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base.....	3,549.58	220.13
<b>26 56 13 00-0623 Landscape Light Poles (26 56 13 00-0001)</b>		
Note: Excludes lighting fixtures.		
<b>26 56 13 00-0624 Aluminum Landscape Light Poles (26 56 13 00-0623)</b>		
Note: Includes painted finish.		



<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Lighting</b>	<b>26 50</b>	
<b>Exterior Lighting</b>	<b>26 56</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0625 Round Straight, Aluminum Landscape Light Poles (26 56 13 00-0624)		
26 56 13 00-0626 Round Straight, Aluminum Landscape Light Poles, Anchor Base (26 56 13 00-0625)		
26 56 13 00-0627 EA 7' High, 3" OD, Round Straight, Aluminum Landscape Light Pole, Anchor Base .....	423.85	161.07
26 56 13 00-0628 EA 12' High, 3" OD, Round Straight, Aluminum Landscape Light Pole, Anchor Base .....	751.43	214.75
26 56 13 00-0629 Round Straight, Aluminum Landscape Light Poles, Direct Burial (26 56 13 00-0625)		
26 56 13 00-0630 EA 7' High, 3" OD, Round Straight, Aluminum Landscape Light Pole, Direct Burial .....	375.98	161.07
26 56 13 00-0631 EA 12' High, 3" OD, Round Straight, Aluminum Landscape Light Pole, Direct Burial .....	703.56	214.75
26 56 13 00-0632 Steel Landscape Light Poles (26 56 13 00-0623)		
Note: Includes painted finish.		
26 56 13 00-0633 Round Straight, Steel Landscape Light Poles (26 56 13 00-0632)		
26 56 13 00-0634 Round Straight, Steel Landscape Light Poles, Anchor Base (26 56 13 00-0633)		
26 56 13 00-0635 EA 6'-8" High, 3" OD, Round Straight, Steel Landscape Light Pole, Anchor Base .....	474.77	161.07
26 56 13 00-0636 Round Straight, Steel Landscape Light Poles, Direct Burial (26 56 13 00-0633)		
26 56 13 00-0637 EA 6'-8" High, 3" OD, Round Straight, Steel Landscape Light Pole, Direct Burial .....	440.58	161.07
26 56 13 00-0638 Light Pole Brackets And Arms (26 56 13 00-0001)		
26 56 13 00-0639 Light Pole Brackets (26 56 13 00-0638)		
26 56 13 00-0640 Bullhorn Style, Pole Top Area Light Brackets (26 56 13 00-0639)		
26 56 13 00-0641 Round Bullhorn Style, Pole Top Area Light Brackets (26 56 13 00-0640)		
26 56 13 00-0642 Steel, Round Bullhorn Style, Pole Top Area Light Brackets (26 56 13 00-0641)		
Note: Includes powdercoat finish.		
26 56 13 00-0643 EA Two Tenons At 180 Degrees, Steel, Round Bullhorn Style, Pole Top Area Light Bracket .....	676.55	32.22
For Galvanized Finish, Add	61.21	
26 56 13 00-0644 EA Three Tenons At 180 Degrees, Steel, Round Bullhorn Style, Pole Top Area Light Bracket .....	861.23	32.22
For Galvanized Finish, Add	79.68	
26 56 13 00-0645 EA Three Tenons At 120 Degrees, Steel, Round Bullhorn Style, Pole Top Area Light Bracket .....	917.61	32.22
For Galvanized Finish, Add	85.32	
26 56 13 00-0646 EA Four Tenons At 90 Degrees, Steel, Round Bullhorn Style, Pole Top Area Light Bracket .....	1,265.59	32.22
For Galvanized Finish, Add	120.12	
26 56 13 00-0647 EA Four Tenons At 180 Degrees, Steel, Round Bullhorn Style, Pole Top Area Light Bracket .....	1,319.78	32.22
For Galvanized Finish, Add	125.54	
26 56 13 00-0648 Aluminum, Round Bullhorn Style, Pole Top Area Light Brackets (26 56 13 00-0641)		
Note: Includes satin brushed or painted finish.		
26 56 13 00-0649 EA Two Tenons At 180 Degrees, Aluminum, Round Bullhorn Style, Pole Top Area Light Bracket .....	250.73	32.22
For Bronze Or Satin Anodized Finish, Add	18.63	
For Black Anodized Finish, Add	37.26	
26 56 13 00-0650 EA Three Tenons At 120 Degrees, Aluminum, Round Bullhorn Style, Pole Top Area Light Bracket .....	310.17	32.22
For Bronze Or Satin Anodized Finish, Add	24.58	
For Black Anodized Finish, Add	49.15	
26 56 13 00-0651 EA Three Tenons At 180 Degrees, Aluminum, Round Bullhorn Style, Pole Top Area Light Bracket .....	326.17	32.22
For Bronze Or Satin Anodized Finish, Add	26.18	
For Black Anodized Finish, Add	52.35	
26 56 13 00-0652 EA Four Tenons At 90 Degrees, Aluminum, Round Bullhorn Style, Pole Top Area Light Bracket .....	382.18	32.22
For Bronze Or Satin Anodized Finish, Add	31.78	
For Black Anodized Finish, Add	63.55	
26 56 13 00-0653 EA Four Tenons At 180 Degrees, Aluminum, Round Bullhorn Style, Pole Top Area Light Bracket .....	393.61	32.22
For Bronze Or Satin Anodized Finish, Add	32.92	
For Black Anodized Finish, Add	65.84	
26 56 13 00-0654 Square Bullhorn Style, Pole Top Area Light Brackets (26 56 13 00-0640)		
26 56 13 00-0655 Steel, Square Bullhorn Style, Pole Top Area Light Brackets (26 56 13 00-0654)		
Note: Includes powdercoat finish.		
26 56 13 00-0656 EA Two Tenons At 180 Degrees, Steel, Square Bullhorn Style, Pole Top Area Light Bracket .....	729.28	32.22
For Galvanized Finish, Add	66.49	
26 56 13 00-0657 EA Three Tenons At 180 Degrees, Steel, Square Bullhorn Style, Pole Top Area Light Bracket .....	906.19	32.22
For Galvanized Finish, Add	84.18	
26 56 13 00-0658 EA Four Tenons At 180 Degrees, Steel, Square Bullhorn Style, Pole Top Area Light Bracket .....	1,113.96	32.22
For Galvanized Finish, Add	104.95	
26 56 13 00-0659 EA Four Tenons At 90 Degrees, Steel, Square Bullhorn Style, Pole Top Area Light Bracket .....	1,322.70	32.22
For Galvanized Finish, Add	125.83	
26 56 13 00-0660 Wood Pole Clamp On Style, Pole Top Area Light Brackets (26 56 13 00-0639)		
26 56 13 00-0661 Steel, Wood Pole Clamp On Style, Pole Top Area Light Brackets (26 56 13 00-0660)		
Note: Includes powdercoat finish.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0662 EA One Tenon, Steel, Wood Pole Clamp On Style, Pole Top Area Light Bracket.....	673.58	53.69
26 56 13 00-0663 EA Two Tenons At 90, 120 Or 180 Degrees, Steel, Wood Pole Clamp On Style, Pole Top Area Light Bracket .....	1,035.66	53.69
26 56 13 00-0664 EA Three Tenons At 120 Degrees, Steel, Wood Pole Clamp On Style, Pole Top Area Light Bracket .....	1,464.08	53.69
26 56 13 00-0665 EA Four Tenons At 90 Degrees, Steel, Wood Pole Clamp On Style, Pole Top Area Light Bracket .....	1,605.02	53.69
<b>26 56 13 00-0666 Light Pole Arms</b> (26 56 13 00-0638)		
<b>26 56 13 00-0667 Wood Pole Streetlight Arms</b> (26 56 13 00-0666)		
<b>26 56 13 00-0668 Steel, Wood Pole Streetlight Arms</b> (26 56 13 00-0667)		
26 56 13 00-0669 EA 1-1/4" Arm Diameter, 2-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount .....	379.01	48.32
26 56 13 00-0670 EA 1-1/4" Arm Diameter, 3-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount .....	399.23	53.69
26 56 13 00-0671 EA 1-1/4" Arm Diameter, 5-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount .....	459.36	67.11
26 56 13 00-0672 EA 2" Arm Diameter, 3-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount .....	572.73	53.69
26 56 13 00-0673 EA 2" Arm Diameter, 5-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount .....	632.38	67.11
26 56 13 00-0674 EA 2" Arm Diameter, 7-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount .....	768.34	80.53
<b>26 56 13 00-0675 Aluminum, Wood Pole Streetlight Arms</b> (26 56 13 00-0667)		
26 56 13 00-0676 EA 1-1/4" Arm Diameter, 42" Arm Length, Aluminum Arm, Wood Pole Streetlight Arm, Bolt Mount .....	235.37	53.69
26 56 13 00-0677 EA 2" Arm Diameter, 42" Arm Length, Aluminum Arm, Wood Pole Streetlight Arm, Bolt Mount .....	301.01	53.69
26 56 13 00-0678 EA 2" Arm Diameter, 66" Arm Length, Aluminum Arm, Wood Pole Streetlight Arm, Bolt Mount .....	405.84	67.11
26 56 13 00-0679 EA 2" Arm Diameter, 90" Arm Length, Aluminum Arm, Wood Pole Streetlight Arm, Bolt Mount .....	537.87	80.53
<b>26 56 13 00-0680 Area Light Arms</b> (26 56 13 00-0666)		
<b>26 56 13 00-0681 Steel Area Light Arms</b> (26 56 13 00-0680)		
26 56 13 00-0682 EA Single, 2.38" Arm Diameter, 4' Arm Length, Upsweep Style, Steel Area Light Arm, Hub Mount .....	752.95	53.69
26 56 13 00-0683 EA Two, 2.38" Arm Diameter, 4' Arm Length, Upsweep Style, Steel Area Light Arms, Hub Mount.....	1,199.94	59.06
26 56 13 00-0684 EA Three, 2.38" Arm Diameter, 4' Arm Length, Upsweep Style, Steel Area Light Arms, Hub Mount .....	1,334.25	64.42
26 56 13 00-0685 EA Four, 2.38" Arm Diameter, 4' Arm Length, Upsweep Style, Steel Area Light Arms, Hub Mount .....	1,589.60	69.80
26 56 13 00-0686 EA Single, 2.38" Arm Diameter, 6' Arm Length, Upsweep Style, Steel Area Light Arm, Hub Mount .....	895.79	67.11
26 56 13 00-0687 EA Two, 2.38" Arm Diameter, 6' Arm Length, Upsweep Style, Steel Area Light Arms, Hub Mount.....	1,297.40	72.48
<b>26 56 13 00-0688 Aluminum Area Light Arms</b> (26 56 13 00-0680)		
26 56 13 00-0689 EA Single, 4' Arm Length, Mast Style, Aluminum Area Light Arm, Bolt Mount .....	293.69	53.69
26 56 13 00-0690 EA Single, 6' Arm Length, Mast Style, Aluminum Area Light Arm, Bolt Mount .....	361.68	67.11
26 56 13 00-0691 EA Single, 8' Arm Length, Mast Style, Aluminum Area Light Arm, Bolt Mount .....	431.96	80.53
26 56 13 00-0692 EA Single, 4' Arm Length, Mast Style, Aluminum Area Light Arm, Hub Mount.....	291.40	53.69
26 56 13 00-0693 EA Two, 4' Arm Length, Mast Style, Aluminum Area Light Arms, Hub Mount .....	425.58	59.06
26 56 13 00-0694 EA Single, 6' Arm Length, Mast Style, Aluminum Area Light Arm, Hub Mount.....	357.11	67.11
26 56 13 00-0695 EA Two, 6' Arm Length, Mast Style, Aluminum Area Light Arms, Hub Mount .....	518.72	72.48
26 56 13 00-0696 EA Single, 8' Arm Length, Mast Style, Aluminum Area Light Arm, Hub Mount.....	434.25	80.53
26 56 13 00-0697 EA Two, 8' Arm Length, Mast Style, Aluminum Area Light Arms, Hub Mount .....	631.30	85.90
<b>26 56 13 00-0698 Removal And Reinstallation Of Lighting Pole</b> (26 56 13 00-0001)		
26 56 13 00-0699 EA Removal And Relocation Of Up To 45' Lighting Pole And Standards With One Or Two Arms .....	1,771.90	
<b>26 56 13 00-0700 High Mast Lighting</b> (26 56 13 00-0001)		
<b>26 56 13 00-0701 High Mast Lighting Assemblies</b> (26 56 13 00-0700)		
Note: Includes non-latching system, ring assembly with internal bumper, acrylic top cover, pulley supports, cast arm filter for pipe tension, transition assembly, standard head frame assembly, standard hoist, and powder coated pole. See CSI section 26 56 21 00-0001 for high mast fixtures.		
26 56 13 00-0702 EA 60' High Mast Lighting Assembly .....	56,045.37	1,639.65
26 56 13 00-0703 EA 70' High Mast Lighting Assembly .....	59,208.58	1,717.30
26 56 13 00-0704 EA 80' High Mast Lighting Assembly .....	62,390.69	1,829.45
26 56 13 00-0705 EA 90' High Mast Lighting Assembly .....	65,589.75	1,976.13
26 56 13 00-0706 EA 100' High Mast Lighting Assembly .....	68,794.77	2,157.25
26 56 13 00-0707 EA 110' High Mast Lighting Assembly .....	72,918.10	2,373.14
26 56 13 00-0708 EA 120' High Mast Lighting Assembly .....	76,232.45	2,588.85
26 56 13 00-0709 EA 130' High Mast Lighting Assembly .....	79,285.33	2,804.56
26 56 13 00-0710 EA 140' High Mast Lighting Assembly .....	82,599.68	3,020.38
26 56 13 00-0711 EA 150' High Mast Lighting Assembly .....	86,653.89	3,236.09
<b>26 56 13 00-0712 High Mast Light Poles</b> (26 56 13 00-0700)		
26 56 13 00-0713 EA 60' High Mast Light Poles .....	20,973.38	984.74
26 56 13 00-0714 EA 70' High Mast Light Poles .....	24,113.26	1,031.40
26 56 13 00-0715 EA 80' High Mast Light Poles .....	27,261.67	1,098.78
26 56 13 00-0716 EA 90' High Mast Light Poles .....	30,416.69	1,186.88
26 56 13 00-0717 EA 100' High Mast Light Poles .....	33,580.24	1,295.72
26 56 13 00-0718 EA 110' High Mast Light Poles .....	36,752.33	1,425.29
26 56 13 00-0719 EA 120' High Mast Light Poles .....	39,130.34	1,554.86
26 56 13 00-0720 EA 130' High Mast Light Poles .....	39,560.49	2,881.68
26 56 13 00-0721 EA 140' High Mast Light Poles .....	43,622.94	1,814.01



<b>Electrical</b>	<b>26</b>	<b>26</b>
Lighting	26 50	
Exterior Lighting	26 56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0722 EA 150' High Mast Light Poles .....	46,264.34	1,943.58
<b>26 56 13 00-0723 High Mast Lighting Accessories</b> <small>(26 56 13 00-0700)</small>		
See CSI section 26 55 13 00-0119 for lighting fixtures, 26 56 21 00-0001 for light fixtures.		
26 56 13 00-0724 EA Bottom Latching System For High Mast Lighting .....	970.16	
26 56 13 00-0725 EA Top Latching System For High Mast Lighting .....	2,780.95	
26 56 13 00-0726 EA Centering Springs For High Mast Lighting .....	2,106.53	
26 56 13 00-0727 EA Electric Power Cord For High Mast Lighting .....	876.25	
26 56 13 00-0728 EA Aircraft Warning Lights For High Mast Lighting .....	1,616.71	
26 56 13 00-0729 EA Internal Motorized Hoist For High Mast Lighting .....	18,321.06	
26 56 13 00-0730 EA Portable Hoist Motor With Step Down Transformer For High Mast Lighting .....	18,402.35	
<b>26 56 13 00-0731 Concrete Bases</b> <small>(26 56 13 00-0001)</small>		
<b>26 56 13 00-0732 Concrete Bases, Cast In Place</b> <small>(26 56 13 00-0731)</small>		
Note: Includes excavation/drilling, concrete, reinforcement, forms for exposed base, anchors/supports and backfill. Excludes conduit.		
26 56 13 00-0733 EA Cast In Place Concrete Base For Poles Minimum Charge .....	350.24	
Note: For projects where the cast in place concrete base for poles charge is less than the minimum charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		
26 56 13 00-0734 VLF 1-1/2' Diameter Concrete Base For Poles .....	65.82	
26 56 13 00-0735 VLF 2' Diameter Concrete Base For Poles .....	91.90	
26 56 13 00-0736 VLF 2-1/2' Diameter Concrete Base For Poles .....	123.75	
26 56 13 00-0737 VLF 3' Diameter Concrete Base For Poles .....	162.34	
26 56 13 00-0738 VLF 3-1/2' Diameter Concrete Base For Poles .....	216.19	
26 56 13 00-0739 VLF 4' Diameter Concrete Base For Poles .....	271.59	
26 56 13 00-0740 VLF 5' Diameter Concrete Base For Poles .....	394.50	
26 56 13 00-0741 VLF 6' Diameter Concrete Base For Poles .....	542.80	
<b>26 56 18 Incandescent Exterior Lighting</b> <small>(26 56)</small>		
26 56 18 00-0001 Exterior Globe <small>(26 56 18)</small>		
26 56 18 00-0002 Incandescent, Exterior Globe <small>(26 56 18 00-0001)</small>		
26 56 18 00-0003 EA 100 Watt Incandescent, Enclosed And Gasketed, Exterior Wall Fixture .....	47.95	16.50
26 56 18 00-0004 EA 150 To 200 Watt Incandescent, Enclosed And Gasketed, Exterior Wall Fixture .....	76.76	16.50
26 56 18 00-0005 EA 100 Watt Incandescent, Enclosed And Gasketed With Guard, Exterior Wall Fixture .....	57.61	16.50
26 56 18 00-0006 EA 150 To 200 Watt Incandescent, Enclosed And Gasketed With Guard, Exterior Wall Fixture .....	80.48	16.50
26 56 18 00-0007 Compact Fluorescent And Incandescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixtures <small>(26 56 18)</small>		
Note: Includes cast aluminum powder coated housing, polycarbonate lens and tamperproof screws.		
26 56 18 00-0008 EA 7 Watt Fluorescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture .....	218.80	66.00
26 56 18 00-0009 EA 9 Watt Fluorescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture .....	227.09	70.13
26 56 18 00-0010 EA 13 Or 14 Watt Fluorescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture .....	252.34	74.25
26 56 18 00-0011 EA 75 Watt Incandescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture .....	236.04	82.50
26 56 18 00-0012 EA 100 Watt Incandescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture .....	264.42	94.88
<b>26 56 19 LED Exterior Lighting</b> <small>(26 56)</small>		
26 56 19 00-0001 LED, Wall Packs <small>(26 56 19)</small>		
26 56 19 00-0002 Full Cutoff, LED Wall Packs <small>(26 56 19 00-0001)</small>		
26 56 19 00-0003 Full Cutoff, LED Wall Packs (Lithonia) <small>(26 56 19 00-0002)</small>		
26 56 19 00-0004 EA 30 LEDs, 57 Watt, 530 mA Drive Current, Full Cutoff, LED Wall Pack (Lithonia CSXW LED) .....	912.77	92.60
<i>For &gt;50 To 100, Deduct</i> -45.64		
<i>For &gt;100 To 250, Deduct</i> -68.46		
<i>For &gt;250 To 500, Deduct</i> -109.47		
<i>For &gt;500 To 1000, Deduct</i> -150.47		
<i>For &gt;1000, Deduct</i> -191.48		
26 56 19 00-0005 EA 30 LEDs, 35 Watt, 350 mA Drive Current, Full Cutoff, LED Wall Pack (Lithonia CSXW LED) .....	991.75	92.60
<i>For &gt;50 To 100, Deduct</i> -49.59		
<i>For &gt;100 To 250, Deduct</i> -74.38		
<i>For &gt;250 To 500, Deduct</i> -119.34		
<i>For &gt;500 To 1000, Deduct</i> -164.30		
<i>For &gt;1000, Deduct</i> -209.25		
26 56 19 00-0006 Full Cutoff, LED Wall Packs (CREE® BetaLED®) <small>(26 56 19 00-0002)</small>		
26 56 19 00-0007 Wall Mount, Full Cutoff, LED Wall Packs (CREE® BetaLED® Edge® SEC-EDG) <small>(26 56 19 00-0006)</small>		
Note: UL wet listed. Includes 4,000K or 5,700K color temperature, 120-277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		

**26 Electrical**  
**26 50 Lighting**  
**26 56 Exterior Lighting**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56	19 00-0008	EA	20 LEDs, 26 Watt, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG) ..... Note: Includes 350mA or 525mA driver. <i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i> <i>For Bird Spikes, Add</i> <i>For Fuse, Add</i> <i>For 0 To 10 Volt Dimming, Add</i> <i>For 480 Volt, Add</i> <i>For Multi-Level, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500 To 1000, Deduct</i> <i>For &gt;1000, Deduct</i>	994.80	89.95
26 56	19 00-0009	EA	40 LEDs, 47 Watt, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG) ..... Note: Includes 350mA or 525mA driver. <i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i> <i>For Bird Spikes, Add</i> <i>For Fuse, Add</i> <i>For 0 To 10 Volt Dimming, Add</i> <i>For 480 Volt, Add</i> <i>For Multi-Level, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500 To 1000, Deduct</i> <i>For &gt;1000, Deduct</i>	1,300.63	95.25
26 56	19 00-0010	EA	60 LEDs, 68 Watt, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG) ..... Note: Includes 350mA or 525mA driver. <i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i> <i>For Bird Spikes, Add</i> <i>For Fuse, Add</i> <i>For 0 To 10 Volt Dimming, Add</i> <i>For 480 Volt, Add</i> <i>For Multi-Level, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500 To 1000, Deduct</i> <i>For &gt;1000, Deduct</i>	1,463.72	100.54
26 56	19 00-0011	EA	80 LEDs, 90 Watt, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG) ..... Note: Includes 350mA or 525mA driver. <i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i> <i>For Bird Spikes, Add</i> <i>For Fuse, Add</i> <i>For 0 To 10 Volt Dimming, Add</i> <i>For 480 Volt, Add</i> <i>For Multi-Level, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500 To 1000, Deduct</i> <i>For &gt;1000, Deduct</i>	1,912.31	105.83
26 56	19 00-0012	EA	100 LEDs, 111 Watt, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG) ..... <i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i> <i>For Bird Spikes, Add</i> <i>For Fuse, Add</i> <i>For 0 To 10 Volt Dimming, Add</i> <i>For 480 Volt, Add</i> <i>For Multi-Level, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500 To 1000, Deduct</i> <i>For &gt;1000, Deduct</i>	2,218.14	111.12
26 56	19 00-0013	EA	120 LEDs, 132 Watt, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG) ..... <i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i> <i>For Bird Spikes, Add</i> <i>For Fuse, Add</i> <i>For 0 To 10 Volt Dimming, Add</i> <i>For 480 Volt, Add</i> <i>For Multi-Level, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500 To 1000, Deduct</i> <i>For &gt;1000, Deduct</i>	2,523.98	116.41

26 56 19 00-0014 Wall Mount, Full Cutoff, LED Wall Packs (CREE® BetaLED® XSPW™)<sup>(26 56</sup>  
<sup>19 00-0006)</sup>  
 Note: UL wet listed. Includes 4,000K or 5,700K color temperature, 120-277 voltage, Class 2 driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.





<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Lighting</b>	<b>26 50</b>	
<b>Exterior Lighting</b>	<b>26 56</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0015 EA 25 Watt, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® XSPW™) .....	556.36	89.95
For 3 Or 7-Pin NEMA Photocell Receptacle, Add	22.49	
For 0 To 10 Volt Dimming, Add	67.48	
For Multi-Level, Add	67.48	
For >50 To 100, Deduct	-27.82	
For >100 To 250, Deduct	-41.73	
For >250 To 500, Deduct	-65.05	
For >500 To 1000, Deduct	-88.37	
For >1000, Deduct	-111.69	
26 56 19 00-0016 EA 42 Watt, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® XSPW™) .....	654.77	95.25
For 3 Or 7-Pin NEMA Photocell Receptacle, Add	22.49	
For 0 To 10 Volt Dimming, Add	67.48	
For Multi-Level, Add	67.48	
For >50 To 100, Deduct	-32.74	
For >100 To 250, Deduct	-49.11	
For >250 To 500, Deduct	-77.08	
For >500 To 1000, Deduct	-105.06	
For >1000, Deduct	-133.04	
<b>26 56 19 00-0017 Full Cutoff, LED Wall Packs (McGraw-Edison) (26 56 19 00-0002)</b>		
26 56 19 00-0018 EA One 7 LED Light Bar, 27 System Watts, 1 A Drive Current, Full Cutoff, LED Wall Pack (McGraw-Edison IST).....	1,234.24	89.95
26 56 19 00-0019 EA Two 7 LED Light Bars, 54 System Watts, 1 A Drive Current, Full Cutoff, LED Wall Pack (McGraw-Edison IST).....	1,544.18	95.25
26 56 19 00-0020 EA One 21 LED Light Bar, 27 System Watts, 350 mA Drive Current, Full Cutoff, LED Wall Pack (McGraw-Edison IST).....	1,249.65	89.95
26 56 19 00-0021 EA Two 21 LED Light Bars, 51 System Watts, 350 mA Drive Current, Full Cutoff, LED Wall Pack (McGraw-Edison IST).....	1,685.05	95.25
<b>26 56 19 00-0022 Open Face LED Wall Pack (26 56 19 00-0001)</b>		
Note: Heavy-duty cast aluminum housing is polyester powder coated to be rust and corrosion proof, High-quality shatter-resistant glass		
26 56 19 00-0023 EA 3,640 Lumens, 28 Watt, Open Face LED Wall Pack, With Motion Sensor (Maxlite WP-OP28U-50B-MS).....	652.05	90.33
For >50 To 100, Deduct	-32.60	
For >100 To 250, Deduct	-48.90	
For >250 To 500, Deduct	-74.73	
For >500 To 1000, Deduct	-100.56	
For >1000, Deduct	-126.39	
26 56 19 00-0024 EA 5,540 Lumens, 40 Watt, Open Face LED Wall Pack, With Motion Sensor (Maxlite WP-OP40U-50B-MS).....	708.43	90.33
For >50 To 100, Deduct	-35.42	
For >100 To 250, Deduct	-53.13	
For >250 To 500, Deduct	-81.78	
For >500 To 1000, Deduct	-110.43	
For >1000, Deduct	-139.07	
26 56 19 00-0025 EA 7,065 Lumens, 50 Watt, Open Face LED Wall Pack, With Motion Sensor (Maxlite WP-OP50U-50B-MS).....	737.96	90.33
For >50 To 100, Deduct	-36.90	
For >100 To 250, Deduct	-55.35	
For >250 To 500, Deduct	-85.47	
For >500 To 1000, Deduct	-115.59	
For >1000, Deduct	-145.72	
26 56 19 00-0026 EA 11,375 Lumens, 80 Watt, Open Face LED Wall Pack, With Motion Sensor (Maxlite WP-OP80U-50B-MS).....	761.90	90.33
For >50 To 100, Deduct	-38.10	
For >100 To 250, Deduct	-57.14	
For >250 To 500, Deduct	-88.46	
For >500 To 1000, Deduct	-119.78	
For >1000, Deduct	-151.10	
26 56 19 00-0027 EA 16,945 Lumens, 120 Watt, Open Face LED Wall Pack, With Motion Sensor (Maxlite WP-OP120U-50B-MS).....	941.51	90.33
For >50 To 100, Deduct	-47.08	
For >100 To 250, Deduct	-70.61	
For >250 To 500, Deduct	-110.91	
For >500 To 1000, Deduct	-151.22	
For >1000, Deduct	-191.52	
<b>26 56 19 00-0028 Wall Pack Accessories (26 56 19 00-0001)</b>		
26 56 19 00-0029 EA Photocell For Wall Pack .....	122.73	22.58
26 56 19 00-0030 EA Wire Guard For Mini And Small Wall Pack .....	138.95	22.58
26 56 19 00-0031 EA Wire Guard For Medium And Large Wall Pack .....	206.77	22.58
26 56 19 00-0032 EA Clear Polycarbonate Vandal Guard For Wall Packs .....	304.63	22.58
26 56 19 00-0033 EA Full Cutoff Visor For Wall Pack .....	134.53	22.58
<b>26 56 19 00-0034 LED, Roadway Lighting (26 56 19)</b>		
<b>26 56 19 00-0035 LED Roadway Lighting (Philips Lumec) (26 56 19 00-0034)</b>		
<b>26 56 19 00-0036 Horizontal Tenon Mount, LED Cobra Head Street Lights (Philips Lumec GPL Series) (26 56 19 00-0035)</b>		
Note: UL wet listed. Includes 4,000K color temperature, 120-480 voltage, 570mA driver, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.		
26 56 19 00-0037 EA 49 LEDs, 102 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (Philips Lumec GPLS Series).....	1,529.15	127.26
For >50 To 100, Deduct	-76.46	
For >100 To 250, Deduct	-114.69	
For >250 To 500, Deduct	-184.78	
For >500 To 1000, Deduct	-254.88	
For >1000, Deduct	-324.97	

<b>26</b>	<b>Electrical</b>
<b>26 50</b>	<b>Lighting</b>
<b>26 56</b>	<b>Exterior Lighting</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0038	EA		98 LEDs, 204 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (Philips Lumec GPLM Series) .....	2,436.22	130.70
			<i>For &gt;50 To 100, Deduct</i>	-121.81	
			<i>For &gt;100 To 250, Deduct</i>	-182.72	
			<i>For &gt;250 To 500, Deduct</i>	-297.99	
			<i>For &gt;500 To 1000, Deduct</i>	-413.27	
			<i>For &gt;1000, Deduct</i>	-528.54	
<b>26 56 19 00-0039</b>			<b>Horizontal Tenon Mount, LED Cobra Head Street Lights (Philips Lumec RFM Series)</b> <small>(26 56 19 00-0035)</small>		
			Note: UL wet listed. Includes 3,000 to 4,000K color temperature, 120-277 voltage, up to 1050mA driver, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.		
26 56 19 00-0040	EA		48 LEDs, 55 Watt, Type III Medium, 120-277 Volt, Horizontal Tenon Mount, LED Cobra Head Street Light (Philips Lumec RFM Series).....	1,086.66	127.26
			<i>For &gt;50 To 100, Deduct</i>	-54.33	
			<i>For &gt;100 To 250, Deduct</i>	-81.50	
			<i>For &gt;250 To 500, Deduct</i>	-129.47	
			<i>For &gt;500 To 1000, Deduct</i>	-177.44	
			<i>For &gt;1000, Deduct</i>	-225.41	
26 56 19 00-0041	EA		48 LEDs, 80 Watt, Type III Medium, 120-277 Volt, RoadFocus Roadway, LED Cobra Head Luminaire (Philips Lumec RFM Series).....	1,086.66	127.26
			<i>For &gt;50 To 100, Deduct</i>	-54.33	
			<i>For &gt;100 To 250, Deduct</i>	-81.50	
			<i>For &gt;250 To 500, Deduct</i>	-129.47	
			<i>For &gt;500 To 1000, Deduct</i>	-177.44	
			<i>For &gt;1000, Deduct</i>	-225.41	
26 56 19 00-0042	EA		48 LEDs, 108 Watt, Type III Medium, 120-277 Volt, RoadFocus Roadway, LED Cobra Head Luminaire (Philips Lumec RFM Series).....	1,086.66	127.26
			<i>For &gt;50 To 100, Deduct</i>	-54.33	
			<i>For &gt;100 To 250, Deduct</i>	-81.50	
			<i>For &gt;250 To 500, Deduct</i>	-129.47	
			<i>For &gt;500 To 1000, Deduct</i>	-177.44	
			<i>For &gt;1000, Deduct</i>	-225.41	
<b>26 56 19 00-0043</b>			<b>LED Roadway Lighting (Lithonia)</b> <small>(26 56 19 00-0034)</small>		
<b>26 56 19 00-0044</b>			<b>Horizontal Tenon Mount, LED Cobra Head Street Lights (Lithonia CSX1 Series)</b> <small>(26 56 19 00-0043)</small>		
			Note: UL wet listed. Includes 4,000K color temperature, 120-480 voltage, 700mA driver, die-cast extruded aluminum housing assembly and bronze powder coat finish. Excludes sensors.		
26 56 19 00-0045	EA		30 LEDs, 74 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (Lithonia CSX1 Series).....	2,267.69	120.38
			<i>For &gt;50 To 100, Deduct</i>	-113.38	
			<i>For &gt;100 To 250, Deduct</i>	-170.08	
			<i>For &gt;250 To 500, Deduct</i>	-277.44	
			<i>For &gt;500 To 1000, Deduct</i>	-384.81	
			<i>For &gt;1000, Deduct</i>	-492.17	
26 56 19 00-0046	EA		60 LEDs, 146 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (Lithonia CSX1 Series).....	3,803.64	123.82
			<i>For &gt;50 To 100, Deduct</i>	-190.18	
			<i>For &gt;100 To 250, Deduct</i>	-285.27	
			<i>For &gt;250 To 500, Deduct</i>	-469.26	
			<i>For &gt;500 To 1000, Deduct</i>	-653.26	
			<i>For &gt;1000, Deduct</i>	-837.25	
<b>26 56 19 00-0047</b>			<b>LED Roadway Lighting (CREE® BetaLED®)</b> <small>(26 56 19 00-0034)</small>		
<b>26 56 19 00-0048</b>			<b>Horizontal Tenon Mount, LED Cobra Head Street Lights (CREE® BetaLED® LEDway® STR-LWY)</b> <small>(26 56 19 00-0047)</small>		
			Note: UL wet listed. Includes 6,000K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Includes Type II Medium, Type II Short or Type III Medium optic. Excludes sensors.		
26 56 19 00-0049	EA		20 LEDs, 25 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY).....	886.19	116.94
			<i>For &gt;50 To 100, Deduct</i>	-44.31	
			<i>For &gt;100 To 250, Deduct</i>	-66.46	
			<i>For &gt;250 To 500, Deduct</i>	-104.93	
			<i>For &gt;500 To 1000, Deduct</i>	-143.39	
			<i>For &gt;1000, Deduct</i>	-181.85	
26 56 19 00-0050	EA		30 LEDs, 35 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY).....	1,003.69	120.38
			<i>For &gt;50 To 100, Deduct</i>	-50.18	
			<i>For &gt;100 To 250, Deduct</i>	-75.28	
			<i>For &gt;250 To 500, Deduct</i>	-119.44	
			<i>For &gt;500 To 1000, Deduct</i>	-163.61	
			<i>For &gt;1000, Deduct</i>	-207.77	
26 56 19 00-0051	EA		40 LEDs, 45 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY).....	1,145.99	123.82
			<i>For &gt;50 To 100, Deduct</i>	-57.30	
			<i>For &gt;100 To 250, Deduct</i>	-85.95	
			<i>For &gt;250 To 500, Deduct</i>	-137.06	
			<i>For &gt;500 To 1000, Deduct</i>	-188.17	
			<i>For &gt;1000, Deduct</i>	-239.27	



<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Lighting</b>	<b>26 50</b>	
<b>Exterior Lighting</b>	<b>26 56</b>	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0052	EA		50 LEDs, 55 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY).....	1,265.40	127.26
			<i>For &gt;50 To 100, Deduct</i>	-63.27	
			<i>For &gt;100 To 250, Deduct</i>	-94.91	
			<i>For &gt;250 To 500, Deduct</i>	-151.81	
			<i>For &gt;500 To 1000, Deduct</i>	-208.72	
			<i>For &gt;1000, Deduct</i>	-265.63	
26 56 19 00-0053	EA		60 LEDs, 65 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY).....	1,384.81	130.70
			<i>For &gt;50 To 100, Deduct</i>	-69.24	
			<i>For &gt;100 To 250, Deduct</i>	-103.86	
			<i>For &gt;250 To 500, Deduct</i>	-166.57	
			<i>For &gt;500 To 1000, Deduct</i>	-229.27	
			<i>For &gt;1000, Deduct</i>	-291.98	
26 56 19 00-0054	EA		70 LEDs, 75 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY).....	1,672.07	134.13
			<i>For &gt;50 To 100, Deduct</i>	-83.60	
			<i>For &gt;100 To 250, Deduct</i>	-125.41	
			<i>For &gt;250 To 500, Deduct</i>	-202.30	
			<i>For &gt;500 To 1000, Deduct</i>	-279.20	
			<i>For &gt;1000, Deduct</i>	-356.09	
26 56 19 00-0055	EA		80 LEDs, 86 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY).....	1,791.48	137.57
			<i>For &gt;50 To 100, Deduct</i>	-89.57	
			<i>For &gt;100 To 250, Deduct</i>	-134.36	
			<i>For &gt;250 To 500, Deduct</i>	-217.06	
			<i>For &gt;500 To 1000, Deduct</i>	-299.75	
			<i>For &gt;1000, Deduct</i>	-382.45	
26 56 19 00-0056	EA		90 LEDs, 96 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY).....	1,908.98	141.02
			<i>For &gt;50 To 100, Deduct</i>	-95.45	
			<i>For &gt;100 To 250, Deduct</i>	-143.17	
			<i>For &gt;250 To 500, Deduct</i>	-231.57	
			<i>For &gt;500 To 1000, Deduct</i>	-319.97	
			<i>For &gt;1000, Deduct</i>	-408.37	
26 56 19 00-0057	EA		100 LEDs, 111 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY).....	2,140.92	144.46
			<i>For &gt;50 To 100, Deduct</i>	-107.05	
			<i>For &gt;100 To 250, Deduct</i>	-160.57	
			<i>For &gt;250 To 500, Deduct</i>	-260.39	
			<i>For &gt;500 To 1000, Deduct</i>	-360.22	
			<i>For &gt;1000, Deduct</i>	-460.04	
26 56 19 00-0058	EA		110 LEDs, 122 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY).....	2,260.33	147.90
			<i>For &gt;50 To 100, Deduct</i>	-113.02	
			<i>For &gt;100 To 250, Deduct</i>	-169.52	
			<i>For &gt;250 To 500, Deduct</i>	-275.15	
			<i>For &gt;500 To 1000, Deduct</i>	-380.77	
			<i>For &gt;1000, Deduct</i>	-486.39	
26 56 19 00-0059	EA		120 LEDs, 133 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY).....	2,379.75	151.34
			<i>For &gt;50 To 100, Deduct</i>	-118.99	
			<i>For &gt;100 To 250, Deduct</i>	-178.48	
			<i>For &gt;250 To 500, Deduct</i>	-289.90	
			<i>For &gt;500 To 1000, Deduct</i>	-401.32	
			<i>For &gt;1000, Deduct</i>	-512.74	
26 56 19 00-0060			<b>Surface Mount, LED Transportation Fixtures (CREE® BetaLED® Edge® TSP-EDG)</b> <small>(26 56 19 00-0047)</small>		
			Note: Direct, cantenary or pendant mount. UL wet listed. Includes 5,700K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0061	EA		40 LEDs, 47 Watt, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG).....	1,842.16	123.82
			<i>For Multi-Level Drive Currents, Add</i>	267.03	
			<i>For &gt;50 To 100, Deduct</i>	-92.11	
			<i>For &gt;100 To 250, Deduct</i>	-138.16	
			<i>For &gt;250 To 500, Deduct</i>	-224.08	
			<i>For &gt;500 To 1000, Deduct</i>	-310.00	
			<i>For &gt;1000, Deduct</i>	-395.91	
26 56 19 00-0062	EA		60 LEDs, 68 Watt, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG).....	2,136.30	130.70
			<i>For Multi-Level Drive Currents, Add</i>	267.03	
			<i>For &gt;50 To 100, Deduct</i>	-106.82	
			<i>For &gt;100 To 250, Deduct</i>	-160.22	
			<i>For &gt;250 To 500, Deduct</i>	-260.50	
			<i>For &gt;500 To 1000, Deduct</i>	-360.78	
			<i>For &gt;1000, Deduct</i>	-461.06	
26 56 19 00-0063	EA		80 LEDs, 90 Watt, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG).....	2,430.44	137.57
			<i>For Multi-Level Drive Currents, Add</i>	267.03	
			<i>For &gt;50 To 100, Deduct</i>	-121.52	
			<i>For &gt;100 To 250, Deduct</i>	-182.28	
			<i>For &gt;250 To 500, Deduct</i>	-296.93	
			<i>For &gt;500 To 1000, Deduct</i>	-411.57	
			<i>For &gt;1000, Deduct</i>	-526.21	

<b>26</b>	<b>Electrical</b>
<b>26 50</b>	<b>Lighting</b>
<b>26 56</b>	<b>Exterior Lighting</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0064	EA		100 LEDs, 111 Watt, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG).....	2,724.56	144.46
			<i>For Multi-Level Drive Currents, Add</i>	267.03	
			<i>For &gt;50 To 100, Deduct</i>	-136.23	
			<i>For &gt;100 To 250, Deduct</i>	-204.34	
			<i>For &gt;250 To 500, Deduct</i>	-333.35	
			<i>For &gt;500 To 1000, Deduct</i>	-462.35	
			<i>For &gt;1000, Deduct</i>	-591.36	
26 56 19 00-0065	EA		120 LEDs, 132 Watt, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG).....	3,613.79	151.34
			<i>For Multi-Level Drive Currents, Add</i>	267.03	
			<i>For &gt;50 To 100, Deduct</i>	-180.69	
			<i>For &gt;100 To 250, Deduct</i>	-271.03	
			<i>For &gt;250 To 500, Deduct</i>	-444.16	
			<i>For &gt;500 To 1000, Deduct</i>	-617.28	
			<i>For &gt;1000, Deduct</i>	-790.40	
26 56 19 00-0066	EA		140 LEDs, 157 Watt, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG).....	3,907.92	158.22
			<i>For Multi-Level Drive Currents, Add</i>	267.03	
			<i>For &gt;50 To 100, Deduct</i>	-195.40	
			<i>For &gt;100 To 250, Deduct</i>	-293.09	
			<i>For &gt;250 To 500, Deduct</i>	-480.58	
			<i>For &gt;500 To 1000, Deduct</i>	-668.06	
			<i>For &gt;1000, Deduct</i>	-855.55	
26 56 19 00-0067	EA		160 LEDs, 179 Watt, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG).....	4,202.06	165.09
			<i>For Multi-Level Drive Currents, Add</i>	267.03	
			<i>For &gt;50 To 100, Deduct</i>	-210.10	
			<i>For &gt;100 To 250, Deduct</i>	-315.15	
			<i>For &gt;250 To 500, Deduct</i>	-517.00	
			<i>For &gt;500 To 1000, Deduct</i>	-718.85	
			<i>For &gt;1000, Deduct</i>	-920.70	
26 56 19 00-0068			<b>Horizontal Tenon Mount, LED Cobra Head Street Lights (CREE® BetaLED® XSP)</b> <small>(26 56 19 00-0047)</small>		
			Note: UL wet listed. Includes 120-277 voltage, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0069	EA		4,806 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP1™ BXSP-B-HT-XXX-A).....	717.68	123.82
			<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	22.49	
			<i>For Backlight Control Shield, Add</i>	33.65	
			<i>For Field Adjustable Output, Add</i>	33.75	
			<i>For Bird Spikes, Add</i>	54.89	
			<i>For Field Adjustable Output And Utility Label, Add</i>	44.99	
			<i>For Fuse, Add</i>	67.48	
			<i>For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	67.48	
			<i>For 480 Volt, Add</i>	101.23	
			<i>For Multi-Level, Add</i>	146.21	
			<i>For &gt;50 To 100, Deduct</i>	-35.88	
			<i>For &gt;100 To 250, Deduct</i>	-53.83	
			<i>For &gt;250 To 500, Deduct</i>	-83.52	
			<i>For &gt;500 To 1000, Deduct</i>	-113.21	
			<i>For &gt;1000, Deduct</i>	-142.91	
26 56 19 00-0070	EA		5,340 Lumens, 5700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP1™ BXSP-B-HT-XXX-A).....	717.68	123.82
			<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	22.49	
			<i>For Backlight Control Shield, Add</i>	33.65	
			<i>For Field Adjustable Output, Add</i>	33.75	
			<i>For Bird Spikes, Add</i>	54.89	
			<i>For Field Adjustable Output And Utility Label, Add</i>	44.99	
			<i>For Fuse, Add</i>	67.48	
			<i>For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	67.48	
			<i>For 480 Volt, Add</i>	101.23	
			<i>For Multi-Level, Add</i>	146.21	
			<i>For &gt;50 To 100, Deduct</i>	-35.88	
			<i>For &gt;100 To 250, Deduct</i>	-53.83	
			<i>For &gt;250 To 500, Deduct</i>	-83.52	
			<i>For &gt;500 To 1000, Deduct</i>	-113.21	
			<i>For &gt;1000, Deduct</i>	-142.91	
26 56 19 00-0071	EA		8,407 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP1™ BXSP-C-HT-XXX-E).....	802.71	123.82
			<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	22.49	
			<i>For Backlight Control Shield, Add</i>	33.65	
			<i>For Field Adjustable Output, Add</i>	33.75	
			<i>For Bird Spikes, Add</i>	54.89	
			<i>For Field Adjustable Output And Utility Label, Add</i>	44.99	
			<i>For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	67.48	
			<i>For 480 Volt, Add</i>	101.23	
			<i>For &gt;50 To 100, Deduct</i>	-40.14	
			<i>For &gt;100 To 250, Deduct</i>	-60.20	
			<i>For &gt;250 To 500, Deduct</i>	-94.15	
			<i>For &gt;500 To 1000, Deduct</i>	-128.09	
			<i>For &gt;1000, Deduct</i>	-162.04	



<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Lighting</b>	<b>26 50</b>	
<b>Exterior Lighting</b>	<b>26 56</b>	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0072	EA		8,820 Lumens, 5700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP1™ BXSP-C-HT-XXX-E) .....	802.71	123.82
			<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	22.49	
			<i>For Backlight Control Shield, Add</i>	33.65	
			<i>For Field Adjustable Output, Add</i>	33.75	
			<i>For Bird Spikes, Add</i>	54.89	
			<i>For Field Adjustable Output And Utility Label, Add</i>	44.99	
			<i>For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	67.48	
			<i>For 480 Volt, Add</i>	101.23	
			<i>For &gt;50 To 100, Deduct</i>	-40.14	
			<i>For &gt;100 To 250, Deduct</i>	-60.20	
			<i>For &gt;250 To 500, Deduct</i>	-94.15	
			<i>For &gt;500 To 1000, Deduct</i>	-128.09	
			<i>For &gt;1000, Deduct</i>	-162.04	
26 56 19 00-0073	EA		9,612 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP2™ BXSP-B-HT-XXX-B).....	953.87	123.82
			<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	22.49	
			<i>For Field Adjustable Output, Add</i>	33.75	
			<i>For Backlight Control Shield, Add</i>	50.16	
			<i>For Field Adjustable Output And Utility Label, Add</i>	44.99	
			<i>For Fuse, Add</i>	67.48	
			<i>For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	67.48	
			<i>For Bird Spikes, Add</i>	92.70	
			<i>For 480 Volt, Add</i>	101.23	
			<i>For Multi-Level, Add</i>	146.21	
			<i>For &gt;50 To 100, Deduct</i>	-47.69	
			<i>For &gt;100 To 250, Deduct</i>	-71.54	
			<i>For &gt;250 To 500, Deduct</i>	-113.04	
			<i>For &gt;500 To 1000, Deduct</i>	-154.55	
			<i>For &gt;1000, Deduct</i>	-196.05	
26 56 19 00-0074	EA		10,680 Lumens, 5700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP2™ BXSP-B-HT-XXX-B) .....	953.87	123.82
			<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	22.49	
			<i>For Field Adjustable Output, Add</i>	33.75	
			<i>For Backlight Control Shield, Add</i>	50.16	
			<i>For Field Adjustable Output And Utility Label, Add</i>	44.99	
			<i>For Fuse, Add</i>	67.48	
			<i>For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	67.48	
			<i>For Bird Spikes, Add</i>	92.70	
			<i>For 480 Volt, Add</i>	101.23	
			<i>For Multi-Level, Add</i>	146.21	
			<i>For &gt;50 To 100, Deduct</i>	-47.69	
			<i>For &gt;100 To 250, Deduct</i>	-71.54	
			<i>For &gt;250 To 500, Deduct</i>	-113.04	
			<i>For &gt;500 To 1000, Deduct</i>	-154.55	
			<i>For &gt;1000, Deduct</i>	-196.05	
26 56 19 00-0075	EA		13,732 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP2™ BXSP-C-HT-XXX-F).....	1,095.60	123.82
			<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	22.49	
			<i>For Field Adjustable Output, Add</i>	33.75	
			<i>For Backlight Control Shield, Add</i>	50.16	
			<i>For Field Adjustable Output And Utility Label, Add</i>	44.99	
			<i>For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	67.48	
			<i>For Bird Spikes, Add</i>	92.70	
			<i>For 480 Volt, Add</i>	101.23	
			<i>For &gt;50 To 100, Deduct</i>	-54.78	
			<i>For &gt;100 To 250, Deduct</i>	-82.17	
			<i>For &gt;250 To 500, Deduct</i>	-130.76	
			<i>For &gt;500 To 1000, Deduct</i>	-179.35	
			<i>For &gt;1000, Deduct</i>	-227.94	
26 56 19 00-0076	EA		14,408 Lumens, 5700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP2™ BXSP-C-HT-XXX-F).....	1,095.60	123.82
			<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	22.49	
			<i>For Field Adjustable Output, Add</i>	33.75	
			<i>For Backlight Control Shield, Add</i>	50.16	
			<i>For Field Adjustable Output And Utility Label, Add</i>	44.99	
			<i>For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	67.48	
			<i>For Bird Spikes, Add</i>	92.70	
			<i>For 480 Volt, Add</i>	101.23	
			<i>For &gt;50 To 100, Deduct</i>	-54.78	
			<i>For &gt;100 To 250, Deduct</i>	-82.17	
			<i>For &gt;250 To 500, Deduct</i>	-130.76	
			<i>For &gt;500 To 1000, Deduct</i>	-179.35	
			<i>For &gt;1000, Deduct</i>	-227.94	
26 56 19 00-0077	EA		2,529 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™ BXSPR-A-O-X-X-G) .....	566.51	123.82
			<i>For Utility Label, Add</i>	11.24	
			<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	22.49	
			<i>For Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	33.75	
			<i>For 0 To 10 Volt Dimming, Add</i>	67.48	
			<i>For &gt;50 To 100, Deduct</i>	-28.33	
			<i>For &gt;100 To 250, Deduct</i>	-42.49	
			<i>For &gt;250 To 500, Deduct</i>	-64.62	
			<i>For &gt;500 To 1000, Deduct</i>	-86.76	
			<i>For &gt;1000, Deduct</i>	-108.89	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0078	EA		2,722 Lumens, 5700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™ BXSPR-A-O-X-X-G).....	566.51	123.82
			<i>For Utility Label, Add</i>	11.24	
			<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	22.49	
			<i>For Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	33.75	
			<i>For 0 To 10 Volt Dimming, Add</i>	67.48	
			<i>For &gt;50 To 100, Deduct</i>	-28.33	
			<i>For &gt;100 To 250, Deduct</i>	-42.49	
			<i>For &gt;250 To 500, Deduct</i>	-64.62	
			<i>For &gt;500 To 1000, Deduct</i>	-86.76	
			<i>For &gt;1000, Deduct</i>	-108.89	
26 56 19 00-0079	EA		3,819 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™ BXSPR-A-O-X-X-C).....	601.94	123.82
			<i>For Utility Label, Add</i>	11.24	
			<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	22.49	
			<i>For Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	33.75	
			<i>For 0 To 10 Volt Dimming, Add</i>	67.48	
			<i>For &gt;50 To 100, Deduct</i>	-30.10	
			<i>For &gt;100 To 250, Deduct</i>	-45.15	
			<i>For &gt;250 To 500, Deduct</i>	-69.05	
			<i>For &gt;500 To 1000, Deduct</i>	-92.96	
			<i>For &gt;1000, Deduct</i>	-116.86	
26 56 19 00-0080	EA		4,109 Lumens, 5700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™ BXSPR-A-O-X-X-C).....	601.94	123.82
			<i>For Utility Label, Add</i>	11.24	
			<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	22.49	
			<i>For Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	33.75	
			<i>For 0 To 10 Volt Dimming, Add</i>	67.48	
			<i>For &gt;50 To 100, Deduct</i>	-30.10	
			<i>For &gt;100 To 250, Deduct</i>	-45.15	
			<i>For &gt;250 To 500, Deduct</i>	-69.05	
			<i>For &gt;500 To 1000, Deduct</i>	-92.96	
			<i>For &gt;1000, Deduct</i>	-116.86	
26 56 19 00-0081	EA		4,548 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™ BXSPR-B-HT-XXX-A).....	613.75	123.82
			<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	22.49	
			<i>For Field Adjustable Output, Add</i>	33.75	
			<i>For Field Adjustable Output And Utility Label, Add</i>	44.99	
			<i>For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	67.48	
			<i>For 0 To 10 Volt Dimming, Add</i>	67.48	
			<i>For &gt;50 To 100, Deduct</i>	-30.69	
			<i>For &gt;100 To 250, Deduct</i>	-46.03	
			<i>For &gt;250 To 500, Deduct</i>	-70.53	
			<i>For &gt;500 To 1000, Deduct</i>	-95.02	
			<i>For &gt;1000, Deduct</i>	-119.52	
26 56 19 00-0082	EA		4,627 Lumens, 5700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™ BXSPR-B-HT-XXX-A).....	613.75	123.82
			<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	22.49	
			<i>For Field Adjustable Output, Add</i>	33.75	
			<i>For Field Adjustable Output And Utility Label, Add</i>	44.99	
			<i>For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	67.48	
			<i>For 0 To 10 Volt Dimming, Add</i>	67.48	
			<i>For &gt;50 To 100, Deduct</i>	-30.69	
			<i>For &gt;100 To 250, Deduct</i>	-46.03	
			<i>For &gt;250 To 500, Deduct</i>	-70.53	
			<i>For &gt;500 To 1000, Deduct</i>	-95.02	
			<i>For &gt;1000, Deduct</i>	-119.52	
26 56 19 00-0083			<b>Horizontal Tenon Mount, LED Cobra Head Street Lights (CREE® RSW™)</b> <small>(26 56 19 00-0047)</small> Note: UL wet listed. Includes 120-277 voltage, die-cast extruded aluminum housing assembly and gray powder coat finish. Includes utility label and NEMA® photocell receptacle. Excludes sensors.		
26 56 19 00-0084	EA		3,300 Lumens, 3000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® RSW-HT-XXX-30W-30K-UL-GY-N).....	590.14	123.82
			<i>For Field Adjustable Output, Add</i>	33.75	
			<i>For Backlight Control Shield, Add</i>	68.62	
			<i>For Bird Spikes, Add</i>	93.36	
			<i>For &gt;50 To 100, Deduct</i>	-29.51	
			<i>For &gt;100 To 250, Deduct</i>	-44.26	
			<i>For &gt;250 To 500, Deduct</i>	-67.58	
			<i>For &gt;500 To 1000, Deduct</i>	-90.89	
			<i>For &gt;1000, Deduct</i>	-114.21	
26 56 19 00-0085	EA		3,300 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® RSW-HT-XXX-30W-40K-UL-GY-N).....	590.14	123.82
			<i>For Field Adjustable Output, Add</i>	33.75	
			<i>For Backlight Control Shield, Add</i>	68.62	
			<i>For Bird Spikes, Add</i>	93.36	
			<i>For &gt;50 To 100, Deduct</i>	-29.51	
			<i>For &gt;100 To 250, Deduct</i>	-44.26	
			<i>For &gt;250 To 500, Deduct</i>	-67.58	
			<i>For &gt;500 To 1000, Deduct</i>	-90.89	
			<i>For &gt;1000, Deduct</i>	-114.21	



<b>Electrical</b>	<b>26</b>	<b>26</b>
Lighting	26 50	
Exterior Lighting	26 56	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0086	EA		5,000 Lumens, 3000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® RSW-HT-2ME-50W-30K-UL-GY-N) .....	613.75	123.82
			<i>For Field Adjustable Output, Add</i>	33.75	
			<i>For Backlight Control Shield, Add</i>	68.62	
			<i>For Bird Spikes, Add</i>	93.36	
			<i>For &gt;50 To 100, Deduct</i>	-30.69	
			<i>For &gt;100 To 250, Deduct</i>	-46.03	
			<i>For &gt;250 To 500, Deduct</i>	-70.53	
			<i>For &gt;500 To 1000, Deduct</i>	-95.02	
			<i>For &gt;1000, Deduct</i>	-119.52	
26 56 19 00-0087	EA		5,000 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® RSW-HT-2ME-50W-40K-UL-GY-N) .....	613.75	123.82
			<i>For Field Adjustable Output, Add</i>	33.75	
			<i>For Backlight Control Shield, Add</i>	68.62	
			<i>For Bird Spikes, Add</i>	93.36	
			<i>For &gt;50 To 100, Deduct</i>	-30.69	
			<i>For &gt;100 To 250, Deduct</i>	-46.03	
			<i>For &gt;250 To 500, Deduct</i>	-70.53	
			<i>For &gt;500 To 1000, Deduct</i>	-95.02	
			<i>For &gt;1000, Deduct</i>	-119.52	
26 56 19 00-0088			<b>LED Roadway Lighting (Cooper Lighting)</b> <small>(26 56 19 00-0034)</small>		
26 56 19 00-0089			<b>Horizontal Tenon Mount, LED Roadway Fixtures (Cooper Lighting Streetworks NVN™)</b> <small>(26 56 19 00-0088)</small>		
			Note: UL wet listed. Includes 4,000K color temperature, 120-480 voltage, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.		
26 56 19 00-0090	EA		1 LED Light Square, 51 Watt, Horizontal Tenon Mount, LED Roadway Fixture (Cooper Lighting Streetworks™ NVN-AA) .....	944.66	123.82
			<i>For &gt;50 To 100, Deduct</i>	-47.23	
			<i>For &gt;100 To 250, Deduct</i>	-70.85	
			<i>For &gt;250 To 500, Deduct</i>	-111.89	
			<i>For &gt;500 To 1000, Deduct</i>	-152.93	
			<i>For &gt;1000, Deduct</i>	-193.98	
26 56 19 00-0091	EA		2 LED Light Squares, 103 Watt, Horizontal Tenon Mount, LED Roadway Fixture (Cooper Lighting Streetworks™ NVN-AA) .....	1,302.20	137.57
			<i>For &gt;50 To 100, Deduct</i>	-65.11	
			<i>For &gt;100 To 250, Deduct</i>	-97.67	
			<i>For &gt;250 To 500, Deduct</i>	-155.90	
			<i>For &gt;500 To 1000, Deduct</i>	-214.13	
			<i>For &gt;1000, Deduct</i>	-272.36	
26 56 19 00-0092	EA		3 LED Light Squares, 154 Watt, Horizontal Tenon Mount, LED Roadway Fixture (Cooper Lighting Streetworks™ NVN-AA) .....	1,389.13	158.22
			<i>For &gt;50 To 100, Deduct</i>	-69.46	
			<i>For &gt;100 To 250, Deduct</i>	-104.18	
			<i>For &gt;250 To 500, Deduct</i>	-165.73	
			<i>For &gt;500 To 1000, Deduct</i>	-227.28	
			<i>For &gt;1000, Deduct</i>	-288.82	
26 56 19 00-0093	EA		4 LED Light Squares, 206 Watt, Horizontal Tenon Mount, LED Roadway Fixture (Cooper Lighting Streetworks™ NVN-AA) .....	2,112.59	171.97
			<i>For &gt;50 To 100, Deduct</i>	-105.63	
			<i>For &gt;100 To 250, Deduct</i>	-158.44	
			<i>For &gt;250 To 500, Deduct</i>	-255.48	
			<i>For &gt;500 To 1000, Deduct</i>	-352.51	
			<i>For &gt;1000, Deduct</i>	-449.54	
26 56 19 00-0094	EA		6 LED Light Squares, 309 Watt, Horizontal Tenon Mount, LED Roadway Fixture (Cooper Lighting Streetworks™ NVN-AA) .....	2,792.23	195.79
			<i>For &gt;50 To 100, Deduct</i>	-139.61	
			<i>For &gt;100 To 250, Deduct</i>	-209.42	
			<i>For &gt;250 To 500, Deduct</i>	-339.24	
			<i>For &gt;500 To 1000, Deduct</i>	-469.06	
			<i>For &gt;1000, Deduct</i>	-598.88	
26 56 19 00-0095			<b>LED Roadway Lighting (PlanLED)</b> <small>(26 56 19 00-0034)</small>		
26 56 19 00-0096			<b>Horizontal Tenon Mount, LED Roadway Fixtures (PlanLED GigaTera HERA)</b> <small>(26 56 19 00-0095)</small>		
			Note: UL wet listed. Includes 3,000K, 4,000K or 5,000K color temperature, 120-277 voltage, integral 20kV surge suppression, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.		
26 56 19 00-0097	EA		8,500 Lumens, 85 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera HERA 85W) .....	1,155.85	120.38
			<i>For &gt;50 To 100, Deduct</i>	-57.79	
			<i>For &gt;100 To 250, Deduct</i>	-86.69	
			<i>For &gt;250 To 500, Deduct</i>	-138.46	
			<i>For &gt;500 To 1000, Deduct</i>	-190.24	
			<i>For &gt;1000, Deduct</i>	-242.01	
26 56 19 00-0098	EA		11,000 Lumens, 110 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera HERA 110W) .....	1,263.93	121.71
			<i>For &gt;50 To 100, Deduct</i>	-63.20	
			<i>For &gt;100 To 250, Deduct</i>	-94.79	
			<i>For &gt;250 To 500, Deduct</i>	-151.91	
			<i>For &gt;500 To 1000, Deduct</i>	-209.02	
			<i>For &gt;1000, Deduct</i>	-266.13	

<b>26</b>	<b>Electrical</b>
<b>26 50</b>	<b>Lighting</b>
<b>26 56</b>	<b>Exterior Lighting</b>



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0099	EA	15,000 Lumens, 150 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera HERA 150W) .....	1,348.28	123.82
		<i>For &gt;50 To 100, Deduct</i>	-67.41	
		<i>For &gt;100 To 250, Deduct</i>	-101.12	
		<i>For &gt;250 To 500, Deduct</i>	-162.34	
		<i>For &gt;500 To 1000, Deduct</i>	-223.57	
		<i>For &gt;1000, Deduct</i>	-284.79	
<b>26 56 19 00-0100</b>		<b>Horizontal Tenon Mount, LED Roadway Fixtures (PlanLED GigaTera SETA)</b> <small>(26 56 19 00-0095)</small>		
		Note: UL wet listed. Includes 3,000K, 3,500K, 4,000K or 5,000K color temperature, 120-277 voltage, integral 20kV surge suppression, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.		
26 56 19 00-0101	EA	7,200 Lumens, 60 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera SETA SET060) .....	734.66	117.47
		<i>For &gt;50 To 100, Deduct</i>	-36.73	
		<i>For &gt;100 To 250, Deduct</i>	-55.10	
		<i>For &gt;250 To 500, Deduct</i>	-85.96	
		<i>For &gt;500 To 1000, Deduct</i>	-116.82	
		<i>For &gt;1000, Deduct</i>	-147.68	
26 56 19 00-0102	EA	10,000 Lumens, 80 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera SETA SET080) .....	791.61	119.58
		<i>For &gt;50 To 100, Deduct</i>	-39.58	
		<i>For &gt;100 To 250, Deduct</i>	-59.37	
		<i>For &gt;250 To 500, Deduct</i>	-92.97	
		<i>For &gt;500 To 1000, Deduct</i>	-126.57	
		<i>For &gt;1000, Deduct</i>	-160.17	
26 56 19 00-0103	EA	12,500 Lumens, 100 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera SETA SET100) .....	882.29	121.71
		<i>For &gt;50 To 100, Deduct</i>	-44.11	
		<i>For &gt;100 To 250, Deduct</i>	-66.17	
		<i>For &gt;250 To 500, Deduct</i>	-104.20	
		<i>For &gt;500 To 1000, Deduct</i>	-142.23	
		<i>For &gt;1000, Deduct</i>	-180.26	
<b>26 56 19 00-0104</b>		<b>Horizontal Tenon Mount, LED Roadway Fixtures (PlanLED GigaTera META)</b> <small>(26 56 19 00-0095)</small>		
		Note: UL wet listed. Includes 3,000K, 4,000K or 5,000K color temperature, 120-277 voltage, integral 20kV surge suppression, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.		
26 56 19 00-0105	EA	13,000 Lumens, 100 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera META MT100).....	943.43	121.71
		<i>For 0 To 10 Volt Dimming, Add</i>	91.12	
		<i>For 347-480 Volt, Add</i>	91.12	
		<i>For &gt;50 To 100, Deduct</i>	-47.17	
		<i>For &gt;100 To 250, Deduct</i>	-70.76	
		<i>For &gt;250 To 500, Deduct</i>	-111.84	
		<i>For &gt;500 To 1000, Deduct</i>	-152.93	
		<i>For &gt;1000, Deduct</i>	-194.02	
26 56 19 00-0106	EA	16,900 Lumens, 130 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera META MT130).....	1,055.19	122.77
		<i>For 0 To 10 Volt Dimming, Add</i>	91.12	
		<i>For 347-480 Volt, Add</i>	27.52	
		<i>For &gt;50 To 100, Deduct</i>	-52.76	
		<i>For &gt;100 To 250, Deduct</i>	-79.14	
		<i>For &gt;250 To 500, Deduct</i>	-125.76	
		<i>For &gt;500 To 1000, Deduct</i>	-172.38	
		<i>For &gt;1000, Deduct</i>	-219.00	
26 56 19 00-0107	EA	19,500 Lumens, 150 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera META MT150).....	1,141.65	123.82
		<i>For 0 To 10 Volt Dimming, Add</i>	91.12	
		<i>For 347-480 Volt, Add</i>	113.84	
		<i>For &gt;50 To 100, Deduct</i>	-57.08	
		<i>For &gt;100 To 250, Deduct</i>	-85.62	
		<i>For &gt;250 To 500, Deduct</i>	-136.52	
		<i>For &gt;500 To 1000, Deduct</i>	-187.41	
		<i>For &gt;1000, Deduct</i>	-238.30	
26 56 19 00-0108		<b>LED Roadway Lighting (General Electric)</b> <small>(26 56 19 00-0034)</small>		
<b>26 56 19 00-0109</b>		<b>Horizontal Tenon Mount, LED Cobra Head Street Lights (General Electric)</b> <small>(26 56 19 00-0108)</small>		
		Note: UL wet listed. Includes 4,000K or 5,700K color temperature, 120-480 voltage, die-cast extruded aluminum housing assembly and black or gray powder coat finish. Excludes sensors.		
26 56 19 00-0110	EA	2,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL1 0 02XX 40 A GRAY) .....	541.83	116.94
		<i>For LightGrid™ Wireless Outdoor Controller, Add</i>	20.00	
		<i>For &gt;50 To 100, Deduct</i>	-27.09	
		<i>For &gt;100 To 250, Deduct</i>	-40.64	
		<i>For &gt;250 To 500, Deduct</i>	-61.88	
		<i>For &gt;500 To 1000, Deduct</i>	-83.13	
		<i>For &gt;1000, Deduct</i>	-104.37	
26 56 19 00-0111	EA	3,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL1 0 03XX 40 A GRAY) .....	545.00	118.53
		<i>For LightGrid™ Wireless Outdoor Controller, Add</i>	20.00	
		<i>For &gt;50 To 100, Deduct</i>	-27.25	
		<i>For &gt;100 To 250, Deduct</i>	-40.88	
		<i>For &gt;250 To 500, Deduct</i>	-62.20	
		<i>For &gt;500 To 1000, Deduct</i>	-83.52	
		<i>For &gt;1000, Deduct</i>	-104.85	





<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Lighting</b>	<b>26 50</b>	
<b>Exterior Lighting</b>	<b>26 56</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0112 EA 4,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL1 0 04XX 40 A GRAY).....	570.02	120.38
For LightGrid™ Wireless Outdoor Controller, Add	20.00	
For >50 To 100, Deduct	-28.50	
For >100 To 250, Deduct	-42.75	
For >250 To 500, Deduct	-65.23	
For >500 To 1000, Deduct	-87.72	
For >1000, Deduct	-110.20	
26 56 19 00-0113 EA 5,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL1 0 05XX 40 A GRAY).....	595.91	121.71
For LightGrid™ Wireless Outdoor Controller, Add	20.00	
For >50 To 100, Deduct	-29.80	
For >100 To 250, Deduct	-44.69	
For >250 To 500, Deduct	-68.40	
For >500 To 1000, Deduct	-92.11	
For >1000, Deduct	-115.82	
26 56 19 00-0114 EA 7,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL1 0 07XX 40 A GRAY).....	665.11	124.35
For LightGrid™ Wireless Outdoor Controller, Add	20.00	
For >50 To 100, Deduct	-33.26	
For >100 To 250, Deduct	-49.88	
For >250 To 500, Deduct	-76.92	
For >500 To 1000, Deduct	-103.96	
For >1000, Deduct	-131.00	
26 56 19 00-0115 EA 8,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL1 0 08XX 40 A GRAY).....	702.09	125.41
For LightGrid™ Wireless Outdoor Controller, Add	20.00	
For >50 To 100, Deduct	-35.10	
For >100 To 250, Deduct	-52.66	
For >250 To 500, Deduct	-81.49	
For >500 To 1000, Deduct	-110.32	
For >1000, Deduct	-139.16	
26 56 19 00-0116 EA 9,800 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL1 0 10XX 40 A GRAY).....	771.65	127.26
For LightGrid™ Wireless Outdoor Controller, Add	20.00	
For >50 To 100, Deduct	-38.58	
For >100 To 250, Deduct	-57.87	
For >250 To 500, Deduct	-90.09	
For >500 To 1000, Deduct	-122.31	
For >1000, Deduct	-154.53	
26 56 19 00-0117 EA 13,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERLH 0 13XX 40 A GRAY).....	919.91	130.70
For LightGrid™ Wireless Outdoor Controller, Add	20.00	
For >50 To 100, Deduct	-46.00	
For >100 To 250, Deduct	-68.99	
For >250 To 500, Deduct	-108.45	
For >500 To 1000, Deduct	-147.91	
For >1000, Deduct	-187.37	
26 56 19 00-0118 EA 19,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL2 0 19XX 40 A GRAY).....	1,088.62	137.57
For LightGrid™ Wireless Outdoor Controller, Add	20.00	
For >50 To 100, Deduct	-54.43	
For >100 To 250, Deduct	-81.65	
For >250 To 500, Deduct	-129.20	
For >500 To 1000, Deduct	-176.75	
For >1000, Deduct	-224.30	
<b>26 56 19 00-0119 LED Roadway Lighting (Acuity AEL Autobahn) (26 56 19 00-0034)</b>		
<b>26 56 19 00-0120 Horizontal Tenon Mount, LED Cobra Head Street Lights (Acuity AEL Autobahn) (26 56 19 00-0119)</b>		
Note: UL wet listed. Includes 4,000K or 5,000K color temperature, 120-480 voltage, integral 10kV surge suppression, 0-10V dimming, die-cast extruded aluminum housing assembly and white, black, gray, graphite or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0121 EA 4,200 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Acuity AEL Autobahn ATB0 20ALEDE70).....	1,117.90	120.38
For >50 To 100, Deduct	-55.90	
For >100 To 250, Deduct	-83.84	
For >250 To 500, Deduct	-133.72	
For >500 To 1000, Deduct	-183.59	
For >1000, Deduct	-233.47	
26 56 19 00-0122 EA 6,700 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Acuity AEL Autobahn ATB0 30BLEDE70).....	1,406.06	123.82
For >50 To 100, Deduct	-70.30	
For >100 To 250, Deduct	-105.45	
For >250 To 500, Deduct	-169.57	
For >500 To 1000, Deduct	-233.68	
For >1000, Deduct	-297.79	
26 56 19 00-0123 EA 9,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Acuity AEL Autobahn ATB2 40BLEDE70).....	1,992.30	127.26
For >50 To 100, Deduct	-99.62	
For >100 To 250, Deduct	-149.42	
For >250 To 500, Deduct	-242.67	
For >500 To 1000, Deduct	-335.93	
For >1000, Deduct	-429.18	

<b>26</b>	<b>Electrical</b>
<b>26 50</b>	<b>Lighting</b>
<b>26 56</b>	<b>Exterior Lighting</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0124 EA 13,500 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Acuity AEL Autobahn ATB2 60BLEDE70).....	2,581.56	132.29
For >50 To 100, Deduct	-129.08	
For >100 To 250, Deduct	-193.62	
For >250 To 500, Deduct	-316.08	
For >500 To 1000, Deduct	-438.54	
For >1000, Deduct	-561.01	
26 56 19 00-0125 EA 17,800 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Acuity AEL Autobahn ATB2 80BLEDE70).....	3,158.28	135.99
For >50 To 100, Deduct	-157.91	
For >100 To 250, Deduct	-236.87	
For >250 To 500, Deduct	-387.99	
For >500 To 1000, Deduct	-539.10	
For >1000, Deduct	-690.21	
<b>26 56 19 00-0126 LED Roadway Lighting (Leotek) (26 56 19 00-0034)</b>		
<b>26 56 19 00-0127 Horizontal Tenon Mount, LED Cobra Head Street Lights (Leotek) (26 56 19 00-0126)</b>		
Note: UL wet listed. Includes 4,000K color temperature, 120-277 voltage, integral surge protector, die-cast and extruded aluminum housing assembly and gray powder coat finish. Excludes sensors.		
26 56 19 00-0128 EA Up To 3,900 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC1-4M2-MV-NW-X-GY-XXX-WL).....	553.94	120.38
For LightGrid™ Wireless Outdoor Controller, Add	20.00	
For Twist Lock Shorting Cap, Add	9.68	
For ANSI 7-wire Photocontrol Receptacle, Add	29.05	
For Ripley Long-Life Twist Lock Photocontrol, Add	51.98	
For >50 To 100, Deduct	-27.70	
For >100 To 250, Deduct	-41.55	
For >250 To 500, Deduct	-63.22	
For >500 To 1000, Deduct	-84.90	
For >1000, Deduct	-106.58	
26 56 19 00-0129 EA Up To 5,150 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC1-4M2-MV-NW-X-GY-1AMP-WL).....	566.76	121.71
For LightGrid™ Wireless Outdoor Controller, Add	20.00	
For Twist Lock Shorting Cap, Add	9.68	
For ANSI 7-wire Photocontrol Receptacle, Add	29.05	
For Ripley Long-Life Twist Lock Photocontrol, Add	51.98	
For >50 To 100, Deduct	-28.34	
For >100 To 250, Deduct	-42.51	
For >250 To 500, Deduct	-64.76	
For >500 To 1000, Deduct	-87.01	
For >1000, Deduct	-109.27	
26 56 19 00-0130 EA Up To 5,950 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC1-6M2-MV-NW-X-GY-XXX-WL).....	609.01	122.50
For LightGrid™ Wireless Outdoor Controller, Add	20.00	
For Twist Lock Shorting Cap, Add	9.68	
For ANSI 7-wire Photocontrol Receptacle, Add	29.05	
For Ripley Long-Life Twist Lock Photocontrol, Add	51.98	
For >50 To 100, Deduct	-30.45	
For >100 To 250, Deduct	-45.68	
For >250 To 500, Deduct	-70.00	
For >500 To 1000, Deduct	-94.33	
For >1000, Deduct	-118.65	
26 56 19 00-0131 EA Up To 9,550 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC3-10M2-MV-NW-X-GY-XXX-WL).....	716.16	127.26
For LightGrid™ Wireless Outdoor Controller, Add	20.00	
For Twist Lock Shorting Cap, Add	9.68	
For ANSI 7-wire Photocontrol Receptacle, Add	29.05	
For Ripley Long-Life Twist Lock Photocontrol, Add	51.98	
For >50 To 100, Deduct	-35.81	
For >100 To 250, Deduct	-53.71	
For >250 To 500, Deduct	-83.16	
For >500 To 1000, Deduct	-112.60	
For >1000, Deduct	-142.05	
26 56 19 00-0132 EA Up To 11,450 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC4-12M2-MV-NW-X-GY-XXX-WL).....	849.12	130.70
For LightGrid™ Wireless Outdoor Controller, Add	20.00	
For Twist Lock Shorting Cap, Add	9.68	
For ANSI 7-wire Photocontrol Receptacle, Add	29.05	
For Ripley Long-Life Twist Lock Photocontrol, Add	51.98	
For >50 To 100, Deduct	-42.46	
For >100 To 250, Deduct	-63.68	
For >250 To 500, Deduct	-99.61	
For >500 To 1000, Deduct	-135.53	
For >1000, Deduct	-171.45	
26 56 19 00-0133 EA Up To 14,550 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC4-15M2-MV-NW-X-GY-XXX-WL).....	853.36	132.82
For LightGrid™ Wireless Outdoor Controller, Add	20.00	
For Twist Lock Shorting Cap, Add	9.68	
For ANSI 7-wire Photocontrol Receptacle, Add	29.05	
For Ripley Long-Life Twist Lock Photocontrol, Add	51.98	
For >50 To 100, Deduct	-42.67	
For >100 To 250, Deduct	-64.00	
For >250 To 500, Deduct	-100.03	
For >500 To 1000, Deduct	-136.06	
For >1000, Deduct	-172.08	



<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Lighting</b>	<b>26 50</b>	
<b>Exterior Lighting</b>	<b>26 56</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0134 EA Up To 16,900 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC7-18M2-MV-NW-X-GY-XXX-WL).....	1,062.98	134.93
For LightGrid™ Wireless Outdoor Controller, Add	20.00	
For Twist Lock Shorting Cap, Add	9.68	
For ANSI 7-wire Photocontrol Receptacle, Add	29.05	
For Ripley Long-Life Twist Lock Photocontrol, Add	51.98	
For >50 To 100, Deduct	-53.15	
For >100 To 250, Deduct	-79.72	
For >250 To 500, Deduct	-126.13	
For >500 To 1000, Deduct	-172.53	
For >1000, Deduct	-218.93	
26 56 19 00-0135 EA Up To 18,750 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC7-20M2-MV-NW-X-GY-XXX-WL).....	1,117.09	137.57
For LightGrid™ Wireless Outdoor Controller, Add	20.00	
For Twist Lock Shorting Cap, Add	9.68	
For ANSI 7-wire Photocontrol Receptacle, Add	29.05	
For Ripley Long-Life Twist Lock Photocontrol, Add	51.98	
For >50 To 100, Deduct	-55.85	
For >100 To 250, Deduct	-83.78	
For >250 To 500, Deduct	-132.76	
For >500 To 1000, Deduct	-181.73	
For >1000, Deduct	-230.71	
26 56 19 00-0136 EA Up To 22,700 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC7-24M2-MV-NW-X-GY-XXX-WL).....	1,255.54	139.70
For LightGrid™ Wireless Outdoor Controller, Add	20.00	
For Twist Lock Shorting Cap, Add	9.68	
For ANSI 7-wire Photocontrol Receptacle, Add	29.05	
For Ripley Long-Life Twist Lock Photocontrol, Add	51.98	
For >50 To 100, Deduct	-62.78	
For >100 To 250, Deduct	-94.17	
For >250 To 500, Deduct	-149.96	
For >500 To 1000, Deduct	-205.75	
For >1000, Deduct	-261.54	
26 56 19 00-0137 EA Up To 29,150 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC9-30M2-MV-NW-X-GY-XXX-WL).....	1,351.29	141.81
For LightGrid™ Wireless Outdoor Controller, Add	20.00	
For Twist Lock Shorting Cap, Add	9.68	
For ANSI 7-wire Photocontrol Receptacle, Add	29.05	
For Ripley Long-Life Twist Lock Photocontrol, Add	51.98	
For >50 To 100, Deduct	-67.56	
For >100 To 250, Deduct	-101.35	
For >250 To 500, Deduct	-161.82	
For >500 To 1000, Deduct	-222.29	
For >1000, Deduct	-282.77	
26 56 19 00-0138 EA Up To 4,800 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC1-20F-MV-NW-X-GY-XXX-WL).....	652.17	121.71
For LightGrid™ Wireless Outdoor Controller, Add	20.00	
For Twist Lock Shorting Cap, Add	9.68	
For ANSI 7-wire Photocontrol Receptacle, Add	29.05	
For Ripley Long-Life Twist Lock Photocontrol, Add	51.98	
For >50 To 100, Deduct	-32.61	
For >100 To 250, Deduct	-48.91	
For >250 To 500, Deduct	-75.44	
For >500 To 1000, Deduct	-101.96	
For >1000, Deduct	-128.48	
26 56 19 00-0139 EA Up To 7,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC1-30F-MV-NW-X-GY-XXX-WL).....	721.56	124.88
For LightGrid™ Wireless Outdoor Controller, Add	20.00	
For Twist Lock Shorting Cap, Add	9.68	
For ANSI 7-wire Photocontrol Receptacle, Add	29.05	
For Ripley Long-Life Twist Lock Photocontrol, Add	51.98	
For >50 To 100, Deduct	-36.08	
For >100 To 250, Deduct	-54.12	
For >250 To 500, Deduct	-83.95	
For >500 To 1000, Deduct	-113.79	
For >1000, Deduct	-143.62	
26 56 19 00-0140 EA Up To 9,300 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC1-40F-MV-NW-X-GY-XXX-WL).....	783.27	127.26
For LightGrid™ Wireless Outdoor Controller, Add	20.00	
For Twist Lock Shorting Cap, Add	9.68	
For ANSI 7-wire Photocontrol Receptacle, Add	29.05	
For Ripley Long-Life Twist Lock Photocontrol, Add	51.98	
For >50 To 100, Deduct	-39.16	
For >100 To 250, Deduct	-58.75	
For >250 To 500, Deduct	-91.55	
For >500 To 1000, Deduct	-124.35	
For >1000, Deduct	-157.15	

**26 Electrical**  
**26 50 Lighting**  
**26 56 Exterior Lighting**



MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
26 56 19 00-0141	EA	Up To 12,300 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC1-40F-MV-NW-X-GY-1AMP-WL).....		835.86	130.17
		<i>For LightGrid™ Wireless Outdoor Controller, Add</i>		20.00	
		<i>For Twist Lock Shorting Cap, Add</i>		9.68	
		<i>For ANSI 7-wire Photocontrol Receptacle, Add</i>		29.05	
		<i>For Ripley Long-Life Twist Lock Photocontrol, Add</i>		51.98	
		<i>For &gt;50 To 100, Deduct</i>		-41.79	
		<i>For &gt;100 To 250, Deduct</i>		-62.69	
		<i>For &gt;250 To 500, Deduct</i>		-97.97	
		<i>For &gt;500 To 1000, Deduct</i>		-133.26	
		<i>For &gt;1000, Deduct</i>		-168.54	
26 56 19 00-0142	EA	Up To 13,400 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC1-60F-MV-NW-X-GY-XXX-WL).....		890.84	131.23
		<i>For LightGrid™ Wireless Outdoor Controller, Add</i>		20.00	
		<i>For Twist Lock Shorting Cap, Add</i>		9.68	
		<i>For ANSI 7-wire Photocontrol Receptacle, Add</i>		29.05	
		<i>For Ripley Long-Life Twist Lock Photocontrol, Add</i>		51.98	
		<i>For &gt;50 To 100, Deduct</i>		-44.54	
		<i>For &gt;100 To 250, Deduct</i>		-66.81	
		<i>For &gt;250 To 500, Deduct</i>		-104.79	
		<i>For &gt;500 To 1000, Deduct</i>		-142.77	
		<i>For &gt;1000, Deduct</i>		-180.76	
26 56 19 00-0143	EA	Up To 17,700 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC1-80F-MV-NW-X-GY-XXX-WL).....		1,073.23	135.99
		<i>For LightGrid™ Wireless Outdoor Controller, Add</i>		20.00	
		<i>For Twist Lock Shorting Cap, Add</i>		9.68	
		<i>For ANSI 7-wire Photocontrol Receptacle, Add</i>		29.05	
		<i>For Ripley Long-Life Twist Lock Photocontrol, Add</i>		51.98	
		<i>For &gt;50 To 100, Deduct</i>		-53.66	
		<i>For &gt;100 To 250, Deduct</i>		-80.49	
		<i>For &gt;250 To 500, Deduct</i>		-127.35	
		<i>For &gt;500 To 1000, Deduct</i>		-174.22	
		<i>For &gt;1000, Deduct</i>		-221.08	
26 56 19 00-0144	EA	Up To 19,800 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC2-90F-MV-NW-X-GY-XXX-WL).....		1,222.91	138.63
		<i>For LightGrid™ Wireless Outdoor Controller, Add</i>		20.00	
		<i>For Twist Lock Shorting Cap, Add</i>		9.68	
		<i>For ANSI 7-wire Photocontrol Receptacle, Add</i>		29.05	
		<i>For Ripley Long-Life Twist Lock Photocontrol, Add</i>		51.98	
		<i>For &gt;50 To 100, Deduct</i>		-61.15	
		<i>For &gt;100 To 250, Deduct</i>		-91.72	
		<i>For &gt;250 To 500, Deduct</i>		-145.93	
		<i>For &gt;500 To 1000, Deduct</i>		-200.15	
		<i>For &gt;1000, Deduct</i>		-254.36	
26 56 19 00-0145	EA	Up To 22,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC2-100F-MV-NW-X-GY-XXX-WL).....		1,305.32	139.17
		<i>For LightGrid™ Wireless Outdoor Controller, Add</i>		20.00	
		<i>For Twist Lock Shorting Cap, Add</i>		9.68	
		<i>For ANSI 7-wire Photocontrol Receptacle, Add</i>		29.05	
		<i>For Ripley Long-Life Twist Lock Photocontrol, Add</i>		51.98	
		<i>For &gt;50 To 100, Deduct</i>		-65.27	
		<i>For &gt;100 To 250, Deduct</i>		-97.90	
		<i>For &gt;250 To 500, Deduct</i>		-156.21	
		<i>For &gt;500 To 1000, Deduct</i>		-214.51	
		<i>For &gt;1000, Deduct</i>		-272.82	
26 56 19 00-0146	EA	Up To 26,400 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC2-120F-MV-NW-X-GY-XXX-WL).....		1,383.73	140.76
		<i>For LightGrid™ Wireless Outdoor Controller, Add</i>		20.00	
		<i>For Twist Lock Shorting Cap, Add</i>		9.68	
		<i>For ANSI 7-wire Photocontrol Receptacle, Add</i>		29.05	
		<i>For Ripley Long-Life Twist Lock Photocontrol, Add</i>		51.98	
		<i>For &gt;50 To 100, Deduct</i>		-69.19	
		<i>For &gt;100 To 250, Deduct</i>		-103.78	
		<i>For &gt;250 To 500, Deduct</i>		-165.93	
		<i>For &gt;500 To 1000, Deduct</i>		-228.08	
		<i>For &gt;1000, Deduct</i>		-290.23	
26 56 19 00-0147	EA	Up To 11,720 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCM2-30H-MV-NW-X-GY-1AMP).....		698.81	132.82
		<i>For LightGrid™ Wireless Outdoor Controller, Add</i>		20.00	
		<i>For Twist Lock Shorting Cap, Add</i>		9.68	
		<i>For ANSI 7-wire Photocontrol Receptacle, Add</i>		29.05	
		<i>For Ripley Long-Life Twist Lock Photocontrol, Add</i>		51.98	
		<i>For &gt;50 To 100, Deduct</i>		-34.94	
		<i>For &gt;100 To 250, Deduct</i>		-52.41	
		<i>For &gt;250 To 500, Deduct</i>		-80.71	
		<i>For &gt;500 To 1000, Deduct</i>		-109.01	
		<i>For &gt;1000, Deduct</i>		-137.31	



<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Lighting</b>	<b>26 50</b>	
<b>Exterior Lighting</b>	<b>26 56</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0148 EA Up To 15,430 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCM2-40H-MV-NW-X-GY-1AMP).....	762.45	134.13
For LightGrid™ Wireless Outdoor Controller, Add	20.00	
For Twist Lock Shorting Cap, Add	9.68	
For ANSI 7-wire Photocontrol Receptacle, Add	29.05	
For Ripley Long-Life Twist Lock Photocontrol, Add	51.98	
For >50 To 100, Deduct	-38.12	
For >100 To 250, Deduct	-57.18	
For >250 To 500, Deduct	-88.60	
For >500 To 1000, Deduct	-120.01	
For >1000, Deduct	-151.43	
26 56 19 00-0149 EA Up To 4,180 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCJ0-15H-MV-NW-X-GY-XXX-WL).....	525.56	121.44
For LightGrid™ Wireless Outdoor Controller, Add	20.00	
For Twist Lock Shorting Cap, Add	9.68	
For ANSI 7-wire Photocontrol Receptacle, Add	29.05	
For Ripley Long-Life Twist Lock Photocontrol, Add	51.98	
For >50 To 100, Deduct	-26.28	
For >100 To 250, Deduct	-39.42	
For >250 To 500, Deduct	-59.62	
For >500 To 1000, Deduct	-79.83	
For >1000, Deduct	-100.04	
26 56 19 00-0150 EA Up To 5,510 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCJ1-20H-MV-NW-X-GY-XXX-WL).....	535.80	122.50
For LightGrid™ Wireless Outdoor Controller, Add	20.00	
For Twist Lock Shorting Cap, Add	9.68	
For ANSI 7-wire Photocontrol Receptacle, Add	29.05	
For Ripley Long-Life Twist Lock Photocontrol, Add	51.98	
For >50 To 100, Deduct	-26.79	
For >100 To 250, Deduct	-40.19	
For >250 To 500, Deduct	-60.85	
For >500 To 1000, Deduct	-81.52	
For >1000, Deduct	-102.18	
26 56 19 00-0151 EA Up To 7,430 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCJ2-20H-MV-NW-X-GY-1AMP-WL).....	587.34	124.88
For LightGrid™ Wireless Outdoor Controller, Add	20.00	
For Twist Lock Shorting Cap, Add	9.68	
For ANSI 7-wire Photocontrol Receptacle, Add	29.05	
For Ripley Long-Life Twist Lock Photocontrol, Add	51.98	
For >50 To 100, Deduct	-29.37	
For >100 To 250, Deduct	-44.05	
For >250 To 500, Deduct	-67.17	
For >500 To 1000, Deduct	-90.30	
For >1000, Deduct	-113.42	
26 56 19 00-0152 EA Up To 16,400 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCL1-60G-MV-NW-X-GY-XXX-WL).....	938.93	134.93
For LightGrid™ Wireless Outdoor Controller, Add	20.00	
For Twist Lock Shorting Cap, Add	9.68	
For ANSI 7-wire Photocontrol Receptacle, Add	29.05	
For Ripley Long-Life Twist Lock Photocontrol, Add	51.98	
For >50 To 100, Deduct	-46.95	
For >100 To 250, Deduct	-70.42	
For >250 To 500, Deduct	-110.62	
For >500 To 1000, Deduct	-150.82	
For >1000, Deduct	-191.02	
26 56 19 00-0153 EA Up To 22,100 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCL1-80G-MV-NW-X-GY-XXX-WL).....	1,248.38	139.17
For LightGrid™ Wireless Outdoor Controller, Add	20.00	
For Twist Lock Shorting Cap, Add	9.68	
For ANSI 7-wire Photocontrol Receptacle, Add	29.05	
For Ripley Long-Life Twist Lock Photocontrol, Add	51.98	
For >50 To 100, Deduct	-62.42	
For >100 To 250, Deduct	-93.63	
For >250 To 500, Deduct	-149.09	
For >500 To 1000, Deduct	-204.55	
For >1000, Deduct	-260.01	
26 56 19 00-0154 EA Up To 22,900 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCL2-60G-MV-NW-X-GY-1AMP-WL).....	1,103.01	139.70
For LightGrid™ Wireless Outdoor Controller, Add	20.00	
For Twist Lock Shorting Cap, Add	9.68	
For ANSI 7-wire Photocontrol Receptacle, Add	29.05	
For Ripley Long-Life Twist Lock Photocontrol, Add	51.98	
For >50 To 100, Deduct	-55.15	
For >100 To 250, Deduct	-82.73	
For >250 To 500, Deduct	-130.89	
For >500 To 1000, Deduct	-179.06	
For >1000, Deduct	-227.22	
26 56 19 00-0155 EA Up To 5,484 Lumens, Horizontal Tenon Mount, LED Security Light (Leotek® SafeGuard™ SG1-01-MV-NW-5-GY).....	501.68	121.71
For Twist Lock Shorting Cap, Add	9.68	
For ANSI 7-wire Photocontrol Receptacle, Add	29.05	
For Ripley Long-Life Twist Lock Photocontrol, Add	51.98	
For >50 To 100, Deduct	-25.08	
For >100 To 250, Deduct	-37.63	
For >250 To 500, Deduct	-56.62	
For >500 To 1000, Deduct	-75.62	
For >1000, Deduct	-94.62	

<b>26</b>	<b>Electrical</b>
<b>26 50</b>	<b>Lighting</b>
<b>26 56</b>	<b>Exterior Lighting</b>



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

26 56 19 00-0156	LED, Area Fixtures <small>(26 56 19)</small>		
26 56 19 00-0157	Pole Mount, LED Area Fixtures <small>(26 56 19 00-0156)</small>		
26 56 19 00-0158	Pole Mount, Rectangular, LED Architectural Area Fixtures (Lithonia DSX) <small>(26 56 19 00-0157)</small>		
	Note: UL wet listed. Includes 4,000K color temperature, 480 voltage, 700mA remote driver, die-cast extruded aluminum housing assembly and white, black, aluminum or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0159	EA 20 LEDs, 49 Watt, Pole Mount, LED Architectural Area Fixture (Lithonia DSXO LED) .....	2,439.21	89.95
	<i>For &gt;50 To 100, Deduct</i>	-121.96	
	<i>For &gt;100 To 250, Deduct</i>	-182.94	
	<i>For &gt;250 To 500, Deduct</i>	-300.40	
	<i>For &gt;500 To 1000, Deduct</i>	-417.87	
	<i>For &gt;1000, Deduct</i>	-535.33	
26 56 19 00-0160	EA 40 LEDs, 89 Watt, Pole Mount, LED Architectural Area Fixture (Lithonia DSXO LED) .....	2,630.54	95.25
	<i>For &gt;50 To 100, Deduct</i>	-131.53	
	<i>For &gt;100 To 250, Deduct</i>	-197.29	
	<i>For &gt;250 To 500, Deduct</i>	-324.06	
	<i>For &gt;500 To 1000, Deduct</i>	-450.82	
	<i>For &gt;1000, Deduct</i>	-577.58	
26 56 19 00-0161	EA 80 LEDs, 188 Watt, Pole Mount, LED Architectural Area Fixture (Lithonia DSX2 LED) .....	2,832.45	105.83
	<i>For &gt;50 To 100, Deduct</i>	-141.62	
	<i>For &gt;100 To 250, Deduct</i>	-212.43	
	<i>For &gt;250 To 500, Deduct</i>	-348.76	
	<i>For &gt;500 To 1000, Deduct</i>	-485.10	
	<i>For &gt;1000, Deduct</i>	-621.43	
26 56 19 00-0162	EA 100 LEDs, 218 Watt, Pole Mount, LED Architectural Area Fixture (Lithonia DSX2 LED) .....	2,843.03	111.12
	<i>For &gt;50 To 100, Deduct</i>	-142.15	
	<i>For &gt;100 To 250, Deduct</i>	-213.23	
	<i>For &gt;250 To 500, Deduct</i>	-349.82	
	<i>For &gt;500 To 1000, Deduct</i>	-486.42	
	<i>For &gt;1000, Deduct</i>	-623.01	
26 56 19 00-0163	Arm Mount, Rectangular, LED Area Fixtures (CREE® BetaLED® Edge® ARE-EDG) <small>(26 56 19 00-0157)</small>		
	Note: UL wet listed. Includes 4,000K or 5,700K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Includes Type III Medium optic. Excludes sensors. All fixtures without the backlight control shield are DLC qualified		
26 56 19 00-0164	EA 40 LEDs, 47 Watt, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG) .....	1,357.77	95.25
	<i>For Backlight Shielding, Add</i>	26.70	
	<i>For Type II Medium Optic, Add</i>	41.58	
	<i>For 347-480 Volt, Add</i>	107.03	
	<i>For Multi-Level Drive Currents, Add</i>	267.03	
	<i>For &gt;50 To 100, Deduct</i>	-67.89	
	<i>For &gt;100 To 250, Deduct</i>	-101.83	
	<i>For &gt;250 To 500, Deduct</i>	-164.96	
	<i>For &gt;500 To 1000, Deduct</i>	-228.09	
	<i>For &gt;1000, Deduct</i>	-291.21	
26 56 19 00-0165	EA 60 LEDs, 68 Watt, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG) .....	1,648.73	100.54
	<i>For Backlight Shielding, Add</i>	26.70	
	<i>For Type II Medium Optic, Add</i>	42.11	
	<i>For 347-480 Volt, Add</i>	107.03	
	<i>For Multi-Level Drive Currents, Add</i>	267.03	
	<i>For &gt;50 To 100, Deduct</i>	-82.44	
	<i>For &gt;100 To 250, Deduct</i>	-123.65	
	<i>For &gt;250 To 500, Deduct</i>	-201.06	
	<i>For &gt;500 To 1000, Deduct</i>	-278.47	
	<i>For &gt;1000, Deduct</i>	-355.88	
26 56 19 00-0166	EA 80 LEDs, 90 Watt, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG) .....	2,052.23	105.83
	<i>For Backlight Shielding, Add</i>	26.70	
	<i>For Type II Medium Optic, Add</i>	42.64	
	<i>For 347-480 Volt, Add</i>	107.03	
	<i>For Multi-Level Drive Currents, Add</i>	267.03	
	<i>For &gt;50 To 100, Deduct</i>	-102.61	
	<i>For &gt;100 To 250, Deduct</i>	-153.92	
	<i>For &gt;250 To 500, Deduct</i>	-251.24	
	<i>For &gt;500 To 1000, Deduct</i>	-348.56	
	<i>For &gt;1000, Deduct</i>	-445.88	
26 56 19 00-0167	EA 100 LEDs, 111 Watt, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG) .....	2,343.19	111.12
	<i>For Backlight Shielding, Add</i>	26.70	
	<i>For Type II Medium Optic, Add</i>	43.17	
	<i>For 347-480 Volt, Add</i>	107.03	
	<i>For Multi-Level Drive Currents, Add</i>	267.03	
	<i>For &gt;50 To 100, Deduct</i>	-117.16	
	<i>For &gt;100 To 250, Deduct</i>	-175.74	
	<i>For &gt;250 To 500, Deduct</i>	-287.34	
	<i>For &gt;500 To 1000, Deduct</i>	-398.95	
	<i>For &gt;1000, Deduct</i>	-510.55	



<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Lighting</b>	<b>26 50</b>	
<b>Exterior Lighting</b>	<b>26 56</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0168 EA 120 LEDs, 132 Watt, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG) .....	2,634.14	116.41
For Backlight Shielding, Add	26.70	
For Type II Medium Optic, Add	43.70	
For 347-480 Volt, Add	107.03	
For Multi-Level Drive Currents, Add	267.03	
For >50 To 100, Deduct	-131.71	
For >100 To 250, Deduct	-197.56	
For >250 To 500, Deduct	-323.45	
For >500 To 1000, Deduct	-449.33	
For >1000, Deduct	-575.22	
26 56 19 00-0169 EA 140 LEDs, 157 Watt, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG) .....	3,014.75	121.71
For Backlight Shielding, Add	26.70	
For Type II Medium Optic, Add	44.23	
For 347-480 Volt, Add	107.03	
For Multi-Level Drive Currents, Add	267.03	
For >50 To 100, Deduct	-150.74	
For >100 To 250, Deduct	-226.11	
For >250 To 500, Deduct	-370.76	
For >500 To 1000, Deduct	-515.41	
For >1000, Deduct	-660.06	
26 56 19 00-0170 EA 160 LEDs, 179 Watt, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG) .....	3,305.71	126.99
For Backlight Shielding, Add	26.70	
For Type II Medium Optic, Add	44.76	
For 347-480 Volt, Add	107.03	
For Multi-Level Drive Currents, Add	267.03	
For >50 To 100, Deduct	-165.29	
For >100 To 250, Deduct	-247.93	
For >250 To 500, Deduct	-406.86	
For >500 To 1000, Deduct	-565.80	
For >1000, Deduct	-724.74	
<b>26 56 19 00-0171 Direct Or Arm Mount, Rectangular, High Output, LED Area Fixtures (CREE® BetaLED® Edge® ARE-EHO) (26 56 19 00-0157)</b>		
Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 700mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0172 EA 120 LEDs, 267 System Watts, Direct Or Arm Mount, Rectangular, High Output, LED Area Fixture (CREE® BetaLED® Edge® ARE-EHO) .....	2,427.12	116.41
For 3 Or 7-Pin NEMA Photocell Receptacle, Add	22.49	
For Bird Spikes, Add	47.08	
For 5,000K Color Temperature, Add	56.24	
For Fuse, Add	67.48	
For 0 To 10 Volt Dimming, Add	67.48	
For 480 Volt, Add	101.23	
For Multi-Level, Add	146.21	
For 1,000mA Driver, Add	188.98	
For >50 To 100, Deduct	-121.36	
For >100 To 250, Deduct	-182.03	
For >250 To 500, Deduct	-297.57	
For >500 To 1000, Deduct	-413.11	
For >1000, Deduct	-528.64	
26 56 19 00-0173 EA 240 LEDs, 533 System Watts, Direct Or Arm Mount, Rectangular, High Output, LED Area Fixture (CREE® BetaLED® Edge® ARE-EHO) .....	4,133.46	142.87
For 3 Or 7-Pin NEMA Photocell Receptacle, Add	22.49	
For 5,000K Color Temperature, Add	56.24	
For Fuse, Add	67.48	
For 0 To 10 Volt Dimming, Add	67.48	
For Bird Spikes, Add	70.99	
For Multi-Level, Add	146.21	
For 1,000mA Driver, Add	188.96	
For 480 Volt, Add	202.45	
For >50 To 100, Deduct	-206.67	
For >100 To 250, Deduct	-310.01	
For >250 To 500, Deduct	-509.54	
For >500 To 1000, Deduct	-709.07	
For >1000, Deduct	-908.60	
<b>26 56 19 00-0174 Wall Mount, LED Area Fixtures (26 56 19 00-0156)</b>		
<b>26 56 19 00-0175 Wall Mount, LED Architectural Area Fixtures (Lithonia DSXW) (26 56 19 00-0174)</b>		
Note: UL wet listed. Includes 277 voltage, 700mA remote driver, die-cast extruded aluminum housing assembly and white, black, aluminum or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0176 EA 20 LEDs, 47 Watt, 4000K CCT, Wall Mount, LED Architectural Area Fixture (Lithonia DSXW2 LED) .....	1,049.29	89.95
For >50 To 100, Deduct	-52.46	
For >100 To 250, Deduct	-78.70	
For >250 To 500, Deduct	-126.66	
For >500 To 1000, Deduct	-174.63	
For >1000, Deduct	-222.60	
26 56 19 00-0177 EA 30 LEDs, 71 Watt, 4000K CCT, Wall Mount, LED Architectural Area Fixture (Lithonia DSXW2 LED) .....	1,070.45	100.54
For >50 To 100, Deduct	-53.52	
For >100 To 250, Deduct	-80.28	
For >250 To 500, Deduct	-128.78	
For >500 To 1000, Deduct	-177.28	
For >1000, Deduct	-225.77	

26	<b>26 Electrical</b>
	<b>26 50 Lighting</b>
	<b>26 56 Exterior Lighting</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 56 19 00-0178	Surface Mount, LED Parking Structure Fixtures <small>(26 56 19 00-0156)</small>		
26 56 19 00-0179	Surface Mount, Rectangular, LED Parking Structure Fixtures (CREE® BetaLED® Edge® PKG-EDG) <small>(26 56 19 00-0178)</small> Note: Direct or pendant mount. UL wet listed. Includes 5,700K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0180	EA 40 LEDs, 47 Watt, Surface Mount, Rectangular, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-EDG).....	1,189.93	95.25
	For Multi-Level Drive Currents, Add	267.03	
	For >50 To 100, Deduct	-59.50	
	For >100 To 250, Deduct	-89.24	
	For >250 To 500, Deduct	-143.98	
	For >500 To 1000, Deduct	-198.71	
	For >1000, Deduct	-253.45	
26 56 19 00-0181	EA 60 LEDs, 68 Watt, Surface Mount, Rectangular, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-EDG).....	1,480.89	100.54
	For Multi-Level Drive Currents, Add	267.03	
	For >50 To 100, Deduct	-74.04	
	For >100 To 250, Deduct	-111.07	
	For >250 To 500, Deduct	-180.08	
	For >500 To 1000, Deduct	-249.10	
	For >1000, Deduct	-318.12	
26 56 19 00-0182	EA 80 LEDs, 90 Watt, Surface Mount, Rectangular, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-EDG).....	1,771.85	105.83
	For Multi-Level Drive Currents, Add	267.03	
	For >50 To 100, Deduct	-88.59	
	For >100 To 250, Deduct	-132.89	
	For >250 To 500, Deduct	-216.19	
	For >500 To 1000, Deduct	-299.49	
	For >1000, Deduct	-382.79	
26 56 19 00-0183	EA 100 LEDs, 111 Watt, Surface Mount, Rectangular, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-EDG).....	2,062.81	111.12
	For Multi-Level Drive Currents, Add	267.03	
	For >50 To 100, Deduct	-103.14	
	For >100 To 250, Deduct	-154.71	
	For >250 To 500, Deduct	-252.30	
	For >500 To 1000, Deduct	-349.88	
	For >1000, Deduct	-447.46	
26 56 19 00-0184	Surface Mount, Square, LED Parking Structure Fixtures (CREE® BetaLED® Edge® PKG-304) <small>(26 56 19 00-0178)</small> Note: Direct or pendant mount. UL wet listed. Includes 5,700K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0185	EA 40 LEDs, 47 Watt, Surface Mount, Square, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-304).....	1,144.15	95.25
	For Multi-Level Drive Currents, Add	267.03	
	For >50 To 100, Deduct	-57.21	
	For >100 To 250, Deduct	-85.81	
	For >250 To 500, Deduct	-138.26	
	For >500 To 1000, Deduct	-190.70	
	For >1000, Deduct	-243.15	
26 56 19 00-0186	EA 60 LEDs, 68 Watt, Surface Mount, Square, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-304).....	1,267.26	100.54
	For Multi-Level Drive Currents, Add	267.03	
	For >50 To 100, Deduct	-63.36	
	For >100 To 250, Deduct	-95.04	
	For >250 To 500, Deduct	-153.38	
	For >500 To 1000, Deduct	-211.72	
	For >1000, Deduct	-270.05	
26 56 19 00-0187	Surface Mount, Square, LED Parking Structure Fixtures (CREE® BetaLED® VG) <small>(26 56 19 00-0178)</small> Note: UL wet listed. Includes 4,000K color temperature, 120-277 voltage, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0188	EA 3,700 Lumens, 50 Watt, Surface Mount, Square, LED Parking Structure Fixtures (CREE® BetaLED® VGADM5MA40KUL).....	943.23	95.25
	For >50 To 100, Deduct	-47.16	
	For >100 To 250, Deduct	-70.74	
	For >250 To 500, Deduct	-113.14	
	For >500 To 1000, Deduct	-155.54	
	For >1000, Deduct	-197.94	
26 56 19 00-0189	Surface Mount, Rectangular, LED Parking Structure Fixtures (Philips Gardco ELG) <small>(26 56 19 00-0178)</small> Note: Direct or pendant mount. UL wet listed. Includes 4,000K color temperature, 120-277 voltage, die-cast extruded aluminum housing assembly and aluminum finish. Excludes sensors.		





<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Lighting</b>	<b>26 50</b>	
<b>Exterior Lighting</b>	<b>26 56</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0190 EA 70 Watt, Surface Mount, Rectangular, LED Parking Structure Fixture (Philips Gardco ELG).....	1,927.37	100.54
For >50 To 100, Deduct	-96.37	
For >100 To 250, Deduct	-144.55	
For >250 To 500, Deduct	-235.89	
For >500 To 1000, Deduct	-327.24	
For >1000, Deduct	-418.58	
26 56 19 00-0191 EA 110 Watt, Surface Mount, Rectangular, LED Parking Structure Fixture (Philips Gardco ELG).....	1,948.54	111.12
For >50 To 100, Deduct	-97.43	
For >100 To 250, Deduct	-146.14	
For >250 To 500, Deduct	-238.01	
For >500 To 1000, Deduct	-329.88	
For >1000, Deduct	-421.75	
<b>26 56 19 00-0192 Surface Mount, LED Canopy Fixtures (26 56 19 00-0156)</b>		
<b>26 56 19 00-0193 Surface Mount, Rectangular, LED Canopy Fixtures (CREE® BetaLED® Edge® CAN-EDG) (26 56 19 00-0192)</b>		
Note: Direct or pendant mount. UL wet listed. Includes 6,000K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0194 EA 40 LEDs, 47 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG) .....	1,392.10	95.25
For Multi-Level Drive Currents, Add	267.03	
For >50 To 100, Deduct	-69.61	
For >100 To 250, Deduct	-104.41	
For >250 To 500, Deduct	-169.25	
For >500 To 1000, Deduct	-234.09	
For >1000, Deduct	-298.94	
26 56 19 00-0195 EA 60 LEDs, 68 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG) .....	1,683.06	100.54
For Multi-Level Drive Currents, Add	267.03	
For >50 To 100, Deduct	-84.15	
For >100 To 250, Deduct	-126.23	
For >250 To 500, Deduct	-205.36	
For >500 To 1000, Deduct	-284.48	
For >1000, Deduct	-363.61	
26 56 19 00-0196 EA 80 LEDs, 90 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG) .....	1,974.03	105.83
For Multi-Level Drive Currents, Add	267.03	
For >50 To 100, Deduct	-98.70	
For >100 To 250, Deduct	-148.05	
For >250 To 500, Deduct	-241.46	
For >500 To 1000, Deduct	-334.87	
For >1000, Deduct	-428.28	
26 56 19 00-0197 EA 100 LEDs, 111 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG).....	2,264.99	111.12
For Multi-Level Drive Currents, Add	267.03	
For >50 To 100, Deduct	-113.25	
For >100 To 250, Deduct	-169.87	
For >250 To 500, Deduct	-277.57	
For >500 To 1000, Deduct	-385.26	
For >1000, Deduct	-492.95	
26 56 19 00-0198 EA 120 LEDs, 132 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG).....	2,555.94	116.41
For Multi-Level Drive Currents, Add	267.03	
For >50 To 100, Deduct	-127.80	
For >100 To 250, Deduct	-191.70	
For >250 To 500, Deduct	-313.67	
For >500 To 1000, Deduct	-435.65	
For >1000, Deduct	-557.63	
26 56 19 00-0199 EA 140 LEDs, 157 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG).....	2,959.44	121.71
For Multi-Level Drive Currents, Add	267.03	
For >50 To 100, Deduct	-147.97	
For >100 To 250, Deduct	-221.96	
For >250 To 500, Deduct	-363.84	
For >500 To 1000, Deduct	-505.73	
For >1000, Deduct	-647.62	
26 56 19 00-0200 EA 160 LEDs, 179 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG).....	3,250.40	126.99
For Multi-Level Drive Currents, Add	267.03	
For >50 To 100, Deduct	-162.52	
For >100 To 250, Deduct	-243.78	
For >250 To 500, Deduct	-399.95	
For >500 To 1000, Deduct	-556.12	
For >1000, Deduct	-712.29	
26 56 19 00-0201 EA 200 LEDs, 221 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG).....	3,832.32	137.57
For Multi-Level Drive Currents, Add	267.03	
For >50 To 100, Deduct	-191.62	
For >100 To 250, Deduct	-287.42	
For >250 To 500, Deduct	-472.16	
For >500 To 1000, Deduct	-656.90	
For >1000, Deduct	-841.64	
26 56 19 00-0202 EA 240 LEDs, 264 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG).....	4,403.65	142.87
For Multi-Level Drive Currents, Add	267.03	
For >50 To 100, Deduct	-220.18	
For >100 To 250, Deduct	-330.27	
For >250 To 500, Deduct	-543.31	
For >500 To 1000, Deduct	-756.35	
For >1000, Deduct	-969.39	

<b>26</b>	<b>26</b>	<b>Electrical</b>
	<b>26 50</b>	<b>Lighting</b>
	<b>26 56</b>	<b>Exterior Lighting</b>



MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
26 56 19 00-0203		Surface Mount, Square, LED Canopy/Soffit Fixtures (CREE® BetaLED® CPY250) <small>(26 56 19 00-0192)</small> Note: UL wet listed. Includes 5,700K color temperature, 120-277 voltage, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.			
26 56 19 00-0204	EA	8,000 Lumens, 82 Watt, Surface Mount, Square, LED Canopy/Soffit Fixture (CREE® BetaLED® CPY250) .....	930.72		105.83
		<i>For &gt;50 To 100, Deduct</i>	-46.54		
		<i>For &gt;100 To 250, Deduct</i>	-69.80		
		<i>For &gt;250 To 500, Deduct</i>	-111.05		
		<i>For &gt;500 To 1000, Deduct</i>	-152.29		
		<i>For &gt;1000, Deduct</i>	-193.54		
26 56 19 00-0205		Recessed Mount, LED Soffit Fixtures <small>(26 56 19 00-0156)</small>			
26 56 19 00-0206		Recessed Mount, Square, LED Soffit Fixtures (CREE® BetaLED® SFT-304) <small>(26 56 19 00-0205)</small> Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.			
26 56 19 00-0207	EA	40 LEDs, 47 Watt, Recessed Mount, Square, LED Soffit Fixture (CREE® BetaLED® SFT-304).....	1,167.04		95.25
		<i>For &gt;50 To 100, Deduct</i>	-58.35		
		<i>For &gt;100 To 250, Deduct</i>	-87.53		
		<i>For &gt;250 To 500, Deduct</i>	-141.12		
		<i>For &gt;500 To 1000, Deduct</i>	-194.71		
		<i>For &gt;1000, Deduct</i>	-248.30		
26 56 19 00-0208	EA	60 LEDs, 68 Watt, Recessed Mount, Square, LED Soffit Fixture (CREE® BetaLED® SFT-304).....	1,290.15		100.54
		<i>For &gt;50 To 100, Deduct</i>	-64.51		
		<i>For &gt;100 To 250, Deduct</i>	-96.76		
		<i>For &gt;250 To 500, Deduct</i>	-156.24		
		<i>For &gt;500 To 1000, Deduct</i>	-215.72		
		<i>For &gt;1000, Deduct</i>	-275.20		
26 56 19 00-0209		Surface Mount, LED Area Fixtures <small>(26 56 19 00-0156)</small>			
26 56 19 00-0210		Surface Mount, Square, LED Multi-Purpose Area Fixtures (LSI Industries® Crossover® XPG) <small>(26 56 19 00-0209)</small> Note: UL wet listed. Includes 5,300K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black or silver powder coat finish. Excludes sensors.			
26 56 19 00-0211	EA	50 LEDs, 59 Watt, Surface Mount, Square, LED Multi-Purpose Area Fixture (LSI Industries® Crossover® XPG) .....	594.96		95.25
		<i>For &gt;50 To 100, Deduct</i>	-29.75		
		<i>For &gt;100 To 250, Deduct</i>	-44.62		
		<i>For &gt;250 To 500, Deduct</i>	-69.61		
		<i>For &gt;500 To 1000, Deduct</i>	-94.59		
		<i>For &gt;1000, Deduct</i>	-119.58		
26 56 19 00-0212	EA	50 LEDs, 59 Watt, Pendant Mount, Square, LED Multi-Purpose Area Fixture (LSI Industries® Crossover® XPG) .....	1,391.48		95.25
		<i>For &gt;50 To 100, Deduct</i>	-69.57		
		<i>For &gt;100 To 250, Deduct</i>	-104.36		
		<i>For &gt;250 To 500, Deduct</i>	-169.17		
		<i>For &gt;500 To 1000, Deduct</i>	-233.98		
		<i>For &gt;1000, Deduct</i>	-298.80		
26 56 19 00-0213	EA	68 LEDs, 79 Watt, Surface Mount, Square, LED Multi-Purpose Area Fixture (LSI Industries® Crossover® XPG) .....	1,140.97		105.83
		<i>For &gt;50 To 100, Deduct</i>	-57.05		
		<i>For &gt;100 To 250, Deduct</i>	-85.57		
		<i>For &gt;250 To 500, Deduct</i>	-137.33		
		<i>For &gt;500 To 1000, Deduct</i>	-189.09		
		<i>For &gt;1000, Deduct</i>	-240.84		
26 56 19 00-0214	EA	68 LEDs, 79 Watt, Pendant Mount, Square, LED Multi-Purpose Area Fixture (LSI Industries® Crossover® XPG) .....	1,427.75		105.83
		<i>For &gt;50 To 100, Deduct</i>	-71.39		
		<i>For &gt;100 To 250, Deduct</i>	-107.08		
		<i>For &gt;250 To 500, Deduct</i>	-173.18		
		<i>For &gt;500 To 1000, Deduct</i>	-239.27		
		<i>For &gt;1000, Deduct</i>	-305.37		
26 56 19 00-0215		Surface Mount, LED Multi-Purpose Area Fixture (Lumark Crosstour®) <small>(26 56 19 00-0209)</small> Note: Wall, inverted, post, bollard, floodlight trunnion, or floodlight knuckle mount. UL wet listed. Includes 5,000K color temperature, 120/277 voltage, die-cast extruded aluminum housing assembly and white or bronze powder coat finish. Excludes sensors.			
26 56 19 00-0216	EA	13 Watt, Surface Mount, LED Multi-Purpose Area Fixture (Lumark Crosstour® XTOR1A) .....	190.62		32.52
		<i>For Knuckle Mount Or Trunnion Mount Base, Add</i>	45.00		
		<i>For &gt;50 To 100, Deduct</i>	-9.53		
		<i>For &gt;100 To 250, Deduct</i>	-14.30		
		<i>For &gt;250 To 500, Deduct</i>	-22.47		
		<i>For &gt;500 To 1000, Deduct</i>	-30.65		
		<i>For &gt;1000, Deduct</i>	-38.83		
26 56 19 00-0217	EA	20 Watt, Surface Mount, LED Multi-Purpose Area Fixture (Lumark Crosstour® XTOR2A) .....	219.56		32.52
		<i>For Knuckle Mount Or Trunnion Mount Base, Add</i>	45.00		
		<i>For &gt;50 To 100, Deduct</i>	-10.98		
		<i>For &gt;100 To 250, Deduct</i>	-16.47		
		<i>For &gt;250 To 500, Deduct</i>	-26.09		
		<i>For &gt;500 To 1000, Deduct</i>	-35.71		
		<i>For &gt;1000, Deduct</i>	-45.34		



<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Lighting</b>	<b>26 50</b>	
<b>Exterior Lighting</b>	<b>26 56</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0218 EA 30 Watt, Surface Mount, LED Multi-Purpose Area Fixture (Lumark Crosstour® XTOR3A).....	274.68	32.52
For Knuckle Mount Or Trunnion Mount Base, Add	45.00	
For >50 To 100, Deduct	-13.73	
For >100 To 250, Deduct	-20.60	
For >250 To 500, Deduct	-32.98	
For >500 To 1000, Deduct	-45.36	
For >1000, Deduct	-57.74	
<b>26 56 19 00-0219 Surface Mount, LED Facade Fixtures (26 56 19 00-0156)</b>		
<b>26 56 19 00-0220 Surface Mount, LED Facade Fixtures (lumenpulse™ lumenfacade™) (26 56 19 00-0219)</b>		
26 56 19 00-0221 EA 12" Length, Fixed Surface Mount, LED Façade Fixture (lumenpulse™ lumenfacade™).....	734.57	37.95
For >50 To 100, Deduct	-36.73	
For >100 To 250, Deduct	-55.09	
For >250 To 500, Deduct	-90.38	
For >500 To 1000, Deduct	-125.66	
For >1000, Deduct	-160.95	
26 56 19 00-0222 EA 24" Length, Fixed Surface Mount, LED Façade Fixture (lumenpulse™ lumenfacade™).....	1,214.43	34.65
For >50 To 100, Deduct	-60.72	
For >100 To 250, Deduct	-91.08	
For >250 To 500, Deduct	-150.57	
For >500 To 1000, Deduct	-210.05	
For >1000, Deduct	-269.53	
26 56 19 00-0223 EA 36" Length, Fixed Surface Mount, LED Façade Fixture (lumenpulse™ lumenfacade™).....	1,559.58	28.88
For >50 To 100, Deduct	-77.98	
For >100 To 250, Deduct	-116.97	
For >250 To 500, Deduct	-193.92	
For >500 To 1000, Deduct	-270.86	
For >1000, Deduct	-347.81	
26 56 19 00-0224 EA 48" Length, Fixed Surface Mount, LED Façade Fixture (lumenpulse™ lumenfacade™).....	1,904.70	23.10
For >50 To 100, Deduct	-95.24	
For >100 To 250, Deduct	-142.85	
For >250 To 500, Deduct	-237.26	
For >500 To 1000, Deduct	-331.67	
For >1000, Deduct	-426.08	
<b>26 56 19 00-0225 Post Top, LED Area Fixtures (26 56 19 00-0156)</b>		
<b>26 56 19 00-0226 Post Top, LED Area Fixtures (Cooper Lighting Invue® MSA) (26 56 19 00-0225)</b>		
Note: UL wet listed. Includes 4,000K color temperature, 120-480 voltage, 350mA remote driver, die-cast extruded aluminum housing assembly and white, black, grey, dark platinum, graphite metallic or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0227 EA 1,800 Lumens, 27 Watt, Post Top Mount, Acorn Style LED Area Fixture (Cooper Lighting Invue® MSA-CO1).....	2,027.97	145.51
For >50 To 100, Deduct	-101.40	
For >100 To 250, Deduct	-152.10	
For >250 To 500, Deduct	-246.22	
For >500 To 1000, Deduct	-340.34	
For >1000, Deduct	-434.47	
26 56 19 00-0228 EA 3,400 Lumens, 54 Watt, Post Top Mount, Acorn Style LED Area Fixture (Cooper Lighting Invue® MSA-CO2).....	2,249.59	145.51
For >50 To 100, Deduct	-112.48	
For >100 To 250, Deduct	-168.72	
For >250 To 500, Deduct	-273.92	
For >500 To 1000, Deduct	-379.13	
For >1000, Deduct	-484.33	
26 56 19 00-0229 EA 77 Watt, Post Top Mount, Acorn Style LED Area Fixture (Cooper Lighting Invue® MSA-CO3).....	2,424.78	145.51
For >50 To 100, Deduct	-121.24	
For >100 To 250, Deduct	-181.86	
For >250 To 500, Deduct	-295.82	
For >500 To 1000, Deduct	-409.78	
For >1000, Deduct	-523.75	
<b>26 56 19 00-0230 Post Top, LED Area Fixtures (General Electric EPAS) (26 56 19 00-0225)</b>		
Note: UL wet listed. Includes 4,100K color temperature, 120-480 voltage, die-cast extruded aluminum housing assembly and black, green or bronze powder coat finish. Includes photocontrol sensor.		
26 56 19 00-0231 EA 3,200 Lumens, 45 Watt, Post Top Mount, Acorn Style LED Area Fixture (General Electric EPAS 0 E5/E3).....	2,408.06	145.51
For >50 To 100, Deduct	-120.40	
For >100 To 250, Deduct	-180.60	
For >250 To 500, Deduct	-293.73	
For >500 To 1000, Deduct	-406.86	
For >1000, Deduct	-519.99	
26 56 19 00-0232 EA 6,515 Lumens, 80 Watt, Post Top Mount, Acorn Style LED Area Fixture (General Electric EPAS 0 C5/C3).....	2,465.00	145.51
For >50 To 100, Deduct	-123.25	
For >100 To 250, Deduct	-184.88	
For >250 To 500, Deduct	-300.85	
For >500 To 1000, Deduct	-416.82	
For >1000, Deduct	-532.80	
<b>26 56 19 00-0233 Post Top, LED Area Fixtures (General Electric EPTC) (26 56 19 00-0225)</b>		
Note: UL wet listed. Includes 4,100K color temperature, 120-480 voltage, die-cast extruded aluminum housing assembly and black, gray or dark bronze powder coat finish. Includes photocontrol sensor.		

<b>26</b>	<b>Electrical</b>
<b>26 50</b>	<b>Lighting</b>
<b>26 56</b>	<b>Exterior Lighting</b>



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0234	EA		3,200 Lumens, 45 Watt, Post Top Mount, Contemporary Twin Support Style LED Area Fixture (General Electric EPTC 0 E5/E3) .....	1,637.12	145.51
			<i>For &gt;50 To 100, Deduct</i>	-81.86	
			<i>For &gt;100 To 250, Deduct</i>	-122.78	
			<i>For &gt;250 To 500, Deduct</i>	-197.36	
			<i>For &gt;500 To 1000, Deduct</i>	-271.94	
			<i>For &gt;1000, Deduct</i>	-346.52	
26 56 19 00-0235	EA		6,150 Lumens, 80 Watt, Post Top Mount, Contemporary Twin Support Style LED Area Fixture (General Electric EPTC 0 C5/C3).....	1,722.34	145.51
			<i>For &gt;50 To 100, Deduct</i>	-86.12	
			<i>For &gt;100 To 250, Deduct</i>	-129.18	
			<i>For &gt;250 To 500, Deduct</i>	-208.02	
			<i>For &gt;500 To 1000, Deduct</i>	-286.86	
			<i>For &gt;1000, Deduct</i>	-365.70	
<b>26 56 19 00-0236</b>			<b>Post Top, LED Area Fixtures (General Electric EPST)</b> <small>(26 56 19 00-0225)</small>		
			Note: UL wet listed. Includes 4,100K color temperature, 120-480 voltage, die-cast extruded aluminum housing assembly and black or dark bronze powder coat finish. Includes photocontrol sensor.		
26 56 19 00-0237	EA		3,135 Lumens, 45 Watt, Post Top Mount, Utility Carriage Style LED Area Fixture (General Electric EPST 0 E5/E3) .....	1,249.76	145.51
			<i>For &gt;50 To 100, Deduct</i>	-62.49	
			<i>For &gt;100 To 250, Deduct</i>	-93.73	
			<i>For &gt;250 To 500, Deduct</i>	-148.94	
			<i>For &gt;500 To 1000, Deduct</i>	-204.16	
			<i>For &gt;1000, Deduct</i>	-259.37	
26 56 19 00-0238	EA		6,115 Lumens, 80 Watt, Post Top Mount, Utility Carriage Style LED Area Fixture (General Electric EPST 0 C5/C3).....	1,334.98	145.51
			<i>For &gt;50 To 100, Deduct</i>	-66.75	
			<i>For &gt;100 To 250, Deduct</i>	-100.12	
			<i>For &gt;250 To 500, Deduct</i>	-159.60	
			<i>For &gt;500 To 1000, Deduct</i>	-219.07	
			<i>For &gt;1000, Deduct</i>	-278.54	
<b>26 56 19 00-0239</b>			<b>Post Top, LED Area Fixtures (CREE® BetaLED® Edge® ARE-EDR)</b> <small>(26 56 19 00-0225)</small>		
			Note: UL wet listed. Includes 4,000K color temperature, 120/277 voltage, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Includes Type V Medium optic. Excludes sensors.		
26 56 19 00-0240	EA		13,800 Lumens, 130 Watt, Post Top Mount, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDR) .....	3,197.80	145.51
			<i>For &gt;50 To 100, Deduct</i>	-159.89	
			<i>For &gt;100 To 250, Deduct</i>	-239.84	
			<i>For &gt;250 To 500, Deduct</i>	-392.45	
			<i>For &gt;500 To 1000, Deduct</i>	-545.06	
			<i>For &gt;1000, Deduct</i>	-697.68	
<b>26 56 19 00-0241</b>			<b>LED Retrofit For Post Top, Traditional Area Fixtures (CREE® BetaLED® BXRA)</b> <small>(26 56 19 00-0225)</small>		
			Note: Includes 2,700K or 4,000K color temperature and 120/277 voltage retrofit assembly. Excludes recycling or disposal of lamps and ballasts.		
26 56 19 00-0242	EA		LED Retrofit For Post Top, Holophane® Utility Granville Acorn Area Fixtures (CREE® BetaLED® BXRAH53).....	855.55	79.37
			<i>For 0 To 10 Volt Dimming, Add</i>	67.48	
			<i>For &gt;50 To 100, Deduct</i>	-42.78	
			<i>For &gt;100 To 250, Deduct</i>	-64.17	
			<i>For &gt;250 To 500, Deduct</i>	-102.98	
			<i>For &gt;500 To 1000, Deduct</i>	-141.78	
			<i>For &gt;1000, Deduct</i>	-180.59	
<b>26 56 19 00-0243</b>			<b>LED Retrofit For Post Top, Decorative Area Fixtures (CREE® DPT)</b> <small>(26 56 19 00-0225)</small>		
			Note: Includes 3,000K color temperature and 120/277 voltage retrofit assembly. Excludes recycling or disposal of lamps and ballasts.		
26 56 19 00-0244	EA		LED Retrofit For Post Top, Decorative Area Fixtures (CREE® DPT) .....	549.59	16.93
			<i>For Backlight Control Shield, Add</i>	43.54	
			<i>For &gt;50 To 100, Deduct</i>	-27.48	
			<i>For &gt;100 To 250, Deduct</i>	-41.22	
			<i>For &gt;250 To 500, Deduct</i>	-67.01	
			<i>For &gt;500 To 1000, Deduct</i>	-92.79	
			<i>For &gt;1000, Deduct</i>	-118.58	
<b>26 56 19 00-0245</b>			<b>Surface Mount, LED Strip Fixtures (Sylvania)</b> <small>(26 56 19 00-0156)</small>		
26 56 19 00-0246	EA		4' Long, 5,200 Lumens, 40 Watt, Vapor Tight Dimmable LED Fixture (Sylvania VAPOR1B/040UNVD840/48EC/GR/D).....	505.48	30.19
			<i>For &gt;50 To 100, Deduct</i>	-25.27	
			<i>For &gt;100 To 250, Deduct</i>	-37.91	
			<i>For &gt;250 To 500, Deduct</i>	-62.05	
			<i>For &gt;500 To 1000, Deduct</i>	-86.19	
			<i>For &gt;1000, Deduct</i>	-110.33	
<b>26 56 21</b>			<b>HID Exterior Lighting</b> <small>(26 56)</small>		
26 56 21 00-0001			High Mast Fixtures <small>(26 56 21)</small>		



<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Lighting</b>	<b>26 50</b>	
<b>Exterior Lighting</b>	<b>26 56</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>26 56 21 00-0002</b>	<b>Metal Halide, High Mast Fixtures <small>(26 56 21 00-0001)</small></b>	
26 56 21 00-0003 EA 400 W High Mast Metal Halide Fixture (VA 25 Type V) As Manufactured By Metrolux .....	1,898.29	131.05
26 56 21 00-0004 EA 400 W High Mast Metal Halide Fixture (VA 25 Type VS, VF 1 And 3) As Manufactured By Metrolux .....	2,032.37	131.05
26 56 21 00-0005 EA 750 W High Mast Metal Halide Fixture (VA 25 Type V) As Manufactured By Metrolux .....	2,007.12	149.71
26 56 21 00-0006 EA 750 W High Mast Metal Halide Fixture (VA 25 Type VS, VF 1 And 3) As Manufactured By Metrolux .....	2,087.57	149.71
26 56 21 00-0007 EA 1,000 W High Mast Metal Halide Fixture (VA 25 Type V) As Manufactured By Metrolux .....	2,097.25	187.13
26 56 21 00-0008 EA 1,000 W High Mast Metal Halide Fixture (VA 25 Type VS, VF 1 And 3) As Manufactured By Metrolux .....	2,177.70	187.13
<b>26 56 21 00-0009</b>	<b>High Pressure Sodium, High Mast Fixtures <small>(26 56 21 00-0001)</small></b>	
26 56 21 00-0010 EA 400 W High Mast HPS Fixture (VA 25 Type V) As Manufactured By Metrolux .....	1,962.92	131.05
26 56 21 00-0011 EA 400 W High Mast HPS Fixture (VA 25 Type VS, VF 1 And 3) As Manufactured By Metrolux .....	2,043.37	131.05
26 56 21 00-0012 EA 600 Watt High Mast HPS Fixture (VA 25 Type V, VS, VF 1 And 3) As Manufactured By Metrolux .....	2,383.56	138.53
26 56 21 00-0013 EA 750 Watt High Mast HPS Fixture (VA 25 Type V, VS, VF 1 And 3) As Manufactured By Metrolux .....	2,438.76	149.71
26 56 21 00-0014 EA 1,000 Watt High Mast HPS Fixture (VA 25 Type V, VS, VF 1 And 3) As Manufactured By Metrolux .....	2,569.10	187.13
<b>26 56 21 00-0015</b>	<b>HID, Pole Mounted <small>(26 56 21)</small></b>	
<b>26 56 21 00-0016</b>	<b>Metal Halide, Pole Mounted <small>(26 56 21 00-0015)</small></b>	
26 56 21 00-0017 EA 175 Watt Metal Halide, Enclosed And Gasketed, Exterior Roadway Fixture .....	571.19	213.69
26 56 21 00-0018 EA 250 Watt Metal Halide, Enclosed And Gasketed, Exterior Roadway Fixture .....	643.15	231.95
26 56 21 00-0019 EA 400 Watt Metal Halide, Enclosed And Gasketed, Exterior Roadway Fixture .....	753.31	249.51
26 56 21 00-0020 EA 1,000 Watt Metal Halide, Enclosed And Gasketed, Exterior Roadway Fixture .....	949.91	292.43
<b>26 56 21 00-0021</b>	<b>High Pressure Sodium, Pole Mounted <small>(26 56 21 00-0015)</small></b>	
26 56 21 00-0022 EA 100 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture .....	751.07	249.51
26 56 21 00-0023 EA 150 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture .....	776.11	249.51
26 56 21 00-0024 EA 175 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture .....	812.83	249.51
26 56 21 00-0025 EA 250 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture .....	915.50	249.51
26 56 21 00-0026 EA 400 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture .....	1,055.60	249.51
26 56 21 00-0027 EA 1,000 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture .....	916.50	249.51
<b>26 56 21 00-0028</b>	<b>Low Pressure Sodium, Pole Mounted <small>(26 56 21 00-0015)</small></b>	
26 56 21 00-0029 EA 135 Watt Low Pressure Sodium Exterior Roadway Fixture, Enclosed And Gasketed .....	596.72	135.73
26 56 21 00-0030 EA 135 Watt Low Pressure Sodium Fixture, Enclosed And Gasketed .....	635.60	199.61
26 56 21 00-0031 EA 180 Watt Low Pressure Sodium Fixture, Enclosed And Gasketed .....	761.49	199.61
<b>26 56 21 00-0032</b>	<b>Metal Halide, Area Fixtures <small>(26 56 21)</small></b>	
<b>26 56 21 00-0033</b>	<b>Metal Halide, Pole Mount, Area Fixtures <small>(26 56 21 00-0032)</small></b>	
Note: Includes pulse start ballast.		
26 56 21 00-0034 EA 150 Watt, Metal Halide Area Fixture, Pole Mount .....	1,071.30	134.22
26 56 21 00-0035 EA 175 Watt, Metal Halide Area Fixture, Pole Mount .....	1,175.41	147.65
26 56 21 00-0036 EA 250 Watt, Metal Halide Area Fixture, Pole Mount .....	1,301.34	161.07
26 56 21 00-0037 EA 400 Watt, Metal Halide Area Fixture, Pole Mount .....	1,364.83	187.91
<b>26 56 21 00-0038</b>	<b>High Pressure Sodium, Area Fixtures <small>(26 56 21)</small></b>	
<b>26 56 21 00-0039</b>	<b>Pole Mount, High Pressure Sodium Area Fixtures <small>(26 56 21 00-0038)</small></b>	
26 56 21 00-0040 EA 100 Watt, High Pressure Sodium Area Fixture, Pole Mount .....	892.70	107.38
26 56 21 00-0041 EA 150 Watt, High Pressure Sodium Area Fixture, Pole Mount .....	960.21	134.22
26 56 21 00-0042 EA 250 Watt, High Pressure Sodium Area Fixture, Pole Mount .....	1,031.42	161.07
26 56 21 00-0043 EA 400 Watt, High Pressure Sodium Area Fixture, Pole Mount .....	1,075.59	187.91
<b>26 56 21 00-0044</b>	<b>Surface Mounted, Rectangular Exterior Area Fixture <small>(26 56 21)</small></b>	
<b>26 56 21 00-0045</b>	<b>Metal Halide, Surface Mounted, Rectangular Exterior Area Fixture <small>(26 56 21 00-0044)</small></b>	
26 56 21 00-0046 EA 175 Watt Metal Halide, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture .....	535.92	199.61
26 56 21 00-0047 EA 250 Watt Metal Halide, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture .....	610.81	224.56
26 56 21 00-0048 EA 400 Watt Metal Halide, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture .....	735.32	249.51
26 56 21 00-0049 EA 1,000 Watt Metal Halide, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture .....	933.19	292.43
<b>26 56 21 00-0050</b>	<b>High Pressure Sodium, Surface Mounted, Rectangular Exterior Area Fixture <small>(26 56 21 00-0044)</small></b>	
26 56 21 00-0051 EA 70 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture (LumaPro).....	516.55	170.66
26 56 21 00-0052 EA 100 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture (LumaPro).....	561.73	181.65
26 56 21 00-0053 EA 150 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture (LumaPro).....	605.06	191.62
26 56 21 00-0054 EA 175 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture .....	625.01	199.61
26 56 21 00-0055 EA 250 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture .....	694.09	224.56
26 56 21 00-0056 EA 400 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture .....	747.94	249.51

<b>26</b>	<b>Electrical</b>
<b>26 50</b>	<b>Lighting</b>
<b>26 56</b>	<b>Exterior Lighting</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 21 00-0057 EA 1,000 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture .....	1,035.79	292.43
<b>26 56 21 00-0058 Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixtures (26 56 21)</b>		
<b>26 56 21 00-0059 High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixtures (26 56 21 00-0058)</b>		
Note: Includes cast aluminum powder coated housing, polycarbonate lens and tamperproof screws.		
26 56 21 00-0060 EA 35 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture .....	765.27	134.74
26 56 21 00-0061 EA 50 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture .....	788.45	149.71
26 56 21 00-0062 EA 70 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture .....	836.59	170.66
26 56 21 00-0063 EA 100 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	856.92	181.65
26 56 21 00-0064 EA 150 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	877.59	191.62
26 56 21 00-0065 EA 175 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	920.20	199.61
26 56 21 00-0066 EA 250 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	1,010.13	224.56
26 56 21 00-0067 EA 400 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	1,242.83	249.51
<b>26 56 21 00-0068 Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixtures (26 56 21 00-0058)</b>		
Note: Includes cast aluminum powder coated housing, polycarbonate lens and tamperproof screws.		
26 56 21 00-0069 EA 50 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture .....	841.67	149.71
26 56 21 00-0070 EA 70 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture .....	881.76	170.66
26 56 21 00-0071 EA 100 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture .....	909.58	181.65
26 56 21 00-0072 EA 150 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture .....	946.51	191.62
26 56 21 00-0073 EA 175 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture .....	965.44	199.61
26 56 21 00-0074 EA 250 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture .....	1,057.72	224.56
26 56 21 00-0075 EA 400 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture .....	1,369.20	249.51
<b>26 56 21 00-0076 Wall Packs (26 56 21)</b>		
<b>26 56 21 00-0077 Non-Cutoff, Polycarbonate Lens, Mini Wall Packs (26 56 21 00-0076)</b>		
Note: Polycarbonate body and aluminum reflector. 11" x 6-1/2" x 5-1/4". Lithonia TWS.		
26 56 21 00-0078 EA 13 Watt Compact Fluorescent, Non-Cutoff, Polycarbonate Lens, Mini Wall Pack .....	317.80	45.16
26 56 21 00-0079 EA 50 Watt Metal Halide, Non-Cutoff, Polycarbonate Lens, Mini Wall Pack .....	344.59	45.16
26 56 21 00-0080 EA 35 Watt High Pressure Sodium, Non-Cutoff, Polycarbonate Lens, Mini Wall Pack .....	344.59	45.16
26 56 21 00-0081 EA 70 Watt High Pressure Sodium, Non-Cutoff, Polycarbonate Lens, Mini Wall Pack .....	474.46	45.16
<b>26 56 21 00-0082 Semi Cutoff, Polycarbonate Lens, Mini Wall Packs (26 56 21 00-0076)</b>		
Note: Polycarbonate body and diffused aluminum reflector. 10" x 11-1/2" x 8-15/16". Lithonia TWA.		
26 56 21 00-0083 EA 42 Watt Compact Fluorescent, Semi Cutoff, Polycarbonate Lens, Mini Wall Pack.....	684.08	45.16
26 56 21 00-0084 EA 50 Watt Metal Halide, Semi Cutoff, Polycarbonate Lens, Mini Wall Pack.....	693.72	45.16
26 56 21 00-0085 EA 70 Watt Metal Halide, Semi Cutoff, Polycarbonate Lens, Mini Wall Pack.....	702.05	45.16
26 56 21 00-0086 EA 100 Watt Metal Halide, Semi Cutoff, Polycarbonate Lens, Mini Wall Pack.....	686.86	45.16
26 56 21 00-0087 EA 70 Watt High Pressure Sodium, Semi Cutoff, Polycarbonate Lens, Mini Wall Pack.....	624.36	45.16
26 56 21 00-0088 EA 100 Watt High Pressure Sodium, Semi Cutoff, Polycarbonate Lens, Mini Wall Pack.....	590.03	45.16
<b>26 56 21 00-0089 Cutoff, Polycarbonate Lens, Mini Wall Packs (26 56 21 00-0076)</b>		
Note: Polycarbonate body and diffused aluminum reflector. 10" x 11-1/2" x 8-15/16". Lithonia TWAC.		
26 56 21 00-0090 EA 50 Watt Metal Halide, Cutoff, Polycarbonate Lens, Mini Wall Pack .....	723.63	45.16
26 56 21 00-0091 EA 70 Watt Metal Halide, Cutoff, Polycarbonate Lens, Mini Wall Pack .....	732.41	45.16
26 56 21 00-0092 EA 100 Watt Metal Halide, Cutoff, Polycarbonate Lens, Mini Wall Pack .....	717.23	45.16
26 56 21 00-0093 EA 70 Watt High Pressure Sodium, Cutoff, Polycarbonate Lens, Mini Wall Pack .....	729.45	45.16
26 56 21 00-0094 EA 100 Watt High Pressure Sodium, Cutoff, Polycarbonate Lens, Mini Wall Pack .....	729.45	45.16
<b>26 56 21 00-0095 Non-Cutoff, Borosilicate Glass Lens, Small Wall Packs (26 56 21 00-0076)</b>		
Note: Aluminum body and reflector. 9" x 13" x 7-3/8". Lithonia TWR1.		
26 56 21 00-0096 EA 70 Watt Metal Halide, Non-Cutoff, Borosilicate Glass Lens, Small Wall Pack .....	667.81	60.16
26 56 21 00-0097 EA 100 Watt Metal Halide, Non-Cutoff, Borosilicate Glass Lens, Small Wall Pack .....	667.81	60.16
26 56 21 00-0098 EA 175 Watt Metal Halide, Non-Cutoff, Borosilicate Glass Lens, Small Wall Pack .....	620.78	60.16
26 56 21 00-0099 EA 70 Watt High Pressure Sodium, Non-Cutoff, Borosilicate Glass Lens, Small Wall Pack .....	638.81	60.16
26 56 21 00-0100 EA 100 Watt High Pressure Sodium, Non-Cutoff, Borosilicate Glass Lens, Small Wall Pack .....	638.81	60.16
26 56 21 00-0101 EA 150 Watt High Pressure Sodium, Non-Cutoff, Borosilicate Glass Lens, Small Wall Pack .....	586.65	60.16
<b>26 56 21 00-0102 Cutoff, Borosilicate Glass Lens, Small Wall Packs (26 56 21 00-0076)</b>		
Note: Aluminum body and reflector. 10-1/4" x 13" x 8-15/32". Lithonia TWR1C.		
26 56 21 00-0103 EA 70 Watt Metal Halide, Cutoff, Borosilicate Glass Lens, Small Wall Pack .....	695.68	60.16
26 56 21 00-0104 EA 100 Watt Metal Halide, Cutoff, Borosilicate Glass Lens, Small Wall Pack .....	695.68	60.16
26 56 21 00-0105 EA 175 Watt Metal Halide, Cutoff, Borosilicate Glass Lens, Small Wall Pack .....	695.68	60.16
26 56 21 00-0106 EA 70 Watt High Pressure Sodium, Cutoff, Borosilicate Glass Lens, Small Wall Pack .....	668.02	60.16
26 56 21 00-0107 EA 100 Watt High Pressure Sodium, Cutoff, Borosilicate Glass Lens, Small Wall Pack .....	668.02	60.16
26 56 21 00-0108 EA 150 Watt High Pressure Sodium, Cutoff, Borosilicate Glass Lens, Small Wall Pack .....	668.02	60.16
<b>26 56 21 00-0109 Full Cutoff, Tempered Glass Lens, Small Wall Packs (26 56 21 00-0076)</b>		
Note: Aluminum body and reflector. 9-3/8" x 14-3/8" x 8-3/4". Meets Nighttime Friendly criteria. Lithonia TWR1S.		



<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Lighting</b>	<b>26 50</b>	
<b>Exterior Lighting</b>	<b>26 56</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 21 00-0110 EA 175 Watt Metal Halide, Full Cutoff, Tempered Glass Lens, Small Wall Pack .....	920.81	60.16
<b>26 56 21 00-0111 Cutoff, Borosilicate Glass Lens, Medium Wall Packs</b> <small>(26 56 21 00-0076)</small>		
<small>Note: Aluminum body and reflector. Lithonia TWR2.</small>		
26 56 21 00-0112 EA 250 Watt Metal Halide, Cutoff, Borosilicate Glass Lens, Medium Wall Pack .....	842.39	74.52
<small>Note: 9-1/4" x 17-7/8" x 9-3/8".</small>		
26 56 21 00-0113 EA 400 Watt Metal Halide, Cutoff, Borosilicate Glass Lens, Medium Wall Pack .....	906.16	74.52
<small>Note: 9-1/4" x 17-7/8" x 12-1/2".</small>		
26 56 21 00-0114 EA 250 Watt High Pressure Sodium, Cutoff, Borosilicate Glass Lens, Medium Wall Pack .....	982.18	74.52
<small>Note: 9-1/4" x 17-7/8" x 9-3/8".</small>		
26 56 21 00-0115 EA 400 Watt High Pressure Sodium, Cutoff, Borosilicate Glass Lens, Medium Wall Pack .....	1,003.11	74.52
<small>Note: 9-1/4" x 17-7/8" x 12-1/2".</small>		
<b>26 56 21 00-0116 Cutoff, Tempered Glass Lens, Medium Wall Packs</b> <small>(26 56 21 00-0076)</small>		
<small>Note: Aluminum body and reflector. 10" x 17-1/8" x 14-1/2". Lithonia TWR2C.</small>		
26 56 21 00-0117 EA 250 Watt Metal Halide, Cutoff, Tempered Glass Lens, Medium Wall Pack .....	924.41	74.52
26 56 21 00-0118 EA 400 Watt Metal Halide, Cutoff, Tempered Glass Lens, Medium Wall Pack .....	996.06	74.52
<b>26 56 21 00-0119 Non-Cutoff, Polycarbonate Lens, Large Wall Packs</b> <small>(26 56 21 00-0076)</small>		
<small>Note: Polycarbonate body and powder coated reflector. 15-7/16" x 16-1/8" x 7-3/4". Lithonia TWP.</small>		
26 56 21 00-0120 EA 100 Watt Metal Halide, Non-Cutoff, Polycarbonate Lens, Large Wall Pack .....	827.42	90.33
26 56 21 00-0121 EA 175 Watt Metal Halide, Non-Cutoff, Polycarbonate Lens, Large Wall Pack .....	751.53	90.33
26 56 21 00-0122 EA 70 Watt High Pressure Sodium, Non-Cutoff, Polycarbonate Lens, Large Wall Pack .....	809.86	90.33
26 56 21 00-0123 EA 100 Watt High Pressure Sodium, Non-Cutoff, Polycarbonate Lens, Large Wall Pack .....	815.66	90.33
26 56 21 00-0124 EA 150 Watt High Pressure Sodium, Non-Cutoff, Polycarbonate Lens, Large Wall Pack .....	821.75	90.33
<b>26 56 21 00-0125 Non-Cutoff, Borosilicate Glass Lens, Large Wall Packs</b> <small>(26 56 21 00-0076)</small>		
<small>Note: Aluminum body and reflector. 15-3/4" x 16-1/4" x 8". Lithonia TWH.</small>		
26 56 21 00-0126 EA 175 Watt Metal Halide, Non-Cutoff, Borosilicate Glass Lens, Large Wall Pack .....	827.44	90.33
26 56 21 00-0127 EA 250 Watt Metal Halide, Non-Cutoff, Borosilicate Glass Lens, Large Wall Pack .....	852.76	90.33
26 56 21 00-0128 EA 400 Watt Metal Halide, Non-Cutoff, Borosilicate Glass Lens, Large Wall Pack .....	928.64	90.33
26 56 21 00-0129 EA 150 Watt High Pressure Sodium, Non-Cutoff, Borosilicate Glass Lens, Large Wall Pack .....	878.06	90.33
26 56 21 00-0130 EA 250 Watt High Pressure Sodium, Non-Cutoff, Borosilicate Glass Lens, Large Wall Pack .....	903.38	90.33
26 56 21 00-0131 EA 400 Watt High Pressure Sodium, Non-Cutoff, Borosilicate Glass Lens, Large Wall Pack .....	953.92	90.33
<b>26 56 21 00-0132 Semi Cutoff, Induction Wall Packs</b> <small>(26 56 21 00-0076)</small>		
<b>26 56 21 00-0133 Semi Cutoff, Induction Wall Packs (Everlast®)</b> <small>(26 56 21 00-0132)</small>		
<small>Note: UL wet listed. Includes bi-level ballast, die-cast aluminum housing assembly and bronze powder coat finish. Excludes sensors.</small>		
26 56 21 00-0134 EA 70 Watt, Wall Mount, Semi Cutoff, Bi-Level Induction Wall Pack (Everlast® EOF-ED-70) .....	1,149.28	89.95
26 56 21 00-0135 EA 80 Watt, Wall Mount, Semi Cutoff, Bi-Level Induction Wall Pack (Everlast® EOF-ED-80) .....	1,170.66	95.25
26 56 21 00-0136 EA 100 Watt, Wall Mount, Semi Cutoff, Bi-Level Induction Wall Pack (Everlast® EOF-ED-100) .....	1,192.05	100.54
26 56 21 00-0137 EA 120 Watt, Wall Mount, Semi Cutoff, Bi-Level Induction Wall Pack (Everlast® EOF-ED-120) .....	1,332.25	105.83
<b>26 56 21 00-0138 Induction, Roadway Lighting</b> <small>(26 56 21)</small>		
<b>26 56 21 00-0139 Induction Roadway Lighting (US Lighting Tech)</b> <small>(26 56 21 00-0138)</small>		
<small>Note: Includes gray powder coat finish heavy duty die cast aluminum body and flat glass lens.</small>		
26 56 21 00-0140 EA 40 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511) .....	569.22	158.75
26 56 21 00-0141 EA 70 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511) .....	629.18	164.03
26 56 21 00-0142 EA 100 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511) .....	650.34	174.62
26 56 21 00-0143 EA 150 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511) .....	671.50	185.20
26 56 21 00-0144 EA 200 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511) .....	795.62	190.49
26 56 21 00-0145 EA 250 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511) .....	810.15	195.79
26 56 21 00-0146 EA 40 Watt Induction, Horizontal Tenon Mount, Cobra Head Street Light (US Lighting Tech Cobra 100, 512) .....	527.76	158.75
26 56 21 00-0147 EA 70 Watt Induction, Horizontal Tenon Mount, Cobra Head Street Light (US Lighting Tech Cobra 100, 512) .....	593.64	164.03
26 56 21 00-0148 EA 100 Watt Induction, Horizontal Tenon Mount, Cobra Head Street Light (US Lighting Tech Cobra 100, 512) .....	614.80	174.62
26 56 21 00-0149 EA 150 Watt Induction, Horizontal Tenon Mount, Cobra Head Street Light (US Lighting Tech Cobra 100, 512) .....	635.96	185.20
<b>26 56 21 00-0150 Induction, Area Fixtures</b> <small>(26 56 21)</small>		
<b>26 56 21 00-0151 Post Top, Induction Area Fixtures</b> <small>(26 56 21 00-0150)</small>		
<b>26 56 21 00-0152 Post Top, Induction Area Fixtures (US Lighting Tech)</b> <small>(26 56 21 00-0151)</small>		
<small>Note: Includes black powder coat finish heavy duty die cast aluminum body and no-lid acrylic lens.</small>		
26 56 21 00-0153 EA 40 Watt Induction, Post Top Mount, Acorn Style Area Fixture (US Lighting Tech Acorn, 571) .....	647.42	145.51
26 56 21 00-0154 EA 70 Watt Induction, Post Top Mount, Acorn Style Area Fixture (US Lighting Tech Acorn, 571) .....	704.68	145.51
26 56 21 00-0155 EA 100 Watt Induction, Post Top Mount, Acorn Style Area Fixture (US Lighting Tech Acorn, 571) .....	704.68	145.51
26 56 21 00-0156 EA 150 Watt Induction, Post Top Mount, Acorn Style Area Fixture (US Lighting Tech Acorn, 571) .....	704.68	145.51
<b>26 56 21 00-0157 Surface Mount, Induction Parking Structure Fixtures</b> <small>(26 56 21 00-0150)</small>		
<b>26 56 21 00-0158 Surface Mount, Induction Parking Structure Fixtures (Everlast®)</b> <small>(26 56 21 00-0157)</small>		
26 56 21 00-0159 EA 40 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC) .....	588.25	132.29



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 21 00-0160 EA 55 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC).....	627.10	134.93
26 56 21 00-0161 EA 70 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC).....	636.35	137.57
26 56 21 00-0162 EA 80 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC).....	645.59	140.23
26 56 21 00-0163 EA 100 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC).....	654.83	142.87
26 56 21 00-0164 EA 120 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC).....	668.02	145.51
26 56 21 00-0165 EA 70/28 Watt Bi-Level Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC).....	693.61	137.57
26 56 21 00-0166 EA 80/32 Watt Bi-Level Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC).....	702.85	140.23
26 56 21 00-0167 EA 100/40 Watt Bi-Level Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC).....	712.08	142.87
26 56 21 00-0168 EA 120/48 Watt Bi-Level Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC).....	742.06	145.51
<b>26 56 21 00-0169 Pole Mount, Induction Area Fixtures</b> <small>(26 56 21 00-0150)</small>		
<b>26 56 21 00-0170 Pole Mount, Bi-Level Induction Area Fixtures (Everlast® ESB-ED)</b> <small>(26 56 21 00-0169)</small>		
Note: UL wet listed. Includes bi-level ballast, die-cast aluminum housing assembly and bronze powder coat finish. Excludes sensors.		
26 56 21 00-0171 EA 70 Watt, Pole Mount, Bi-Level Induction Area Fixture (Everlast® ESB-ED-70).....	1,203.29	89.95
26 56 21 00-0172 EA 80 Watt, Pole Mount, Bi-Level Induction Area Fixture (Everlast® ESB-ED-80).....	1,235.47	95.25
26 56 21 00-0173 EA 100 Watt, Pole Mount, Bi-Level Induction Area Fixture (Everlast® ESB-ED-100).....	1,267.65	100.54

**END OF SECTION 26**





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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## 27 Communications

Note: Termination costs are included with all communication equipment, panel boards, and devices. Terminations are not included with patch panels.

### 27 05 Common Work Results for Communications <sup>(27)</sup>

#### 27 05 26 Grounding and Bonding for Communications Systems <sup>(27 05)</sup>

See CSI section 26 05 26 00-0000 for grounding.

27 05 26 00-0001	EA	25 Pair Outdoor, Enclosed Building Entrance Terminal (ADC 6649 1 720-00).....	972.52	92.52
		Note: Excludes terminations.		
27 05 26 00-0002	EA	50 Pair Outdoor, Enclosed Building Entrance Terminal (ADC 6649 1 820-00).....	1,232.41	123.39
		Note: Excludes terminations.		
27 05 26 00-0003	EA	100 Pair Outdoor, Enclosed Building Entrance Terminal (ADC 6649 1 630-00).....	1,965.26	185.02
		Note: Excludes terminations.		
27 05 26 00-0004	EA	Lucent 3B1-EW, Gas Tube Protector Unit.....	11.72	1.36
27 05 26 00-0005	EA	44 Terminal Copper Ground Bus Bar (Siemens ECGK).....	64.64	24.45
27 05 26 00-0006	EA	2" x 1/4" x 12", TGB Pattern, Grounding Bus Bar.....	182.02	24.45
27 05 26 00-0007	EA	4" x 1/4" x 12", TMGB Pattern, Grounding Bus Bar.....	361.54	24.45
27 05 26 00-0008	EA	#6 AWG, Cable Runway Ground Strap.....	72.31	4.52
27 05 26 00-0009	EA	1/4" Screw Size, #6 AWG Compression Lug.....	23.11	4.52
27 05 26 00-0010	EA	3/8" Screw Size, #6 AWG Compression Lug.....	24.85	4.52
27 05 26 00-0011	EA	Two Mounting Hole, Ground Terminal Block.....	28.06	4.52

#### 27 05 29 Hangers and Supports for Communications Systems <sup>(27 05)</sup>

See CSI section 26 05 29 00-0000 for hangers and supports.

##### 27 05 29 00-0001 Communications And Low Voltage Cable Hooks (J-Hooks) <sup>(27 05 29)</sup>

##### 27 05 29 00-0002 Screw On Attachment, Communications And Low Voltage Cable Hooks (J-Hooks) <sup>(27 05 29 00-0001)</sup>

Note: Includes screw.

27 05 29 00-0003	EA	3/4" Hook Size, Pre-Galvanized Finish, Screw On, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH12).....	8.02	2.26
		<i>For &gt;50 To 100, Deduct</i>	-0.31	
		<i>For &gt;100 To 250, Deduct</i>	-0.63	
		<i>For &gt;250 To 500, Deduct</i>	-1.17	
		<i>For &gt;500, Deduct</i>	-1.71	
		<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.23	
		<i>For Work In Restricted Working Space, Add</i>	1.36	
		<i>For Painted Powder Coated Finish, Add</i>	0.71	
27 05 29 00-0004	EA	1-5/16" Hook Size, Pre-Galvanized Finish, Screw On, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21).....	8.56	2.26
		<i>For &gt;50 To 100, Deduct</i>	-0.33	
		<i>For &gt;100 To 250, Deduct</i>	-0.65	
		<i>For &gt;250 To 500, Deduct</i>	-1.21	
		<i>For &gt;500, Deduct</i>	-1.76	
		<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.23	
		<i>For Work In Restricted Working Space, Add</i>	1.36	
		<i>For Painted Powder Coated Finish, Add</i>	2.49	
		<i>For Low Friction Xylan® Coated Finish, Add</i>	8.87	
27 05 29 00-0005	EA	2" Hook Size, Pre-Galvanized Finish, Screw On, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32).....	9.40	2.26
		<i>For &gt;50 To 100, Deduct</i>	-0.35	
		<i>For &gt;100 To 250, Deduct</i>	-0.70	
		<i>For &gt;250 To 500, Deduct</i>	-1.27	
		<i>For &gt;500, Deduct</i>	-1.84	
		<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.23	
		<i>For Work In Restricted Working Space, Add</i>	1.36	
		<i>For Painted Powder Coated Finish, Add</i>	3.06	
		<i>For Low Friction Xylan® Coated Finish, Add</i>	11.03	
27 05 29 00-0006	EA	4" Hook Size, Pre-Galvanized Finish, Screw On, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH64).....	16.66	2.26
		<i>For &gt;50 To 100, Deduct</i>	-0.53	
		<i>For &gt;100 To 250, Deduct</i>	-1.06	
		<i>For &gt;250 To 500, Deduct</i>	-1.81	
		<i>For &gt;500, Deduct</i>	-2.57	
		<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.23	
		<i>For Work In Restricted Working Space, Add</i>	1.36	
		<i>For Painted Powder Coated Finish, Add</i>	1.63	
		<i>For Low Friction Xylan® Coated Finish, Add</i>	9.77	

##### 27 05 29 00-0007 Screw On Angle Bracket Attachment, Communications And Low Voltage Cable Hooks (J-Hooks) <sup>(27 05 29 00-0001)</sup>

Note: Includes screw.

**27 Communications****27 05 Common Work Results for Communications****27 05 29 Hangers and Supports for Communications Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 05 29 00-0008	EA		3/4" Hook Size, Pre-Galvanized Finish, Screw On Angle Bracket Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH12-RB) .....	9.29	2.26
			<i>For &gt;50 To 100, Deduct</i>	-0.35	
			<i>For &gt;100 To 250, Deduct</i>	-0.69	
			<i>For &gt;250 To 500, Deduct</i>	-1.26	
			<i>For &gt;500, Deduct</i>	-1.83	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.23	
			<i>For Work In Restricted Working Space, Add</i>	1.36	
27 05 29 00-0009	EA		1-5/16" Hook Size, Pre-Galvanized Finish, Screw On Angle Bracket Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21-RB) .....	12.56	2.26
			<i>For &gt;50 To 100, Deduct</i>	-0.43	
			<i>For &gt;100 To 250, Deduct</i>	-0.85	
			<i>For &gt;250 To 500, Deduct</i>	-1.51	
			<i>For &gt;500, Deduct</i>	-2.16	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.23	
			<i>For Work In Restricted Working Space, Add</i>	1.36	
27 05 29 00-0010	EA		2" Hook Size, Pre-Galvanized Finish, Screw On Angle Bracket Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32-RB) .....	14.15	2.26
			<i>For &gt;50 To 100, Deduct</i>	-0.47	
			<i>For &gt;100 To 250, Deduct</i>	-0.93	
			<i>For &gt;250 To 500, Deduct</i>	-1.63	
			<i>For &gt;500, Deduct</i>	-2.32	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.23	
			<i>For Work In Restricted Working Space, Add</i>	1.36	
27 05 29 00-0011	EA		4" Hook Size, Pre-Galvanized Finish, Screw On Angle Bracket Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH64-RB) .....	19.84	2.26
			<i>For &gt;50 To 100, Deduct</i>	-0.61	
			<i>For &gt;100 To 250, Deduct</i>	-1.22	
			<i>For &gt;250 To 500, Deduct</i>	-2.05	
			<i>For &gt;500, Deduct</i>	-2.89	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.23	
			<i>For Work In Restricted Working Space, Add</i>	1.36	
27 05 29 00-0012			<b>Strut Attachment, Communications And Low Voltage Cable Hooks (J-Hooks)</b> (27 05 29 00-0001) Note: Excludes strut.		
27 05 29 00-0013	EA		3/4" Hook Size, Pre-Galvanized Finish, Strut Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH12-SC4) .....	9.90	2.26
			<i>For &gt;50 To 100, Deduct</i>	-0.36	
			<i>For &gt;100 To 250, Deduct</i>	-0.72	
			<i>For &gt;250 To 500, Deduct</i>	-1.31	
			<i>For &gt;500, Deduct</i>	-1.89	
			<i>For Work In Restricted Working Space, Add</i>	1.36	
27 05 29 00-0014	EA		1-5/16" Hook Size, Pre-Galvanized Finish, Strut Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21-SC4) .....	12.08	2.26
			<i>For &gt;50 To 100, Deduct</i>	-0.42	
			<i>For &gt;100 To 250, Deduct</i>	-0.83	
			<i>For &gt;250 To 500, Deduct</i>	-1.47	
			<i>For &gt;500, Deduct</i>	-2.11	
			<i>For Work In Restricted Working Space, Add</i>	1.36	
27 05 29 00-0015	EA		2" Hook Size, Pre-Galvanized Finish, Strut Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32-SC4) .....	13.21	2.26
			<i>For &gt;50 To 100, Deduct</i>	-0.44	
			<i>For &gt;100 To 250, Deduct</i>	-0.89	
			<i>For &gt;250 To 500, Deduct</i>	-1.56	
			<i>For &gt;500, Deduct</i>	-2.23	
			<i>For Work In Restricted Working Space, Add</i>	1.36	
27 05 29 00-0016	EA		4" Hook Size, Pre-Galvanized Finish, Strut Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH64-SC4) .....	18.58	2.26
			<i>For &gt;50 To 100, Deduct</i>	-0.58	
			<i>For &gt;100 To 250, Deduct</i>	-1.16	
			<i>For &gt;250 To 500, Deduct</i>	-1.96	
			<i>For &gt;500, Deduct</i>	-2.76	
			<i>For Work In Restricted Working Space, Add</i>	1.36	
27 05 29 00-0017			<b>T-Bar Attachment, Communications And Low Voltage Cable Hooks (J-Hooks)</b> (27 05 29 00-0001) Note: Excludes T-Bar.		
27 05 29 00-0018	EA		3/4" Hook Size, Pre-Galvanized Finish, T-Bar Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH12-A28) .....	12.28	2.26
			<i>For &gt;50 To 100, Deduct</i>	-0.42	
			<i>For &gt;100 To 250, Deduct</i>	-0.84	
			<i>For &gt;250 To 500, Deduct</i>	-1.49	
			<i>For &gt;500, Deduct</i>	-2.13	
			<i>For Work In Restricted Working Space, Add</i>	1.36	
27 05 29 00-0019	EA		1-5/16" Hook Size, Pre-Galvanized Finish, T-Bar Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21-A28) .....	15.97	2.26
			<i>For &gt;50 To 100, Deduct</i>	-0.51	
			<i>For &gt;100 To 250, Deduct</i>	-1.02	
			<i>For &gt;250 To 500, Deduct</i>	-1.76	
			<i>For &gt;500, Deduct</i>	-2.50	
			<i>For Work In Restricted Working Space, Add</i>	1.36	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 05 29 00-0020 EA 2" Hook Size, Pre-Galvanized Finish, T-Bar Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32-A28).....	16.93	2.26
<i>For &gt;50 To 100, Deduct</i>	-0.54	
<i>For &gt;100 To 250, Deduct</i>	-1.07	
<i>For &gt;250 To 500, Deduct</i>	-1.83	
<i>For &gt;500, Deduct</i>	-2.60	
<i>For Work In Restricted Working Space, Add</i>	1.36	
<b>27 05 29 00-0021 Plain Or Threaded Rod Clip-On Attachment, Communications And Low Voltage Cable Hooks (J-Hooks) <small>(27 05 29 00-0001)</small></b>		
<i>Note: Excludes threaded rod. See CSI section 26 05 29 00-0372 for threaded rod.</i>		
27 05 29 00-0022 EA 3/4" Hook Size, Pre-Galvanized Finish, Plain Or Threaded Rod Clip-On Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH12-W6).....	9.61	2.26
<i>For &gt;50 To 100, Deduct</i>	-0.35	
<i>For &gt;100 To 250, Deduct</i>	-0.71	
<i>For &gt;250 To 500, Deduct</i>	-1.29	
<i>For &gt;500, Deduct</i>	-1.87	
<i>For Work In Restricted Working Space, Add</i>	1.36	
27 05 29 00-0023 EA 1-5/16" Hook Size, Pre-Galvanized Finish, Plain Or Threaded Rod Clip-On Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21-W6).....	10.11	2.26
<i>For &gt;50 To 100, Deduct</i>	-0.37	
<i>For &gt;100 To 250, Deduct</i>	-0.73	
<i>For &gt;250 To 500, Deduct</i>	-1.32	
<i>For &gt;500, Deduct</i>	-1.92	
<i>For Work In Restricted Working Space, Add</i>	1.36	
27 05 29 00-0024 EA 2" Hook Size, Pre-Galvanized Finish, Plain Or Threaded Rod Clip-On Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32-W6).....	12.66	2.26
<i>For &gt;50 To 100, Deduct</i>	-0.43	
<i>For &gt;100 To 250, Deduct</i>	-0.86	
<i>For &gt;250 To 500, Deduct</i>	-1.51	
<i>For &gt;500, Deduct</i>	-2.17	
<i>For Work In Restricted Working Space, Add</i>	1.36	
<b>27 05 29 00-0025 Threaded Rod Attachment, Communications And Low Voltage Cable Hooks (J-Hooks) <small>(27 05 29 00-0001)</small></b>		
<i>Note: Excludes threaded rod, nuts and washers. See CSI section 26 05 29 00-0372 for threaded rod, nuts and washers.</i>		
27 05 29 00-0026 EA 1-5/16" Hook Size, Pre-Galvanized Finish, Threaded Rod Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21-AB).....	12.37	2.26
<i>For &gt;50 To 100, Deduct</i>	-0.42	
<i>For &gt;100 To 250, Deduct</i>	-0.84	
<i>For &gt;250 To 500, Deduct</i>	-1.49	
<i>For &gt;500, Deduct</i>	-2.14	
<i>For Work In Restricted Working Space, Add</i>	1.36	
27 05 29 00-0027 EA 2" Hook Size, Pre-Galvanized Finish, Threaded Rod Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32-AB).....	13.56	2.26
<i>For &gt;50 To 100, Deduct</i>	-0.45	
<i>For &gt;100 To 250, Deduct</i>	-0.90	
<i>For &gt;250 To 500, Deduct</i>	-1.58	
<i>For &gt;500, Deduct</i>	-2.26	
<i>For Work In Restricted Working Space, Add</i>	1.36	
27 05 29 00-0028 EA 4" Hook Size, Pre-Galvanized Finish, Threaded Rod Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH64-AB).....	19.51	2.26
<i>For &gt;50 To 100, Deduct</i>	-0.60	
<i>For &gt;100 To 250, Deduct</i>	-1.20	
<i>For &gt;250 To 500, Deduct</i>	-2.03	
<i>For &gt;500, Deduct</i>	-2.86	
<i>For Work In Restricted Working Space, Add</i>	1.36	
<b>27 05 29 00-0029 Beam Clamp Attachment, Communications And Low Voltage Cable Hooks (J-Hooks) <small>(27 05 29 00-0001)</small></b>		
27 05 29 00-0030 EA 3/4" Hook Size, Pre-Galvanized Finish, Beam Clamp Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH12-C442A).....	12.20	2.26
<i>For &gt;50 To 100, Deduct</i>	-0.42	
<i>For &gt;100 To 250, Deduct</i>	-0.84	
<i>For &gt;250 To 500, Deduct</i>	-1.48	
<i>For &gt;500, Deduct</i>	-2.12	
<i>For Work In Restricted Working Space, Add</i>	1.36	
27 05 29 00-0031 EA 1-5/16" Hook Size, Pre-Galvanized Finish, Beam Clamp Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21-C442A).....	14.34	2.26
<i>For &gt;50 To 100, Deduct</i>	-0.47	
<i>For &gt;100 To 250, Deduct</i>	-0.94	
<i>For &gt;250 To 500, Deduct</i>	-1.64	
<i>For &gt;500, Deduct</i>	-2.34	
<i>For Work In Restricted Working Space, Add</i>	1.36	
27 05 29 00-0032 EA 2" Hook Size, Pre-Galvanized Finish, Beam Clamp Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32-C442A).....	15.47	2.26
<i>For &gt;50 To 100, Deduct</i>	-0.50	
<i>For &gt;100 To 250, Deduct</i>	-1.00	
<i>For &gt;250 To 500, Deduct</i>	-1.73	
<i>For &gt;500, Deduct</i>	-2.45	
<i>For Work In Restricted Working Space, Add</i>	1.36	

**27 Communications****27 05 Common Work Results for Communications****27 05 29 Hangers and Supports for Communications Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 05 29 00-0033	EA		4" Hook Size, Pre-Galvanized Finish, Beam Clamp Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH64-C442A).....	21.66	2.26
			<i>For &gt;50 To 100, Deduct</i>	-0.65	
			<i>For &gt;100 To 250, Deduct</i>	-1.31	
			<i>For &gt;250 To 500, Deduct</i>	-2.19	
			<i>For &gt;500, Deduct</i>	-3.07	
			<i>For Work In Restricted Working Space, Add</i>	1.36	
<b>27 05 29 00-0034</b>			<b>Adjustable Cable Supports (Caddy® CableCat CAT425)</b> <sup>(27 05 29)</sup>		
27 05 29 00-0035	EA		Wall Mount, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425).....	36.30	2.98
			<i>For &gt;50 To 100, Deduct</i>	-1.13	
			<i>For &gt;100 To 250, Deduct</i>	-2.27	
			<i>For &gt;250 To 500, Deduct</i>	-3.85	
			<i>For &gt;500, Deduct</i>	-5.44	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	2.36	
			<i>For Work In Restricted Working Space, Add</i>	2.71	
27 05 29 00-0036	EA		Threaded Rod Or Horizontal Surface Mount, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425).....	37.10	2.98
			<i>For &gt;50 To 100, Deduct</i>	-1.15	
			<i>For &gt;100 To 250, Deduct</i>	-2.31	
			<i>For &gt;250 To 500, Deduct</i>	-3.91	
			<i>For &gt;500, Deduct</i>	-5.52	
			<i>For Work In Restricted Working Space, Add</i>	2.71	
27 05 29 00-0037	EA		Up To 1/4" Flange, Hammer On Flange Clip, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425).....	41.25	2.98
			<i>For &gt;50 To 100, Deduct</i>	-1.26	
			<i>For &gt;100 To 250, Deduct</i>	-2.51	
			<i>For &gt;250 To 500, Deduct</i>	-4.22	
			<i>For &gt;500, Deduct</i>	-5.93	
			<i>For Work In Restricted Working Space, Add</i>	2.71	
27 05 29 00-0038	EA		>1/4" To 3/4" Flange, Hammer On Flange Clip, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425).....	36.17	2.98
			<i>For &gt;50 To 100, Deduct</i>	-1.13	
			<i>For &gt;100 To 250, Deduct</i>	-2.26	
			<i>For &gt;250 To 500, Deduct</i>	-3.84	
			<i>For &gt;500, Deduct</i>	-5.43	
			<i>For Work In Restricted Working Space, Add</i>	2.71	
27 05 29 00-0039	EA		Up To 1/2" Flange, Beam Clamp, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425).....	38.09	2.98
			<i>For &gt;50 To 100, Deduct</i>	-1.18	
			<i>For &gt;100 To 250, Deduct</i>	-2.36	
			<i>For &gt;250 To 500, Deduct</i>	-3.99	
			<i>For &gt;500, Deduct</i>	-5.62	
			<i>For Work In Restricted Working Space, Add</i>	2.71	
27 05 29 00-0040	EA		>1/2" To 5/8" Flange, Beam Clamp, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425).....	40.00	2.98
			<i>For &gt;50 To 100, Deduct</i>	-1.23	
			<i>For &gt;100 To 250, Deduct</i>	-2.45	
			<i>For &gt;250 To 500, Deduct</i>	-4.13	
			<i>For &gt;500, Deduct</i>	-5.81	
			<i>For Work In Restricted Working Space, Add</i>	2.71	
27 05 29 00-0041	EA		Up To 1/4" Flange, Hammer On Purlin Clip, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425).....	37.45	2.98
			<i>For &gt;50 To 100, Deduct</i>	-1.16	
			<i>For &gt;100 To 250, Deduct</i>	-2.32	
			<i>For &gt;250 To 500, Deduct</i>	-3.94	
			<i>For &gt;500, Deduct</i>	-5.55	
			<i>For Work In Restricted Working Space, Add</i>	2.71	

**27 05 33 Conduits and Backboxes for Communications Systems** <sup>(27 05)</sup>

See CSI section 26 05 33 00-0000 for conduit and boxes.

**27 05 39 Surface Raceways for Communications Systems** <sup>(27 05)</sup>

See CSI section 26 05 33 00-0000 for surface raceways.

**27 05 43 Underground Ducts and Raceways for Communications Systems** <sup>(27 05)</sup>

See CSI section 26 05 43 00-0000 for underground ducts and raceways.

**27 05 46 Utility Poles for Communications Systems** <sup>(27 05)</sup>

See CSI section 26 05 46 00-0000 for utility poles.

**27 05 53 Identification for Communications Systems** <sup>(27 05)</sup>

See CSI section 26 05 53 00-0000 for identification.

**27 10 Structured Cabling** <sup>(27)</sup>

Note: Includes identifying, tagging and testing.

**27 11 Communications Equipment Room Fittings** <sup>(27 10)</sup>**27 11 16 Communications Cabinets, Racks, Frames, and Enclosures** <sup>(27 11)</sup>**27 11 16 00-0001 3/4" Fire Retardant Plywood Backboards** <sup>(27 11 16)</sup>



<b>Communications</b>	<b>27</b>	<b>27</b>
<b>Structured Cabling</b>	<b>27 10</b>	
<b>Communications Equipment Room Fittings</b>	<b>27 11</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 11 16 00-0002 EA 4' x 4' x 3/4" Fire Retardant Plywood Backboard..... <i>For Two Coats Of Non-Conductive, Fire Retardant Paint, Add</i>	79.71 44.02	23.48
27 11 16 00-0003 EA 4' x 8' x 3/4" Fire Retardant Plywood Backboard..... <i>For Two Coats Of Non-Conductive, Fire Retardant Paint, Add</i>	159.42 88.05	46.97
<b>27 11 16 00-0004 Terminal Cabinets (27 11 16)</b>		
27 11 16 00-0005 EA 12" x 12" x 4" Phone Terminal Cabinet With Wood Backboard.....	337.81	67.74
27 11 16 00-0006 EA 18" x 12" x 4" Phone Terminal Cabinet With Wood Backboard.....	438.08	74.52
27 11 16 00-0007 EA 24" x 12" x 4" Phone Terminal Cabinet With Wood Backboard.....	504.02	85.80
27 11 16 00-0008 EA 18" x 18" x 4" Phone Terminal Cabinet With Wood Backboard.....	523.75	88.06
27 11 16 00-0009 EA 24" x 18" x 4" Phone Terminal Cabinet With Wood Backboard.....	658.37	90.33
27 11 16 00-0010 EA 26" x 36" x 4" Phone Terminal Cabinet With Wood Backboard.....	825.58	101.61
27 11 16 00-0011 EA 24" x 24" x 6" Phone Terminal Cabinet With Wood Backboard.....	849.94	99.35
27 11 16 00-0012 EA 30" x 24" x 6" Phone Terminal Cabinet With Wood Backboard.....	1,078.42	141.54
27 11 16 00-0013 EA 36" x 24" x 6" Phone Terminal Cabinet With Wood Backboard.....	1,149.39	155.54
27 11 16 00-0014 EA 42" x 24" x 6" Phone Terminal Cabinet With Wood Backboard.....	1,412.67	164.30
27 11 16 00-0015 EA 30" x 30" x 6" Phone Terminal Cabinet With Wood Backboard.....	1,167.04	135.48
27 11 16 00-0016 EA 36" x 30" x 6" Phone Terminal Cabinet With Wood Backboard.....	1,261.88	146.78
27 11 16 00-0017 EA 48" x 30" x 6" Phone Terminal Cabinet With Wood Backboard.....	1,567.88	188.15
27 11 16 00-0018 EA 54" x 30" x 6" Phone Terminal Cabinet With Wood Backboard.....	1,873.21	235.21
27 11 16 00-0019 EA 48" x 36" x 6" Phone Terminal Cabinet With Wood Backboard.....	2,159.09	232.58
27 11 16 00-0020 EA 60" x 36" x 6" Phone Terminal Cabinet With Wood Backboard.....	2,463.80	282.98
<b>27 11 16 00-0021 Equipment Racks And Cable Managers (27 11 16)</b>		
<b>27 11 16 00-0022 Equipment Racks (27 11 16 00-0021)</b> Note: Electronics Industries Association EIA-310-D compliant. Includes aluminum construction with clear grained aluminum or black epoxy-polyester hybrid powder coat finish.		
<b>27 11 16 00-0023 Standard Equipment Racks (27 11 16 00-0022)</b>		
<b>27 11 16 00-0024 19" Width, Standard Equipment Racks (27 11 16 00-0023)</b>		
27 11 16 00-0025 EA 84" Height, 19" Width, 3" Depth, 45U, Standard Equipment Rack (Chatsworth 55053-X03)..... <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	503.25 10.71	144.52
27 11 16 00-0026 EA 96" Height, 19" Width, 3" Depth, 51U, Standard Equipment Rack (Chatsworth 55053-X15)..... <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	729.80 21.14	153.55
27 11 16 00-0027 EA 108" Height, 19" Width, 3" Depth, 58U, Standard Equipment Rack (Chatsworth 55053-X08)..... <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	790.56 23.27	162.58
<b>27 11 16 00-0028 Universal Equipment Racks (27 11 16 00-0028)</b>		
<b>27 11 16 00-0029 Universal Equipment Racks (27 11 16 00-0028)</b>		
<b>27 11 16 00-0030 19" Width, EIA Universal Equipment Racks (27 11 16 00-0029)</b>		
27 11 16 00-0031 EA 36" Height, 19" Width, 3" Depth, 17U, EIA Universal Equipment Rack (Chatsworth 46353-X31)..... <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	695.87 22.15	126.46
27 11 16 00-0032 EA 48" Height, 19" Width, 3" Depth, 24U, EIA Universal Equipment Rack (Chatsworth 46353-X20)..... <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	766.75 25.47	128.71
27 11 16 00-0033 EA 60" Height, 19" Width, 3" Depth, 31U, EIA Universal Equipment Rack (Chatsworth 46353-X19)..... <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	764.13 25.11	130.97
27 11 16 00-0034 EA 66" Height, 19" Width, 3" Depth, 34U, EIA Universal Equipment Rack (Chatsworth 46353-X00)..... <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	784.50 25.90	133.23
27 11 16 00-0035 EA 72" Height, 19" Width, 3" Depth, 38U, EIA Universal Equipment Rack (Chatsworth 46353-X01)..... <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	804.63 26.68	135.48
27 11 16 00-0036 EA 78" Height, 19" Width, 3" Depth, 41U, EIA Universal Equipment Rack (Chatsworth 46353-X02)..... <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	826.55 27.55	137.75
27 11 16 00-0037 EA 84" Height, 19" Width, 3" Depth, 45U, EIA Universal Equipment Rack (Chatsworth 46353-X03)..... <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	689.08 20.45	140.01
27 11 16 00-0038 EA 90" Height, 19" Width, 3" Depth, 48U, EIA Universal Equipment Rack (Chatsworth 46353-X05)..... <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	869.05 29.23	142.26
27 11 16 00-0039 EA 96" Height, 19" Width, 3" Depth, 51U, EIA Universal Equipment Rack (Chatsworth 46353-X15)..... <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	901.68 30.63	144.52
27 11 16 00-0040 EA 102" Height, 19" Width, 3" Depth, 55U, EIA Universal Equipment Rack (Chatsworth 46353-X17)..... <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	929.96 31.82	146.78
27 11 16 00-0041 EA 108" Height, 19" Width, 3" Depth, 58U, EIA Universal Equipment Rack (Chatsworth 46353-X08)..... <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	935.67 31.88	149.03
<b>27 11 16 00-0042 23" Width, Universal Equipment Racks (27 11 16 00-0029)</b>		
27 11 16 00-0043 EA 36" Height, 23" Width, 3" Depth, 17U, Universal Equipment Rack (Chatsworth 46383-X31)..... <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	741.33 24.42	126.46
27 11 16 00-0044 EA 48" Height, 23" Width, 3" Depth, 24U, Universal Equipment Rack (Chatsworth 46383-X20)..... <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	768.44 25.55	128.71
27 11 16 00-0045 EA 60" Height, 23" Width, 3" Depth, 31U, Universal Equipment Rack (Chatsworth 46383-X19)..... <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	792.12 26.51	130.97
27 11 16 00-0046 EA 66" Height, 23" Width, 3" Depth, 34U, Universal Equipment Rack (Chatsworth 46383-X00)..... <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	837.73 28.56	133.23
27 11 16 00-0047 EA 72" Height, 23" Width, 3" Depth, 38U, Universal Equipment Rack (Chatsworth 46383-X01)..... <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	859.44 29.42	135.48
27 11 16 00-0048 EA 78" Height, 23" Width, 3" Depth, 41U, Universal Equipment Rack (Chatsworth 46383-X02)..... <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	883.17 30.38	137.75

**27 Communications****27 10 Structured Cabling****27 11 Communications Equipment Room Fittings**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 11 16 00-0049 EA 84" Height, 23" Width, 3" Depth, 45U, Universal Equipment Rack (Chatsworth 46383-X03) ..... <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	746.36 23.32	140.01
27 11 16 00-0050 EA 90" Height, 23" Width, 3" Depth, 48U, Universal Equipment Rack (Chatsworth 46383-X05) ..... <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	929.15 32.23	142.26
27 11 16 00-0051 EA 96" Height, 23" Width, 3" Depth, 51U, Universal Equipment Rack (Chatsworth 46383-X15) ..... <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	964.61 33.78	144.52
27 11 16 00-0052 EA 102" Height, 23" Width, 3" Depth, 55U, Universal Equipment Rack (Chatsworth 46383-X17) ..... <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	995.38 35.09	146.78
27 11 16 00-0053 EA 108" Height, 23" Width, 3" Depth, 58U, Universal Equipment Rack (Chatsworth 46383-X08) ..... <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	1,001.20 35.16	149.03
<b>27 11 16 00-0054 35" Width, Universal Equipment Racks (27 11 16 00-0029)</b>		
27 11 16 00-0055 EA 72" Height, 35" Width, 3" Depth, 38U, Universal Equipment Rack (Chatsworth 46363-X01) ..... <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	936.48 33.28	135.48
27 11 16 00-0056 EA 84" Height, 35" Width, 3" Depth, 45U, Universal Equipment Rack (Chatsworth 46363-X03) ..... <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	987.98 35.40	140.01
<b>27 11 16 00-0057 UL Listed Universal Equipment Racks (27 11 16 00-0028)</b> Note: UL listed as a communications circuit accessory.		
<b>27 11 16 00-0058 19" Width, UL Listed Universal Equipment Racks (27 11 16 00-0057)</b>		
27 11 16 00-0059 EA 36" Height, 19" Width, 3" Depth, 17U, UL Listed Universal Equipment Rack (Chatsworth 48353-X31) ..... <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	740.18 24.36	126.46
27 11 16 00-0060 EA 48" Height, 19" Width, 3" Depth, 24U, UL Listed Universal Equipment Rack (Chatsworth 48353-X20) ..... <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	805.53 27.41	128.71
27 11 16 00-0061 EA 60" Height, 19" Width, 3" Depth, 31U, UL Listed Universal Equipment Rack (Chatsworth 48353-X19) ..... <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	817.67 27.79	130.97
27 11 16 00-0062 EA 66" Height, 19" Width, 3" Depth, 34U, UL Listed Universal Equipment Rack (Chatsworth 48353-X00) ..... <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	836.34 28.49	133.23
27 11 16 00-0063 EA 72" Height, 19" Width, 3" Depth, 38U, UL Listed Universal Equipment Rack (Chatsworth 48353-X01) ..... <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	857.98 29.35	135.48
27 11 16 00-0064 EA 78" Height, 19" Width, 3" Depth, 41U, UL Listed Universal Equipment Rack (Chatsworth 48353-X02) ..... <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	881.65 30.31	137.75
27 11 16 00-0065 EA 84" Height, 19" Width, 3" Depth, 45U, UL Listed Universal Equipment Rack (Chatsworth 48353-X03) ..... <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	904.31 31.22	140.01
27 11 16 00-0066 EA 90" Height, 19" Width, 3" Depth, 48U, UL Listed Universal Equipment Rack (Chatsworth 48353-X05) ..... <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	927.54 32.15	142.26
27 11 16 00-0067 EA 96" Height, 19" Width, 3" Depth, 51U, UL Listed Universal Equipment Rack (Chatsworth 48353-X15) ..... <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	962.96 33.70	144.52
27 11 16 00-0068 EA 102" Height, 19" Width, 3" Depth, 55U, UL Listed Universal Equipment Rack (Chatsworth 48353-X17) ..... <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	993.65 35.01	146.78
27 11 16 00-0069 EA 108" Height, 19" Width, 3" Depth, 58U, UL Listed Universal Equipment Rack (Chatsworth 48353-X08) ..... <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	999.38 35.07	149.03
<b>27 11 16 00-0070 23" Width, UL Listed Universal Equipment Racks (27 11 16 00-0057)</b>		
27 11 16 00-0071 EA 36" Height, 23" Width, 3" Depth, 17U, UL Listed Universal Equipment Rack (Chatsworth 48383-X31) ..... <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	790.22 26.87	126.46
27 11 16 00-0072 EA 48" Height, 23" Width, 3" Depth, 24U, UL Listed Universal Equipment Rack (Chatsworth 48383-X20) ..... <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	873.39 30.80	128.71
27 11 16 00-0073 EA 60" Height, 23" Width, 3" Depth, 31U, UL Listed Universal Equipment Rack (Chatsworth 48383-X19) ..... <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	884.11 31.11	130.97
27 11 16 00-0074 EA 66" Height, 23" Width, 3" Depth, 34U, UL Listed Universal Equipment Rack (Chatsworth 48383-X00) ..... <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	894.85 31.42	133.23
27 11 16 00-0075 EA 72" Height, 23" Width, 3" Depth, 38U, UL Listed Universal Equipment Rack (Chatsworth 48383-X01) ..... <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	918.27 32.37	135.48
27 11 16 00-0076 EA 78" Height, 23" Width, 3" Depth, 41U, UL Listed Universal Equipment Rack (Chatsworth 48383-X02) ..... <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	943.94 33.42	137.75
27 11 16 00-0077 EA 84" Height, 23" Width, 3" Depth, 45U, UL Listed Universal Equipment Rack (Chatsworth 48383-X03) ..... <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	968.45 34.42	140.01
27 11 16 00-0078 EA 90" Height, 23" Width, 3" Depth, 48U, UL Listed Universal Equipment Rack (Chatsworth 48383-X05) ..... <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	993.59 35.45	142.26
27 11 16 00-0079 EA 96" Height, 23" Width, 3" Depth, 51U, UL Listed Universal Equipment Rack (Chatsworth 48383-X15) ..... <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	1,032.15 37.16	144.52
27 11 16 00-0080 EA 102" Height, 23" Width, 3" Depth, 55U, UL Listed Universal Equipment Rack (Chatsworth 48383-X17) ..... <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	1,065.57 38.60	146.78
27 11 16 00-0081 EA 108" Height, 23" Width, 3" Depth, 58U, UL Listed Universal Equipment Rack (Chatsworth 48383-X08) ..... <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	1,071.62 38.68	149.03
<b>27 11 16 00-0082 4-Post Equipment Racks And Server Frames (27 11 16 00-0022)</b>		
<b>27 11 16 00-0083 4-Post Equipment Racks (27 11 16 00-0082)</b>		
27 11 16 00-0084 EA 19" Width, 29" Depth, 84" Height, 4-Post Equipment Rack (Chatsworth 50120-X03) ..... <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	1,516.15 53.23	225.81
27 11 16 00-0085 EA 19" Width, 29" Depth, 96" Height, 4-Post Equipment Rack (Chatsworth 50120-X15) ..... <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	1,663.41 59.69	234.85
27 11 16 00-0086 EA 19" Width, 29" Depth, 108" Height, 4-Post Equipment Rack (Chatsworth 50120-X08) ..... <i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	1,801.97 65.71	243.87



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>27 11 16 00-0087 4-Post Server Frame</b> (27 11 16 00-0082)		
27 11 16 00-0088 EA 19" Width, 29" Depth, 84" Height, Server Frame (Chatsworth 15053-X03).....	1,562.97	225.81
<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	55.57	
<b>27 11 16 00-0089 Cable Managers</b> (27 11 16 00-0021)		
<b>27 11 16 00-0090 Horizontal Cable Managers</b> (27 11 16 00-0089)		
<b>27 11 16 00-0091 Single-Sided, Horizontal Cable Managers</b> (27 11 16 00-0090)		
27 11 16 00-0092 EA 1U Height, 19" Width, 4.96" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 30139-719) .....	90.51	9.04
27 11 16 00-0093 EA 1U Height, 23" Width, 4.96" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 30139-723) .....	101.50	9.04
27 11 16 00-0094 EA 1U Height, 19" Width, 5.9" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 13930-701) .....	74.53	9.04
27 11 16 00-0095 EA 2U Height, 19" Width, 5.14" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 30130-719) .....	92.16	9.04
27 11 16 00-0096 EA 2U Height, 23" Width, 5.14" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 30130-723) .....	109.17	9.04
27 11 16 00-0097 EA 2U Height, 19" Width, 5.9" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 13930-702) .....	83.22	9.04
27 11 16 00-0098 EA 3U Height, 19" Width, 5.14" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 30131-719) .....	126.43	9.04
27 11 16 00-0099 EA 3U Height, 23" Width, 5.14" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 30131-723) .....	144.79	9.04
27 11 16 00-0100 EA 3U Height, 19" Width, 5.9" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 13930-703) .....	100.59	9.04
<b>27 11 16 00-0101 Double-Sided, Horizontal Cable Managers</b> (27 11 16 00-0090)		
27 11 16 00-0102 EA 1U Height, 19" Width, 11.73" Depth, Double-Sided, Horizontal Cable Manager (Chatsworth 30529-719) .....	113.93	9.04
27 11 16 00-0103 EA 1U Height, 23" Width, 11.73" Depth, Double-Sided, Horizontal Cable Manager (Chatsworth 30529-723) .....	128.41	9.04
27 11 16 00-0104 EA 2U Height, 19" Width, 11.73" Depth, Double-Sided, Horizontal Cable Manager (Chatsworth 30530-719) .....	120.20	9.04
27 11 16 00-0105 EA 2U Height, 23" Width, 11.73" Depth, Double-Sided, Horizontal Cable Manager (Chatsworth 30530-723) .....	140.95	9.04
27 11 16 00-0106 EA 3U Height, 19" Width, 11.73" Depth, Double-Sided, Horizontal Cable Manager (Chatsworth 30531-719) .....	157.39	9.04
27 11 16 00-0107 EA 3U Height, 23" Width, 11.73" Depth, Double-Sided, Horizontal Cable Manager (Chatsworth 30531-723) .....	177.00	9.04
<b>27 11 16 00-0108 Vertical Cable Managers</b> (27 11 16 00-0089)		
<b>27 11 16 00-0109 Single-Sided, Vertical Cable Managers</b> (27 11 16 00-0108)		
27 11 16 00-0110 EA 3.6" Width, 9.7" Depth, 70" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13901-701) .....	207.36	13.55
27 11 16 00-0111 EA 6" Width, 9.8" Depth, 70" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13902-701) .....	296.41	13.55
27 11 16 00-0112 EA 10" Width, 10.3" Depth, 70" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13904-701) .....	483.19	13.55
27 11 16 00-0113 EA 12" Width, 10.4" Depth, 70" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13905-701) .....	548.34	13.55
27 11 16 00-0114 EA 3.6" Width, 9.7" Depth, 80.5" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13901-703) .....	222.57	13.55
27 11 16 00-0115 EA 6" Width, 9.8" Depth, 80.5" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13902-703) .....	320.30	13.55
27 11 16 00-0116 EA 10" Width, 10.3" Depth, 80.5" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13904-703) .....	526.62	13.55
27 11 16 00-0117 EA 12" Width, 10.4" Depth, 80.5" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13905-703) .....	591.78	13.55
27 11 16 00-0118 EA 3.6" Width, 9.7" Depth, 91" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13901-715) .....	252.97	13.55
27 11 16 00-0119 EA 6" Width, 9.8" Depth, 91" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13902-715) .....	352.88	13.55
27 11 16 00-0120 EA 10" Width, 10.3" Depth, 91" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13904-715) .....	591.78	13.55
27 11 16 00-0121 EA 12" Width, 10.4" Depth, 91" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13905-715) .....	656.93	13.55
<b>27 11 16 00-0122 Double-Sided, Vertical Cable Managers</b> (27 11 16 00-0108)		
27 11 16 00-0123 EA 3.6" Width, 16.4" Depth, 70" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13911-701) .....	305.09	13.55
27 11 16 00-0124 EA 6" Width, 16.6" Depth, 70" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13912-701) .....	361.56	13.55
27 11 16 00-0125 EA 10" Width, 17.5" Depth, 70" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13914-701) .....	591.78	13.55
27 11 16 00-0126 EA 12" Width, 17.8" Depth, 70" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13915-701) .....	700.37	13.55
27 11 16 00-0127 EA 3.6" Width, 16.4" Depth, 80.5" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13911-703) .....	331.16	13.55
27 11 16 00-0128 EA 6" Width, 16.6" Depth, 80.5" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13912-703) .....	387.62	13.55
27 11 16 00-0129 EA 10" Width, 17.5" Depth, 80.5" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13914-703) .....	635.21	13.55
27 11 16 00-0130 EA 12" Width, 17.8" Depth, 80.5" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13915-703) .....	743.81	13.55
27 11 16 00-0131 EA 3.6" Width, 16.4" Depth, 91" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13911-715) .....	365.91	13.55
27 11 16 00-0132 EA 6" Width, 16.6" Depth, 91" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13912-715) .....	422.37	13.55
27 11 16 00-0133 EA 10" Width, 17.5" Depth, 91" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13914-715) .....	700.37	13.55
27 11 16 00-0134 EA 12" Width, 17.8" Depth, 91" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13915-715) .....	808.96	13.55
<b>27 11 16 00-0135 Accessories For Vertical Cable Managers</b> (27 11 16 00-0108)		
27 11 16 00-0136 EA Cable Ring Kit For 3.6" Width x 70" Height, Vertical Cable Managers (Chatsworth 13934-716) .....	126.65	9.04
27 11 16 00-0137 EA Cable Ring Kit For 3.6" Width x 80.5" Height, Vertical Cable Managers (Chatsworth 13934-717) .....	135.34	9.04
27 11 16 00-0138 EA Cable Ring Kit For 3.6" Width x 91" Height, Vertical Cable Managers (Chatsworth 13934-718) .....	144.03	9.04
27 11 16 00-0139 EA Cable Ring Kit For 6" Width x 70" Height, Vertical Cable Managers (Chatsworth 13934-726) .....	131.00	9.04
27 11 16 00-0140 EA Cable Ring Kit For 6" Width x 80.5" Height, Vertical Cable Managers (Chatsworth 13934-727) .....	144.03	9.04
27 11 16 00-0141 EA Cable Ring Kit For 6" Width x 91" Height, Vertical Cable Managers (Chatsworth 13934-728) .....	157.06	9.04
27 11 16 00-0142 EA Cable Ring Kit For 10" Width x 70" Height, Vertical Cable Managers (Chatsworth 13934-746) .....	148.37	9.04
27 11 16 00-0143 EA Cable Ring Kit For 10" Width x 80.5" Height, Vertical Cable Managers (Chatsworth 13934-747) .....	161.40	9.04
27 11 16 00-0144 EA Cable Ring Kit For 10" Width x 91" Height, Vertical Cable Managers (Chatsworth 13934-748) .....	174.43	9.04
27 11 16 00-0145 EA Cable Ring Kit For 12" Width x 70" Height, Vertical Cable Managers (Chatsworth 13934-756) .....	157.06	9.04
27 11 16 00-0146 EA Cable Ring Kit For 12" Width x 80.5" Height, Vertical Cable Managers (Chatsworth 13934-757) .....	174.43	9.04
27 11 16 00-0147 EA Cable Ring Kit For 12" Width x 91" Height, Vertical Cable Managers (Chatsworth 13934-758) .....	187.46	9.04
27 11 16 00-0148 EA Cable Lashing Bar Kit For Vertical Cable Managers (Chatsworth 13928-001) .....	104.93	9.04
27 11 16 00-0149 EA Cable Spool Kit For Vertical Cable Managers (Chatsworth 13935-701) .....	122.31	9.04
27 11 16 00-0150 EA Cable Distribution Spools For Vertical Cable Managers (Chatsworth 15008-001) .....	128.17	9.04
27 11 16 00-0151 EA Cable Distribution Spool Spacer Kit For Vertical Cable Managers (Chatsworth 35505-001) .....	78.87	9.04

<b>27</b>	<b>Communications</b>
<b>27 10</b>	<b>Structured Cabling</b>
<b>27 11</b>	<b>Communications Equipment Room Fittings</b>



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

### 27 11 19 Communications Termination Blocks and Patch Panels (27 11)

Note: The terminating, testing, and labeling of the cables in question should be done according to the task description as well as the current contract specifications. See CSI section 26 05 53 00-0020 for labeling.

#### 27 11 19 00-0001 Computer Network Components (27 11 19)

#### 27 11 19 00-0002 Ethernet Patch Panels (27 11 19 00-0001)

27 11 19 00-0003	EA	12 Port, Category 5E Patch Panel	270.27	45.16
27 11 19 00-0004	EA	24 Port, Category 5E Patch Panel	423.80	45.16
27 11 19 00-0005	EA	32 Port, Category 5E Patch Panel	569.07	45.16
27 11 19 00-0006	EA	48 Port, Category 5E Patch Panel	704.44	45.16
27 11 19 00-0007	EA	64 Port, Category 5E Patch Panel	705.42	56.45
27 11 19 00-0008	EA	96 Port, Category 5E Patch Panel	1,317.47	67.74
27 11 19 00-0009	EA	12 Port, Category 6 Patch Panel	344.06	45.16
27 11 19 00-0010	EA	24 Port, Category 6 Patch Panel	433.70	45.16
27 11 19 00-0011	EA	48 Port, Category 6 Patch Panel	777.07	45.16
27 11 19 00-0012	EA	96 Port, Category 6 Patch Panel	1,456.14	67.74
27 11 19 00-0013	EA	16" x 12" x 8" Steel Enclosure, Type 12, Hinged, Lockable (Hoffman A161208LP)	725.77	67.74
27 11 19 00-0014	EA	16" x 16" x 6" Steel Enclosure, Type 12, Hinged, Lockable (Hoffman A161606LP)	758.76	67.74
27 11 19 00-0015	EA	12 Port, Category 6 Modular to 110 Mini Patch Panel (Ortronics-Legrand OR-PMP61289)	284.70	45.16
27 11 19 00-0016	EA	Terminate One End Of A 4 Pair Cable To Category "X" Specifications	32.00	
		<i>For &gt;5 To 10 Cables, Deduct</i>	-5.76	
		<i>For &gt;10 Cables, Deduct</i>	-12.80	
27 11 19 00-0017	EA	Terminate One End Of A Twisted Pair Of Wires	8.80	
		Note: Per each pair		
		<i>For &gt;20 To 40 Pairs, Deduct</i>	-1.41	
		<i>For &gt;40 Pairs, Deduct</i>	-3.34	

#### 27 11 19 00-0018 Fiber Optic Cable Patch Panels And Enclosures (27 11 19 00-0001)

#### 27 11 19 00-0019 Fiber Optic Cable Connector Housings (27 11 19 00-0018)

#### 27 11 19 00-0020 Wall Mount, Fiber Optic Cable Connector Housings (27 11 19 00-0019)

Note: Includes mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0048 for connector panels.

27 11 19 00-0021	EA	1-Panel Capacity, Wall Mount, Fiber Optic Cable Connector Housing	150.88	20.32
27 11 19 00-0022	EA	2-Panel Capacity, Wall Mount, Fiber Optic Cable Connector Housing	236.67	20.32
27 11 19 00-0023	EA	4-Panel Capacity, Wall Mount, Fiber Optic Cable Connector Housing	363.61	20.32
27 11 19 00-0024	EA	6-Panel Capacity, Wall Mount, Fiber Optic Cable Connector Housing	532.05	33.87
27 11 19 00-0025	EA	12-Panel Capacity, Wall Mount, Fiber Optic Cable Connector Housing	758.03	33.87

#### 27 11 19 00-0026 Rack Mount, Fiber Optic Cable Connector Housings (27 11 19 00-0019)

Note: Includes mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0048 for connector panels.

27 11 19 00-0027	EA	2-Panel Capacity, Rack Mount, Fiber Optic Cable Connector Housing	555.22	33.87
27 11 19 00-0028	EA	4-Panel Capacity, Rack Mount, Fiber Optic Cable Connector Housing	641.37	33.87
27 11 19 00-0029	EA	6-Panel Capacity, Rack Mount, Fiber Optic Cable Connector Housing	694.07	33.87
27 11 19 00-0030	EA	12-Panel Capacity, Rack Mount, Fiber Optic Cable Connector Housing	821.42	33.87

#### 27 11 19 00-0031 Rack Mount, Fiber Optic Cable Pretium® Connector Housings (27 11 19 00-0019)

Note: Includes mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0048 for connector panels.

27 11 19 00-0032	EA	2-Panel Capacity, Rack Mount, Fiber Optic Cable Pretium® Connector Housing	702.88	33.87
		<i>For Splice Tray Bracket, Add</i>	79.77	
27 11 19 00-0033	EA	4-Panel Capacity, Rack Mount, Fiber Optic Cable Pretium® Connector Housing	831.05	33.87
		<i>For Splice Tray Bracket, Add</i>	87.23	
27 11 19 00-0034	EA	12-Panel Capacity, Rack Mount, Fiber Optic Cable Pretium® Connector Housing	1,047.04	33.87
		<i>For Splice Tray Bracket, Add</i>	317.79	

#### 27 11 19 00-0035 Rack Mount, Fiber Optic Cable Pretium Edge® Connector Housings (27 11 19 00-0019)

Note: Includes mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0048 for connector panels.

27 11 19 00-0036	EA	8 Pretium Edge® Module Or Panel Capacity, Rack Mount, Fiber Optic Cable Pretium Edge® Connector Housing	904.57	33.87
27 11 19 00-0037	EA	12 Pretium Edge® Module Or Panel Capacity, Rack Mount, Fiber Optic Cable Pretium Edge® Connector Housing	1,169.04	33.87
27 11 19 00-0038	EA	24 Pretium Edge® Module Or Panel Capacity, Rack Mount, Fiber Optic Cable Pretium Edge® Connector Housing	1,329.35	33.87
27 11 19 00-0039	EA	48 Pretium Edge® Module Or Panel Capacity, Rack Mount, Fiber Optic Cable Pretium Edge® Connector Housing	1,738.22	33.87

#### 27 11 19 00-0040 Wall Mount, Fiber Optic Cable Industrial Connector Housings (27 11 19 00-0019)

Note: Includes powder-coat finish, pad lockable outer door and mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0048 for connector panels.

27 11 19 00-0041	EA	2-Panel Capacity, Wall Mount, Fiber Optic Cable Industrial Connector Housing	820.15	20.32
27 11 19 00-0042	EA	6-Panel Capacity, Wall Mount, Fiber Optic Cable Industrial Connector Housing	1,126.91	33.87
27 11 19 00-0043	EA	12-Panel Capacity, Wall Mount, Fiber Optic Cable Industrial Connector Housing	1,184.77	33.87

#### 27 11 19 00-0044 Wall Mount, Fiber Optic Cable Environmental Connector Housings (27 11 19 00-0019)

Note: Includes NEMA 4X enclosure, pad lockable outer door and mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0048 for connector panels.





<b>Communications</b>	<b>27</b>	<b>27</b>
Structured Cabling	27 10	
Communications Equipment Room Fittings	27 11	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 11 19 00-0045 EA 2-Panel Capacity, Wall Mount, Fiber Optic Cable Environmental Connector Housing .....	860.14	20.32
27 11 19 00-0046 EA 6-Panel Capacity, Wall Mount, Fiber Optic Cable Environmental Connector Housing .....	1,126.20	33.87
27 11 19 00-0047 EA 12-Panel Capacity, Wall Mount, Fiber Optic Cable Environmental Connector Housing .....	1,330.92	33.87
<b>27 11 19 00-0048 Fiber Optic Cable Connector Panels (27 11 19 00-0018)</b>		
<b>27 11 19 00-0049 SC Simplex, Fiber Optic Cable Connector Panels (27 11 19 00-0048)</b>		
27 11 19 00-0050 EA 6-Fiber, Multimode, SC Simplex, Fiber Optic Cable Connector Panel.....	110.63	4.51
27 11 19 00-0051 EA 6-Fiber, Singlemode, SC Simplex, Fiber Optic Cable Connector Panel .....	120.56	4.51
27 11 19 00-0052 EA 8-Fiber, Multimode, SC Simplex, Fiber Optic Cable Connector Panel.....	135.97	4.51
27 11 19 00-0053 EA 8-Fiber, Singlemode, SC Simplex, Fiber Optic Cable Connector Panel .....	149.21	4.51
27 11 19 00-0054 EA 12-Fiber, Multimode, SC Simplex, Fiber Optic Cable Connector Panel.....	186.71	4.51
27 11 19 00-0055 EA 12-Fiber, Singlemode, SC Simplex, Fiber Optic Cable Connector Panel .....	206.51	4.51
<b>27 11 19 00-0056 SC Duplex, Fiber Optic Cable Connector Panels (27 11 19 00-0048)</b>		
27 11 19 00-0057 EA 6-Fiber, Multimode, SC Duplex, Fiber Optic Cable Connector Panel .....	106.24	4.51
27 11 19 00-0058 EA 6-Fiber, Singlemode, SC Duplex, Fiber Optic Cable Connector Panel .....	108.57	4.51
27 11 19 00-0059 EA 8-Fiber, Multimode, SC Duplex, Fiber Optic Cable Connector Panel .....	130.16	4.51
27 11 19 00-0060 EA 8-Fiber, Singlemode, SC Duplex, Fiber Optic Cable Connector Panel .....	133.26	4.51
27 11 19 00-0061 EA 12-Fiber, Multimode, SC Duplex, Fiber Optic Cable Connector Panel .....	177.98	4.51
27 11 19 00-0062 EA 12-Fiber, Singlemode, SC Duplex, Fiber Optic Cable Connector Panel.....	182.59	4.51
<b>27 11 19 00-0063 LC Duplex, Fiber Optic Cable Connector Panels (27 11 19 00-0048)</b>		
27 11 19 00-0064 EA 6-Fiber, Multimode, LC Duplex, Fiber Optic Cable Connector Panel.....	115.20	4.51
27 11 19 00-0065 EA 6-Fiber, Singlemode, LC Duplex, Fiber Optic Cable Connector Panel .....	126.90	4.51
27 11 19 00-0066 EA 8-Fiber, Multimode, LC Duplex, Fiber Optic Cable Connector Panel .....	142.06	4.51
27 11 19 00-0067 EA 8-Fiber, Singlemode, LC Duplex, Fiber Optic Cable Connector Panel .....	157.68	4.51
27 11 19 00-0068 EA 12-Fiber, Multimode, LC Duplex, Fiber Optic Cable Connector Panel.....	195.85	4.51
27 11 19 00-0069 EA 12-Fiber, Singlemode, LC Duplex, Fiber Optic Cable Connector Panel .....	219.23	4.51
27 11 19 00-0070 EA 16-Fiber, Multimode, LC Duplex, Fiber Optic Cable Connector Panel.....	249.62	4.51
27 11 19 00-0071 EA 16-Fiber, Singlemode, LC Duplex, Fiber Optic Cable Connector Panel .....	280.78	4.51
27 11 19 00-0072 EA 24-Fiber, Multimode, LC Duplex, Fiber Optic Cable Connector Panel.....	357.14	4.51
27 11 19 00-0073 EA 24-Fiber, Singlemode, LC Duplex, Fiber Optic Cable Connector Panel .....	368.00	4.51
<b>27 11 19 00-0074 ST Simplex, Fiber Optic Cable Connector Panels (27 11 19 00-0048)</b>		
27 11 19 00-0075 EA 6-Fiber, Multimode, ST Simplex, Fiber Optic Cable Connector Panel .....	90.96	4.51
27 11 19 00-0076 EA 6-Fiber, Singlemode, ST Simplex, Fiber Optic Cable Connector Panel.....	98.47	4.51
27 11 19 00-0077 EA 8-Fiber, Multimode, ST Simplex, Fiber Optic Cable Connector Panel .....	109.77	4.51
27 11 19 00-0078 EA 8-Fiber, Singlemode, ST Simplex, Fiber Optic Cable Connector Panel.....	119.79	4.51
27 11 19 00-0079 EA 12-Fiber, Multimode, ST Simplex, Fiber Optic Cable Connector Panel .....	147.36	4.51
27 11 19 00-0080 EA 12-Fiber, Singlemode, ST Simplex, Fiber Optic Cable Connector Panel.....	162.41	4.51
<b>27 11 19 00-0081 MT-RJ, Fiber Optic Cable Connector Panels (27 11 19 00-0048)</b>		
27 11 19 00-0082 EA 12-Fiber, Multimode, MT-RJ, Fiber Optic Cable Connector Panel.....	114.50	4.51
27 11 19 00-0083 EA 12-Fiber, Singlemode, MT-RJ, Fiber Optic Cable Connector Panel .....	174.24	4.51
<b>27 11 19 00-0084 Fiber Optic Cable Pretium Edge® Modules (27 11 19 00-0048)</b>		
27 11 19 00-0085 EA 12-Fiber, Singlemode, LC Duplex To MTP, Fiber Optic Cable Pretium Edge® Module .....	1,031.40	4.51
27 11 19 00-0086 EA 12-Fiber, Multimode, LC Duplex To MTP, Fiber Optic Cable Pretium Edge® Module.....	1,035.00	4.51
<b>27 11 19 00-0087 Fiber Optic Cable Splice Housings (27 11 19 00-0018)</b>		
<b>27 11 19 00-0088 Wall Mount, Fiber Optic Cable Splice Housings (27 11 19 00-0087)</b>		
Note: Includes mounting hardware. Excludes splice trays.		
27 11 19 00-0089 EA 12 Splice Tray Capacity, Wall Mount, Fiber Optic Splice Housing With Locking Door.....	356.66	45.16
<b>27 11 19 00-0090 Rack Mount, Fiber Optic Cable Splice Housings (27 11 19 00-0087)</b>		
Note: Includes mounting hardware. Excludes splice trays.		
27 11 19 00-0091 EA 12 Splice Tray Capacity, Rack Mount, Fiber Optic Cable Splice Housing .....	577.91	33.87
27 11 19 00-0092 EA 22 Splice Tray Capacity, Rack Mount, Fiber Optic Cable Splice Housing .....	587.29	33.87
<b>27 11 19 00-0093 Fiber Optic Cable Splice Trays (27 11 19 00-0087)</b>		
27 11 19 00-0094 EA Fiber Optic Cable Splice Tray.....	104.08	11.29
<b>27 11 19 00-0095 Fiber Optic Cable Jumper Management Panels (27 11 19 00-0018)</b>		
Note: Includes mounting hardware.		
27 11 19 00-0096 EA Rack Mount, Fiber Optic Cable Jumper Management Panel.....	186.82	33.87
<b>27 11 19 00-0097 Miscellaneous Accessories (27 11 19 00-0001)</b>		

<b>27</b>	<b>Communications</b>
<b>27 10</b>	<b>Structured Cabling</b>
<b>27 11</b>	<b>Communications Equipment Room Fittings</b>



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

27 11 19 00-0098	EA	Wall Mount Bracket For 12 Or 24 Port Patch Panel.....	70.88	
27 11 19 00-0099	EA	Wall Mount Bracket For 32 Or 48 Port Patch Panel.....	96.35	
27 11 19 00-0100	EA	Wall Mount Bracket For 64 Or 72 Port Patch Panel.....	103.88	
27 11 19 00-0101	EA	Wall Mount Bracket For 96 Port Patch Panel.....	115.18	
27 11 19 00-0102	EA	Lightning Protection Plus Stainless Steel Modules, Siemon.....	495.12	45.16
<b>27 11 19 00-0103</b>		<b>Telephone Components (27 11 19)</b>		
<b>27 11 19 00-0104</b>		<b>Terminal Blocks With Wide Range Of 22-8 AWG (27 11 19 00-0103)</b>		
27 11 19 00-0105	EA	Terminal Block, Circuit Isolation Switch With Wire Range 22-8 AWG.....	29.54	9.06
27 11 19 00-0106	EA	Terminal Block, Fuse Holder 600 Volt, 6.3 Amperes With Wire Range 22-8 AWG.....	62.76	9.06
27 11 19 00-0107	EA	Terminal Block, Fuse Holder 600 Volt, 10 Amperes With Wire Range 22-8 AWG.....	49.16	9.06
27 11 19 00-0108	EA	Terminal Block, Solderless Box With Lugs And Wire Range 22-8 AWG.....	21.70	9.06
27 11 19 00-0109	EA	Flat Terminal Block Connection With Wire Range 22-8 AWG.....	15.30	6.33
27 11 19 00-0110	EA	Ground Terminal Block With Wire Range 22-8 AWG.....	30.98	9.06
27 11 19 00-0111	EA	Terminal Block, Solderless Box With Lug 600 Volt, 60 Amperes With Wire Range 22-8 AWG.....	21.70	9.06
27 11 19 00-0112	EA	Terminal Block, Mini Box Lug 300 Volt, 30 Amperes With Wire Range 22-8 AWG.....	15.09	6.33
27 11 19 00-0113	EA	Flat Terminal Block Connection 300 Volt, 20 Amperes With Wire Range 22-8 AWG.....	14.94	6.33
27 11 19 00-0114	EA	Self Lifting Terminal Block, 300 Volt, 40 Amperes, Wire Connection With Wire Range 22-12 AWG.....	15.60	6.33
<b>27 11 19 00-0115</b>		<b>Terminal Block Mounting Channel (27 11 19 00-0103)</b>		
27 11 19 00-0116	EA	Terminal Block Mounting Channel, .5 M Galvanized Steel.....	15.82	4.52
27 11 19 00-0117	EA	Terminal Block Mounting Channel, 1 M Galvanized Steel.....	21.27	4.52
27 11 19 00-0118	EA	Terminal Block Mounting Channel, 2 M Galvanized Steel.....	30.95	4.52
27 11 19 00-0119	EA	Terminal Block Mounting Channel, .5 M Bi-Chrome Zinc.....	20.74	5.43
27 11 19 00-0120	EA	Terminal Block Mounting Channel, 1 M Bi-Chrome Zinc.....	29.86	5.43
27 11 19 00-0121	EA	Terminal Block Mounting Channel, 2 M Bi-Chrome Zinc.....	45.12	5.43
<b>27 11 19 00-0122</b>		<b>Outlet Termination Hardware (27 11 19 00-0103)</b>		
27 11 19 00-0123	EA	Telephone Outlet Blocks.....	33.82	4.52
27 11 19 00-0124	EA	Phone Outlet Block For Floor Box.....	78.33	34.32
		Note: Excludes box.		
27 11 19 00-0125	EA	Fiber Optic "SC" Type Modular Bulkhead.....	76.65	20.32
27 11 19 00-0126	EA	Fiber Optic "ST" Type Modular Bulkhead.....	76.65	20.32
27 11 19 00-0127	EA	Type "F" Coaxial Connector Male.....	43.60	13.55
27 11 19 00-0128	EA	Modular Plate For 3-RJ-45, 4 - "SC" And 1 -"F" Connector.....	121.67	22.58
27 11 19 00-0129	EA	Modular Plate For 3-RJ-45, 4 - "ST" And 1 -"F" Connector.....	121.67	22.58
27 11 19 00-0130	EA	Access Floor Box With 3-RJ-45, 4 - "SC" And 1 -"F" Connector.....	150.18	22.58
27 11 19 00-0131	EA	Access Floor Box With 3-RJ-45, 4 - "ST" And 1 -"F" Connector.....	150.18	22.58
27 11 19 00-0132	EA	Access Floor Box With 2-RJ-45, 4 - "SC" And 1 -25 Pin Connector.....	135.17	22.58
27 11 19 00-0133	EA	Terminal Type - Punch Down Block 110 Type - 300 Pair Category 5.....	1,233.97	112.90
27 11 19 00-0134	EA	Wiring (Punch Down) Block with Stand-Off Legs, 100 Pair, Category V.....	55.85	9.04
		Note: Excludes cable terminations.		
27 11 19 00-0135	EA	5-Pair, Connecting Block.....	3.19	0.90
27 11 19 00-0136	EA	4-Pair, Connecting Block.....	3.51	0.90
27 11 19 00-0137	EA	Plastic Label Holder, Transparent.....	12.78	2.26
27 11 19 00-0138	EA	Marked Label, White, 5-Pair.....	3.30	
27 11 19 00-0139	EA	Marked Label, Blue, 4-Pair.....	3.30	
<b>27 11 19 00-0140</b>		<b>Terminations in Manhole or Junction Box (27 11 19 00-0103)</b>		
27 11 19 00-0141	EA	25 Pair Cable Termination In Manhole Or Junction Box.....	144.52	
27 11 19 00-0142	EA	50 Pair Cable Termination In Manhole Or Junction Box.....	289.04	
27 11 19 00-0143	EA	100 Pair Cable Termination In Manhole Or Junction Box.....	578.07	
27 11 19 00-0144	EA	150 Pair Cable Termination In Manhole Or Junction Box.....	867.10	
27 11 19 00-0145	EA	200 Pair Cable Termination In Manhole Or Junction Box.....	1,014.34	
27 11 19 00-0146	EA	300 Pair Cable Termination In Manhole Or Junction Box.....	1,521.05	
27 11 19 00-0147	EA	400 Pair Cable Termination In Manhole Or Junction Box.....	1,913.05	
27 11 19 00-0148	EA	500 Pair Cable Termination In Manhole Or Junction Box.....	2,391.76	
27 11 19 00-0149	EA	750 Pair Cable Termination In Manhole Or Junction Box.....	3,587.63	
27 11 19 00-0150	EA	1,000 Pair Cable Termination In Manhole Or Junction Box.....	4,350.86	
27 11 19 00-0151	EA	1,200 Pair Cable Termination In Manhole Or Junction Box.....	4,958.81	
<b>27 11 23</b>		<b>Communications Cable Management and Ladder Rack (27 11)</b>		
<b>27 11 23 00-0001</b>		<b>Equipment Supports (27 11 23)</b>		
27 11 23 00-0002	EA	Environmental Enclosure, NEMA 4x SS, 6' Free Standing.....	29,646.88	711.72
27 11 23 00-0003	EA	DVR Enclosure.....	1,989.13	177.91
27 11 23 00-0004	EA	Wall Mount Type 4X Enclosure 24.00x30.00x8.00 Stainless Steel Type 316.....	7,575.18	355.83
27 11 23 00-0005	EA	Panel, NEMA 12/27.00x21.00.....	499.75	88.96
27 11 23 00-0006	EA	Panel, NEMA 12/8.75x6.88.....	120.30	88.96
27 11 23 00-0007	EA	Clamp Assembly, Fast Opening, Stainless Steel Type 304.....	170.47	88.96
27 11 23 00-0008	EA	Wall-Mount Type 4x Enclosure 24.00x30.00x8.00 Stainless Steel Type 316.....	6,952.47	88.96
27 11 23 00-0009	EA	12" x 5'-11" Tubular Runway.....	109.13	21.67
27 11 23 00-0010	EA	12" x 9'-11" Tubular Runway.....	187.87	36.13
27 11 23 00-0011	EA	Shelf Bracket Support For Tubular Runway.....	34.39	6.77
27 11 23 00-0012	EA	Straight Clamp Hardware For Tubular Runway.....	13.35	4.51



<b>Communications</b>	<b>27</b>	<b>27</b>
Structured Cabling	27 10	
Communications Equipment Room Fittings	27 11	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 11 23 00-0013 EA Corner Clamp Hardware For Tubular Runway .....	14.42	4.51
27 11 23 00-0014 EA 90 Degree Edge Clamp Hardware For Tubular Runway .....	34.96	8.12
27 11 23 00-0015 EA Wall Angle Assembly Hardware For 12" Wide Tubular Runway .....	77.63	13.55
27 11 23 00-0016 EA J-Bolt Hardware For Tubular Runway .....	6.51	1.99
27 11 23 00-0017 EA T Bracket Hardware For Tubular Runway .....	38.09	11.29
27 11 23 00-0018 EA 110 Jumper Trough (Commscope 107831133) .....	29.47	4.51
27 11 23 00-0019 LF Velcro CMP .....	2.26	0.90

**27 13 Communications Backbone Cabling (27 10)**

**27 13 13 Communications Copper Backbone Cabling (27 13)**

**27 13 13 13 Communications Copper Cable Splicing and Terminations (27 13 13)**

**27 13 13 13-0001 Building Entrance Terminals (27 13 13 13)**

27 13 13 13-0002 EA 25 Pair Gas Protective Unit Assembly Complete With Gas Protector.....	2,757.79	198.00
27 13 13 13-0003 EA 50 Pair Gas Protective Unit Assembly Complete With Gas Protector.....	3,582.90	330.01
27 13 13 13-0004 EA 100 Pair Gas Protective Unit Assembly Complete With Gas Protector.....	4,975.36	528.44

**27 13 13 13-0005 Modular Plugs For Copper Communications Cable (27 13 13 13)**

27 13 13 13-0006 EA Modular Plug For Non-Shielded Copper Communications Cable .....	23.65	
Note: Up to 8-position/8-contact non-shielded modular plug for solid or stranded wire. Includes termination.		
For >5 To 10, Deduct	-2.70	
For >10, Deduct	-5.40	
27 13 13 13-0007 EA Modular Plug For Shielded Copper Communications Cable .....	27.10	
Note: Up to 8-position/8-contact shielded modular plug for solid or stranded wire. Includes termination.		
For >5 To 10, Deduct	-3.04	
For >10, Deduct	-6.08	

**27 13 13 13-0008 Testing And Certification Of Copper Communications Cable (27 13 13 13)**

Note: Use for existing systems.		
27 13 13 13-0009 EA Test 1-Pair Of A Copper Communications Cable For Continuity .....	4.51	
For >25-Pair, Deduct	-1.80	
27 13 13 13-0010 EA Certify 1-Pair Of A Copper Communications Cable .....	6.77	
For >25-Pair, Deduct	-2.70	
27 13 13 13-0011 EA Certify And Document 1-Pair Of A Copper Communications Cable .....	10.84	
For >25-Pair, Deduct	-4.32	
27 13 13 13-0012 EA Test 4-Pair Category 5-7 Telecommunications Cable For Continuity .....	18.06	
For >25-Pair, Deduct	-7.20	
27 13 13 13-0013 EA Certify 4-Pair Category 5-7 Telecommunications Cable .....	27.10	
For >25-Pair, Deduct	-10.81	
27 13 13 13-0014 EA Certify And Document 4-Pair Category 5-7 Telecommunications Cable .....	43.36	
For >25-Pair, Deduct	-17.29	

**27 13 13 13-0015 Communications Termination Blocks (27 13 13 13)**

27 13 13 13-0016 EA 100-Pair, 110 Block With Legs.....	53.51	11.29
27 13 13 13-0017 EA 300-Pair, 110 Block With Legs.....	98.50	11.29
27 13 13 13-0018 EA Clear Label Holder For 110 Wiring Block.....	9.91	4.51
27 13 13 13-0019 EA 4-Pair, 110C Connecting Block.....	5.87	2.26
27 13 13 13-0020 EA 5-Pair, 110C Connecting Block.....	6.04	2.26
27 13 13 13-0021 EA 100-Pair, 110 Jack Panel System.....	337.07	13.55
Note: Includes twelve 8-pin modular jacks and mounting legs.		
27 13 13 13-0022 EA 300-Pair, 110 Jack Panel System.....	647.69	13.55
Note: Includes twelve 8-pin modular jacks and mounting legs.		

**27 13 23 Communications Optical Fiber Backbone Cabling (27 13)**

**27 13 23 13 Communications Optical Fiber Splicing and Terminations (27 13 23)**

**27 13 23 13-0001 Fiber Optic Cable Connectors (27 13 23 13)**

27 13 23 13-0002 EA ST Connector For Multimode Fiber Optic Cable .....	27.60	
27 13 23 13-0003 EA ST Connector For Singlemode Fiber Optic Cable .....	32.35	
27 13 23 13-0004 EA SC Connector For Multimode Fiber Optic Cable .....	31.12	
27 13 23 13-0005 EA SC Connector For Singlemode Fiber Optic Cable .....	37.17	
27 13 23 13-0006 EA LC Connector For Multimode Fiber Optic Cable .....	42.92	
27 13 23 13-0007 EA LC Connector For Singlemode Fiber Optic Cable .....	44.33	
27 13 23 13-0008 EA MT-RJ Connector For Multimode Fiber Optic Cable .....	66.18	

**27 13 23 13-0009 Fiber Optic Cable Fan Out Kits (27 13 23 13)**

**27 13 23 13-0010 Buffer Tube Fan Out Kits For Fiber Optic Cable (27 13 23 13-0009)**

27 13 23 13-0011 EA 6-Fiber, Indoor Buffer Tube Fan Out Kit For Fiber Optic Cable .....	200.36	
27 13 23 13-0012 EA 12-Fiber, Indoor Buffer Tube Fan Out Kit For Fiber Optic Cable .....	204.13	
27 13 23 13-0013 EA 6-Fiber, Outdoor Buffer Tube Fan Out Kit For Fiber Optic Cable.....	235.93	
27 13 23 13-0014 EA 12-Fiber, Outdoor Buffer Tube Fan Out Kit For Fiber Optic Cable.....	259.78	

**27 Communications****27 10 Structured Cabling****27 13 Communications Backbone Cabling**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>27 13 23 13-0015 Spider Fan Out Kits For Fiber Optic Cable</b> (27 13 23 13-0009)		
Note: For tight buffered or loose tube non-armored cables. Includes aramid yarn strength member, outer protective PVDF jacket and one meter fan out lengths.		
27 13 23 13-0016 EA 6-Fiber, Spider Fan Out Kit For Fiber Optic Cable.....	246.75	
27 13 23 13-0017 EA 12-Fiber, Spider Fan Out Kit For Fiber Optic Cable.....	272.02	
27 13 23 13-0018 EA 18-Fiber, Spider Fan Out Kit For Fiber Optic Cable.....	395.38	
27 13 23 13-0019 EA 24-Fiber, Spider Fan Out Kit For Fiber Optic Cable.....	510.97	
<b>27 13 23 13-0020 Fiber Optic Cable Splice Closures</b> (27 13 23 13)		
Note: Includes mounting hardware. Excludes splicing and splice trays.		
27 13 23 13-0021 EA Up To 144-Fiber Capacity, Pedestal Fiber Optic Cable Splice Closure.....	914.13	90.33
27 13 23 13-0022 EA Up To 144-Fiber Capacity, Underground Fiber Optic Cable Splice Closure.....	1,094.77	180.65
27 13 23 13-0023 EA Up To 144-Fiber Capacity, Aerial Fiber Optic Cable Splice Closure.....	1,094.77	180.65
27 13 23 13-0024 EA Up To 288-Fiber Capacity, Pedestal Fiber Optic Cable Splice Closure.....	1,577.81	90.33
27 13 23 13-0025 EA Up To 288-Fiber Capacity, Underground Fiber Optic Cable Splice Closure.....	1,758.45	180.65
27 13 23 13-0026 EA Up To 288-Fiber Capacity, Aerial Fiber Optic Cable Splice Closure.....	1,758.45	180.65
27 13 23 13-0027 EA Splice Tray For Fiber Optic Cable Splice Closure.....	59.55	11.29
Note: Up to 12-fiber, mechanical or fusion splice tray. Excludes splice.		
<b>27 13 23 13-0028 Fiber Optic Cable Testing</b> (27 13 23 13)		
Note: Price based on testing one wavelength.		
<b>27 13 23 13-0029 Fiber Optic Cable Testing Using An OTDR</b> (27 13 23 13-0028)		
Note: Testing using an optical time domain reflectometer.		
27 13 23 13-0030 EA Test 1-Strand Of Fiber Optic Cable Using A Single Directional OTDR Test.....	18.06	
<i>For &gt;12 To 48 Strands, Deduct</i>		
	-1.35	
<i>For &gt;48 Strands, Deduct</i>		
	-1.81	
27 13 23 13-0031 EA Test 1-Strand Of Fiber Optic Cable Using A Multi-Directional OTDR Test.....	27.10	
<i>For &gt;12 To 48 Strands, Deduct</i>		
	-2.03	
<i>For &gt;48 Strands, Deduct</i>		
	-2.71	
27 13 23 13-0032 EA Test 1-Strand Of Fiber Optic Cable Using A Single Directional OTDR Test With Documentation.....	45.16	
<i>For &gt;12 To 48 Strands, Deduct</i>		
	-3.39	
<i>For &gt;48 Strands, Deduct</i>		
	-4.52	
27 13 23 13-0033 EA Test 1-Strand Of Fiber Optic Cable Using A Multi-Directional OTDR Test With Documentation.....	67.74	
<i>For &gt;12 To 48 Strands, Deduct</i>		
	-5.08	
<i>For &gt;48 Strands, Deduct</i>		
	-6.77	
<b>27 13 23 13-0034 Fiber Optic Cable Testing Using A Power Meter</b> (27 13 23 13-0028)		
27 13 23 13-0035 EA Test 1-Strand Of Fiber Optic Cable Using A Single Directional Power Meter Test.....	18.06	
<i>For &gt;12 To 48 Strands, Deduct</i>		
	-1.35	
<i>For &gt;48 Strands, Deduct</i>		
	-1.81	
27 13 23 13-0036 EA Test 1-Strand Of Fiber Optic Cable Using A Multi-Directional Power Meter Test.....	27.10	
<i>For &gt;12 To 48 Strands, Deduct</i>		
	-2.03	
<i>For &gt;48 Strands, Deduct</i>		
	-2.71	
<b>27 13 23 13-0037 Fiber Optic Cable Light Source/Continuity Testing</b> (27 13 23 13-0028)		
27 13 23 13-0038 EA Test 1-Strand Of Fiber Optic Cable Using A Light Source/Continuity Test.....	18.06	
<i>For &gt;12 To 48 Strands, Deduct</i>		
	-1.35	
<i>For &gt;48 Strands, Deduct</i>		
	-1.81	
<b>27 13 23 13-0039 Fiber Optic Cable Splicing</b> (27 13 23 13)		
27 13 23 13-0040 EA Single Strand, Fusion Splice Of Fiber Optic Cable.....	27.10	
27 13 23 13-0041 EA 12-Strand Ribbon, Fusion Splice Of Fiber Optic Cable.....	90.33	
<b>27 13 23 13-0042 Other Fiber Optic Cable Equipment</b> (27 13 23 13)		
27 13 23 13-0043 EA 8 Port Ethernet Switch.....	900.26	177.71
27 13 23 13-0044 EA 18 dBi Gain, 5.25-5.85 GHZ Band, 18 Degree Beamwidth.....	1,320.14	177.71
Note: Patch antenna with 1 meter 3' SMA-N cable		
27 13 23 13-0045 EA Outdoor Multi Band 5.3 Or 5.8 GHz Wireless Ethernet Bridge.....	35,434.01	177.71
Note: 8 Volt DC input		
27 13 23 13-0046 EA UPS, 500 VA 300 Watt UPS For CCTV, Edco PA400-120U.....	338.50	22.25
27 13 23 13-0047 EA Hardened Ethernet Switch.....	3,686.26	88.96
27 13 23 13-0048 EA 1,440 Watt, 120 Volt AC Solar Power Station.....	95,582.77	2,134.98
27 13 23 13-0049 EA 2,880 Watt, 120 Volt AC Solar Power Station.....	118,565.81	2,846.64
27 13 23 13-0050 EA Fiber Break Out Box For 24 Fiber.....	1,444.71	177.91
27 13 23 13-0051 EA Fiber Optic MM Data (PTZ or SYNC) 1300 Video 850, 1 Fiber, RM.....	1,745.90	88.96
27 13 23 13-0052 EA Fiber Optic MM Data (PTZ or SYNC) 850 Video 850, 2 Fibers.....	1,451.90	88.96
27 13 23 13-0053 EA Fiber Optic 19" Rack, 115 Volt AC Input.....	1,834.85	133.44
27 13 23 13-0054 EA Commercial Gigabit Media Converter, Ethernet RJ45 to Fiber Optic. Shelf, Wall or Chassis Mount, 100 Volt AC - 260 Volt AC, Power Module Included. Gigabit Ports: 1 x 1000TX And 1 x 1000LX SM 20KM, (Etherwan Systems).....	1,451.91	
27 13 23 13-0055 EA Media Converter Chassis (Etherwan Systems), 16 Slots for any Standard Size Media Converter, 19" Rack Mount Redundant Power Supplies, Power Option 100 Volt AC - 260 Volt AC.....	1,451.91	
<b>27 13 23 13-0056 Other Fiber Optic Cable Splicing</b> (27 13 23 13)		
27 13 23 13-0057 EA Fiber Optic Finger Splice.....	33.24	16.98



<b>Communications</b>	<b>27</b>	<b>27</b>
<b>Structured Cabling</b>	<b>27 10</b>	
<b>Communications Backbone Cabling</b>	<b>27 13</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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27 13 23 13-0058 EA Fiber Optic Splice Box - Manholes..... 5,932.46

**27 15 Communications Horizontal Cabling** <sup>(27 10)</sup>

**27 15 13 Communications Copper Horizontal Cabling** <sup>(27 15)</sup>

Note: Cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Cable installed exposed includes installation on exposed surfaces, uncovered wireways, cable trays, etc.

27 15 13 00-0001	Solid Conductor Low Voltage Cable <sup>(27 15 13)</sup>		
27 15 13 00-0002	Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit <sup>(27 15 13 00-0001)</sup>		
27 15 13 00-0003	#12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit <sup>(27 15 13 00-0002)</sup>		
27 15 13 00-0004	MLF 1 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,674.56	816.78
	<i>For #10 AWG, Add</i>	375.62	
	<i>For Work In Restricted Working Space, Add</i>	408.43	
27 15 13 00-0005	MLF 2 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,987.69	845.66
	<i>For #10 AWG, Add</i>	472.66	
	<i>For Work In Restricted Working Space, Add</i>	422.96	
27 15 13 00-0006	MLF 3 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,263.57	875.36
	<i>For #10 AWG, Add</i>	557.37	
	<i>For Work In Restricted Working Space, Add</i>	437.56	
27 15 13 00-0007	MLF 4 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,555.44	905.06
	<i>For #10 AWG, Add</i>	647.14	
	<i>For Work In Restricted Working Space, Add</i>	452.67	
27 15 13 00-0008	MLF 5 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,884.41	966.12
	<i>For #10 AWG, Add</i>	742.47	
	<i>For Work In Restricted Working Space, Add</i>	483.20	
27 15 13 00-0009	MLF 6 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,186.24	1,026.35
	<i>For #10 AWG, Add</i>	829.03	
	<i>For Work In Restricted Working Space, Add</i>	513.31	
27 15 13 00-0010	MLF 8 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,467.21	1,148.45
	<i>For #10 AWG, Add</i>	895.39	
	<i>For Work In Restricted Working Space, Add</i>	574.12	
27 15 13 00-0011	MLF 12 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	4,594.07	1,513.95
	<i>For #10 AWG, Add</i>	1,188.08	
	<i>For Work In Restricted Working Space, Add</i>	756.83	
27 15 13 00-0012	MLF 24 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	6,832.43	2,235.85
	<i>For #10 AWG, Add</i>	1,770.39	
	<i>For Work In Restricted Working Space, Add</i>	1,117.64	
27 15 13 00-0013	#14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit <sup>(27 15 13 00-0002)</sup>		
27 15 13 00-0014	MLF 1 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,489.72	714.49
	<i>For Work In Restricted Working Space, Add</i>	357.16	
27 15 13 00-0015	MLF 2 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,785.53	740.06
	<i>For Work In Restricted Working Space, Add</i>	370.03	
27 15 13 00-0016	MLF 3 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,045.53	765.64
	<i>For Work In Restricted Working Space, Add</i>	382.90	
27 15 13 00-0017	MLF 4 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,320.00	792.04
	<i>For Work In Restricted Working Space, Add</i>	396.02	
27 15 13 00-0018	MLF 5 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,626.17	845.66
	<i>For Work In Restricted Working Space, Add</i>	422.75	
27 15 13 00-0019	MLF 6 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,906.14	898.46
	<i>For Work In Restricted Working Space, Add</i>	448.99	
27 15 13 00-0020	MLF 8 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,159.13	1,004.90
	<i>For Work In Restricted Working Space, Add</i>	502.45	
27 15 13 00-0021	MLF 12 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	4,186.04	1,324.18
	<i>For Work In Restricted Working Space, Add</i>	662.09	
27 15 13 00-0022	MLF 24 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	6,229.15	1,956.17
	<i>For Work In Restricted Working Space, Add</i>	978.17	

<b>27</b>	<b>Communications</b>
<b>27 10</b>	<b>Structured Cabling</b>
<b>27 15</b>	<b>Communications Horizontal Cabling</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>27 15 13 00-0023 #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit</b> <small>(27 15 13 00-0002)</small>		
27 15 13 00-0024 MLF 1 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit ..... 1,326.93	1,326.93	637.75
<i>For Work In Restricted Working Space, Add</i> ..... 319.04	319.04	
27 15 13 00-0025 MLF 2 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit ..... 1,524.18	1,524.18	660.85
<i>For Work In Restricted Working Space, Add</i> ..... 330.43	330.43	
27 15 13 00-0026 MLF 3 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit ..... 1,816.72	1,816.72	683.96
<i>For Work In Restricted Working Space, Add</i> ..... 341.81	341.81	
27 15 13 00-0027 MLF 4 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit ..... 2,059.52	2,059.52	707.06
<i>For Work In Restricted Working Space, Add</i> ..... 353.69	353.69	
27 15 13 00-0028 MLF 5 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit ..... 2,329.88	2,329.88	754.91
<i>For Work In Restricted Working Space, Add</i> ..... 377.45	377.45	
27 15 13 00-0029 MLF 6 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit ..... 2,577.79	2,577.79	801.93
<i>For Work In Restricted Working Space, Add</i> ..... 400.97	400.97	
27 15 13 00-0030 MLF 7 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit ..... 2,689.92	2,689.92	849.79
<i>For Work In Restricted Working Space, Add</i> ..... 424.73	424.73	
27 15 13 00-0031 MLF 8 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit ..... 2,802.86	2,802.86	897.64
<i>For Work In Restricted Working Space, Add</i> ..... 448.74	448.74	
27 15 13 00-0032 MLF 9 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit ..... 3,115.59	3,115.59	954.57
<i>For Work In Restricted Working Space, Add</i> ..... 477.20	477.20	
27 15 13 00-0033 MLF 12 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit ..... 3,713.37	3,713.37	1,182.28
<i>For Work In Restricted Working Space, Add</i> ..... 591.18	591.18	
27 15 13 00-0034 MLF 24 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit ..... 5,525.30	5,525.30	1,746.60
<i>For Work In Restricted Working Space, Add</i> ..... 873.35	873.35	
<b>27 15 13 00-0035 #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit</b> <small>(27 15 13 00-0002)</small>		
27 15 13 00-0036 MLF 1 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit ..... 1,121.62	1,121.62	561.86
<i>For Work In Restricted Working Space, Add</i> ..... 280.68	280.68	
27 15 13 00-0037 MLF 2 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit ..... 1,312.71	1,312.71	581.65
<i>For Work In Restricted Working Space, Add</i> ..... 290.83	290.83	
27 15 13 00-0038 MLF 3 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit ..... 1,481.52	1,481.52	601.45
<i>For Work In Restricted Working Space, Add</i> ..... 300.98	300.98	
27 15 13 00-0039 MLF 4 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit ..... 1,658.82	1,658.82	622.08
<i>For Work In Restricted Working Space, Add</i> ..... 311.12	311.12	
27 15 13 00-0040 MLF 5 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit ..... 1,863.92	1,863.92	664.15
<i>For Work In Restricted Working Space, Add</i> ..... 332.16	332.16	
27 15 13 00-0041 MLF 6 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit ..... 2,052.93	2,052.93	705.40
<i>For Work In Restricted Working Space, Add</i> ..... 352.95	352.95	
27 15 13 00-0042 MLF 8 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit ..... 2,238.85	2,238.85	789.56
<i>For Work In Restricted Working Space, Add</i> ..... 394.78	394.78	
27 15 13 00-0043 MLF 12 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit ..... 2,964.78	2,964.78	1,040.38
<i>For Work In Restricted Working Space, Add</i> ..... 520.27	520.27	
27 15 13 00-0044 MLF 24 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit ..... 4,407.57	4,407.57	1,537.05
<i>For Work In Restricted Working Space, Add</i> ..... 768.52	768.52	
<b>27 15 13 00-0045 #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit</b> <small>(27 15 13 00-0002)</small>		
27 15 13 00-0046 MLF 1 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit ..... 993.58	993.58	510.70
<i>For Work In Restricted Working Space, Add</i> ..... 255.19	255.19	
27 15 13 00-0047 MLF 2 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit ..... 1,145.73	1,145.73	528.85
<i>For Work In Restricted Working Space, Add</i> ..... 264.34	264.34	
27 15 13 00-0048 MLF 3 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit ..... 1,279.21	1,279.21	547.42
<i>For Work In Restricted Working Space, Add</i> ..... 273.50	273.50	
27 15 13 00-0049 MLF 4 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit ..... 1,419.50	1,419.50	565.98
<i>For Work In Restricted Working Space, Add</i> ..... 282.91	282.91	



<b>Communications</b>	<b>27</b>	<b>27</b>
<b>Structured Cabling</b>	<b>27 10</b>	
<b>Communications Horizontal Cabling</b>	<b>27 15</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0050 MLF 5 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,587.67 301.84	603.93
<i>For Work In Restricted Working Space, Add</i>		
27 15 13 00-0051 MLF 6 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,742.76 320.78	641.88
<i>For Work In Restricted Working Space, Add</i>		
27 15 13 00-0052 MLF 8 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,915.87 358.89	717.79
<i>For Work In Restricted Working Space, Add</i>		
27 15 13 00-0053 MLF 12 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,522.31 473.00	946.32
<i>For Work In Restricted Working Space, Add</i>		
27 15 13 00-0054 MLF 24 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,747.57 698.72	1,397.61
<i>For Work In Restricted Working Space, Add</i>		
27 15 13 00-0055 MLF 25 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,962.93 715.31	1,430.62
<i>For Work In Restricted Working Space, Add</i>		
27 15 13 00-0056 MLF 36 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	4,710.56 832.88	1,665.76
<i>For Work In Restricted Working Space, Add</i>		
27 15 13 00-0057 MLF 40 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	5,052.82 891.53	1,782.91
<i>For Work In Restricted Working Space, Add</i>		
27 15 13 00-0058 MLF 50 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	6,070.22 1,114.05	2,228.43
<i>For Work In Restricted Working Space, Add</i>		
27 15 13 00-0059 MLF 100 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	8,224.15 1,466.75	2,933.84
<i>For Work In Restricted Working Space, Add</i>		
<b>27 15 13 00-0060 #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit</b> <small>(27 15 13 00-0002)</small>		
27 15 13 00-0061 MLF 1 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	840.43 229.69	459.55
<i>For Work In Restricted Working Space, Add</i>		
27 15 13 00-0062 MLF 2 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	895.20 237.86	476.04
<i>For Work In Restricted Working Space, Add</i>		
27 15 13 00-0063 MLF 3 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	961.31 246.28	492.55
<i>For Work In Restricted Working Space, Add</i>		
27 15 13 00-0064 MLF 4 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,032.64 254.69	509.05
<i>For Work In Restricted Working Space, Add</i>		
27 15 13 00-0065 MLF 5 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,141.53 271.77	543.70
<i>For Work In Restricted Working Space, Add</i>		
27 15 13 00-0066 MLF 6 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,251.02 288.10	575.87
<i>For Work In Restricted Working Space, Add</i>		
<b>27 15 13 00-0067 Triad</b> <small>(27 15 13 00-0002)</small>		
27 15 13 00-0068 MLF 1 Triad #16 AWG, Stranded, Low Voltage, Installed In Conduit.....	2,760.05	683.96
27 15 13 00-0069 MLF 4 Triad #20 AWG, Stranded, Low Voltage, Installed In Conduit.....	3,525.57	946.32
27 15 13 00-0070 MLF 8 Triad #20 AWG, Stranded, Low Voltage, Installed In Conduit.....	5,611.46	1,397.61
27 15 13 00-0071 MLF 12 Triad #20 AWG, Stranded, Low Voltage, Installed In Conduit.....	7,084.39	1,665.76
27 15 13 00-0072 MLF 24 Triad #20 AWG, Stranded, Low Voltage, Installed In Conduit.....	11,788.86	2,580.72
27 15 13 00-0073 MLF 36 Triad #20 AWG, Stranded, Low Voltage, Installed In Conduit.....	13,607.99	2,933.84
<b>27 15 13 00-0074 Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed</b> <small>(27 15 13 00-0001)</small>		
<b>27 15 13 00-0075 #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed</b> <small>(27 15 13 00-0074)</small>		
27 15 13 00-0076 MLF 1 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	3,035.99 647.90 816.86	1,633.58
<i>For #10 AWG, Add</i>		
<i>For Work In Restricted Working Space, Add</i>		
27 15 13 00-0077 MLF 2 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	3,397.55 754.63 845.92	1,691.33
<i>For #10 AWG, Add</i>		
<i>For Work In Restricted Working Space, Add</i>		
27 15 13 00-0078 MLF 3 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	3,722.09 849.07 875.12	1,750.73
<i>For #10 AWG, Add</i>		
<i>For Work In Restricted Working Space, Add</i>		
27 15 13 00-0079 MLF 4 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	4,064.35 948.92 905.34	1,810.14
<i>For #10 AWG, Add</i>		
<i>For Work In Restricted Working Space, Add</i>		

**27 Communications****27 10 Structured Cabling****27 15 Communications Horizontal Cabling**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0080 MLF 5 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	4,495.09	1,932.24
For #10 AWG, Add	1,064.60	
For Work In Restricted Working Space, Add	966.41	
27 15 13 00-0081 MLF 6 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	4,897.27	2,052.70
For #10 AWG, Add	1,171.23	
For Work In Restricted Working Space, Add	1,026.62	
27 15 13 00-0082 MLF 8 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	5,380.94	2,296.91
For #10 AWG, Add	1,278.14	
For Work In Restricted Working Space, Add	1,148.24	
27 15 13 00-0083 MLF 12 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	7,116.82	3,027.89
For #10 AWG, Add	1,692.63	
For Work In Restricted Working Space, Add	1,513.65	
27 15 13 00-0084 MLF 24 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	10,557.89	4,471.71
For #10 AWG, Add	2,515.48	
For Work In Restricted Working Space, Add	2,235.28	
<b>27 15 13 00-0085 #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed (27 15 13 00-0074)</b>		
27 15 13 00-0086 MLF 1 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	2,680.26	1,428.97
For Work In Restricted Working Space, Add	714.32	
27 15 13 00-0087 MLF 2 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	3,018.97	1,480.12
For Work In Restricted Working Space, Add	740.06	
27 15 13 00-0088 MLF 3 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	3,321.86	1,531.27
For Work In Restricted Working Space, Add	765.80	
27 15 13 00-0089 MLF 4 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	3,640.07	1,584.08
For Work In Restricted Working Space, Add	792.04	
27 15 13 00-0090 MLF 5 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	4,035.35	1,691.33
For Work In Restricted Working Space, Add	845.50	
27 15 13 00-0091 MLF 6 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	4,402.76	1,796.93
For Work In Restricted Working Space, Add	897.97	
27 15 13 00-0092 MLF 8 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	4,833.96	2,009.79
For Work In Restricted Working Space, Add	1,004.90	
27 15 13 00-0093 MLF 12 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	6,393.02	2,648.38
For Work In Restricted Working Space, Add	1,324.19	
27 15 13 00-0094 MLF 24 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	9,489.71	3,912.34
For Work In Restricted Working Space, Add	1,956.33	
<b>27 15 13 00-0095 #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed (27 15 13 00-0074)</b>		
27 15 13 00-0096 MLF 1 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	2,390.41	1,275.51
For Work In Restricted Working Space, Add	638.09	
27 15 13 00-0097 MLF 2 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	2,625.61	1,321.72
For Work In Restricted Working Space, Add	660.86	
27 15 13 00-0098 MLF 3 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	2,956.11	1,367.91
For Work In Restricted Working Space, Add	683.63	
27 15 13 00-0099 MLF 4 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	3,238.50	1,414.12
For Work In Restricted Working Space, Add	707.39	
27 15 13 00-0100 MLF 5 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	3,588.07	1,509.82
For Work In Restricted Working Space, Add	754.91	
27 15 13 00-0101 MLF 6 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	3,914.34	1,603.88
For Work In Restricted Working Space, Add	801.94	
27 15 13 00-0102 MLF 7 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	4,105.68	1,699.58
For Work In Restricted Working Space, Add	849.46	
27 15 13 00-0103 MLF 8 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	4,298.66	1,795.29
For Work In Restricted Working Space, Add	897.48	
27 15 13 00-0104 MLF 9 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	4,706.27	1,909.14
For Work In Restricted Working Space, Add	954.41	





<b>Communications</b>	<b>27</b>	<b>27</b>
<b>Structured Cabling</b>	<b>27 10</b>	
<b>Communications Horizontal Cabling</b>	<b>27 15</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0105 MLF 12 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed ..... 5,683.98	5,683.98	2,364.56
<i>For Work In Restricted Working Space, Add</i> ..... 1,182.36	1,182.36	
27 15 13 00-0106 MLF 24 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed ..... 8,436.45	8,436.45	3,493.22
<i>For Work In Restricted Working Space, Add</i> ..... 1,746.69	1,746.69	
<b>27 15 13 00-0107 #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed (27 15 13 00-0074)</b>		
27 15 13 00-0108 MLF 1 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed ..... 2,057.22	2,057.22	1,123.70
<i>For Work In Restricted Working Space, Add</i> ..... 561.36	561.36	
27 15 13 00-0109 MLF 2 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed ..... 2,282.13	2,282.13	1,163.31
<i>For Work In Restricted Working Space, Add</i> ..... 581.65	581.65	
27 15 13 00-0110 MLF 3 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed ..... 2,484.77	2,484.77	1,202.91
<i>For Work In Restricted Working Space, Add</i> ..... 601.95	601.95	
27 15 13 00-0111 MLF 4 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed ..... 2,695.89	2,695.89	1,244.16
<i>For Work In Restricted Working Space, Add</i> ..... 622.25	622.25	
27 15 13 00-0112 MLF 5 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed ..... 2,971.13	2,971.13	1,328.31
<i>For Work In Restricted Working Space, Add</i> ..... 664.32	664.32	
27 15 13 00-0113 MLF 6 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed ..... 3,229.43	3,229.43	1,410.82
<i>For Work In Restricted Working Space, Add</i> ..... 705.90	705.90	
27 15 13 00-0114 MLF 8 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed ..... 3,554.78	3,554.78	1,579.12
<i>For Work In Restricted Working Space, Add</i> ..... 789.56	789.56	
27 15 13 00-0115 MLF 12 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed ..... 4,699.01	4,699.01	2,080.75
<i>For Work In Restricted Working Space, Add</i> ..... 1,040.54	1,040.54	
27 15 13 00-0116 MLF 24 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed ..... 6,969.30	6,969.30	3,074.10
<i>For Work In Restricted Working Space, Add</i> ..... 1,537.04	1,537.04	
<b>27 15 13 00-0117 #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed (27 15 13 00-0074)</b>		
27 15 13 00-0118 MLF 1 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed ..... 1,844.19	1,844.19	1,021.40
<i>For Work In Restricted Working Space, Add</i> ..... 510.37	510.37	
27 15 13 00-0119 MLF 2 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed ..... 2,026.88	2,026.88	1,057.70
<i>For Work In Restricted Working Space, Add</i> ..... 528.69	528.69	
27 15 13 00-0120 MLF 3 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed ..... 2,190.88	2,190.88	1,094.82
<i>For Work In Restricted Working Space, Add</i> ..... 547.00	547.00	
27 15 13 00-0121 MLF 4 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed ..... 2,362.52	2,362.52	1,131.95
<i>For Work In Restricted Working Space, Add</i> ..... 565.81	565.81	
27 15 13 00-0122 MLF 5 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed ..... 2,593.80	2,593.80	1,207.86
<i>For Work In Restricted Working Space, Add</i> ..... 603.68	603.68	
27 15 13 00-0123 MLF 6 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed ..... 2,812.01	2,812.01	1,283.76
<i>For Work In Restricted Working Space, Add</i> ..... 641.55	641.55	
27 15 13 00-0124 MLF 8 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed ..... 3,112.18	3,112.18	1,435.56
<i>For Work In Restricted Working Space, Add</i> ..... 717.79	717.79	
27 15 13 00-0125 MLF 12 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed ..... 4,098.96	4,098.96	1,892.64
<i>For Work In Restricted Working Space, Add</i> ..... 945.99	945.99	
27 15 13 00-0126 MLF 24 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed ..... 6,076.65	6,076.65	2,795.23
<i>For Work In Restricted Working Space, Add</i> ..... 1,397.45	1,397.45	
27 15 13 00-0127 MLF 25 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed ..... 6,347.27	6,347.27	2,861.23
<i>For Work In Restricted Working Space, Add</i> ..... 1,430.61	1,430.61	
27 15 13 00-0128 MLF 36 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed ..... 7,486.83	7,486.83	3,331.51
<i>For Work In Restricted Working Space, Add</i> ..... 1,665.76	1,665.76	
27 15 13 00-0129 MLF 40 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed ..... 8,024.60	8,024.60	3,565.81
<i>For Work In Restricted Working Space, Add</i> ..... 1,783.07	1,783.07	
27 15 13 00-0130 MLF 50 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed ..... 9,783.70	9,783.70	4,456.86
<i>For Work In Restricted Working Space, Add</i> ..... 2,228.09	2,228.09	
27 15 13 00-0131 MLF 100 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed ..... 13,113.29	13,113.29	5,867.68
<i>For Work In Restricted Working Space, Add</i> ..... 2,933.49	2,933.49	

**27 Communications****27 10 Structured Cabling****27 15 Communications Horizontal Cabling**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0132		<b>#22 AWG, Shielded, Low Voltage Cable, Installed Exposed</b> <small>(27 15 13 00-0074)</small>		
27 15 13 00-0133	MLF	1 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	1,606.06	919.09
		<i>For Work In Restricted Working Space, Add</i> .....	459.38	
27 15 13 00-0134	MLF	2 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	1,688.07	952.10
		<i>For Work In Restricted Working Space, Add</i> .....	475.72	
27 15 13 00-0135	MLF	3 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	1,782.22	985.10
		<i>For Work In Restricted Working Space, Add</i> .....	492.55	
27 15 13 00-0136	MLF	4 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	1,881.61	1,018.10
		<i>For Work In Restricted Working Space, Add</i> .....	509.38	
27 15 13 00-0137	MLF	5 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	2,047.43	1,087.40
		<i>For Work In Restricted Working Space, Add</i> .....	543.54	
27 15 13 00-0138	MLF	6 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	2,211.37	1,151.76
		<i>For Work In Restricted Working Space, Add</i> .....	576.21	
27 15 13 00-0139		<b>Triad, Installed Exposed</b> <small>(27 15 13 00-0074)</small>		
27 15 13 00-0140	MLF	1 Triad, #16 AWG, Stranded, Low Voltage Copper Communication Cable, Installed Exposed.....	2,760.05	683.96
27 15 13 00-0141	MLF	4 Triad, #20 AWG, Stranded, Low Voltage Copper Communication Cable, Installed Exposed.....	3,525.57	946.32
27 15 13 00-0142	MLF	8 Triad, #20 AWG, Stranded, Low Voltage Copper Communication Cable, Installed Exposed.....	5,611.46	1,397.61
27 15 13 00-0143	MLF	12 Triad, #20 AWG, Stranded, Low Voltage Copper Communication Cable, Installed Exposed.....	7,084.39	1,665.76
27 15 13 00-0144	MLF	24 Triad, #20 AWG, Stranded, Low Voltage Copper Communication Cable, Installed Exposed.....	11,788.86	2,580.72
27 15 13 00-0145	MLF	36 Triad, #20 AWG, Stranded, Low Voltage Copper Communication Cable, Installed Exposed.....	13,607.99	2,933.84
27 15 13 00-0146		<b>Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit</b> <small>(27 15 13 00-0001)</small>		
27 15 13 00-0147		<b>#14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit</b> <small>(27 15 13 00-0146)</small>		
27 15 13 00-0148	MLF	1 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,404.66	714.49
		<i>For Work In Restricted Working Space, Add</i> .....	357.16	
27 15 13 00-0149	MLF	2 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,628.57	740.06
		<i>For Work In Restricted Working Space, Add</i> .....	370.03	
27 15 13 00-0150	MLF	3 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,826.85	765.64
		<i>For Work In Restricted Working Space, Add</i> .....	382.90	
27 15 13 00-0151	MLF	4 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,035.72	792.04
		<i>For Work In Restricted Working Space, Add</i> .....	396.02	
27 15 13 00-0152	MLF	5 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,278.55	844.84
		<i>For Work In Restricted Working Space, Add</i> .....	422.26	
27 15 13 00-0153	MLF	6 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,504.60	897.64
		<i>For Work In Restricted Working Space, Add</i> .....	448.74	
27 15 13 00-0154	MLF	8 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,737.15	1,004.90
		<i>For Work In Restricted Working Space, Add</i> .....	502.45	
27 15 13 00-0155	MLF	12 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,623.40	1,324.18
		<i>For Work In Restricted Working Space, Add</i> .....	662.09	
27 15 13 00-0156	MLF	24 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	5,385.20	1,956.17
		<i>For Work In Restricted Working Space, Add</i> .....	978.17	
27 15 13 00-0157		<b>#16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit</b> <small>(27 15 13 00-0146)</small>		
27 15 13 00-0158	MLF	1 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,252.03	637.75
		<i>For Work In Restricted Working Space, Add</i> .....	319.04	
27 15 13 00-0159	MLF	2 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,449.38	660.85
		<i>For Work In Restricted Working Space, Add</i> .....	330.43	
27 15 13 00-0160	MLF	3 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,624.15	683.96
		<i>For Work In Restricted Working Space, Add</i> .....	341.81	
27 15 13 00-0161	MLF	4 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,809.19	707.06
		<i>For Work In Restricted Working Space, Add</i> .....	353.69	
27 15 13 00-0162	MLF	5 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,024.39	754.09
		<i>For Work In Restricted Working Space, Add</i> .....	377.21	



<b>Communications</b>	<b>27</b>	<b>27</b>
<b>Structured Cabling</b>	<b>27 10</b>	
<b>Communications Horizontal Cabling</b>	<b>27 15</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0163 MLF 6 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,224.92	801.93
<i>For Work In Restricted Working Space, Add</i>	400.97	
27 15 13 00-0164 MLF 7 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,327.69	849.79
<i>For Work In Restricted Working Space, Add</i>	424.73	
27 15 13 00-0165 MLF 8 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,491.74	897.64
<i>For Work In Restricted Working Space, Add</i>	448.74	
27 15 13 00-0166 MLF 9 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,752.53	954.57
<i>For Work In Restricted Working Space, Add</i>	477.18	
27 15 13 00-0167 MLF 12 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,217.92	1,182.28
<i>For Work In Restricted Working Space, Add</i>	591.18	
27 15 13 00-0168 MLF 24 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	4,782.51	1,746.60
<i>For Work In Restricted Working Space, Add</i>	873.47	
<b>27 15 13 00-0169 #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit</b> <small>(27 15 13 00-0146)</small>		
27 15 13 00-0170 MLF 1 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,092.96	561.02
<i>For Work In Restricted Working Space, Add</i>	280.68	
27 15 13 00-0171 MLF 2 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,251.61	581.65
<i>For Work In Restricted Working Space, Add</i>	290.83	
27 15 13 00-0172 MLF 3 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,350.55	602.28
<i>For Work In Restricted Working Space, Add</i>	300.98	
27 15 13 00-0173 MLF 4 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,482.07	622.08
<i>For Work In Restricted Working Space, Add</i>	311.12	
27 15 13 00-0174 MLF 5 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,639.01	664.15
<i>For Work In Restricted Working Space, Add</i>	332.16	
27 15 13 00-0175 MLF 6 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,795.15	706.24
<i>For Work In Restricted Working Space, Add</i>	352.95	
27 15 13 00-0176 MLF 8 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,162.50	789.56
<i>For Work In Restricted Working Space, Add</i>	394.78	
27 15 13 00-0177 MLF 12 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,808.07	1,040.38
<i>For Work In Restricted Working Space, Add</i>	520.27	
27 15 13 00-0178 MLF 24 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,734.60	1,537.05
<i>For Work In Restricted Working Space, Add</i>	768.52	
<b>27 15 13 00-0179 #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit</b> <small>(27 15 13 00-0146)</small>		
27 15 13 00-0180 MLF 1 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	961.71	510.70
<i>For Work In Restricted Working Space, Add</i>	255.19	
27 15 13 00-0181 MLF 2 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,070.51	528.85
<i>For Work In Restricted Working Space, Add</i>	264.34	
27 15 13 00-0182 MLF 3 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,266.30	602.28
<i>For Work In Restricted Working Space, Add</i>	300.98	
27 15 13 00-0183 MLF 4 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,396.25	633.14
<i>For Work In Restricted Working Space, Add</i>	316.57	
27 15 13 00-0184 MLF 5 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,523.40	664.15
<i>For Work In Restricted Working Space, Add</i>	332.16	
27 15 13 00-0185 MLF 6 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,658.54	706.24
<i>For Work In Restricted Working Space, Add</i>	352.95	
27 15 13 00-0186 MLF 8 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,825.16	785.93
<i>For Work In Restricted Working Space, Add</i>	393.05	
27 15 13 00-0187 MLF 12 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,253.46	946.32
<i>For Work In Restricted Working Space, Add</i>	473.00	
27 15 13 00-0188 MLF 24 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,344.30	1,397.61
<i>For Work In Restricted Working Space, Add</i>	698.72	
27 15 13 00-0189 MLF 25 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,514.15	1,430.62
<i>For Work In Restricted Working Space, Add</i>	715.31	

**27 Communications****27 10 Structured Cabling****27 15 Communications Horizontal Cabling**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0190 MLF 36 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	4,160.65	1,665.76
<i>For Work In Restricted Working Space, Add</i>	832.88	
27 15 13 00-0191 MLF 40 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	4,461.19	1,782.91
<i>For Work In Restricted Working Space, Add</i>	891.53	
27 15 13 00-0192 MLF 50 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	5,400.22	2,228.43
<i>For Work In Restricted Working Space, Add</i>	1,114.05	
27 15 13 00-0193 MLF 100 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	7,276.03	2,933.84
<i>For Work In Restricted Working Space, Add</i>	1,466.75	
<b>27 15 13 00-0194 #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit (27 15 13 00-0146)</b>		
27 15 13 00-0195 MLF 1 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	839.29	459.55
<i>For Work In Restricted Working Space, Add</i>	229.69	
27 15 13 00-0196 MLF 2 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	893.64	476.04
<i>For Work In Restricted Working Space, Add</i>	237.86	
27 15 13 00-0197 MLF 3 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	964.22	492.55
<i>For Work In Restricted Working Space, Add</i>	246.28	
27 15 13 00-0198 MLF 4 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,041.07	509.05
<i>For Work In Restricted Working Space, Add</i>	254.69	
27 15 13 00-0199 MLF 5 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,143.67	543.70
<i>For Work In Restricted Working Space, Add</i>	271.77	
27 15 13 00-0200 MLF 6 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,253.66	575.87
<i>For Work In Restricted Working Space, Add</i>	288.10	
<b>27 15 13 00-0201 Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed (27 15 13 00-0001)</b>		
<b>27 15 13 00-0202 #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed (27 15 13 00-0201)</b>		
27 15 13 00-0203 MLF 1 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed .....	2,595.20	1,428.97
<i>For Work In Restricted Working Space, Add</i>	714.32	
27 15 13 00-0204 MLF 2 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed .....	2,862.01	1,480.12
<i>For Work In Restricted Working Space, Add</i>	740.06	
27 15 13 00-0205 MLF 3 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed .....	3,103.19	1,531.27
<i>For Work In Restricted Working Space, Add</i>	765.80	
27 15 13 00-0206 MLF 4 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed .....	3,355.79	1,584.08
<i>For Work In Restricted Working Space, Add</i>	792.04	
27 15 13 00-0207 MLF 5 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed .....	3,686.07	1,689.68
<i>For Work In Restricted Working Space, Add</i>	844.51	
27 15 13 00-0208 MLF 6 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed .....	4,000.39	1,795.29
<i>For Work In Restricted Working Space, Add</i>	897.48	
27 15 13 00-0209 MLF 8 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed .....	4,411.98	2,009.79
<i>For Work In Restricted Working Space, Add</i>	1,004.90	
27 15 13 00-0210 MLF 12 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed .....	5,830.38	2,648.38
<i>For Work In Restricted Working Space, Add</i>	1,324.19	
27 15 13 00-0211 MLF 24 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed .....	8,645.76	3,912.34
<i>For Work In Restricted Working Space, Add</i>	1,956.33	
<b>27 15 13 00-0212 #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed (27 15 13 00-0201)</b>		
27 15 13 00-0213 MLF 1 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed .....	2,315.51	1,275.51
<i>For Work In Restricted Working Space, Add</i>	638.09	
27 15 13 00-0214 MLF 2 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed .....	2,550.81	1,321.72
<i>For Work In Restricted Working Space, Add</i>	660.86	
27 15 13 00-0215 MLF 3 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed .....	2,763.54	1,367.91
<i>For Work In Restricted Working Space, Add</i>	683.63	



<b>Communications</b>	<b>27</b>	<b>27</b>
<b>Structured Cabling</b>	<b>27 10</b>	
<b>Communications Horizontal Cabling</b>	<b>27 15</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0216 MLF 4 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed ..... <i>For Work In Restricted Working Space, Add</i>	2,988.17 707.39	1,414.12
27 15 13 00-0217 MLF 5 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed ..... <i>For Work In Restricted Working Space, Add</i>	3,281.75 754.42	1,508.17
27 15 13 00-0218 MLF 6 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed ..... <i>For Work In Restricted Working Space, Add</i>	3,561.47 801.94	1,603.88
27 15 13 00-0219 MLF 7 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed ..... <i>For Work In Restricted Working Space, Add</i>	3,743.45 849.46	1,699.58
27 15 13 00-0220 MLF 8 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed ..... <i>For Work In Restricted Working Space, Add</i>	3,987.54 897.48	1,795.29
27 15 13 00-0221 MLF 9 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed ..... <i>For Work In Restricted Working Space, Add</i>	4,343.12 954.35	1,909.14
27 15 13 00-0222 MLF 12 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed ..... <i>For Work In Restricted Working Space, Add</i>	5,188.52 1,182.36	2,364.56
27 15 13 00-0223 MLF 24 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed ..... <i>For Work In Restricted Working Space, Add</i>	7,694.07 1,746.93	3,493.22
<b>27 15 13 00-0224 #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed (27 15 13 00-0201)</b>		
27 15 13 00-0225 MLF 1 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed ..... <i>For Work In Restricted Working Space, Add</i>	2,028.56 561.36	1,122.05
27 15 13 00-0226 MLF 2 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed ..... <i>For Work In Restricted Working Space, Add</i>	2,221.03 581.65	1,163.31
27 15 13 00-0227 MLF 3 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed ..... <i>For Work In Restricted Working Space, Add</i>	2,353.80 601.95	1,204.56
27 15 13 00-0228 MLF 4 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed ..... <i>For Work In Restricted Working Space, Add</i>	2,519.14 622.25	1,244.16
27 15 13 00-0229 MLF 5 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed ..... <i>For Work In Restricted Working Space, Add</i>	2,746.22 664.32	1,328.31
27 15 13 00-0230 MLF 6 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed ..... <i>For Work In Restricted Working Space, Add</i>	2,971.65 705.90	1,412.46
27 15 13 00-0231 MLF 8 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed ..... <i>For Work In Restricted Working Space, Add</i>	3,478.43 789.56	1,579.12
27 15 13 00-0232 MLF 12 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed ..... <i>For Work In Restricted Working Space, Add</i>	4,542.30 1,040.54	2,080.75
27 15 13 00-0233 MLF 24 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed ..... <i>For Work In Restricted Working Space, Add</i>	6,296.33 1,537.04	3,074.10
<b>27 15 13 00-0234 #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed (27 15 13 00-0201)</b>		
27 15 13 00-0235 MLF 1 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed ..... <i>For Work In Restricted Working Space, Add</i>	1,812.32 510.37	1,021.40
27 15 13 00-0236 MLF 2 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed ..... <i>For Work In Restricted Working Space, Add</i>	1,951.66 528.69	1,057.70
27 15 13 00-0237 MLF 3 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed ..... <i>For Work In Restricted Working Space, Add</i>	2,269.55 601.95	1,204.56
27 15 13 00-0238 MLF 4 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed ..... <i>For Work In Restricted Working Space, Add</i>	2,451.47 633.14	1,266.27
27 15 13 00-0239 MLF 5 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed ..... <i>For Work In Restricted Working Space, Add</i>	2,630.61 664.32	1,328.31
27 15 13 00-0240 MLF 6 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed ..... <i>For Work In Restricted Working Space, Add</i>	2,835.04 705.90	1,412.46
27 15 13 00-0241 MLF 8 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed ..... <i>For Work In Restricted Working Space, Add</i>	3,135.31 786.10	1,571.87
27 15 13 00-0242 MLF 12 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed ..... <i>For Work In Restricted Working Space, Add</i>	3,830.11 945.99	1,892.64

**27 Communications****27 10 Structured Cabling****27 15 Communications Horizontal Cabling**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0243 MLF 24 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed .....	5,673.38	2,795.23
<i>For Work In Restricted Working Space, Add</i> .....	1,397.45	
27 15 13 00-0244 MLF 25 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed .....	5,898.49	2,861.23
<i>For Work In Restricted Working Space, Add</i> .....	1,430.61	
27 15 13 00-0245 MLF 36 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed .....	6,936.92	3,331.51
<i>For Work In Restricted Working Space, Add</i> .....	1,665.76	
27 15 13 00-0246 MLF 40 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed .....	7,432.97	3,565.81
<i>For Work In Restricted Working Space, Add</i> .....	1,783.07	
27 15 13 00-0247 MLF 50 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed .....	9,113.70	4,456.86
<i>For Work In Restricted Working Space, Add</i> .....	2,228.09	
27 15 13 00-0248 MLF 100 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed .....	12,165.17	5,867.68
<i>For Work In Restricted Working Space, Add</i> .....	2,933.49	
<b>27 15 13 00-0249 #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed</b> <small>(27 15 13 00-0201)</small>		
27 15 13 00-0250 MLF 1 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed .....	1,604.92	919.09
<i>For Work In Restricted Working Space, Add</i> .....	459.38	
27 15 13 00-0251 MLF 2 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed .....	1,686.51	952.10
<i>For Work In Restricted Working Space, Add</i> .....	475.72	
27 15 13 00-0252 MLF 3 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed .....	1,785.13	985.10
<i>For Work In Restricted Working Space, Add</i> .....	492.55	
27 15 13 00-0253 MLF 4 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed .....	1,890.04	1,018.10
<i>For Work In Restricted Working Space, Add</i> .....	509.38	
27 15 13 00-0254 MLF 5 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed .....	2,049.57	1,087.40
<i>For Work In Restricted Working Space, Add</i> .....	543.54	
27 15 13 00-0255 MLF 6 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed .....	2,214.01	1,151.76
<i>For Work In Restricted Working Space, Add</i> .....	576.21	
<b>27 15 13 00-0256 Solid, Shielded, Low Voltage, Alarm And Communications Cable, Buried In Trench</b> <small>(27 15 13 00-0001)</small>		
Note: Excludes excavation.		
27 15 13 00-0257 MLF 1 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Buried In Trench .....	1,462.80	
27 15 13 00-0258 MLF 2 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Buried In Trench .....	1,755.80	
27 15 13 00-0259 MLF 3 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Buried In Trench .....	2,014.77	
27 15 13 00-0260 MLF 4 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Buried In Trench .....	2,288.73	
27 15 13 00-0261 MLF 5 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Buried In Trench .....	2,592.52	
27 15 13 00-0262 MLF 6 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Buried In Trench .....	2,870.92	
<b>27 15 13 00-0263 Solid, Shielded, Low Voltage, Alarm And Communications Cable, Installed On Poles (Aerial)</b> <small>(27 15 13 00-0001)</small>		
27 15 13 00-0264 MLF 1 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Installed On Poles (Aerial) .....	1,544.26	465.79
27 15 13 00-0265 MLF 2 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Installed On Poles (Aerial) .....	1,886.10	499.03
27 15 13 00-0266 MLF 3 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Installed On Poles (Aerial) .....	2,455.51	630.87
27 15 13 00-0267 MLF 4 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Installed On Poles (Aerial) .....	2,950.44	729.68
27 15 13 00-0268 MLF 5 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Installed On Poles (Aerial) .....	10,024.60	831.68
27 15 13 00-0269 MLF 6 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Installed On Poles (Aerial) .....	11,875.69	1,062.53
<b>27 15 13 00-0270 Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit</b> <small>(27 15 13 00-0001)</small>		
27 15 13 00-0271 MLF 1 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit .....	1,303.57	637.75
27 15 13 00-0272 MLF 2 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit .....	1,666.96	660.85
27 15 13 00-0273 MLF 3 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit .....	1,917.56	683.96
27 15 13 00-0274 MLF 4 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit .....	2,042.00	707.06
27 15 13 00-0275 MLF 5 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit .....	2,530.65	754.09
27 15 13 00-0276 MLF 6 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit .....	2,750.43	801.93
27 15 13 00-0277 MLF 8 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit .....	3,531.74	897.64
27 15 13 00-0278 MLF 12 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit .....	4,330.77	1,182.28



<b>Communications</b>	<b>27</b>
<b>Structured Cabling</b>	<b>27 10</b>
<b>Communications Horizontal Cabling</b>	<b>27 15</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0279 MLF 24 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	6,615.85	1,746.60
27 15 13 00-0280 MLF 1 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,117.37	561.02
27 15 13 00-0281 MLF 2 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,414.74	581.65
27 15 13 00-0282 MLF 3 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,657.82	602.28
27 15 13 00-0283 MLF 4 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,769.69	622.08
27 15 13 00-0284 MLF 5 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,185.88	664.15
27 15 13 00-0285 MLF 6 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,488.47	706.24
27 15 13 00-0286 MLF 8 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,817.36	789.56
27 15 13 00-0287 MLF 12 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,623.23	1,040.38
27 15 13 00-0288 MLF 24 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	5,894.05	1,537.05
27 15 13 00-0289 MLF 1 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	975.04	510.70
27 15 13 00-0290 MLF 2 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,159.39	528.85
27 15 13 00-0291 MLF 3 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,337.58	547.00
27 15 13 00-0292 MLF 4 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,444.09	565.98
27 15 13 00-0293 MLF 5 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,582.78	603.93
27 15 13 00-0294 MLF 6 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,743.23	641.88
27 15 13 00-0295 MLF 8 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,953.01	717.79
27 15 13 00-0296 MLF 12 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,730.36	946.32
27 15 13 00-0297 MLF 24 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	4,182.34	1,397.61
27 15 13 00-0298 MLF 25 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	4,446.62	1,430.62
27 15 13 00-0299 MLF 36 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	5,279.52	1,665.76
27 15 13 00-0300 MLF 40 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	5,690.69	1,782.91
27 15 13 00-0301 MLF 50 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	6,792.58	2,228.43
27 15 13 00-0302 MLF 100 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	9,246.36	2,933.84
27 15 13 00-0303 MLF 250 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	18,137.34	5,404.00
27 15 13 00-0304 MLF 500 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	28,169.36	7,151.44
27 15 13 00-0305 MLF 750 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	38,185.34	9,011.90
27 15 13 00-0306 MLF 1200 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	54,049.98	12,361.56
27 15 13 00-0307 MLF 1 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	930.21	510.70
27 15 13 00-0308 MLF 2 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,059.12	528.85
27 15 13 00-0309 MLF 3 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,184.12	547.00
27 15 13 00-0310 MLF 4 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,263.54	565.98
27 15 13 00-0311 MLF 5 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,375.16	603.93
27 15 13 00-0312 MLF 6 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,500.38	641.88
27 15 13 00-0313 MLF 8 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,680.35	717.79
27 15 13 00-0314 MLF 12 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,314.65	946.32
27 15 13 00-0315 MLF 24 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,514.57	1,397.61
27 15 13 00-0316 MLF 25 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,703.54	1,430.62
27 15 13 00-0317 MLF 36 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	4,392.84	1,665.76
27 15 13 00-0318 MLF 40 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	4,711.00	1,782.91
27 15 13 00-0319 MLF 50 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	5,683.11	2,228.43
27 15 13 00-0320 MLF 100 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	7,676.36	2,933.84

**27 Communications****27 10 Structured Cabling****27 15 Communications Horizontal Cabling**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0321 MLF 250 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	14,814.81	5,404.00
27 15 13 00-0322 MLF 500 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	22,303.37	7,151.44
27 15 13 00-0323 MLF 750 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	29,824.03	9,011.90
27 15 13 00-0324 MLF 1200 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	41,978.88	12,361.56
<b>27 15 13 00-0325 Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit (27 15 13 00-0001)</b>		
27 15 13 00-0326 MLF 1 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,322.41	637.75
27 15 13 00-0327 MLF 2 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,565.73	660.85
27 15 13 00-0328 MLF 3 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,710.83	683.96
27 15 13 00-0329 MLF 4 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,910.35	707.06
27 15 13 00-0330 MLF 5 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,133.23	754.09
27 15 13 00-0331 MLF 6 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,354.49	801.93
27 15 13 00-0332 MLF 8 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,888.73	897.64
27 15 13 00-0333 MLF 12 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,738.99	1,182.28
27 15 13 00-0334 MLF 24 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	5,590.29	1,746.60
27 15 13 00-0335 MLF 1 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,155.70	561.02
27 15 13 00-0336 MLF 2 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,364.09	581.65
27 15 13 00-0337 MLF 3 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,488.99	602.28
27 15 13 00-0338 MLF 4 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,659.45	622.08
27 15 13 00-0339 MLF 5 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,851.00	664.15
27 15 13 00-0340 MLF 6 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,041.75	706.24
27 15 13 00-0341 MLF 8 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,499.94	789.56
27 15 13 00-0342 MLF 12 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,237.01	1,040.38
27 15 13 00-0343 MLF 24 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	4,838.67	1,537.05
27 15 13 00-0344 MLF 1 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,005.99	510.70
27 15 13 00-0345 MLF 2 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,184.73	528.85
27 15 13 00-0346 MLF 3 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,306.34	547.00
27 15 13 00-0347 MLF 4 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,536.61	565.98
27 15 13 00-0348 MLF 5 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,724.45	603.93
27 15 13 00-0349 MLF 6 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,109.31	641.88
27 15 13 00-0350 MLF 8 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,357.10	717.79
27 15 13 00-0351 MLF 12 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,951.73	946.32
27 15 13 00-0352 MLF 24 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	4,472.07	1,397.61
27 15 13 00-0353 MLF 25 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	4,767.77	1,430.62
27 15 13 00-0354 MLF 36 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	5,697.00	1,665.76
27 15 13 00-0355 MLF 40 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	6,114.09	1,782.91
27 15 13 00-0356 MLF 50 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	7,272.07	2,228.43
27 15 13 00-0357 MLF 100 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	9,924.89	2,933.84
27 15 13 00-0358 MLF 250 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	19,574.12	5,404.00
27 15 13 00-0359 MLF 500 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	30,705.62	7,151.44
27 15 13 00-0360 MLF 750 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	41,800.05	9,011.90
27 15 13 00-0361 MLF 1200 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	59,268.37	12,360.73





<b>Communications</b>	<b>27</b>
<b>Structured Cabling</b>	<b>27 10</b>
<b>Communications Horizontal Cabling</b>	<b>27 15</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0362 MLF 1 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	950.00	510.70
27 15 13 00-0363 MLF 2 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,075.34	528.85
27 15 13 00-0364 MLF 3 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,164.14	547.00
27 15 13 00-0365 MLF 4 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,322.73	565.98
27 15 13 00-0366 MLF 5 Pair #22 AWG, Solid, Low Voltage, Plenum Rated, Non-Shielded, Installed In Conduit.....	1,465.78	603.93
27 15 13 00-0367 MLF 6 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,734.56	641.88
27 15 13 00-0368 MLF 8 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,938.85	717.79
27 15 13 00-0369 MLF 12 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,456.26	946.32
27 15 13 00-0370 MLF 24 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,699.90	1,397.61
27 15 13 00-0371 MLF 25 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,908.97	1,430.62
27 15 13 00-0372 MLF 36 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	4,644.58	1,665.76
27 15 13 00-0373 MLF 40 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	4,981.85	1,782.91
27 15 13 00-0374 MLF 50 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	5,989.83	2,228.43
27 15 13 00-0375 MLF 100 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	8,110.40	2,933.84
27 15 13 00-0376 MLF 250 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	15,733.83	5,404.00
27 15 13 00-0377 MLF 500 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	23,925.86	7,151.44
27 15 13 00-0378 MLF 750 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	32,136.91	9,011.90
27 15 13 00-0379 MLF 1200 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	45,318.13	12,361.56
<b>27 15 13 00-0380 Copper Telecommunications Cable</b> <small>(27 15 13)</small>		
<b>27 15 13 00-0381 Indoor Telecommunications Cable</b> <small>(27 15 13 00-0380)</small>		
Note: Shielded twisted pair cables (STP) includes a metallic foil wrap. Un-shielded twisted pair cables (UTP) excludes any shielding.		
<b>27 15 13 00-0382 Category 3, Indoor Telecommunications Cable</b> <small>(27 15 13 00-0381)</small>		
Note: Un-shielded twisted pair cables (UTP).		
<b>27 15 13 00-0383 Category 3, Indoor Telecommunications Riser Cable</b> <small>(27 15 13 00-0382)</small>		
<b>27 15 13 00-0384 24 AWG, Category 3, Indoor Telecommunications Riser Cable</b> <small>(27 15 13 00-0383)</small>		
<b>27 15 13 00-0385 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit</b> <small>(27 15 13 00-0384)</small>		
27 15 13 00-0386 MLF 2-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit.....	739.10	379.36
27 15 13 00-0387 MLF 3-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit.....	784.69	379.36
27 15 13 00-0388 MLF 4-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit.....	800.80	379.36
27 15 13 00-0389 MLF 6-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit.....	981.84	433.56
27 15 13 00-0390 MLF 12-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit.....	1,317.45	433.56
27 15 13 00-0391 MLF 25-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit.....	1,850.35	433.56
27 15 13 00-0392 MLF 50-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit.....	3,038.55	541.94
27 15 13 00-0393 MLF 100-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit.....	5,562.14	867.11
27 15 13 00-0394 MLF 150-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit.....	7,648.84	975.49
27 15 13 00-0395 MLF 200-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit.....	10,288.26	1,083.89
27 15 13 00-0396 MLF 300-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit.....	15,088.14	1,517.44
27 15 13 00-0397 MLF 400-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit.....	19,843.38	1,875.12
27 15 13 00-0398 MLF 600-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit.....	31,662.89	2,601.33
27 15 13 00-0399 MLF 900-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit.....	50,850.21	5,202.64
27 15 13 00-0400 MLF 1,200-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit.....	68,700.84	7,803.97
<b>27 15 13 00-0401 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed</b> <small>(27 15 13 00-0384)</small>		
27 15 13 00-0402 MLF 2-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed.....	1,371.36	758.72
<i>For Work In Restricted Working Space, Add</i>		
	379.36	
27 15 13 00-0403 MLF 3-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed.....	1,416.95	758.72
<i>For Work In Restricted Working Space, Add</i>		
	379.36	
27 15 13 00-0404 MLF 4-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed.....	1,433.06	758.72
<i>For Work In Restricted Working Space, Add</i>		
	379.36	
27 15 13 00-0405 MLF 6-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed.....	1,523.78	758.72
<i>For Work In Restricted Working Space, Add</i>		
	379.36	
27 15 13 00-0406 MLF 12-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed.....	1,859.39	758.72
<i>For Work In Restricted Working Space, Add</i>		
	379.36	
27 15 13 00-0407 MLF 25-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed.....	2,572.94	867.11
<i>For Work In Restricted Working Space, Add</i>		
	433.55	

**27 Communications****27 10 Structured Cabling****27 15 Communications Horizontal Cabling**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0408 MLF 50-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	3,941.79 541.94	1,083.89
27 15 13 00-0409 MLF 100-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	6,284.73 650.33	1,300.66
27 15 13 00-0410 MLF 150-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	8,461.76 731.62	1,463.24
27 15 13 00-0411 MLF 200-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	11,191.49 812.91	1,625.82
27 15 13 00-0412 MLF 300-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	16,352.67 1,138.08	2,276.16
27 15 13 00-0413 MLF 400-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	21,415.01 1,409.05	2,818.10
27 15 13 00-0414 MLF 600-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	33,830.66 1,950.99	3,901.98
27 15 13 00-0415 MLF 900-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	55,185.75 3,901.99	7,803.97
27 15 13 00-0416 MLF 1,200-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	75,204.15 5,852.98	11,705.95
<b>27 15 13 00-0417 22 AWG, Category 3, Indoor Telecommunications Riser Cable (27 15 13 00-0383)</b>		
<b>27 15 13 00-0418 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit (27 15 13 00-0417)</b>		
27 15 13 00-0419 MLF 25-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit .....	3,177.66	433.56
27 15 13 00-0420 MLF 50-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit .....	4,800.34	541.94
27 15 13 00-0421 MLF 100-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit .....	8,846.30	867.11
27 15 13 00-0422 MLF 200-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit .....	16,008.64	1,083.89
27 15 13 00-0423 MLF 300-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit .....	23,595.21	1,517.44
27 15 13 00-0424 MLF 400-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit .....	30,800.28	1,875.12
27 15 13 00-0425 MLF 600-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit .....	45,782.49	2,601.33
<b>27 15 13 00-0426 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed (27 15 13 00-0417)</b>		
27 15 13 00-0427 MLF 25-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	3,900.25 433.55	867.11
27 15 13 00-0428 MLF 50-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	5,703.58 541.94	1,083.89
27 15 13 00-0429 MLF 100-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	9,568.89 650.33	1,300.66
27 15 13 00-0430 MLF 200-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	16,911.87 812.91	1,625.82
27 15 13 00-0431 MLF 300-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	24,859.74 1,138.08	2,276.16
27 15 13 00-0432 MLF 400-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	32,371.91 1,409.05	2,818.10
27 15 13 00-0433 MLF 600-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	47,950.26 1,950.99	3,901.98
<b>27 15 13 00-0434 Category 3, Indoor Telecommunications Plenum Cable (27 15 13 00-0382)</b>		
<b>27 15 13 00-0435 24 AWG, Category 3, Indoor Telecommunications Plenum Cable (27 15 13 00-0434)</b>		
<b>27 15 13 00-0436 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit (27 15 13 00-0435)</b>		
27 15 13 00-0437 MLF 2-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit .....	775.97	379.36
27 15 13 00-0438 MLF 3-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit .....	821.38	379.36
27 15 13 00-0439 MLF 4-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit .....	855.34	379.36
27 15 13 00-0440 MLF 6-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit .....	1,043.08	433.56
27 15 13 00-0441 MLF 12-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit .....	1,408.92	433.56
27 15 13 00-0442 MLF 25-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit .....	2,400.59	433.56
27 15 13 00-0443 MLF 50-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit .....	4,158.80	541.94
27 15 13 00-0444 MLF 100-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit .....	7,909.37	867.11
27 15 13 00-0445 MLF 200-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit .....	13,966.51	1,083.89
27 15 13 00-0446 MLF 300-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit .....	20,999.63	1,517.44
<b>27 15 13 00-0447 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed (27 15 13 00-0435)</b>		
27 15 13 00-0448 MLF 2-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	1,408.23 379.36	758.72
27 15 13 00-0449 MLF 3-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	1,453.64 379.36	758.72
27 15 13 00-0450 MLF 4-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	1,487.60 379.36	758.72
27 15 13 00-0451 MLF 6-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	1,585.02 379.36	758.72
27 15 13 00-0452 MLF 12-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	1,950.86 379.36	758.72



<b>Communications</b>	<b>27</b>	<b>27</b>
Structured Cabling	27 10	
Communications Horizontal Cabling	27 15	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0453 MLF 25-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	3,123.18 433.55	867.11
27 15 13 00-0454 MLF 50-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	5,062.04 541.94	1,083.89
27 15 13 00-0455 MLF 100-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	8,631.96 650.33	1,300.66
27 15 13 00-0456 MLF 200-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	14,869.74 812.91	1,625.82
27 15 13 00-0457 MLF 300-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	22,264.16 1,138.08	2,276.16
<b>27 15 13 00-0458 Category 5E, Indoor Telecommunications Cable</b> <small>(27 15 13 00-0381)</small>		
<b>27 15 13 00-0459 Category 5E, Indoor Telecommunications Riser Cable</b> <small>(27 15 13 00-0458)</small>		
<b>27 15 13 00-0460 Category 5E, Indoor Telecommunications Riser Cable, Installed In Conduit</b> <small>(27 15 13 00-0459)</small>		
27 15 13 00-0461 MLF 4-Pair Solid UTP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed In Conduit.....	780.40	379.36
27 15 13 00-0462 MLF 4-Pair Stranded UTP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed In Conduit.....	815.10	379.36
27 15 13 00-0463 MLF 4-Pair Solid STP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed In Conduit.....	906.08	433.56
27 15 13 00-0464 MLF 4-Pair Stranded STP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed In Conduit.....	940.77	433.56
<b>27 15 13 00-0465 Category 5E, Indoor Telecommunications Riser Cable, Installed Exposed</b> <small>(27 15 13 00-0459)</small>		
27 15 13 00-0466 MLF 4-Pair Solid UTP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	1,412.66 379.36	758.72
27 15 13 00-0467 MLF 4-Pair Stranded UTP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	1,447.36 379.36	758.72
27 15 13 00-0468 MLF 4-Pair Solid STP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	1,628.67 433.55	867.11
27 15 13 00-0469 MLF 4-Pair Stranded STP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	1,663.36 433.55	867.11
<b>27 15 13 00-0470 Category 5E, Indoor Telecommunications Plenum Cable</b> <small>(27 15 13 00-0458)</small>		
<b>27 15 13 00-0471 Category 5E, Indoor Telecommunications Plenum Cable, Installed In Conduit</b> <small>(27 15 13 00-0470)</small>		
27 15 13 00-0472 MLF 4-Pair Solid UTP, 24 AWG, Category 5E, Indoor Telecommunications Plenum Cable, Installed In Conduit.....	907.99	379.36
27 15 13 00-0473 MLF 4-Pair Solid STP, 24 AWG, Category 5E, Indoor Telecommunications Plenum Cable, Installed In Conduit.....	1,269.42	433.56
<b>27 15 13 00-0474 Category 5E, Indoor Telecommunications Plenum Cable, Installed Exposed</b> <small>(27 15 13 00-0470)</small>		
27 15 13 00-0475 MLF 4-Pair Solid UTP, 24 AWG, Category 5E, Indoor Telecommunications Plenum Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	1,540.25 379.36	758.72
27 15 13 00-0476 MLF 4-Pair Solid STP, 24 AWG, Category 5E, Indoor Telecommunications Plenum Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	1,992.01 433.55	867.11
<b>27 15 13 00-0477 Category 6, Indoor Telecommunications Cable</b> <small>(27 15 13 00-0381)</small>		
<b>27 15 13 00-0478 Category 6, Indoor Telecommunications Riser Cable</b> <small>(27 15 13 00-0477)</small>		
<b>27 15 13 00-0479 Category 6, Indoor Telecommunications Riser Cable, Installed In Conduit</b> <small>(27 15 13 00-0478)</small>		
27 15 13 00-0480 MLF 4-Pair Solid UTP, 23 AWG, Category 6, Indoor Telecommunications Riser Cable, Installed In Conduit.....	1,079.26	379.36
27 15 13 00-0481 MLF 4-Pair Stranded UTP, 23 AWG, Category 6, Indoor Telecommunications Riser Cable, Installed In Conduit.....	1,129.24	379.36
<b>27 15 13 00-0482 Category 6, Indoor Telecommunications Riser Cable, Installed Exposed</b> <small>(27 15 13 00-0478)</small>		
27 15 13 00-0483 MLF 4-Pair Solid UTP, 23 AWG, Category 6, Indoor Telecommunications Riser Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	1,711.52 379.36	758.72
27 15 13 00-0484 MLF 4-Pair Stranded UTP, 23 AWG, Category 6, Indoor Telecommunications Riser Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	1,761.50 379.36	758.72
<b>27 15 13 00-0485 Category 6, Indoor Telecommunications Plenum Cable</b> <small>(27 15 13 00-0477)</small>		
<b>27 15 13 00-0486 Category 6, Indoor Telecommunications Plenum Cable, Installed In Conduit</b> <small>(27 15 13 00-0485)</small>		
27 15 13 00-0487 MLF 4-Pair Solid UTP, 23 AWG, Category 6, Indoor Telecommunications Plenum Cable, Installed In Conduit.....	1,330.75	379.36
<b>27 15 13 00-0488 Category 6, Indoor Telecommunications Plenum Cable, Installed Exposed</b> <small>(27 15 13 00-0485)</small>		
27 15 13 00-0489 MLF 4-Pair Solid UTP, 23 AWG, Category 6, Indoor Telecommunications Plenum Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	1,963.01 379.36	758.72
<b>27 15 13 00-0490 Category 6a, Indoor Telecommunications Cable</b> <small>(27 15 13 00-0381)</small>		
<b>27 15 13 00-0491 Category 6a, Indoor Telecommunications Riser Cable</b> <small>(27 15 13 00-0490)</small>		

**27 Communications**  
**27 10 Structured Cabling**  
**27 15 Communications Horizontal Cabling**



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0492 <b>Category 6a Indoor Telecommunications Riser Cable, Installed In Conduit</b> <sup>(27 15 13 00-0491)</sup>		
27 15 13 00-0493 MLF 4-Pair Solid UTP, 23 AWG, Category 6A, Indoor Telecommunications Riser Cable, Installed In Conduit.....	1,159.12	379.36
27 15 13 00-0494 <b>Category 6a, Indoor Telecommunications Riser Cable, Installed Exposed</b> <sup>(27 15 13 00-0491)</sup>		
27 15 13 00-0495 MLF 4-Pair Solid UTP, 23 AWG, Category 6A, Indoor Telecommunications Riser Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	1,791.38 379.36	758.72
27 15 13 00-0496 <b>Category 6a, Indoor Telecommunications Plenum Cable</b> <sup>(27 15 13 00-0490)</sup>		
27 15 13 00-0497 <b>Category 6a, Indoor Telecommunications Plenum Cable, Installed In Conduit</b> <sup>(27 15 13 00-0496)</sup>		
27 15 13 00-0498 MLF 4-Pair Solid UTP, 23 AWG, Category 6A, Indoor Telecommunications Plenum Cable, Installed In Conduit.....	1,512.29	379.36
27 15 13 00-0499 <b>Category 6a, Indoor Telecommunications Plenum Cable, Installed Exposed</b> <sup>(27 15 13 00-0496)</sup>		
27 15 13 00-0500 MLF 4-Pair Solid UTP, 23 AWG, Category 6A, Indoor Telecommunications Plenum Cable, Installed Exposed ..... <i>For Work In Restricted Working Space, Add</i>	2,144.55 379.36	758.72
27 15 13 00-0501 <b>Category 7, Indoor Telecommunications Cable</b> <sup>(27 15 13 00-0381)</sup>		
27 15 13 00-0502 <b>Category 7, Indoor Telecommunications Cable, Installed In Conduit</b> <sup>(27 15 13 00-0501)</sup>		
27 15 13 00-0503 MLF 4-Pair Solid STP, 22 AWG, Category 7, Indoor Telecommunications Riser Cable, Installed In Conduit.....	2,753.62	433.56
27 15 13 00-0504 MLF 4-Pair Solid STP, 22 AWG, Category 7, Indoor Telecommunications Plenum Cable, Installed In Conduit.....	4,530.52	433.56
27 15 13 00-0505 <b>Category 7, Indoor Telecommunications Cable, Installed Exposed</b> <sup>(27 15 13 00-0501)</sup>		
27 15 13 00-0506 MLF 4-Pair Solid STP, 22 AWG, Category 7, Indoor Telecommunications Riser Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	3,476.21 433.55	867.11
27 15 13 00-0507 MLF 4-Pair Solid STP, 22 AWG, Category 7, Indoor Telecommunications Plenum Cable, Installed Exposed ..... <i>For Work In Restricted Working Space, Add</i>	5,253.11 433.55	867.11
27 15 13 00-0508 <b>Outdoor Telecommunications Cable</b> <sup>(27 15 13 00-0380)</sup> Note: Cable buried in trench excludes excavation.		
27 15 13 00-0509 <b>PE-89 Outdoor Telecommunications Cable</b> <sup>(27 15 13 00-0508)</sup> Note: Includes foam-skin polyolefin insulated conductors.		
27 15 13 00-0510 <b>24 AWG, PE-89 Outdoor Telecommunications Cable</b> <sup>(27 15 13 00-0509)</sup>		
27 15 13 00-0511 <b>24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit</b> <sup>(27 15 13 00-0510)</sup>		
27 15 13 00-0512 MLF 6-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit .....	1,591.57	433.56
27 15 13 00-0513 MLF 12-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit .....	1,959.12	758.72
27 15 13 00-0514 MLF 25-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit .....	2,841.22	487.75
27 15 13 00-0515 MLF 50-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit .....	4,439.94	541.94
27 15 13 00-0516 MLF 75-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit .....	6,300.47	758.72
27 15 13 00-0517 MLF 100-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit .....	7,983.86	867.11
27 15 13 00-0518 MLF 200-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit .....	14,033.39	975.49
27 15 13 00-0519 MLF 300-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit .....	20,645.37	1,409.05
27 15 13 00-0520 MLF 400-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit .....	27,371.57	1,842.61
27 15 13 00-0521 MLF 600-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit .....	37,179.29	2,492.93
27 15 13 00-0522 MLF 900-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit .....	58,052.13	4,985.87
27 15 13 00-0523 MLF 1,200-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit .....	78,995.66	7,370.41
27 15 13 00-0524 <b>24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench</b> <sup>(27 15 13 00-0510)</sup>		
27 15 13 00-0525 MLF 6-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench .....	1,456.08	
27 15 13 00-0526 MLF 12-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench .....	1,823.63	
27 15 13 00-0527 MLF 25-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench .....	2,660.58	
27 15 13 00-0528 MLF 50-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench .....	4,259.29	
27 15 13 00-0529 MLF 75-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench .....	6,029.50	
27 15 13 00-0530 MLF 100-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench .....	7,532.24	
27 15 13 00-0531 MLF 200-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench .....	13,852.75	
27 15 13 00-0532 MLF 300-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench .....	20,103.43	
27 15 13 00-0533 MLF 400-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench .....	26,242.52	
27 15 13 00-0534 MLF 600-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench .....	35,192.17	
27 15 13 00-0535 MLF 900-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench .....	52,632.71	
27 15 13 00-0536 MLF 1,200-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench .....	71,047.17	
27 15 13 00-0537 <b>22 AWG, PE-89 Outdoor Telecommunications Cable</b> <sup>(27 15 13 00-0509)</sup>		
27 15 13 00-0538 <b>22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit</b> <sup>(27 15 13 00-0537)</sup>		
27 15 13 00-0539 MLF 6-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit .....	1,825.24	433.56
27 15 13 00-0540 MLF 12-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit .....	2,395.68	433.56



<b>Communications</b>	<b>27</b>	<b>27</b>
<b>Structured Cabling</b>	<b>27 10</b>	
<b>Communications Horizontal Cabling</b>	<b>27 15</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0541 MLF 25-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	3,734.82	487.75
27 15 13 00-0542 MLF 50-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	6,030.44	541.94
27 15 13 00-0543 MLF 75-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	8,785.98	758.72
27 15 13 00-0544 MLF 100-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	11,362.85	867.11
27 15 13 00-0545 MLF 200-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	20,551.93	975.49
27 15 13 00-0546 MLF 300-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	29,942.12	1,409.05
27 15 13 00-0547 MLF 400-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	39,904.39	1,842.61
27 15 13 00-0548 MLF 600-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	59,065.54	2,492.93
27 15 13 00-0549 MLF 900-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	85,692.66	4,985.87
27 15 13 00-0550 MLF 1,200-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	120,348.43	7,370.41
<b>27 15 13 00-0551 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench (27 15 13 00-0537)</b>		
27 15 13 00-0552 MLF 6-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	1,689.75	
27 15 13 00-0553 MLF 12-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	2,260.19	
27 15 13 00-0554 MLF 25-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	3,554.18	
27 15 13 00-0555 MLF 50-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	5,849.79	
27 15 13 00-0556 MLF 75-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	8,515.01	
27 15 13 00-0557 MLF 100-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	11,091.88	
27 15 13 00-0558 MLF 200-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	20,371.29	
27 15 13 00-0559 MLF 300-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	29,400.18	
27 15 13 00-0560 MLF 400-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	38,775.34	
27 15 13 00-0561 MLF 600-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	57,078.42	
27 15 13 00-0562 MLF 900-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	80,273.24	
27 15 13 00-0563 MLF 1,200-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	112,399.94	
<b>27 15 13 00-0564 19 AWG, PE-89 Outdoor Telecommunications Cable (27 15 13 00-0509)</b>		
<b>27 15 13 00-0565 19 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit (27 15 13 00-0564)</b>		
27 15 13 00-0566 MLF 25-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	6,489.59	487.75
27 15 13 00-0567 MLF 50-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	11,415.13	541.94
27 15 13 00-0568 MLF 75-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	18,364.36	758.72
27 15 13 00-0569 MLF 100-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit.....	22,028.37	867.11
<b>27 15 13 00-0570 19 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench (27 15 13 00-0564)</b>		
27 15 13 00-0571 MLF 25-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	6,308.95	
27 15 13 00-0572 MLF 50-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	11,234.48	
27 15 13 00-0573 MLF 75-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	18,093.39	
27 15 13 00-0574 MLF 100-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench.....	21,757.40	
<b>27 15 13 00-0575 PE-39 Outdoor Telecommunications Cable (27 15 13 00-0508)</b>		
Note: Includes solid polyolefin insulated conductors.		
<b>27 15 13 00-0576 24 AWG, PE-39 Outdoor Telecommunications Cable (27 15 13 00-0575)</b>		
<b>27 15 13 00-0577 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit (27 15 13 00-0576)</b>		
27 15 13 00-0578 MLF 6-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit.....	2,166.37	758.72
27 15 13 00-0579 MLF 12-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit.....	2,616.03	758.72
27 15 13 00-0580 MLF 25-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit.....	3,523.21	758.72
27 15 13 00-0581 MLF 50-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit.....	5,156.85	758.72
27 15 13 00-0582 MLF 100-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit.....	8,470.13	758.72
27 15 13 00-0583 MLF 200-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit.....	15,558.62	975.49
27 15 13 00-0584 MLF 300-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit.....	22,725.85	1,409.05
27 15 13 00-0585 MLF 400-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit.....	29,906.61	1,842.61
27 15 13 00-0586 MLF 600-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit.....	40,880.64	2,492.93
27 15 13 00-0587 MLF 900-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit.....	62,838.90	4,985.87
27 15 13 00-0588 MLF 1,200-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit.....	91,410.61	7,370.41
<b>27 15 13 00-0589 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench (27 15 13 00-0576)</b>		
27 15 13 00-0590 MLF 6-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	1,895.40	
27 15 13 00-0591 MLF 12-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	2,345.06	
27 15 13 00-0592 MLF 25-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	3,252.24	
27 15 13 00-0593 MLF 50-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	4,885.88	
27 15 13 00-0594 MLF 100-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	8,199.16	
27 15 13 00-0595 MLF 200-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	15,377.98	
27 15 13 00-0596 MLF 300-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	22,183.91	
27 15 13 00-0597 MLF 400-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	28,777.56	
27 15 13 00-0598 MLF 600-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	38,893.52	
27 15 13 00-0599 MLF 900-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	57,419.48	
27 15 13 00-0600 MLF 1,200-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench.....	83,462.12	
<b>27 15 13 00-0601 22 AWG, PE-39 Outdoor Telecommunications Cable (27 15 13 00-0575)</b>		
<b>27 15 13 00-0602 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit (27 15 13 00-0601)</b>		

**27 Communications****27 10 Structured Cabling****27 15 Communications Horizontal Cabling**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0603 MLF 6-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit .....	2,426.33	758.72
27 15 13 00-0604 MLF 12-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit .....	3,087.09	758.72
27 15 13 00-0605 MLF 25-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit .....	4,493.22	758.72
27 15 13 00-0606 MLF 50-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit .....	7,080.00	758.72
27 15 13 00-0607 MLF 100-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit .....	12,478.27	758.72
27 15 13 00-0608 MLF 200-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit .....	23,272.21	975.49
27 15 13 00-0609 MLF 300-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit .....	34,112.06	1,409.05
27 15 13 00-0610 MLF 400-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit .....	43,678.01	1,842.61
27 15 13 00-0611 MLF 600-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit .....	61,058.91	2,492.93
27 15 13 00-0612 MLF 900-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit .....	95,512.20	4,985.87
<b>27 15 13 00-0613 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench (27 15 13 00-0601)</b>		
27 15 13 00-0614 MLF 6-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench .....	2,155.36	
27 15 13 00-0615 MLF 12-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench .....	2,816.12	
27 15 13 00-0616 MLF 25-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench .....	4,222.25	
27 15 13 00-0617 MLF 50-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench .....	6,809.03	
27 15 13 00-0618 MLF 100-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench .....	12,207.30	
27 15 13 00-0619 MLF 200-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench .....	23,091.57	
27 15 13 00-0620 MLF 300-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench .....	33,570.12	
27 15 13 00-0621 MLF 400-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench .....	42,548.96	
27 15 13 00-0622 MLF 600-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench .....	59,071.79	
27 15 13 00-0623 MLF 900-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench .....	90,092.78	
<b>27 15 13 00-0624 19 AWG, PE-39 Outdoor Telecommunications Cable (27 15 13 00-0575)</b>		
<b>27 15 13 00-0625 19 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit (27 15 13 00-0624)</b>		
27 15 13 00-0626 MLF 25-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit .....	7,608.13	758.72
27 15 13 00-0627 MLF 50-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit .....	12,854.46	758.72
27 15 13 00-0628 MLF 100-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit .....	23,733.50	758.72
<b>27 15 13 00-0629 19 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench (27 15 13 00-0624)</b>		
27 15 13 00-0630 MLF 25-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench .....	7,337.16	
27 15 13 00-0631 MLF 50-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench .....	12,583.49	
27 15 13 00-0632 MLF 100-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench .....	23,462.53	
<b>27 15 13 00-0633 (Aerial) Outdoor Telecommunications Cable (27 15 13 00-0508)</b>		
Note: Includes support wire.		
<b>27 15 13 00-0634 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles (27 15 13 00-0633)</b>		
27 15 13 00-0635 MLF 6-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles .....	6,445.77	1,596.89
27 15 13 00-0636 MLF 12-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles .....	6,819.91	1,596.89
27 15 13 00-0637 MLF 25-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles .....	7,748.83	1,596.89
27 15 13 00-0638 MLF 50-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles .....	9,468.70	1,596.89
27 15 13 00-0639 MLF 100-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles .....	12,790.62	1,596.89
27 15 13 00-0640 MLF 200-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles .....	19,756.57	1,756.58
27 15 13 00-0641 MLF 300-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles .....	26,763.62	1,916.27
<b>27 15 13 00-0642 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles (27 15 13 00-0633)</b>		
27 15 13 00-0643 MLF 6-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles .....	6,893.39	1,596.89
27 15 13 00-0644 MLF 12-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles .....	7,446.16	1,596.89
27 15 13 00-0645 MLF 25-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles .....	8,777.57	1,596.89
27 15 13 00-0646 MLF 50-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles .....	11,407.88	1,596.89
27 15 13 00-0647 MLF 100-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles .....	17,170.62	1,596.89
27 15 13 00-0648 MLF 200-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles .....	27,651.91	1,756.58
<b>27 15 13 00-0649 19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles (27 15 13 00-0633)</b>		
27 15 13 00-0650 MLF 6-Pair 19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles .....	7,485.18	1,596.89
27 15 13 00-0651 MLF 12-Pair 19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles .....	8,735.25	1,596.89
27 15 13 00-0652 MLF 25-Pair 19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles .....	11,193.09	1,596.89
27 15 13 00-0653 MLF 50-Pair 19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles .....	16,108.81	1,596.89
27 15 13 00-0654 MLF 100-Pair 19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles .....	25,960.16	1,596.89
<b>27 15 13 00-0655 Sound System Cables (27 15 13)</b>		
Note: Cables shall be type CL2 or CM and as manufactured by West Penn Wire, Belden or approved equal.		
<b>27 15 13 00-0656 Speaker/Communications And Control Cable, Installed Exposed (27 15 13 00-0655)</b>		
<b>27 15 13 00-0657 Non-Plenum Rated Speaker/Communications And Control Cable, Installed Exposed (27 15 13 00-0656)</b>		



<b>Communications</b>	<b>27</b>
<b>Structured Cabling</b>	<b>27 10</b>
<b>Communications Horizontal Cabling</b>	<b>27 15</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0658 MLF 2 Conductor, #16 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed ..... 1,474.74	346.52	577.53
<i>For Work In Restricted Working Space, Add</i>		
27 15 13 00-0659 MLF 2 Conductor, #18 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed ..... 1,366.92	346.52	577.53
<i>For Work In Restricted Working Space, Add</i>		
27 15 13 00-0660 MLF 2 Conductor, #22 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed ..... 1,283.75	346.52	577.53
<i>For Work In Restricted Working Space, Add</i>		
27 15 13 00-0661 MLF 4 Conductor, #22 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed ..... 1,374.70	346.52	577.53
<i>For Work In Restricted Working Space, Add</i>		
27 15 13 00-0662 MLF 4 Conductor, #18 AWG, Stranded, Shielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed ..... 1,667.02	346.52	577.53
<i>For Work In Restricted Working Space, Add</i>		
27 15 13 00-0663 MLF 6 Conductor, #18 AWG, Stranded, Shielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed ..... 1,958.38	346.52	577.53
<i>For Work In Restricted Working Space, Add</i>		
27 15 13 00-0664 MLF 4 Conductor, #20 AWG, Stranded, 2 Shielded, 2 Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed ..... 1,668.25	346.52	577.53
<i>For Work In Restricted Working Space, Add</i>		
27 15 13 00-0665 MLF 4 Conductor, #22 AWG, Stranded, 2 Shielded, 2 Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed ..... 1,527.89	346.52	577.53
<i>For Work In Restricted Working Space, Add</i>		
<b>27 15 13 00-0666 Plenum Rated Speaker/Communications And Control Cable, Installed Exposed <small>(27 15 13 00-0656)</small></b>		
27 15 13 00-0667 MLF 2 Conductor, #16 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed ..... 1,519.29	346.52	577.53
<i>For Work In Restricted Working Space, Add</i>		
27 15 13 00-0668 MLF 2 Conductor, #18 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed ..... 1,395.25	346.52	577.53
<i>For Work In Restricted Working Space, Add</i>		
27 15 13 00-0669 MLF 2 Conductor, #22 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed ..... 1,325.04	346.52	577.53
<i>For Work In Restricted Working Space, Add</i>		
27 15 13 00-0670 MLF 4 Conductor, #22 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed ..... 1,442.20	346.52	577.53
<i>For Work In Restricted Working Space, Add</i>		
27 15 13 00-0671 MLF 8 Conductors, #22 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed ..... 1,689.70	346.52	577.53
<i>For Work In Restricted Working Space, Add</i>		
27 15 13 00-0672 MLF 2 Conductors, #16 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed ..... 1,662.40	346.52	577.53
<i>For Work In Restricted Working Space, Add</i>		
27 15 13 00-0673 MLF 2 Conductors, #18 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed ..... 1,490.83	346.52	577.53
<i>For Work In Restricted Working Space, Add</i>		
27 15 13 00-0674 MLF 4 Conductor, #18 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed ..... 1,782.47	346.52	577.53
<i>For Work In Restricted Working Space, Add</i>		
27 15 13 00-0675 MLF 6 Conductor, #18 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed ..... 2,073.31	346.52	577.53
<i>For Work In Restricted Working Space, Add</i>		
27 15 13 00-0676 MLF 2 Conductor, #22 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed ..... 1,360.25	346.52	577.53
<i>For Work In Restricted Working Space, Add</i>		
27 15 13 00-0677 MLF 2 Conductor, #20 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed ..... 1,418.20	346.52	577.53
<i>For Work In Restricted Working Space, Add</i>		
<b>27 15 13 00-0678 Speaker/Communications And Control Cable, Installed In Conduit <small>(27 15 13 00-0655)</small></b>		
<b>27 15 13 00-0679 Non-Plenum Rated Speaker/Communications And Control Cable, Installed In Conduit <small>(27 15 13 00-0678)</small></b>		
27 15 13 00-0680 MLF 2 Conductors, #16 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit ..... 897.21		288.76
27 15 13 00-0681 MLF 2 Conductors, #18 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit ..... 789.39		288.76
27 15 13 00-0682 MLF 2 Conductors, #22 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit ..... 706.22		288.76
27 15 13 00-0683 MLF 4 Conductors, #22 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit ..... 797.17		288.76
27 15 13 00-0684 MLF 4 Conductors, #18 AWG, Stranded, Shielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit ..... 1,089.49		288.76
27 15 13 00-0685 MLF 6 Conductors, #18 AWG, Stranded, Shielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit ..... 1,380.85		288.76
27 15 13 00-0686 MLF 4 Conductors (2 Shielded, 2 Unshielded), #20 AWG, Stranded, Non-Plenum Rated, Microphone/Communications Cable, Installed In Conduit ..... 1,090.72		288.76
27 15 13 00-0687 MLF 4 Conductors (2 Shielded, 2 Unshielded), #22 AWG, Stranded, Non-Plenum Rated, Microphone/Communications Cable, Installed In Conduit ..... 950.36		288.76

**27 Communications**  
**27 10 Structured Cabling**  
 27 15 Communications Horizontal Cabling



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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27 15 13 00-0688	<b>Plenum Rated Speaker/Communications And Control Cable, Installed In Conduit</b> <small>(27 15 13 00-0678)</small>	
27 15 13 00-0689	MLF 2 Conductor, #6 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit.....	941.76 288.76
27 15 13 00-0690	MLF 2 Conductor, #18 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit.....	817.72 288.76
27 15 13 00-0691	MLF 2 Conductor, #22 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit.....	747.51 288.76
27 15 13 00-0692	MLF 4 Conductor, #22 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit.....	864.67 288.76
27 15 13 00-0693	MLF 8 Conductor, #22 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit.....	1,112.17 288.76
27 15 13 00-0694	MLF 2 Conductor, #16 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit.....	1,084.87 288.76
27 15 13 00-0695	MLF 2 Conductor, #18 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit.....	913.30 288.76
27 15 13 00-0696	MLF 4 Conductor, #18 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit.....	1,204.94 288.76
27 15 13 00-0697	MLF 6 Conductor, #18 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit.....	1,495.78 288.76
27 15 13 00-0698	MLF 2 Conductor, #20 AWG, Stranded, Shielded, Plenum Rated, Microphone/Communications And Control Cable, Installed In Conduit.....	840.67 288.76
27 15 13 00-0699	MLF 2 Conductor, #22 AWG, Stranded, Shielded, Plenum Rated, Microphone/Communications And Control Cable, Installed In Conduit.....	782.72 288.76

**27 15 23 Communications Optical Fiber Horizontal Cabling** (27 15)

Note: Cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Cable installed exposed includes installation on exposed surfaces, uncovered wireways, cable trays, etc.

27 15 23 00-0001	<b>Indoor Fiber Optic Cable</b> <small>(27 15 23)</small>	
Note: Distribution cables contain multiple tight-buffered fibers bundled under the same jacket with Kevlar strength members. Break-out cables contain multiple individually reinforced and jacketed simplex cables bundled together.		
27 15 23 00-0002	<b>Indoor Fiber Optic Cable, Installed In Conduit</b> <small>(27 15 23 00-0001)</small>	
Note: Excludes conduit or innerduct.		
27 15 23 00-0003	<b>Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit</b> <small>(27 15 23 00-0002)</small>	
27 15 23 00-0004	<b>Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit</b> <small>(27 15 23 00-0003)</small>	
27 15 23 00-0005	<b>Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit</b> <small>(27 15 23 00-0004)</small>	
27 15 23 00-0006	MLF 1-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	834.09 325.16
27 15 23 00-0007	MLF 2-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	922.14 325.16
27 15 23 00-0008	MLF 4-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	951.54 325.16
27 15 23 00-0009	MLF 6-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,056.23 325.16
<i>For Aluminum Armored Cable, Add</i>		1,338.06
<i>For Steel Armored Cable, Add</i>		1,520.56
27 15 23 00-0010	MLF 8-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,086.25 325.16
27 15 23 00-0011	MLF 12-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,267.70 325.16
<i>For Aluminum Armored Cable, Add</i>		1,489.57
<i>For Steel Armored Cable, Add</i>		1,595.17
27 15 23 00-0012	MLF 18-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	2,236.25 379.36
27 15 23 00-0013	MLF 24-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	3,205.49 379.36
<i>For Aluminum Armored Cable With Sub-Units, Add</i>		1,663.40
<i>For Steel Armored Cable, Add</i>		2,151.49
27 15 23 00-0014	MLF 36-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	3,942.12 379.36
<i>For Aluminum Armored Cable With Sub-Units, Add</i>		1,753.53
<i>For Steel Armored Cable, Add</i>		1,961.57
27 15 23 00-0015	MLF 48-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	4,084.99 379.36
<i>For Aluminum Armored Cable With Sub-Units, Add</i>		1,839.80
<i>For Steel Armored Cable, Add</i>		2,054.38
27 15 23 00-0016	MLF 60-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	4,985.93 379.36
27 15 23 00-0017	MLF 72-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	5,225.52 379.36
27 15 23 00-0018	MLF 96-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	6,485.77 379.36
27 15 23 00-0019	MLF 120-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	8,742.49 433.56
27 15 23 00-0020	MLF 144-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	10,461.04 433.56

**27 15 23 00-0021 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit** (27 15 23 00-0004)

27 15 23 00-0022	MLF 1-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	859.45 325.16
27 15 23 00-0023	MLF 2-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,015.96 325.16
27 15 23 00-0024	MLF 4-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,297.40 325.16





<b>Communications</b>	<b>27</b>	
<b>Structured Cabling</b>	<b>27 10</b>	<b>27</b>
<b>Communications Horizontal Cabling</b>	<b>27 15</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0025 MLF 6-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,593.66	325.16
<i>For Aluminum Armored Cable, Add</i>	747.03	
<i>For Steel Armored Cable, Add</i>	1,022.31	
27 15 23 00-0026 MLF 8-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,875.11	325.16
27 15 23 00-0027 MLF 12-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	2,452.82	325.16
<i>For Aluminum Armored Cable, Add</i>	632.58	
<i>For Steel Armored Cable, Add</i>	991.27	
27 15 23 00-0028 MLF 18-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	2,691.28	379.36
27 15 23 00-0029 MLF 24-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	4,779.91	379.36
<i>For Aluminum Armored Cable With Sub-Units, Add</i>	952.11	
<i>For Steel Armored Cable, Add</i>	952.11	
27 15 23 00-0030 MLF 36-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	6,853.73	379.36
27 15 23 00-0031 MLF 48-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	8,927.55	379.36
<i>For Aluminum Armored Cable With Sub-Units, Add</i>	1,699.05	
27 15 23 00-0032 MLF 60-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	11,001.37	379.36
27 15 23 00-0033 MLF 72-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	13,075.19	379.36
27 15 23 00-0034 MLF 96-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	17,237.64	379.36
<i>For Aluminum Armored Cable With Sub-Units, Add</i>	7,317.62	
27 15 23 00-0035 MLF 120-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	21,475.60	433.56
27 15 23 00-0036 MLF 144-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	25,623.24	433.56
<b>27 15 23 00-0037 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit</b> <small>(27 15 23 00-0004)</small>		
27 15 23 00-0038 MLF 1-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	875.32	325.16
27 15 23 00-0039 MLF 2-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,039.66	325.16
27 15 23 00-0040 MLF 4-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,335.18	325.16
27 15 23 00-0041 MLF 6-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,646.25	325.16
27 15 23 00-0042 MLF 8-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,941.77	325.16
27 15 23 00-0043 MLF 12-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	2,548.36	325.16
27 15 23 00-0044 MLF 18-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	2,794.23	379.36
27 15 23 00-0045 MLF 24-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	4,987.29	379.36
27 15 23 00-0046 MLF 36-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	7,164.80	379.36
27 15 23 00-0047 MLF 48-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	9,342.31	379.36
27 15 23 00-0048 MLF 60-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	11,519.83	379.36
27 15 23 00-0049 MLF 72-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	13,697.34	379.36
27 15 23 00-0050 MLF 96-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	18,067.91	379.36
27 15 23 00-0051 MLF 120-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	22,513.25	433.56
27 15 23 00-0052 MLF 144-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	26,868.28	433.56
<b>27 15 23 00-0053 Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit</b> <small>(27 15 23 00-0003)</small>		
<b>27 15 23 00-0054 Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit</b> <small>(27 15 23 00-0053)</small>		
27 15 23 00-0055 MLF 2-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,650.14	325.16
27 15 23 00-0056 MLF 4-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,978.51	325.16
27 15 23 00-0057 MLF 6-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	2,700.91	325.16
27 15 23 00-0058 MLF 8-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	3,045.66	325.16
27 15 23 00-0059 MLF 12-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	5,394.36	325.16
27 15 23 00-0060 MLF 18-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	5,680.80	379.36
27 15 23 00-0061 MLF 24-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	7,193.99	379.36
27 15 23 00-0062 MLF 36-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	10,195.73	379.36
27 15 23 00-0063 MLF 48-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	12,535.30	379.36

**27 Communications****27 10 Structured Cabling****27 15 Communications Horizontal Cabling**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>27 15 23 00-0064 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit</b> <small>(27 15 23 00-0063)</small>		
27 15 23 00-0065 MLF 2-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	2,146.62	325.16
27 15 23 00-0066 MLF 4-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	2,652.57	325.16
27 15 23 00-0067 MLF 6-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	3,486.76	325.16
27 15 23 00-0068 MLF 8-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	4,726.61	325.16
27 15 23 00-0069 MLF 12-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	5,241.48	325.16
27 15 23 00-0070 MLF 18-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	7,040.37	379.36
27 15 23 00-0071 MLF 24-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	8,898.49	379.36
27 15 23 00-0072 MLF 36-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	10,168.88	379.36
27 15 23 00-0073 MLF 48-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	15,623.03	379.36
<b>27 15 23 00-0074 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit</b> <small>(27 15 23 00-0053)</small>		
27 15 23 00-0075 MLF 2-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	2,226.85	325.16
27 15 23 00-0076 MLF 4-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	2,758.10	325.16
27 15 23 00-0077 MLF 6-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	3,634.01	325.16
27 15 23 00-0078 MLF 8-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	4,935.85	325.16
27 15 23 00-0079 MLF 12-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	5,476.46	325.16
27 15 23 00-0080 MLF 18-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	7,360.78	379.36
27 15 23 00-0081 MLF 24-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	9,311.80	379.36
27 15 23 00-0082 MLF 36-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	10,645.71	379.36
27 15 23 00-0083 MLF 48-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	16,372.56	379.36
<b>27 15 23 00-0084 Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit</b> <small>(27 15 23 00-0002)</small>		
<b>27 15 23 00-0085 Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit</b> <small>(27 15 23 00-0084)</small>		
<b>27 15 23 00-0086 Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit</b> <small>(27 15 23 00-0085)</small>		
27 15 23 00-0087 MLF 1-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	904.32	325.16
27 15 23 00-0088 MLF 2-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	909.79	325.16
27 15 23 00-0089 MLF 4-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,196.87	325.16
27 15 23 00-0090 MLF 6-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,230.46	325.16
<i>For Aluminum Armored Cable, Add</i>	1,256.02	
<i>For Steel Armored Cable, Add</i>	5,330.15	
27 15 23 00-0091 MLF 8-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,399.57	325.16
27 15 23 00-0092 MLF 12-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,431.20	325.16
<i>For Aluminum Armored Cable, Add</i>	1,326.10	
<i>For Steel Armored Cable, Add</i>	5,700.76	
27 15 23 00-0093 MLF 18-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	3,531.31	379.36
27 15 23 00-0094 MLF 24-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	4,618.45	379.36
<i>For Aluminum Armored Cable With Sub-Units, Add</i>	1,084.57	
<i>For Steel Armored Cable, Add</i>	5,568.60	
27 15 23 00-0095 MLF 36-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	7,495.98	379.36
27 15 23 00-0096 MLF 48-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	7,698.68	379.36
<i>For Aluminum Armored Cable With Sub-Units, Add</i>	1,662.87	
<i>For Steel Armored Cable, Add</i>	6,680.57	
27 15 23 00-0097 MLF 60-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	9,348.23	379.36
27 15 23 00-0098 MLF 72-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	11,109.44	379.36
27 15 23 00-0099 MLF 96-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	14,769.57	379.36
<b>27 15 23 00-0100 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit</b> <small>(27 15 23 00-0085)</small>		
27 15 23 00-0101 MLF 1-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	857.74	325.16
27 15 23 00-0102 MLF 2-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,514.81	325.16
27 15 23 00-0103 MLF 4-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	2,110.79	325.16



<b>Communications</b>	<b>27</b>	<b>27</b>
<b>Structured Cabling</b>	<b>27 10</b>	
<b>Communications Horizontal Cabling</b>	<b>27 15</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0104 MLF 6-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	2,718.73	325.16
For Aluminum Armored Cable, Add	-375.41	
For Steel Armored Cable, Add	-39.23	
27 15 23 00-0105 MLF 8-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	3,301.25	325.16
27 15 23 00-0106 MLF 12-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	3,807.37	325.16
For Aluminum Armored Cable, Add	-744.87	
For Steel Armored Cable, Add	-363.26	
27 15 23 00-0107 MLF 18-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	4,893.87	379.36
27 15 23 00-0108 MLF 24-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	9,216.79	379.36
For Aluminum Armored Cable With Sub-Units, Add	2,550.22	
For Steel Armored Cable, Add	5,947.85	
27 15 23 00-0109 MLF 36-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	13,509.05	379.36
27 15 23 00-0110 MLF 48-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	17,801.31	379.36
For Aluminum Armored Cable With Sub-Units, Add	7,572.77	
27 15 23 00-0111 MLF 60-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	22,093.57	379.36
27 15 23 00-0112 MLF 72-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	26,385.83	379.36
27 15 23 00-0113 MLF 96-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	35,001.01	379.36
For Aluminum Armored Cable With Sub-Units, Add	15,145.55	
<b>27 15 23 00-0114 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit (27 15 23 00-0085)</b>		
27 15 23 00-0115 MLF 1-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	873.53	325.16
27 15 23 00-0116 MLF 2-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,563.46	325.16
27 15 23 00-0117 MLF 4-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	2,189.23	325.16
27 15 23 00-0118 MLF 6-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	2,827.57	325.16
27 15 23 00-0119 MLF 8-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	3,439.22	325.16
27 15 23 00-0120 MLF 12-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	3,970.64	325.16
27 15 23 00-0121 MLF 18-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	5,106.95	379.36
27 15 23 00-0122 MLF 24-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	9,646.02	379.36
27 15 23 00-0123 MLF 36-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	14,152.89	379.36
27 15 23 00-0124 MLF 48-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	18,659.76	379.36
27 15 23 00-0125 MLF 60-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	23,166.63	379.36
27 15 23 00-0126 MLF 72-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	27,673.51	379.36
27 15 23 00-0127 MLF 96-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	36,719.45	379.36
<b>27 15 23 00-0128 Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit (27 15 23 00-0084)</b>		
<b>27 15 23 00-0129 Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit (27 15 23 00-0128)</b>		
27 15 23 00-0130 MLF 2-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	2,654.37	325.16
27 15 23 00-0131 MLF 4-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	3,053.89	325.16
27 15 23 00-0132 MLF 6-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	4,014.34	325.16
27 15 23 00-0133 MLF 8-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	4,955.61	325.16
27 15 23 00-0134 MLF 12-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	6,457.87	325.16
27 15 23 00-0135 MLF 18-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	9,235.27	379.36
27 15 23 00-0136 MLF 24-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	13,372.09	379.36
27 15 23 00-0137 MLF 36-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	16,201.99	379.36
27 15 23 00-0138 MLF 48-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	20,246.29	379.36
<b>27 15 23 00-0139 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit (27 15 23 00-0128)</b>		
27 15 23 00-0140 MLF 2-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	6,041.21	325.16
27 15 23 00-0141 MLF 4-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	7,647.16	325.16

**27 Communications**  
**27 10 Structured Cabling**  
**27 15 Communications Horizontal Cabling**



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0142	MLF	6-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	10,513.72	325.16
27 15 23 00-0143	MLF	8-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	11,974.68	325.16
27 15 23 00-0144	MLF	12-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	14,241.09	325.16
27 15 23 00-0145	MLF	18-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	19,579.53	379.36
27 15 23 00-0146	MLF	24-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	23,085.11	379.36
27 15 23 00-0147	MLF	36-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	25,519.07	379.36
27 15 23 00-0148	MLF	48-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	41,102.15	379.36
<b>27 15 23 00-0149</b>		<b>62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit</b> <small>(27 15 23 00-0128)</small>		
27 15 23 00-0150	MLF	2-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	6,316.18	325.16
27 15 23 00-0151	MLF	4-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	8,002.42	325.16
27 15 23 00-0152	MLF	6-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	11,012.31	325.16
27 15 23 00-0153	MLF	8-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	12,546.32	325.16
27 15 23 00-0154	MLF	12-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	14,926.04	325.16
27 15 23 00-0155	MLF	18-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	20,526.90	379.36
27 15 23 00-0156	MLF	24-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	24,207.75	379.36
27 15 23 00-0157	MLF	36-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	26,763.41	379.36
27 15 23 00-0158	MLF	48-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	43,125.64	379.36
<b>27 15 23 00-0159</b>		<b>Indoor Fiber Optic Cable, Installed Exposed</b> <small>(27 15 23 00-0001)</small>		
		Note: For non-conduit installations such as cable trays, surface runways, etc.		
<b>27 15 23 00-0160</b>		<b>Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed</b> <small>(27 15 23 00-0159)</small>		
<b>27 15 23 00-0161</b>		<b>Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed</b> <small>(27 15 23 00-0160)</small>		
<b>27 15 23 00-0162</b>		<b>Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed</b> <small>(27 15 23 00-0161)</small>		
27 15 23 00-0163	MLF	1-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	1,014.74	433.56
		<i>For Work In Restricted Working Space, Add</i>	216.78	
27 15 23 00-0164	MLF	2-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	1,102.79	433.56
		<i>For Work In Restricted Working Space, Add</i>	216.78	
27 15 23 00-0165	MLF	4-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	1,132.19	433.56
		<i>For Work In Restricted Working Space, Add</i>	216.78	
27 15 23 00-0166	MLF	6-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	1,236.88	433.56
		<i>For Aluminum Armored Cable, Add</i>	1,338.06	
		<i>For Steel Armored Cable, Add</i>	1,520.56	
		<i>For Work In Restricted Working Space, Add</i>	216.78	
27 15 23 00-0167	MLF	8-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	1,266.90	433.56
		<i>For Work In Restricted Working Space, Add</i>	216.78	
27 15 23 00-0168	MLF	12-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	1,448.35	433.56
		<i>For Aluminum Armored Cable, Add</i>	1,489.57	
		<i>For Steel Armored Cable, Add</i>	1,595.17	
		<i>For Work In Restricted Working Space, Add</i>	216.78	
27 15 23 00-0169	MLF	18-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	2,416.89	487.75
		<i>For Work In Restricted Working Space, Add</i>	243.87	
27 15 23 00-0170	MLF	24-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	3,386.13	487.75
		<i>For Aluminum Armored Cable With Sub-Units, Add</i>	1,663.40	
		<i>For Steel Armored Cable, Add</i>	2,151.49	
		<i>For Work In Restricted Working Space, Add</i>	243.87	
27 15 23 00-0171	MLF	36-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	4,122.76	487.75
		<i>For Aluminum Armored Cable With Sub-Units, Add</i>	1,753.53	
		<i>For Steel Armored Cable, Add</i>	1,961.57	
		<i>For Work In Restricted Working Space, Add</i>	243.87	
27 15 23 00-0172	MLF	48-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	4,265.63	487.75
		<i>For Aluminum Armored Cable With Sub-Units, Add</i>	1,839.80	
		<i>For Steel Armored Cable, Add</i>	2,054.38	
		<i>For Work In Restricted Working Space, Add</i>	243.87	
27 15 23 00-0173	MLF	60-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	5,166.57	487.75
		<i>For Work In Restricted Working Space, Add</i>	243.87	
27 15 23 00-0174	MLF	72-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	5,406.16	487.75
		<i>For Work In Restricted Working Space, Add</i>	243.87	
27 15 23 00-0175	MLF	96-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	6,666.41	487.75
		<i>For Work In Restricted Working Space, Add</i>	243.87	



<b>Communications</b>	<b>27</b>	
<b>Structured Cabling</b>	<b>27 10</b>	<b>27</b>
<b>Communications Horizontal Cabling</b>	<b>27 15</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0176 MLF 120-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	8,923.14 270.97	541.94
27 15 23 00-0177 MLF 144-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	10,641.69 270.97	541.94
<b>27 15 23 00-0178 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed</b> <small>(27 15 23 00-0161)</small>		
27 15 23 00-0179 MLF 1-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	1,040.10 216.78	433.56
27 15 23 00-0180 MLF 2-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	1,196.61 216.78	433.56
27 15 23 00-0181 MLF 4-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	1,478.05 216.78	433.56
27 15 23 00-0182 MLF 6-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Aluminum Armored Cable, Add</i> <i>For Steel Armored Cable, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,774.31 747.03 1,022.31 216.78	433.56
27 15 23 00-0183 MLF 8-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	2,055.76 216.78	433.56
27 15 23 00-0184 MLF 12-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Aluminum Armored Cable, Add</i> <i>For Steel Armored Cable, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,633.47 632.58 991.27 216.78	433.56
27 15 23 00-0185 MLF 18-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	2,871.92 243.87	487.75
27 15 23 00-0186 MLF 24-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Aluminum Armored Cable With Sub-Units, Add</i> <i>For Steel Armored Cable, Add</i> <i>For Work In Restricted Working Space, Add</i>	4,960.55 952.11 952.11 243.87	487.75
27 15 23 00-0187 MLF 36-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	7,034.37 243.87	487.75
27 15 23 00-0188 MLF 48-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Aluminum Armored Cable With Sub-Units, Add</i> <i>For Work In Restricted Working Space, Add</i>	9,108.19 1,699.05 243.87	487.75
27 15 23 00-0189 MLF 60-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	11,182.01 243.87	487.75
27 15 23 00-0190 MLF 72-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	13,255.83 243.87	487.75
27 15 23 00-0191 MLF 96-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Aluminum Armored Cable With Sub-Units, Add</i> <i>For Work In Restricted Working Space, Add</i>	17,418.28 7,317.62 243.87	487.75
27 15 23 00-0192 MLF 120-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	21,656.25 270.97	541.94
27 15 23 00-0193 MLF 144-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	25,803.89 270.97	541.94
<b>27 15 23 00-0194 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed</b> <small>(27 15 23 00-0161)</small>		
27 15 23 00-0195 MLF 1-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	1,055.97 216.78	433.56
27 15 23 00-0196 MLF 2-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	1,220.31 216.78	433.56
27 15 23 00-0197 MLF 4-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	1,515.83 216.78	433.56
27 15 23 00-0198 MLF 6-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	1,826.90 216.78	433.56
27 15 23 00-0199 MLF 8-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	2,122.42 216.78	433.56
27 15 23 00-0200 MLF 12-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	2,729.01 216.78	433.56
27 15 23 00-0201 MLF 18-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	2,974.87 243.87	487.75
27 15 23 00-0202 MLF 24-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	5,167.93 243.87	487.75
27 15 23 00-0203 MLF 36-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	7,345.44 243.87	487.75
27 15 23 00-0204 MLF 48-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	9,522.95 243.87	487.75

**27 Communications**  
**27 10 Structured Cabling**  
**27 15 Communications Horizontal Cabling**



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0205 MLF 60-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	11,700.47	487.75
<i>For Work In Restricted Working Space, Add</i>	243.87	
27 15 23 00-0206 MLF 72-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	13,877.98	487.75
<i>For Work In Restricted Working Space, Add</i>	243.87	
27 15 23 00-0207 MLF 96-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	18,248.55	487.75
<i>For Work In Restricted Working Space, Add</i>	243.87	
27 15 23 00-0208 MLF 120-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	22,693.90	541.94
<i>For Work In Restricted Working Space, Add</i>	270.97	
27 15 23 00-0209 MLF 144-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	27,048.93	541.94
<i>For Work In Restricted Working Space, Add</i>	270.97	
<b>27 15 23 00-0210 Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed</b> <small>(27 15 23 00-0160)</small>		
<b>27 15 23 00-0211 Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed</b> <small>(27 15 23 00-0210)</small>		
27 15 23 00-0212 MLF 2-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	1,830.79	433.56
<i>For Work In Restricted Working Space, Add</i>	216.78	
27 15 23 00-0213 MLF 4-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	2,159.16	433.56
<i>For Work In Restricted Working Space, Add</i>	216.78	
27 15 23 00-0214 MLF 6-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	2,881.56	433.56
<i>For Work In Restricted Working Space, Add</i>	216.78	
27 15 23 00-0215 MLF 8-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	3,226.31	433.56
<i>For Work In Restricted Working Space, Add</i>	216.78	
27 15 23 00-0216 MLF 12-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	5,575.01	433.56
<i>For Work In Restricted Working Space, Add</i>	216.78	
27 15 23 00-0217 MLF 18-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	5,861.44	487.75
<i>For Work In Restricted Working Space, Add</i>	243.87	
27 15 23 00-0218 MLF 24-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	7,374.63	487.75
<i>For Work In Restricted Working Space, Add</i>	243.87	
27 15 23 00-0219 MLF 36-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	10,376.37	487.75
<i>For Work In Restricted Working Space, Add</i>	243.87	
27 15 23 00-0220 MLF 48-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	12,715.94	487.75
<i>For Work In Restricted Working Space, Add</i>	243.87	
<b>27 15 23 00-0221 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed</b> <small>(27 15 23 00-0210)</small>		
27 15 23 00-0222 MLF 2-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	2,327.27	433.56
<i>For Work In Restricted Working Space, Add</i>	216.78	
27 15 23 00-0223 MLF 4-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	2,833.22	433.56
<i>For Work In Restricted Working Space, Add</i>	216.78	
27 15 23 00-0224 MLF 6-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	3,667.41	433.56
<i>For Work In Restricted Working Space, Add</i>	216.78	
27 15 23 00-0225 MLF 8-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	4,907.26	433.56
<i>For Work In Restricted Working Space, Add</i>	216.78	
27 15 23 00-0226 MLF 12-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	5,422.13	433.56
<i>For Work In Restricted Working Space, Add</i>	216.78	
27 15 23 00-0227 MLF 18-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	7,221.01	487.75
<i>For Work In Restricted Working Space, Add</i>	243.87	
27 15 23 00-0228 MLF 24-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	9,079.13	487.75
<i>For Work In Restricted Working Space, Add</i>	243.87	
27 15 23 00-0229 MLF 36-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	10,349.52	487.75
<i>For Work In Restricted Working Space, Add</i>	243.87	
27 15 23 00-0230 MLF 48-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	15,803.67	487.75
<i>For Work In Restricted Working Space, Add</i>	243.87	
<b>27 15 23 00-0231 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed</b> <small>(27 15 23 00-0210)</small>		
27 15 23 00-0232 MLF 2-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	2,407.50	433.56
<i>For Work In Restricted Working Space, Add</i>	216.78	
27 15 23 00-0233 MLF 4-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	2,938.75	433.56
<i>For Work In Restricted Working Space, Add</i>	216.78	
27 15 23 00-0234 MLF 6-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	3,814.66	433.56
<i>For Work In Restricted Working Space, Add</i>	216.78	
27 15 23 00-0235 MLF 8-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	5,116.50	433.56
<i>For Work In Restricted Working Space, Add</i>	216.78	
27 15 23 00-0236 MLF 12-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	5,657.11	433.56
<i>For Work In Restricted Working Space, Add</i>	216.78	
27 15 23 00-0237 MLF 18-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	7,541.42	487.75
<i>For Work In Restricted Working Space, Add</i>	243.87	
27 15 23 00-0238 MLF 24-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	9,492.44	487.75
<i>For Work In Restricted Working Space, Add</i>	243.87	



<b>Communications</b>	<b>27</b>	<b>27</b>
<b>Structured Cabling</b>	<b>27 10</b>	
<b>Communications Horizontal Cabling</b>	<b>27 15</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0239 MLF 36-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	10,826.35 243.87	487.75
27 15 23 00-0240 MLF 48-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	16,553.20 243.87	487.75
<b>27 15 23 00-0241 Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed</b> <small>(27 15 23 00-0159)</small>		
<b>27 15 23 00-0242 Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed</b> <small>(27 15 23 00-0241)</small>		
<b>27 15 23 00-0243 Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed</b> <small>(27 15 23 00-0242)</small>		
27 15 23 00-0244 MLF 1-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	1,084.97 216.78	433.56
27 15 23 00-0245 MLF 2-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	1,090.44 216.78	433.56
27 15 23 00-0246 MLF 4-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	1,377.52 216.78	433.56
27 15 23 00-0247 MLF 6-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Aluminum Armored Cable, Add</i> <i>For Steel Armored Cable, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,411.11 1,256.02 5,330.15 216.78	433.56
27 15 23 00-0248 MLF 8-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	1,580.22 216.78	433.56
27 15 23 00-0249 MLF 12-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Aluminum Armored Cable, Add</i> <i>For Steel Armored Cable, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,611.85 1,326.10 5,700.76 216.78	433.56
27 15 23 00-0250 MLF 18-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	3,711.95 243.87	487.75
27 15 23 00-0251 MLF 24-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Aluminum Armored Cable With Sub-Units, Add</i> <i>For Steel Armored Cable, Add</i> <i>For Work In Restricted Working Space, Add</i>	4,799.09 1,084.57 5,568.60 243.87	487.75
27 15 23 00-0252 MLF 36-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	7,676.62 243.87	487.75
27 15 23 00-0253 MLF 48-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Aluminum Armored Cable With Sub-Units, Add</i> <i>For Steel Armored Cable, Add</i> <i>For Work In Restricted Working Space, Add</i>	7,879.32 1,662.87 6,680.57 243.87	487.75
27 15 23 00-0254 MLF 60-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	9,528.87 243.87	487.75
27 15 23 00-0255 MLF 72-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	11,290.08 243.87	487.75
27 15 23 00-0256 MLF 96-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	14,950.21 243.87	487.75
<b>27 15 23 00-0257 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed</b> <small>(27 15 23 00-0242)</small>		
27 15 23 00-0258 MLF 1-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	1,038.39 216.78	433.56
27 15 23 00-0259 MLF 2-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	1,695.46 216.78	433.56
27 15 23 00-0260 MLF 4-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	2,291.44 216.78	433.56
27 15 23 00-0261 MLF 6-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Aluminum Armored Cable, Add</i> <i>For Steel Armored Cable, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,899.38 -375.41 -39.23 216.78	433.56
27 15 23 00-0262 MLF 8-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	3,481.90 216.78	433.56
27 15 23 00-0263 MLF 12-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Aluminum Armored Cable, Add</i> <i>For Steel Armored Cable, Add</i> <i>For Work In Restricted Working Space, Add</i>	3,988.02 -744.87 -363.26 216.78	433.56
27 15 23 00-0264 MLF 18-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	5,074.51 243.87	487.75
27 15 23 00-0265 MLF 24-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Aluminum Armored Cable With Sub-Units, Add</i> <i>For Steel Armored Cable, Add</i> <i>For Work In Restricted Working Space, Add</i>	9,397.43 2,550.22 5,947.85 243.87	487.75

**27 Communications****27 10 Structured Cabling****27 15 Communications Horizontal Cabling**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0266 MLF 36-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	13,689.69	487.75
<i>For Work In Restricted Working Space, Add</i>	243.87	
27 15 23 00-0267 MLF 48-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	17,981.95	487.75
<i>For Aluminum Armored Cable With Sub-Units, Add</i>	7,572.77	
<i>For Work In Restricted Working Space, Add</i>	243.87	
27 15 23 00-0268 MLF 60-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	22,274.21	487.75
<i>For Work In Restricted Working Space, Add</i>	243.87	
27 15 23 00-0269 MLF 72-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	26,566.47	487.75
<i>For Work In Restricted Working Space, Add</i>	243.87	
<i>For Work In Restricted Working Space, Add</i>	243.87	
27 15 23 00-0270 MLF 96-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	35,181.65	487.75
<i>For Work In Restricted Working Space, Add</i>	243.87	
<i>For Aluminum Armored Cable With Sub-Units, Add</i>	15,145.55	
<i>For Work In Restricted Working Space, Add</i>	243.87	
<b>27 15 23 00-0271 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed</b> <small>(27 15 23 00-0242)</small>		
27 15 23 00-0272 MLF 1-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	1,054.18	433.56
<i>For Work In Restricted Working Space, Add</i>	216.78	
27 15 23 00-0273 MLF 2-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	1,744.11	433.56
<i>For Work In Restricted Working Space, Add</i>	216.78	
27 15 23 00-0274 MLF 4-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	2,369.88	433.56
<i>For Work In Restricted Working Space, Add</i>	216.78	
27 15 23 00-0275 MLF 6-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	3,008.22	433.56
<i>For Work In Restricted Working Space, Add</i>	216.78	
27 15 23 00-0276 MLF 8-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	3,619.87	433.56
<i>For Work In Restricted Working Space, Add</i>	216.78	
27 15 23 00-0277 MLF 12-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	4,151.29	433.56
<i>For Work In Restricted Working Space, Add</i>	216.78	
27 15 23 00-0278 MLF 18-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	5,287.59	487.75
<i>For Work In Restricted Working Space, Add</i>	243.87	
27 15 23 00-0279 MLF 24-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	9,826.66	487.75
<i>For Work In Restricted Working Space, Add</i>	243.87	
27 15 23 00-0280 MLF 36-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	14,333.53	487.75
<i>For Work In Restricted Working Space, Add</i>	243.87	
27 15 23 00-0281 MLF 48-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	18,840.40	487.75
<i>For Work In Restricted Working Space, Add</i>	243.87	
27 15 23 00-0282 MLF 60-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	23,347.27	487.75
<i>For Work In Restricted Working Space, Add</i>	243.87	
27 15 23 00-0283 MLF 72-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	27,854.15	487.75
<i>For Work In Restricted Working Space, Add</i>	243.87	
27 15 23 00-0284 MLF 96-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	36,900.09	487.75
<i>For Work In Restricted Working Space, Add</i>	243.87	
<b>27 15 23 00-0285 Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed</b> <small>(27 15 23 00-0241)</small>		
<b>27 15 23 00-0286 Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed</b> <small>(27 15 23 00-0285)</small>		
27 15 23 00-0287 MLF 2-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	2,835.02	433.56
<i>For Work In Restricted Working Space, Add</i>	216.78	
27 15 23 00-0288 MLF 4-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	3,234.54	433.56
<i>For Work In Restricted Working Space, Add</i>	216.78	
27 15 23 00-0289 MLF 6-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	4,194.99	433.56
<i>For Work In Restricted Working Space, Add</i>	216.78	
27 15 23 00-0290 MLF 8-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	5,136.26	433.56
<i>For Work In Restricted Working Space, Add</i>	216.78	
27 15 23 00-0291 MLF 12-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	6,638.52	433.56
<i>For Work In Restricted Working Space, Add</i>	216.78	
27 15 23 00-0292 MLF 18-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	9,415.91	487.75
<i>For Work In Restricted Working Space, Add</i>	243.87	
27 15 23 00-0293 MLF 24-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	13,552.73	487.75
<i>For Work In Restricted Working Space, Add</i>	243.87	





<b>Communications</b>	<b>27</b>	<b>27</b>
<b>Structured Cabling</b>	<b>27 10</b>	
<b>Communications Horizontal Cabling</b>	<b>27 15</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0294 MLF 36-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	16,382.63 243.87	487.75
27 15 23 00-0295 MLF 48-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	20,426.93 243.87	487.75
<b>27 15 23 00-0296 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed</b> <small>(27 15 23 00-0285)</small>		
27 15 23 00-0297 MLF 2-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	6,221.86 216.78	433.56
27 15 23 00-0298 MLF 4-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	7,827.81 216.78	433.56
27 15 23 00-0299 MLF 6-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	10,694.37 216.78	433.56
27 15 23 00-0300 MLF 8-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	12,155.33 216.78	433.56
27 15 23 00-0301 MLF 12-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	14,421.74 216.78	433.56
27 15 23 00-0302 MLF 18-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	19,760.17 243.87	487.75
27 15 23 00-0303 MLF 24-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	23,265.75 243.87	487.75
27 15 23 00-0304 MLF 36-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	25,699.71 243.87	487.75
27 15 23 00-0305 MLF 48-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	41,282.79 243.87	487.75
<b>27 15 23 00-0306 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed</b> <small>(27 15 23 00-0285)</small>		
27 15 23 00-0307 MLF 2-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	6,496.83 216.78	433.56
27 15 23 00-0308 MLF 4-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	8,183.07 216.78	433.56
27 15 23 00-0309 MLF 6-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	11,192.96 216.78	433.56
27 15 23 00-0310 MLF 8-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	12,726.97 216.78	433.56
27 15 23 00-0311 MLF 12-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	15,106.69 216.78	433.56
27 15 23 00-0312 MLF 18-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	20,707.54 243.87	487.75
27 15 23 00-0313 MLF 24-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	24,388.39 243.87	487.75
27 15 23 00-0314 MLF 36-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	26,944.05 243.87	487.75
27 15 23 00-0315 MLF 48-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	43,306.28 243.87	487.75
<b>27 15 23 00-0316 Hybrid, Indoor Fiber Optic Cable, Installed In Conduit</b> <small>(27 15 23 00-0001)</small> Note: Singlemode and multimode combination cable. Excludes conduit or innerduct.		
<b>27 15 23 00-0317 Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit</b> <small>(27 15 23 00-0316)</small>		
27 15 23 00-0318 MLF 6-Fiber, 2 Singlemode/4 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit	1,257.50	325.16
27 15 23 00-0319 MLF 12-Fiber, 6 Singlemode/6 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit	2,225.26	325.16
27 15 23 00-0320 MLF 24-Fiber, 12 Singlemode/12 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit	5,295.45	379.36
27 15 23 00-0321 MLF 48-Fiber, 24 Singlemode/24 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit	8,440.46	379.36
<b>27 15 23 00-0322 Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit</b> <small>(27 15 23 00-0316)</small>		
27 15 23 00-0323 MLF 6-Fiber, 2 Singlemode/4 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit	1,525.23	325.16

**27 Communications****27 10 Structured Cabling****27 15 Communications Horizontal Cabling**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0324 MLF 12-Fiber, 6 Singlemode/6 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit.....	2,262.93	325.16
27 15 23 00-0325 MLF 24-Fiber, 12 Singlemode/12 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit.....	6,315.31	379.36
27 15 23 00-0326 MLF 48-Fiber, 24 Singlemode/24 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit.....	11,010.35	379.36
<b>27 15 23 00-0327 Hybrid, Indoor Fiber Optic Cable, Installed Exposed</b> <small>(27 15 23 00-0001)</small> Note: Singlemode and multimode combination cable. For non-conduit installations such as cable trays, surface runways, etc.		
<b>27 15 23 00-0328 Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed</b> <small>(27 15 23 00-0327)</small>		
27 15 23 00-0329 MLF 6-Fiber, 2 Singlemode/4 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	1,438.15 216.78	433.56
27 15 23 00-0330 MLF 12-Fiber, 6 Singlemode/6 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	2,405.91 216.78	433.56
27 15 23 00-0331 MLF 24-Fiber, 12 Singlemode/12 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	5,476.09 243.87	487.75
27 15 23 00-0332 MLF 48-Fiber, 24 Singlemode/24 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	8,621.10 243.87	487.75
<b>27 15 23 00-0333 Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed</b> <small>(27 15 23 00-0327)</small>		
27 15 23 00-0334 MLF 6-Fiber, 2 Singlemode/4 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	1,705.88 216.78	433.56
27 15 23 00-0335 MLF 12-Fiber, 6 Singlemode/6 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	2,443.58 216.78	433.56
27 15 23 00-0336 MLF 24-Fiber, 12 Singlemode/12 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	6,495.95 243.87	487.75
27 15 23 00-0337 MLF 48-Fiber, 24 Singlemode/24 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	11,190.99 243.87	487.75
<b>27 15 23 00-0338 Outdoor Fiber Optic Cable</b> <small>(27 15 23)</small> Note: Cable buried in trench excludes excavation.		
<b>27 15 23 00-0339 Outdoor Fiber Optic Cable, Installed In Conduit</b> <small>(27 15 23 00-0338)</small> Note: Excludes conduit or innerduct.		
<b>27 15 23 00-0340 Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit</b> <small>(27 15 23 00-0339)</small>		
<b>27 15 23 00-0341 Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit</b> <small>(27 15 23 00-0340)</small>		
27 15 23 00-0342 MLF 2-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,608.23 256.12	650.33
27 15 23 00-0343 MLF 4-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,640.12 258.24	650.33
27 15 23 00-0344 MLF 6-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,672.05 260.29	650.33
27 15 23 00-0345 MLF 8-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,703.95 262.79	650.33
27 15 23 00-0346 MLF 12-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,767.36 237.79	650.33
27 15 23 00-0347 MLF 18-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,897.05 264.93	650.33
27 15 23 00-0348 MLF 24-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,963.72 208.56	650.33
27 15 23 00-0349 MLF 36-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,984.28 243.78	650.33
27 15 23 00-0350 MLF 48-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,365.83 268.20	650.33
27 15 23 00-0351 MLF 60-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,576.18 268.17	650.33
27 15 23 00-0352 MLF 72-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,849.09 316.96	650.33
27 15 23 00-0353 MLF 96-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,329.55 304.31	650.33
27 15 23 00-0354 MLF 120-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,854.52 369.52	650.33
27 15 23 00-0355 MLF 144-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,403.96 247.36	650.33



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>27 15 23 00-0356</b> <b>50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit</b> <sup>(27 15 23 00-0340)</sup>		
27 15 23 00-0357     MLF 2-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	2,482.49	650.33
For Corrugated Coated Steel Tape Armored Cable, Add	-4.10	
27 15 23 00-0358     MLF 4-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	2,561.87	650.33
For Corrugated Coated Steel Tape Armored Cable, Add	41.65	
27 15 23 00-0359     MLF 6-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	2,728.19	650.33
For Corrugated Coated Steel Tape Armored Cable, Add	107.74	
27 15 23 00-0360     MLF 8-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	2,954.99	650.33
For Corrugated Coated Steel Tape Armored Cable, Add	-65.42	
27 15 23 00-0361     MLF 12-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	3,049.49	650.33
For Corrugated Coated Steel Tape Armored Cable, Add	-34.76	
27 15 23 00-0362     MLF 18-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	3,370.79	650.33
For Corrugated Coated Steel Tape Armored Cable, Add	-16.39	
27 15 23 00-0363     MLF 24-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	4,051.19	650.33
For Corrugated Coated Steel Tape Armored Cable, Add	-88.94	
27 15 23 00-0364     MLF 36-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	5,052.89	650.33
For Corrugated Coated Steel Tape Armored Cable, Add	-0.08	
27 15 23 00-0365     MLF 48-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	6,167.99	650.33
For Corrugated Coated Steel Tape Armored Cable, Add	-203.39	
27 15 23 00-0366     MLF 60-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	6,942.89	650.33
For Corrugated Coated Steel Tape Armored Cable, Add	-102.28	
27 15 23 00-0367     MLF 72-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	7,944.59	650.33
For Corrugated Coated Steel Tape Armored Cable, Add	469.28	
27 15 23 00-0368     MLF 96-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	10,269.29	650.33
For Corrugated Coated Steel Tape Armored Cable, Add	-210.64	
27 15 23 00-0369     MLF 120-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	12,575.09	650.33
For Corrugated Coated Steel Tape Armored Cable, Add	-281.69	
27 15 23 00-0370     MLF 144-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	14,880.89	650.33
For Corrugated Coated Steel Tape Armored Cable, Add	-334.85	
<b>27 15 23 00-0371</b> <b>62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit</b> <sup>(27 15 23 00-0340)</sup>		
27 15 23 00-0372     MLF 2-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	1,386.98	650.33
For Corrugated Coated Steel Tape Armored Cable, Add	109.53	
27 15 23 00-0373     MLF 4-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	1,492.29	650.33
For Corrugated Coated Steel Tape Armored Cable, Add	117.46	
27 15 23 00-0374     MLF 6-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	1,597.43	650.33
For Corrugated Coated Steel Tape Armored Cable, Add	125.19	
27 15 23 00-0375     MLF 8-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	1,727.32	650.33
For Corrugated Coated Steel Tape Armored Cable, Add	142.53	
27 15 23 00-0376     MLF 12-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	1,913.33	650.33
For Corrugated Coated Steel Tape Armored Cable, Add	148.62	
27 15 23 00-0377     MLF 18-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	2,242.20	650.33
For Corrugated Coated Steel Tape Armored Cable, Add	158.40	
27 15 23 00-0378     MLF 24-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	2,553.73	650.33
For Corrugated Coated Steel Tape Armored Cable, Add	182.15	
27 15 23 00-0379     MLF 36-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	3,149.96	650.33
For Corrugated Coated Steel Tape Armored Cable, Add	202.42	
27 15 23 00-0380     MLF 48-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	3,847.33	650.33
For Corrugated Coated Steel Tape Armored Cable, Add	232.74	
27 15 23 00-0381     MLF 60-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	4,491.44	650.33
For Corrugated Coated Steel Tape Armored Cable, Add	250.44	
27 15 23 00-0382     MLF 72-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	5,171.28	650.33
For Corrugated Coated Steel Tape Armored Cable, Add	283.46	
27 15 23 00-0383     MLF 96-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	6,546.26	650.33
For Corrugated Coated Steel Tape Armored Cable, Add	318.71	
27 15 23 00-0384     MLF 120-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	7,943.31	650.33
For Corrugated Coated Steel Tape Armored Cable, Add	361.70	
27 15 23 00-0385     MLF 144-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	9,361.93	650.33
For Corrugated Coated Steel Tape Armored Cable, Add	332.24	
<b>27 15 23 00-0386</b> <b>Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit</b> <sup>(27 15 23 00-0339)</sup>		
<b>27 15 23 00-0387</b> <b>Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit</b> <sup>(27 15 23 00-0386)</sup>		
27 15 23 00-0388     MLF 2-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	1,790.83	650.33
For Corrugated Coated Steel Tape Armored Cable, Add	202.40	
27 15 23 00-0389     MLF 4-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	1,853.01	650.33
For Corrugated Coated Steel Tape Armored Cable, Add	290.50	
27 15 23 00-0390     MLF 6-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	1,871.67	650.33
For Corrugated Coated Steel Tape Armored Cable, Add	278.41	
27 15 23 00-0391     MLF 8-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	1,946.16	650.33
For Corrugated Coated Steel Tape Armored Cable, Add	231.76	
27 15 23 00-0392     MLF 12-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	1,969.40	650.33
For Corrugated Coated Steel Tape Armored Cable, Add	277.00	
27 15 23 00-0393     MLF 18-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	2,073.79	650.33
For Corrugated Coated Steel Tape Armored Cable, Add	262.71	
27 15 23 00-0394     MLF 24-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit.....	2,167.38	650.33
For Corrugated Coated Steel Tape Armored Cable, Add	265.83	

**27 Communications****27 10 Structured Cabling****27 15 Communications Horizontal Cabling**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0395 MLF 36-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,316.69 337.10	650.33
27 15 23 00-0396 MLF 48-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,527.04 341.50	650.33
27 15 23 00-0397 MLF 60-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,736.57 353.79	650.33
27 15 23 00-0398 MLF 72-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,020.65 304.32	650.33
27 15 23 00-0399 MLF 96-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,480.16 396.88	650.33
27 15 23 00-0400 MLF 120-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,081.32 390.80	650.33
27 15 23 00-0401 MLF 144-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,573.26 312.17	650.33
<b>27 15 23 00-0402 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit (27 15 23 00-0396)</b>		
27 15 23 00-0403 MLF 2-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,000.45 286.42	650.33
27 15 23 00-0404 MLF 4-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,218.13 160.40	650.33
27 15 23 00-0405 MLF 6-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,504.56 34.37	650.33
27 15 23 00-0406 MLF 8-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,642.04 57.28	650.33
27 15 23 00-0407 MLF 12-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,779.53 57.28	650.33
27 15 23 00-0408 MLF 18-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,100.32 68.74	650.33
27 15 23 00-0409 MLF 24-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,386.75 263.51	650.33
27 15 23 00-0410 MLF 36-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,005.43 515.56	650.33
27 15 23 00-0411 MLF 48-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,624.10 859.28	650.33
27 15 23 00-0412 MLF 60-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	5,139.67 945.20	650.33
27 15 23 00-0413 MLF 72-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	5,815.63 1,202.98	650.33
27 15 23 00-0414 MLF 96-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	7,224.84 1,775.84	650.33
27 15 23 00-0415 MLF 120-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	7,935.18 1,340.47	650.33
27 15 23 00-0416 MLF 144-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	9,756.84 3,265.24	650.33
<b>27 15 23 00-0417 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit (27 15 23 00-0396)</b>		
27 15 23 00-0418 MLF 2-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,458.09 137.48	650.33
27 15 23 00-0419 MLF 4-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,561.20 148.62	650.33
27 15 23 00-0420 MLF 6-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,664.14 159.74	650.33
27 15 23 00-0421 MLF 8-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,767.26 170.86	650.33
27 15 23 00-0422 MLF 12-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,034.36 183.77	650.33
27 15 23 00-0423 MLF 18-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,296.28 215.35	650.33
27 15 23 00-0424 MLF 24-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,617.23 233.91	650.33
27 15 23 00-0425 MLF 36-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,238.44 289.00	650.33
27 15 23 00-0426 MLF 48-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,871.26 331.12	650.33
27 15 23 00-0427 MLF 60-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,506.27 368.72	650.33
27 15 23 00-0428 MLF 72-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	5,173.97 411.18	650.33
27 15 23 00-0429 MLF 96-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	6,528.90 484.83	650.33
27 15 23 00-0430 MLF 120-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	8,277.74 501.20	650.33
27 15 23 00-0431 MLF 144-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	9,302.63 517.40	650.33
<b>27 15 23 00-0432 Outdoor Fiber Optic Cable, Buried In Trench (27 15 23 00-0338)</b> Note: Excludes trenching.		



<b>Communications</b>	<b>27</b>	<b>27</b>
<b>Structured Cabling</b>	<b>27 10</b>	
<b>Communications Horizontal Cabling</b>	<b>27 15</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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27 15 23 00-0433	Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <sup>(27 15 23 00-0433)</sup>	
27 15 23 00-0434	Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <sup>(27 15 23 00-0433)</sup>	
27 15 23 00-0435	MLF 2-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,517.90 256.12
27 15 23 00-0436	MLF 4-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,549.79 258.24
27 15 23 00-0437	MLF 6-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,581.72 260.29
27 15 23 00-0438	MLF 8-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,613.62 262.79
27 15 23 00-0439	MLF 12-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,677.03 237.79
27 15 23 00-0440	MLF 18-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,806.72 264.93
27 15 23 00-0441	MLF 24-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,873.39 208.56
27 15 23 00-0442	MLF 36-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,893.95 243.78
27 15 23 00-0443	MLF 48-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,275.50 268.20
27 15 23 00-0444	MLF 60-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,754.02 268.17
27 15 23 00-0445	MLF 72-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,075.72 316.96
27 15 23 00-0446	MLF 96-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,239.22 304.31
27 15 23 00-0447	MLF 120-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,764.19 369.52
27 15 23 00-0448	MLF 144-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,313.63 247.36
27 15 23 00-0449	50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <sup>(27 15 23 00-0433)</sup>	
27 15 23 00-0450	MLF 2-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,392.16 -4.10
27 15 23 00-0451	MLF 4-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,471.54 41.65
27 15 23 00-0452	MLF 6-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,637.86 107.74
27 15 23 00-0453	MLF 8-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,864.66 -65.42
27 15 23 00-0454	MLF 12-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,959.16 -34.76
27 15 23 00-0455	MLF 18-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,280.46 -16.39
27 15 23 00-0456	MLF 24-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,960.86 -88.94
27 15 23 00-0457	MLF 36-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,962.56 -0.08
27 15 23 00-0458	MLF 48-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	6,077.66 -203.39
27 15 23 00-0459	MLF 60-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	6,852.56 -102.28
27 15 23 00-0460	MLF 72-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	7,854.26 469.28
27 15 23 00-0461	MLF 96-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	10,178.96 -210.64
27 15 23 00-0462	MLF 120-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	12,484.76 -281.69
27 15 23 00-0463	MLF 144-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	14,790.56 -334.85
27 15 23 00-0464	62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <sup>(27 15 23 00-0433)</sup>	
27 15 23 00-0465	MLF 2-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,296.65 109.53
27 15 23 00-0466	MLF 4-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,401.96 117.46
27 15 23 00-0467	MLF 6-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,507.10 125.19
27 15 23 00-0468	MLF 8-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,636.99 142.53
27 15 23 00-0469	MLF 12-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,823.00 148.62
27 15 23 00-0470	MLF 18-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,151.87 158.40
27 15 23 00-0471	MLF 24-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,463.40 182.15

**27 Communications****27 10 Structured Cabling****27 15 Communications Horizontal Cabling**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0472 MLF 36-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,059.63 202.42	
27 15 23 00-0473 MLF 48-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,757.00 232.74	
27 15 23 00-0474 MLF 60-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,401.11 250.44	
27 15 23 00-0475 MLF 72-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	5,080.95 283.46	
27 15 23 00-0476 MLF 96-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	6,455.93 318.71	
27 15 23 00-0477 MLF 120-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	7,852.98 361.70	
27 15 23 00-0478 MLF 144-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	9,271.60 332.24	
<b>27 15 23 00-0479 Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench</b> <small>(27 15 23 00-0432)</small>		
<b>27 15 23 00-0480 Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench</b> <small>(27 15 23 00-0479)</small>		
27 15 23 00-0481 MLF 2-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,700.50 202.40	
27 15 23 00-0482 MLF 4-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,762.68 290.50	
27 15 23 00-0483 MLF 6-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,781.34 278.41	
27 15 23 00-0484 MLF 8-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,855.83 231.76	
27 15 23 00-0485 MLF 12-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,879.07 277.00	
27 15 23 00-0486 MLF 18-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,983.46 262.71	
27 15 23 00-0487 MLF 24-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,077.05 265.83	
27 15 23 00-0488 MLF 36-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,226.36 337.10	
27 15 23 00-0489 MLF 48-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,436.71 341.50	
27 15 23 00-0490 MLF 60-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,646.24 353.79	
27 15 23 00-0491 MLF 72-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,930.32 304.32	
27 15 23 00-0492 MLF 96-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,389.83 396.88	
27 15 23 00-0493 MLF 120-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,990.99 390.80	
27 15 23 00-0494 MLF 144-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,482.93 312.17	
<b>27 15 23 00-0495 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench</b> <small>(27 15 23 00-0479)</small>		
27 15 23 00-0496 MLF 2-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,910.12 286.42	
27 15 23 00-0497 MLF 4-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,127.80 160.40	
27 15 23 00-0498 MLF 6-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,414.23 34.37	
27 15 23 00-0499 MLF 8-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,551.71 57.28	
27 15 23 00-0500 MLF 12-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,689.20 57.28	
27 15 23 00-0501 MLF 18-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,009.99 68.74	
27 15 23 00-0502 MLF 24-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,296.42 263.51	
27 15 23 00-0503 MLF 36-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,915.10 515.56	
27 15 23 00-0504 MLF 48-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,533.77 859.28	
27 15 23 00-0505 MLF 60-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	5,049.34 945.20	
27 15 23 00-0506 MLF 72-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	5,725.30 1,202.98	
27 15 23 00-0507 MLF 96-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	7,134.51 1,775.84	
27 15 23 00-0508 MLF 120-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	7,844.85 1,340.47	
27 15 23 00-0509 MLF 144-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	9,666.51 3,265.24	



<b>Communications</b>	<b>27</b>	<b>27</b>
<b>Structured Cabling</b>	<b>27 10</b>	
<b>Communications Horizontal Cabling</b>	<b>27 15</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>27 15 23 00-0510    62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench</b> <small>(27 15 23 00-0479)</small>		
27 15 23 00-0511    MLF 2-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,367.76 137.48	
27 15 23 00-0512    MLF 4-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,470.87 148.62	
27 15 23 00-0513    MLF 6-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,573.81 159.74	
27 15 23 00-0514    MLF 8-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,676.93 170.86	
27 15 23 00-0515    MLF 12-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	1,944.03 183.77	
27 15 23 00-0516    MLF 18-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,205.95 215.35	
27 15 23 00-0517    MLF 24-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,526.90 233.91	
27 15 23 00-0518    MLF 36-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,148.11 289.00	
27 15 23 00-0519    MLF 48-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,780.93 331.12	
27 15 23 00-0520    MLF 60-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,415.94 368.72	
27 15 23 00-0521    MLF 72-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	5,083.64 411.18	
27 15 23 00-0522    MLF 96-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	6,438.57 484.83	
27 15 23 00-0523    MLF 120-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	7,882.12 501.20	
27 15 23 00-0524    MLF 144-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	9,212.30 517.40	
<b>27 15 23 00-0525    (Aerial) Outdoor Fiber Optic Cable, Installed On Poles</b> <small>(27 15 23 00-0338)</small>		
<b>27 15 23 00-0526    Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles</b> <small>(27 15 23 00-0525)</small>		
<b>27 15 23 00-0527    Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles</b> <small>(27 15 23 00-0526)</small>		
27 15 23 00-0528    MLF 2-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	7,673.84 171.31	2,577.05
27 15 23 00-0529    MLF 4-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	7,705.52 175.74	2,577.05
27 15 23 00-0530    MLF 6-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	7,737.62 180.06	2,577.05
27 15 23 00-0531    MLF 8-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	7,769.31 176.61	2,577.05
27 15 23 00-0532    MLF 12-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	7,832.71 205.89	2,577.05
27 15 23 00-0533    MLF 18-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	7,957.89 214.05	2,577.05
27 15 23 00-0534    MLF 24-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	8,053.36 236.59	2,577.05
27 15 23 00-0535    MLF 36-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	8,280.34 226.85	2,577.05
27 15 23 00-0536    MLF 48-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	8,478.85 263.55	2,577.05
27 15 23 00-0537    MLF 60-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	8,642.95 252.72	2,577.05
27 15 23 00-0538    MLF 72-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	8,847.65 288.93	2,577.05
27 15 23 00-0539    MLF 96-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	9,384.90 293.46	2,577.05
27 15 23 00-0540    MLF 120-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	9,961.31 350.17	2,577.05
27 15 23 00-0541    MLF 144-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	10,099.50 376.01	2,577.05
<b>27 15 23 00-0542    Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit</b> <small>(27 15 23 00-0338)</small>		
<small>Note: Singlemode and multimode combination cable. Excludes conduit or innerduct.</small>		
<b>27 15 23 00-0543    Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit</b> <small>(27 15 23 00-0542)</small>		
27 15 23 00-0544    MLF 12-Fiber, 6 Singlemode/6 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit.....	3,297.08	541.94
27 15 23 00-0545    MLF 24-Fiber, 12 Singlemode/12 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit.....	4,224.65	541.94
27 15 23 00-0546    MLF 48-Fiber, 24 Singlemode/24 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit.....	6,290.96	541.94
<b>27 15 23 00-0547    Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit</b> <small>(27 15 23 00-0542)</small>		

**27 Communications**  
**27 10 Structured Cabling**  
**27 15 Communications Horizontal Cabling**



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0548 MLF 12-Fiber, 6 Singlemode/6 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit.....	4,480.16	541.94
27 15 23 00-0549 MLF 24-Fiber, 12 Singlemode/12 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit.....	5,007.28	541.94
27 15 23 00-0550 MLF 48-Fiber, 24 Singlemode/24 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit.....	7,313.07	541.94
<b>27 15 23 00-0551 Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench</b> (27 15 23 00-0338) Note: Singlemode and multimode combination cable. Excludes trenching.		
<b>27 15 23 00-0552 Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench</b> (27 15 23 00-0551)		
27 15 23 00-0553 MLF 12-Fiber, 6 Singlemode/6 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench.....	3,206.75	496.78
27 15 23 00-0554 MLF 24-Fiber, 12 Singlemode/12 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench.....	4,134.32	496.78
27 15 23 00-0555 MLF 48-Fiber, 24 Singlemode/24 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench.....	6,200.63	496.78
<b>27 15 23 00-0556 Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench</b> (27 15 23 00-0551)		
27 15 23 00-0557 MLF 12-Fiber, 6 Singlemode/6 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench.....	4,389.83	496.78
27 15 23 00-0558 MLF 24-Fiber, 12 Singlemode/12 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench.....	4,916.95	496.78
27 15 23 00-0559 MLF 48-Fiber, 24 Singlemode/24 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench.....	7,222.74	496.78
<b>27 15 23 00-0560 Network Communications Cabling And Related Products</b> (27 15 23)		
27 15 23 00-0561 EA AC Surge Suppression Assembly..... Note: Liebert AccuVar Transient Voltage Surge Protection (TVSS) device or Atlantic Scientific Zone Defender Pro Model # 16100. Includes testing.	493.95	11.29
27 15 23 00-0562 EA Single Mode Fiber Optic To Ethernet Media Converter..... Note: Transition Networks part no. J/E-PSW-FX-02(SM). Includes testing.	837.86	13.55
27 15 23 00-0563 EA 6' Long Single Mode Patch Cord With SC duplex Connectors At Both Ends..... Note: Includes testing.	43.79	1.45
27 15 23 00-0564 EA KVM (Keyboard, Video, Mouse) Cable..... Note: Raritan CCP40. Includes testing.	100.72	1.81
27 15 23 00-0565 EA 6' Long USB (Universal Serial Bus) Cable..... Note: Includes testing.	14.11	1.45
27 15 23 00-0566 EA 10' Long USB (Universal Serial Bus) Cable..... Note: Includes testing.	16.80	1.81
27 15 23 00-0567 EA 6' Long Category 6 Patch Cables With A RJ-45 Connectors At Each End..... Note: Includes testing.	18.64	1.45
27 15 23 00-0568 EA 10' Long Category 6 Patch Cables With A RJ-45 Connectors At Each End..... Note: Includes testing.	21.33	1.81
27 15 23 00-0569 EA 6' Long Single Mode Patch Cord With SC Connectors At Both Ends..... Note: Includes testing.	31.91	1.45
27 15 23 00-0570 EA 20' Long Single Mode Patch Cord With SC Duplex Connectors At Both Ends..... Note: Includes testing.	70.05	1.81
27 15 23 00-0571 EA 6' Long Single Mode Patch Cord With SC Duplex Connector At One End And SC Connectors At The Other..... Note: Includes testing.	55.99	1.45
27 15 23 00-0572 EA 20' Long Single Mode Patch Cord With SC Duplex Connector At One End And SC Connectors At The Other..... Note: Includes testing.	70.05	1.81
27 15 23 00-0573 EA 6' Long Single Mode Patch Cord With SC Duplex Connector At One End And FC Connectors At The Other..... Note: Includes testing.	106.04	1.45
27 15 23 00-0574 EA 6' Long Single Mode Patch Cord With SC Connectors At One End And FC Connectors At The Other..... Note: Includes testing.	106.04	1.45
27 15 23 00-0575 LF 6 Strand Dielectric Indoor / Outdoor Fiber Optic Cable..... Note: Corning part no. 006ESF-T4101D20. Includes testing.	0.93	
27 15 23 00-0576 LF 12 Strand Dielectric Indoor / Outdoor Fiber Optic Cable..... Note: Corning part no. 012ESF-T4101D20. Includes testing.	5.71	
27 15 23 00-0577 LF 24 Strand Dielectric Indoor / Outdoor Fiber Optic Cable..... Note: Corning part no. 024EW4-T4101D20. Includes testing.	6.96	
27 15 23 00-0578 LF 72 Strand Dielectric Indoor / Outdoor Fiber Optic Cable..... Note: Corning part no. 072EW4-T4101D20. Includes testing.	11.66	
27 15 23 00-0579 LF 144 Strand Dielectric Indoor / Outdoor Fiber Optic Cable..... Note: Corning part no. 144EW4-T4101D20. Includes testing.	18.09	
27 15 23 00-0580 LF 36 Strand Dielectric Indoor Plenum Rated Fiber Optic Cable..... Note: Corning part no. 036E81-61131-24. Includes testing.	12.52	
27 15 23 00-0581 LF 72 Strand Dielectric Indoor Plenum Rated Fiber Optic Cable..... Note: Corning part no. 072E81-T3131-24. Includes testing.	20.05	
27 15 23 00-0582 EA Aerial Storage Unit..... Note: Alcola part no. FSU-16. Includes testing.	126.71	9.04
27 15 23 00-0583 EA Spider Fan-Out Kits With SC Connectors..... Note: Corning part no. SFK-P-12-900-S.	156.47	9.04
27 15 23 00-0584 LF Ultraviolet Resistant Rated Category 6 Cable..... Note: Includes RJ 45 connectors at both ends. CommScope part no. 6NF4+. Includes testing.	1.27	0.16
27 15 23 00-0585 LF RG11 Coaxial Cable NEC CMR..... Note: Corning part no. SFK-P-12-900-S.	4.01	1.69
27 15 23 00-0586 LF Outdoor Rated UL Type CL2..... Note: Aluminum foil-polyester tape 100% shield coverage twisted (6 twists per foot) single pair 19 X 27 stranding tin copper coated #14 AWG conductor Audio, Control, and Instrumentation Cable with polyethylene insulation and PVC jacket. Belden 8720. Includes testing.	4.26	





<b>Communications</b>	<b>27</b>	<b>27</b>
<b>Structured Cabling</b>	<b>27 10</b>	
<b>Communications Horizontal Cabling</b>	<b>27 15</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0587 LF Indoor Plenum Rated UL Type CMP ..... Note: 100% aluminum foil shield coverage twisted (6 twists per foot) 4 pairs 7X32 stranding tin copper coated #24 AWG conductor Computer Cable with Fluorinated Ethylene Propylene insulation and plenum rated jacket. Belden 82504. Includes testing.	6.44	1.69
<b>27 15 33 Communications Coaxial Horizontal Cabling (27 15)</b> Note: Cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Cable installed exposed includes installation on exposed surfaces, uncovered wireways, cable trays, etc.		
27 15 33 00-0001 Indoor Coaxial Cable (27 15 33)		
27 15 33 00-0002 Coaxial, Indoor Telecommunications Cable (27 15 33 00-0001)		
27 15 33 00-0003 Coaxial, Indoor Telecommunications Cable, Installed In Conduit (27 15 33 00-0002)		
27 15 33 00-0004 MLF RG 59/U Coaxial, Indoor Telecommunications Cable, Installed In Conduit (Belden 9108).....	1,632.97	379.36
27 15 33 00-0005 MLF RG 59/U Plenum Coaxial, Indoor Telecommunications Cable, Installed In Conduit (Belden 82108).....	4,487.29	379.36
27 15 33 00-0006 MLF RG 6/U Coaxial, Indoor Telecommunications Cable, Installed In Conduit (Belden 9114).....	1,204.47	433.56
27 15 33 00-0007 MLF RG 6/U Plenum Coaxial, Indoor Telecommunications Cable, Installed In Conduit (Belden 82120) .....	5,702.00	433.56
27 15 33 00-0008 Coaxial, Indoor Telecommunications Cable, Installed Exposed (27 15 33 00-0002)		
27 15 33 00-0009 MLF RG 59/U Coaxial, Indoor Telecommunications Cable, Installed Exposed (Belden 9108)..... <i>For Work In Restricted Working Space, Add</i>	2,265.23 379.36	758.72
27 15 33 00-0010 MLF RG 59/U Plenum Coaxial, Indoor Telecommunications Cable, Installed Exposed (Belden 82108)..... <i>For Work In Restricted Working Space, Add</i>	5,119.55 379.36	758.72
27 15 33 00-0011 MLF RG 6/U Coaxial, Indoor Telecommunications Cable, Installed Exposed (Belden 9114)..... <i>For Work In Restricted Working Space, Add</i>	1,927.06 433.55	867.11
27 15 33 00-0012 MLF RG 6/U Plenum Coaxial, Indoor Telecommunications Cable, Installed Exposed (Belden 82120)..... <i>For Work In Restricted Working Space, Add</i>	6,424.59 433.55	867.11
27 15 33 00-0013 Coaxial Distribution Cable (27 15 33 00-0001) Note: Cables shall be as Belden, Times Fiber, West Penn or approved equal. For tasks installed in conduit, tasks exclude conduit.		
27 15 33 00-0014 MLF RG-6/U Coaxial Distribution Cable, Installed In Conduit.....	2,969.03	264.01
27 15 33 00-0015 MLF RG-6A/U Coaxial Distribution Cable, Installed In Conduit .....	12,570.61	264.01
27 15 33 00-0016 MLF RG-8/U Coaxial Distribution Cable, Installed In Conduit.....	6,312.14	278.86
27 15 33 00-0017 MLF RG-8A/U Coaxial Distribution Cable, Installed In Conduit .....	8,115.73	278.86
27 15 33 00-0018 MLF RG-11/U Coaxial Distribution Cable, Installed In Conduit.....	7,035.64	330.01
27 15 33 00-0019 MLF RG-11A/U Coaxial Distribution Cable, Installed In Conduit .....	10,523.64	330.01
27 15 33 00-0020 MLF RG-11/U Coaxial Distribution Cable, Plenum Rated, Installed Exposed.....	23,323.86	462.02
27 15 33 00-0021 MLF RG-58/U Coaxial Distribution Cable, Installed In Conduit.....	2,108.86	231.01
27 15 33 00-0022 MLF RG-58A/U Coaxial Distribution Cable, Installed In Conduit .....	2,466.25	231.01
27 15 33 00-0023 MLF RG-58C/U Coaxial Distribution Cable, Installed In Conduit .....	3,095.82	231.01
27 15 33 00-0024 MLF RG-58/U Coaxial Distribution Cable, Plenum Rated, Installed Exposed.....	7,785.62	462.02
27 15 33 00-0025 MLF RG-59/U Coaxial Distribution Cable, Installed In Conduit.....	3,778.57	231.01
27 15 33 00-0026 MLF RG-59/U Coaxial Distribution Cable, Plenum Rated, Installed Exposed.....	9,658.84	462.02
27 15 33 00-0027 MLF 1/2" Hard Line Coaxial, Installed In Conduit .....	2,860.28	330.01
27 15 33 00-0028 Outdoor Coaxial Cable (27 15 33)		
27 15 33 00-0029 Coaxial Cables "Television" Copper Covered Aluminum Center Core (27 15 33 00-0028) Note: Corrugated steel armor jacket.		
27 15 33 00-0030 MLF TV Coaxial Trunk Cable 3/4" Diameter, Direct Burial.....	7,062.14	1,235.25
27 15 33 00-0031 MLF TV Coaxial Distribution Cable 1/2" Diameter, Direct Burial .....	4,210.67	868.85
27 15 33 00-0032 MLF TV Coaxial Distribution Cable 3/8" Diameter, Direct Burial .....	4,152.44	512.60
27 15 33 00-0033 MLF TV Coaxial Cable Drop 1/4" Diameter, Direct Burial .....	1,648.94	512.60
27 15 33 00-0034 MLF 1/4" Diameter, TV Coaxial Cable Drop, Installed In Conduit.....	2,369.82	800.95
<b>27 15 43 Communications Faceplates and Connectors (27 15)</b>		
27 15 43 00-0001 Wall Mounted Telephone Faceplates (27 15 43) Note: Includes standard telephone mounting studs.		
27 15 43 00-0002 Plastic Faceplates For Wall Mounted Telephones (27 15 43 00-0001)		
27 15 43 00-0003 EA Single Gang, 6-Position RJ25 Jack, Flush, Plastic Faceplate For Wall Mounted Telephones.....	35.57	11.29
27 15 43 00-0004 Stainless Steel Faceplates For Wall Mounted Telephones (27 15 43 00-0001)		
27 15 43 00-0005 EA Single Gang, Keystone Opening, Flush, Stainless Steel Faceplate For Wall Mounted Telephones..... Note: Requires one snap-in modular jack.	28.79	4.51
27 15 43 00-0006 EA Single Gang, 6-Position RJ25 Jack, Flush, Stainless Steel Faceplate For Wall Mounted Telephones.....	49.26	11.29
27 15 43 00-0007 EA Single Gang, 8-Position RJ45 Jack, Flush, Stainless Steel Faceplate For Wall Mounted Telephones.....	57.24	13.55
27 15 43 00-0008 EA Single Gang, Keystone Opening, Recessed, Stainless Steel Faceplate For Wall Mounted Telephones..... Note: Requires one snap-in modular jack.	27.64	4.51
27 15 43 00-0009 EA Single Gang, 6-Position RJ25 Jack, Recessed, Stainless Steel Faceplate For Wall Mounted Telephones .....	44.38	11.29
27 15 43 00-0010 EA Single Gang, 8-Position RJ45 Jack, Recessed, Stainless Steel Faceplate For Wall Mounted Telephones .....	52.49	13.55

**27 Communications****27 10 Structured Cabling****27 15 Communications Horizontal Cabling**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>27 15 43 00-0011 Plastic Communications Faceplates</b> <small>(27 15 43)</small>		
Note: Excludes modular jacks. See CSI section 27 15 43 00-0051 for modular jacks.		
27 15 43 00-0012 EA One Port, Single Gang, Plastic Communication Faceplate With Station ID .....	7.69	2.26
27 15 43 00-0013 EA Two Port, Single Gang, Plastic Communication Faceplate With Station ID .....	7.69	2.26
27 15 43 00-0014 EA Three Port, Single Gang, Plastic Communication Faceplate With Station ID .....	7.69	2.26
27 15 43 00-0015 EA Four Port, Single Gang, Plastic Communication Faceplate With Station ID .....	7.69	2.26
27 15 43 00-0016 EA Six Port, Single Gang, Plastic Communication Faceplate With Station ID .....	7.69	2.26
27 15 43 00-0017 EA Four Port, Double Gang, Plastic Communications Faceplate With Station ID .....	15.42	2.26
27 15 43 00-0018 EA Six Port, Double Gang, Plastic Communication Faceplate With Station ID .....	15.42	2.26
27 15 43 00-0019 EA Eight Port, Double Gang, Plastic Communication Faceplate With Station ID .....	15.42	2.26
27 15 43 00-0020 EA Nine Port, Double Gang, Plastic Communication Faceplate With Station ID .....	15.42	2.26
27 15 43 00-0021 EA Twelve Port, Double Gang, Plastic Communication Faceplate With Station ID .....	15.42	2.26
<b>27 15 43 00-0022 Stainless Steel Communications Faceplates</b> <small>(27 15 43)</small>		
Note: Excludes modular jacks. See CSI section 27 15 43 00-0051 for modular jacks.		
<b>27 15 43 00-0023 Stainless Steel Communications Faceplates</b> <small>(27 15 43 00-0022)</small>		
27 15 43 00-0024 EA One Port, Single Gang, Stainless Steel Communications Faceplate .....	15.38	2.26
27 15 43 00-0025 EA Two Port, Single Gang, Stainless Steel Communications Faceplate .....	15.38	2.26
27 15 43 00-0026 EA Three Port, Single Gang, Stainless Steel Communications Faceplate .....	15.38	2.26
27 15 43 00-0027 EA Four Port, Single Gang, Stainless Steel Communications Faceplate .....	16.51	2.26
27 15 43 00-0028 EA Six Port, Single Gang, Stainless Steel Communications Faceplate .....	16.51	2.26
27 15 43 00-0029 EA Four Port, Double Gang, Stainless Steel Communications Faceplate .....	22.58	2.26
27 15 43 00-0030 EA Six Port, Double Gang, Stainless Steel Communications Faceplate .....	23.28	2.26
27 15 43 00-0031 EA Eight Port, Double Gang, Stainless Steel Communications Faceplate .....	27.09	2.26
27 15 43 00-0032 EA Nine Port, Double Gang, Stainless Steel Communication Faceplate .....	27.09	2.26
27 15 43 00-0033 EA Twelve Port, Double Gang, Stainless Steel Communications Faceplate .....	27.09	2.26
<b>27 15 43 00-0034 Stainless Steel Communications Faceplates With Station ID</b> <small>(27 15 43 00-0022)</small>		
27 15 43 00-0035 EA One Port, Single Gang, Stainless Steel Communications Faceplate With Station ID .....	22.44	2.26
27 15 43 00-0036 EA Two Port, Single Gang, Stainless Steel Communications Faceplate With Station ID .....	22.44	2.26
27 15 43 00-0037 EA Three Port, Single Gang, Stainless Steel Communications Faceplate With Station ID .....	22.44	2.26
27 15 43 00-0038 EA Four Port, Single Gang, Stainless Steel Communications Faceplate With Station ID .....	22.44	2.26
27 15 43 00-0039 EA Six Port, Single Gang, Stainless Steel Communications Faceplate With Station ID .....	22.44	2.26
27 15 43 00-0040 EA Four Port, Double Gang, Stainless Steel Communications Faceplate With Station ID .....	49.38	2.26
27 15 43 00-0041 EA Six Port, Double Gang, Stainless Steel Communications Faceplate With Station ID .....	49.38	2.26
27 15 43 00-0042 EA Eight Port, Double Gang, Stainless Steel Communications Faceplate With Station ID .....	49.38	2.26
27 15 43 00-0043 EA Nine Port, Double Gang, Stainless Steel Communication Faceplate With Station ID .....	49.38	2.26
27 15 43 00-0044 EA Twelve Port, Double Gang, Stainless Steel Communications Faceplate With Station ID .....	49.38	2.26
<b>27 15 43 00-0045 Surface Mount Plastic Communication Boxes</b> <small>(27 15 43)</small>		
Note: Excludes modular jacks. See CSI section 27 15 43 00-0051 for modular jacks.		
27 15 43 00-0046 EA One Port, Surface Mount Plastic Communication Box With Station ID .....	26.65	11.32
27 15 43 00-0047 EA Two Port, Surface Mount Plastic Communication Box With Station ID .....	27.36	11.32
27 15 43 00-0048 EA Four Port, Surface Mount Plastic Communication Box With Station ID .....	32.22	11.32
27 15 43 00-0049 EA Six Port, Surface Mount Plastic Communication Box With Station ID .....	38.01	11.32
27 15 43 00-0050 EA Twelve Port, Surface Mount Plastic Communication Box With Station ID .....	44.07	11.32
<b>27 15 43 00-0051 Snap-In Modular Jacks</b> <small>(27 15 43)</small>		
Note: Includes termination.		
27 15 43 00-0052 EA Cat 3, Snap-In Modular Jack .....	26.14	9.06
27 15 43 00-0053 EA Category 5E, Snap-In Modular Jack .....	27.69	9.06
27 15 43 00-0054 EA Category 5E Shielded, Snap-In Modular Jack .....	32.35	9.06
27 15 43 00-0055 EA Cat 6, Snap-In Modular Jack .....	32.35	9.06
27 15 43 00-0056 EA Cat 6 Shielded, Snap-In Modular Jack .....	37.57	9.06
27 15 43 00-0057 EA Cat 6A, Snap-In Modular Jack .....	38.36	9.06
27 15 43 00-0058 EA Voice, RJ-11, Snap-In Modular Jack .....	21.55	4.52
27 15 43 00-0059 EA SC Type Fiber Optic, Snap-In Modular Jack .....	29.67	9.06
27 15 43 00-0060 EA ST Type Fiber Optic, Snap-In Modular Jack .....	33.62	9.06
27 15 43 00-0061 EA LC Type Fiber Optic, Snap-In Modular Jack .....	41.38	9.06
27 15 43 00-0062 EA Blank Fill In, Snap-In Modular Jack .....	5.25	2.26
27 15 43 00-0063 EA Open Cable Pass Through Insert, Snap-In Modular Jack .....	6.72	2.26
27 15 43 00-0064 EA Coaxial F-Type Coupler, Snap-In Modular Jack .....	22.19	6.78
Note: Includes female to female connection.		
<i>For Gold Bulkhead, Add</i>	<i>1.51</i>	
27 15 43 00-0065 EA RCA Jack Pass-Through Coupler, Snap-In Modular Jack .....	22.47	6.78
Note: Includes female to female connection.		
27 15 43 00-0066 EA RCA Solder Coupler, Snap-In Modular Jack .....	42.84	9.06
27 15 43 00-0067 EA RCA Jack With 110 Punch Down, Snap-In Modular Jack .....	54.27	9.06
27 15 43 00-0068 EA 3.5 m Mini Stereo Jack, Snap-In Modular Jack .....	27.27	9.06
27 15 43 00-0069 EA MT-RJ Pass-Through Coupler, Snap-In Modular Jack .....	30.90	4.52
27 15 43 00-0070 EA BNC Connector, Snap-In Modular Jack .....	31.93	9.06
27 15 43 00-0071 EA S-Video With 110 Punch Down, Snap-In Modular Jack .....	36.16	9.06
27 15 43 00-0072 PR Speaker Connectors, Snap-In Modular Jack .....	53.72	13.58
Note: Includes a pair of binding posts, banana jacks or spring clip connectors. Requires two open ports.		
27 15 43 00-0073 EA USB Audio Video Connector, Snap-In Modular Jack .....	55.63	9.06



<b>Communications</b>	<b>27</b>	<b>27</b>
Structured Cabling	27 10	
Communications Horizontal Cabling	27 15	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**27 15 53 Communications Cable Innerduct (27 15)**  
 Note: Cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Cable installed exposed includes installation on exposed surfaces, uncovered wireways, cable trays, etc.

27 15 53 00-0001	Indoor Innerduct (27 15 53)		
27 15 53 00-0002	Indoor Innerduct, Installed In Conduit (27 15 53 00-0001)		
27 15 53 00-0003	Riser Rated, Indoor Innerduct, Installed In Conduit (27 15 53 00-0002)		
27 15 53 00-0004	MLF 1" Riser Rated, Indoor Innerduct, Installed In Conduit	3,899.40	1,354.86
27 15 53 00-0005	MLF 1-1/4" Riser Rated, Indoor Innerduct, Installed In Conduit	5,005.15	1,806.48
27 15 53 00-0006	MLF 1-1/2" Riser Rated, Indoor Innerduct, Installed In Conduit	6,769.02	2,258.10
27 15 53 00-0007	MLF 2" Riser Rated, Indoor Innerduct, Installed In Conduit	7,849.44	2,709.71
27 15 53 00-0008	Plenum Rated, Indoor Innerduct, Installed In Conduit (27 15 53 00-0002)		
27 15 53 00-0009	MLF 3/4" Plenum Rated, Indoor Innerduct, Installed In Conduit	6,413.27	903.24
27 15 53 00-0010	MLF 1" Plenum Rated, Indoor Innerduct, Installed In Conduit	7,152.69	1,354.86
27 15 53 00-0011	MLF 1-1/4" Plenum Rated, Indoor Innerduct, Installed In Conduit	8,963.43	1,806.48
27 15 53 00-0012	MLF 1-1/2" Plenum Rated, Indoor Innerduct, Installed In Conduit	11,568.24	2,258.10
27 15 53 00-0013	MLF 2" Plenum Rated, Indoor Innerduct, Installed In Conduit	13,927.27	2,709.71
27 15 53 00-0014	Indoor Innerduct, Installed Exposed (27 15 53 00-0001)		
27 15 53 00-0015	Riser Rated, Indoor Innerduct, Installed Exposed (27 15 53 00-0014)		
27 15 53 00-0016	MLF 1" Riser Rated, Indoor Innerduct, Installed Exposed	4,802.64	1,806.48
	For Work In Restricted Working Space, Add	1,083.89	
27 15 53 00-0017	MLF 1-1/4" Riser Rated, Indoor Innerduct, Installed Exposed	5,908.39	2,258.10
	For Work In Restricted Working Space, Add	1,354.86	
27 15 53 00-0018	MLF 1-1/2" Riser Rated, Indoor Innerduct, Installed Exposed	7,672.26	2,709.71
	For Work In Restricted Working Space, Add	1,625.83	
27 15 53 00-0019	MLF 2" Riser Rated, Indoor Innerduct, Installed Exposed	8,752.67	3,161.33
	For Work In Restricted Working Space, Add	1,896.80	
27 15 53 00-0020	Plenum Rated, Indoor Innerduct, Installed Exposed (27 15 53 00-0014)		
27 15 53 00-0021	MLF 3/4" Plenum Rated, Indoor Innerduct, Installed Exposed	7,316.51	1,354.86
27 15 53 00-0022	MLF 1" Plenum Rated, Indoor Innerduct, Installed Exposed	8,055.93	1,806.48
	For Work In Restricted Working Space, Add	1,083.89	
27 15 53 00-0023	MLF 1-1/4" Plenum Rated, Indoor Innerduct, Installed Exposed	9,866.67	2,258.10
	For Work In Restricted Working Space, Add	1,354.86	
27 15 53 00-0024	MLF 1-1/2" Plenum Rated, Indoor Innerduct, Installed Exposed	12,471.48	2,709.71
	For Work In Restricted Working Space, Add	1,625.83	
27 15 53 00-0025	MLF 2" Plenum Rated, Indoor Innerduct, Installed Exposed	14,830.50	3,161.33
	For Work In Restricted Working Space, Add	1,896.80	
27 15 53 00-0026	Outdoor Innerduct (27 15 53)		
27 15 53 00-0027	Outdoor Innerduct, Installed In Conduit (27 15 53 00-0026)		
27 15 53 00-0028	MLF 1" Outdoor Innerduct, Installed In Conduit	3,595.65	1,354.86
27 15 53 00-0029	MLF 1-1/4" Outdoor Innerduct, Installed In Conduit	4,557.22	1,806.48
27 15 53 00-0030	MLF 1-1/2" Outdoor Innerduct, Installed In Conduit	5,863.33	2,258.10
27 15 53 00-0031	MLF 2" Outdoor Innerduct, Installed In Conduit	6,992.36	2,709.71
27 15 53 00-0032	Outdoor Innerduct, Buried In Trench (27 15 53 00-0026)		
27 15 53 00-0033	MLF 1" Outdoor Innerduct, Buried In Trench	2,692.42	
27 15 53 00-0034	MLF 1-1/4" Outdoor Innerduct, Buried In Trench	3,653.98	
27 15 53 00-0035	MLF 1-1/2" Outdoor Innerduct, Buried In Trench	4,960.09	
27 15 53 00-0036	MLF 2" Outdoor Innerduct, Buried In Trench	6,089.12	

**27 16 Communications Connecting Cords, Devices, and Adapters (27 10)**

**27 16 16 Communications Media Converters, Adapters, and Transceivers (27 16)**

27 16 16 00-0001	Fiber Optic Receivers (27 16 16)		
27 16 16 00-0002	EA Fiber Optic Receiver, Range 6.2 Miles	826.65	45.16
27 16 16 00-0003	EA Fiber Optic MM Dual Video Receiver, Manual Gain	1,059.91	88.96
	Note: With video presence Ind, RM.		
27 16 16 00-0004	Fiber Optic Transmitters (27 16 16)		
27 16 16 00-0005	EA Fiber Optic Transmitter, Range 6.2 Miles	826.64	45.16
27 16 16 00-0006	EA Fiber Optic MM Dual Video Transmitter Video Presence Indicator	1,059.91	88.96
27 16 16 00-0007	Fiber Optic Repeaters (27 16 16)		
	Note: Consist of transmitter and receiver, back-to-back. Excludes power source.		
27 16 16 00-0008	EA Fiber Optic Repeater, 6.2 Miles Transmitter And Receiver Back-Back, No Power	916.96	90.33

**27 Communications**  
**27 10 Structured Cabling**  
 27 16 Communications Connecting Cords, Devices, and Adapters



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 16 16 00-0009 EA Fiber Optic Digital Repeater, 2,000 Miles Transmitter And Receiver Back-Back, No Power .....	1,423.22	180.65
<b>27 16 16 00-0010 Fiber Optic Transceivers (27 16 16)</b>		
27 16 16 00-0011 EA Fiber Optic Transceivers, 3,000 Miles Range .....	923.75	180.65
27 16 16 00-0012 EA Fiber Optic Transceivers, Digital 2,000 Miles Range .....	923.75	180.65
27 16 16 00-0013 EA Fiber Optic Ethernet Transceiver .....	1,219.98	270.97
27 16 16 00-0014 EA Transceiver (Low Cost Bi- Directional).....	457.40	67.74
<b>27 16 19 Communications Patch Cords, Station Cords, and Cross Connect Wire (27 16)</b>		
<b>27 16 19 00-0001 Cross Connect Wire (27 16 19)</b> Note: Up to 20' length.		
27 16 19 00-0002 EA 2-Pair Cross Connect Wire .....	14.56	
27 16 19 00-0003 EA 3-Pair Cross Connect Wire .....	19.51	
27 16 19 00-0004 EA 4-Pair Cross Connect Wire .....	24.40	
<b>27 16 19 00-0005 Fiber Optic Patch Cords (27 16 19)</b>		
<b>27 16 19 00-0006 Simplex Fiber Optic Patch Cables (27 16 19 00-0005)</b>		
<b>27 16 19 00-0007 Singlemode, Simplex Fiber Optic Patch Cables (27 16 19 00-0006)</b>		
27 16 19 00-0008 EA ST To ST Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable.....	52.45	
For Each Additional Meter In Length, Add	0.26	
27 16 19 00-0009 EA ST To SC Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable .....	41.97	
For Each Additional Meter In Length, Add	0.26	
27 16 19 00-0010 EA ST To LC Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable.....	55.60	
For Each Additional Meter In Length, Add	0.26	
27 16 19 00-0011 EA SC To SC Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable .....	44.37	
For Each Additional Meter In Length, Add	0.26	
27 16 19 00-0012 EA SC To LC Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable .....	52.02	
For Each Additional Meter In Length, Add	0.26	
27 16 19 00-0013 EA LC To LC Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable.....	51.17	
For Each Additional Meter In Length, Add	0.26	
<b>27 16 19 00-0014 Duplex Fiber Optic Patch Cables (27 16 19 00-0005)</b>		
<b>27 16 19 00-0015 Singlemode, Duplex Fiber Optic Patch Cables (27 16 19 00-0014)</b>		
27 16 19 00-0016 EA ST To ST Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable .....	94.61	
For Each Additional Meter In Length, Add	0.51	
27 16 19 00-0017 EA ST To SC Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable .....	91.65	
For Each Additional Meter In Length, Add	0.51	
27 16 19 00-0018 EA ST To LC Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable .....	102.16	
For Each Additional Meter In Length, Add	0.51	
27 16 19 00-0019 EA SC To SC Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable .....	78.46	
For Each Additional Meter In Length, Add	0.51	
27 16 19 00-0020 EA SC To LC Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable.....	93.73	
For Each Additional Meter In Length, Add	0.51	
27 16 19 00-0021 EA LC To LC Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable .....	92.06	
For Each Additional Meter In Length, Add	0.51	
<b>27 16 19 00-0022 Multimode, Duplex Fiber Optic Patch Cables (27 16 19 00-0014)</b>		
27 16 19 00-0023 EA ST To ST Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable.....	70.37	
For Each Additional Meter In Length, Add	1.48	
27 16 19 00-0024 EA ST To SC Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable .....	77.22	
For Each Additional Meter In Length, Add	1.48	
27 16 19 00-0025 EA ST To MTRJ Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable.....	77.92	
For Each Additional Meter In Length, Add	1.48	
27 16 19 00-0026 EA ST To LC Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable.....	80.13	
For Each Additional Meter In Length, Add	1.48	
27 16 19 00-0027 EA SC To SC Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable.....	70.66	
For Each Additional Meter In Length, Add	1.48	
27 16 19 00-0028 EA SC To MTRJ Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable .....	80.51	
For Each Additional Meter In Length, Add	1.48	
27 16 19 00-0029 EA SC To LC Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable .....	95.38	
For Each Additional Meter In Length, Add	1.48	
27 16 19 00-0030 EA MTRJ To MTRJ Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable.....	64.34	
For Each Additional Meter In Length, Add	1.48	
27 16 19 00-0031 EA LC To LC Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable.....	79.23	
For Each Additional Meter In Length, Add	1.48	
<b>27 16 19 00-0032 Fiber Optic Cable Pig Tail (27 16 19)</b>		
27 16 19 00-0033 EA Simplex Fiber Optic Cable Pig Tail .....	69.20	31.61
27 16 19 00-0034 EA Duplex Fiber Optic Cable Pig Tail .....	94.07	31.61
<b>27 16 19 00-0035 Ethernet Patch Cords (27 16 19)</b>		
27 16 19 00-0036 EA 3' Category 5E Patch Cables With Boots.....	13.02	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 16 19 00-0037 EA 5' Category 5E Patch Cables With Boots.....	14.28	
27 16 19 00-0038 EA 7' Category 5E Patch Cables With Boots.....	15.55	
27 16 19 00-0039 EA 10' Category 5E Patch Cables With Boots.....	22.60	
27 16 19 00-0040 EA 15' Category 5E Patch Cables With Boots.....	28.30	
27 16 19 00-0041 EA 25' Category 5E Patch Cables With Boots.....	37.90	
27 16 19 00-0042 EA 3' Category 6 Patch Cables With Boots.....	14.52	
27 16 19 00-0043 EA 5' Category 6 Patch Cables With Boots.....	17.72	
27 16 19 00-0044 EA 7' Category 6 Patch Cables With Boots.....	17.78	
27 16 19 00-0045 EA 10' Category 6 Patch Cables With Boots.....	21.07	
27 16 19 00-0046 EA 15' Category 6 Patch Cables With Boots.....	27.83	
27 16 19 00-0047 EA 25' Category 6 Patch Cables With Boots.....	35.31	
27 16 19 00-0048 EA 50' Category 6 Patch Cables With Boots.....	56.35	
27 16 19 00-0049 EA 100' Category 6 Patch Cables With Boots.....	98.65	
27 16 19 00-0050 EA 3' Category 6A Patch Cables With Boots.....	23.16	
27 16 19 00-0051 EA 5' Category 6A Patch Cables With Boots.....	24.70	
27 16 19 00-0052 EA 7' Category 6A Patch Cables With Boots.....	25.85	
27 16 19 00-0053 EA 10' Category 6A Patch Cables With Boots.....	29.83	
27 16 19 00-0054 EA 15' Category 6A Patch Cables With Boots.....	36.33	
27 16 19 00-0055 EA 25' Category 6A Patch Cables With Boots.....	46.25	
27 16 19 00-0056 EA 50' Category 6A Patch Cables With Boots.....	68.53	
27 16 19 00-0057 EA 100' Category 6A Patch Cables With Boots.....	121.00	
27 16 19 00-0058 EA 3' Category 5E Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC5E03-06).....	13.02	
27 16 19 00-0059 EA 5' Category 5E Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC5E05-06).....	14.28	
27 16 19 00-0060 EA 7' Category 5E Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC5E07-06).....	15.55	
27 16 19 00-0061 EA 10' Category 5E Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC5E10-06).....	22.60	
27 16 19 00-0062 EA 15' Category 5E Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC5E15-06).....	28.30	
27 16 19 00-0063 EA 25' Category 5E Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC5E25-06).....	37.90	
27 16 19 00-0064 EA 3' Category 6 Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC603-06).....	14.52	
27 16 19 00-0065 EA 5' Category 6 Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC605-06).....	17.72	
27 16 19 00-0066 EA 7' Category 6 Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC607-06).....	17.78	
27 16 19 00-0067 EA 10' Category 6 Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC610-06).....	21.07	
27 16 19 00-0068 EA 15' Category 6 Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC615-06).....	27.83	
27 16 19 00-0069 EA 25' Category 6 Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC625-06).....	35.31	
27 16 19 00-0070 EA 3' Category 6A Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC6A03-09).....	27.53	
27 16 19 00-0071 EA 5' Category 6A Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC6A05-09).....	29.43	
27 16 19 00-0072 EA 7' Category 6A Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC6A07-09).....	30.85	
27 16 19 00-0073 EA 10' Category 6A Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC6A10-09).....	35.24	
27 16 19 00-0074 EA 15' Category 6A Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC6A15-09).....	42.72	
27 16 19 00-0075 EA 25' Category 6A Patch Cables With Plastic Arch (Ortronics-Legrand OR-MC6A25-09).....	54.98	

## 27 20 Data Communications <sup>(27)</sup>

### 27 21 Data Communications Network Equipment <sup>(27 20)</sup>

Note: Includes testing of new devices and certification.

#### 27 21 16 Data Communications Routers, CSU/DSU, Multiplexers, Codecs, and Modems <sup>(27 21)</sup>

<b>27 21 16 00-0001 Fiber Optic Modems <sup>(27 21 16)</sup></b>		
27 21 16 00-0002 EA	Fiber Optic Modems, Range 6.2 Miles.....	1,588.48
27 21 16 00-0003 EA	Fiber Optic Modem, Range 3.1 Miles, 12 Channel.....	3,122.46
<b>27 21 16 00-0004 Ethernet Hubs and Switches <sup>(27 21 16)</sup></b>		
27 21 16 00-0005 EA	16 Port Managed Hub With Fiberport And Standard Management.....	3,990.92
27 21 16 00-0006 EA	16 Port Unmanaged Hub.....	508.06
27 21 16 00-0007 EA	12 Port, Industrial Ethernet Switch (Cisco IE-4000-4GC4GP4G-E).....	5,570.39
27 21 16 00-0008 EA	Power Supply (Cisco PWR-IE170W-PC-AC).....	1,635.30
<b>27 21 16 00-0009 Network Equipment <sup>(27 21 16)</sup></b>		
<b>27 21 16 00-0010 Communications Entrance Protection <sup>(27 21 16 00-0009)</sup></b>		
27 21 16 00-0011 EA	100-Pair, 5 Pin Configuration, 110 Termination, Building Entrance Terminal With Cover (Porta 24100-110-M110C).....	1,115.21
	Note: Excludes terminations.	
27 21 16 00-0012 EA	Solid State Protector Module With 4 OHM Heat Coils (CommScope 4C1S).....	13.38
<b>27 21 16 00-0013 Communications Cabinets, Racks, Frames And Enclosures <sup>(27 21 16 00-0009)</sup></b>		
27 21 16 00-0014 EA	19" Width x 36" Height x 24" Depth, Wall Mounted Telecommunications Enclosure (Chatsworth 11840-736).....	1,366.00
	For Fan Kit (Chatsworth 12804-701), Add	197.62
27 21 16 00-0015 EA	10 Outlet, 125 Volt, 20 Amperes, Telecommunications Cabinet Power Strip (Chatsworth 13239-757).....	1,293.34
<b>27 21 16 00-0016 Communications Termination Blocks And Patch Panels <sup>(27 21 16 00-0009)</sup></b>		
<b>27 21 16 00-0017 Communications Termination Blocks <sup>(27 21 16 00-0016)</sup></b>		
27 21 16 00-0018 EA	4-Pair, 300-Pair Count, 110 Patch Panel System Terminal Block (CommScope 107058810).....	353.48
27 21 16 00-0019 EA	5-Pair, 300-Pair Count, 110 Patch Panel System Terminal Block (CommScope 107058802).....	328.21
27 21 16 00-0020 EA	4-Pair, 900-Pair Count, 110 Patch Panel System Terminal Block (CommScope 107058869).....	801.96
27 21 16 00-0021 EA	5-Pair, 900-Pair Count, 110 Patch Panel System Terminal Block (CommScope 107058851).....	745.12

<b>27</b>	<b>Communications</b>
<b>27 20</b>	<b>Data Communications</b>
<b>27 21</b>	<b>Data Communications Network Equipment</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 21 16 00-0022 EA 110 Connector System Mounting Brackets (CommScope 107535593)	103.32	13.55
27 21 16 00-0023 EA 110 Connector System Mounting Brackets (CommScope 107535585)	112.51	13.55
27 21 16 00-0024 EA 110 Connector System Mounting Brackets (CommScope 107098816)	129.69	13.55
<b>27 21 16 00-0025 Communications Copper Patch Panels (27 21 16 00-0016)</b> Note: Excludes cabinet and terminations.		
27 21 16 00-0026 EA 24 Port, Category 5E Patch Panel (CommScope 108208919)	336.36	29.42
27 21 16 00-0027 EA 48 Port, Category 5E Patch Panel (CommScope 108208935)	627.45	36.21
27 21 16 00-0028 EA 24 Port, Category 6 Patch Panel (CommScope 760062372)	509.50	29.42
27 21 16 00-0029 EA 48 Port, Category 6 Patch Panel (CommScope 760062380)	966.52	36.21
<b>27 21 16 00-0030 Communications Optical Fiber Patch Panels (27 21 16 00-0016)</b>		
<b>27 21 16 00-0031 Closet Connector Housings (27 21 16 00-0030)</b>		
27 21 16 00-0032 EA 48 Fiber Total Capacity, Closet Connector Housing (Corning CCH-01U)	496.65	18.10
Note: Accepts up to 2 closet connector housing panels. Excludes panels.		
27 21 16 00-0033 EA 96 Fiber Total Capacity, Closet Connector Housing (Corning CCH-02U)	583.73	18.10
Note: Accepts up to 4 closet connector housing panels. Excludes panels.		
27 21 16 00-0034 EA 288 Fiber Total Capacity, Closet Connector Housing (Corning CCH-04U)	733.88	18.10
Note: Accepts up to 12 closet connector housing panels. Excludes panels.		
27 21 16 00-0035 EA SC Duplex Multimode, 62.5 Micron, 12 Fiber, Closet Connector Housing Panel (Corning CCH-CP-91)	122.07	9.06
27 21 16 00-0036 EA SC Duplex Singlemode, 12 Fiber, Closet Connector Housing Panel (Corning CCH-CP-59)	168.58	9.06
27 21 16 00-0037 EA SC Simplex Multimode, 62.5 Micron, 12 Fiber, Closet Connector Housing Panel (Corning CCH-CP-56)	138.49	9.06
27 21 16 00-0038 EA SC Simplex Singlemode, 12 Fiber, Closet Connector Housing Panel (Corning CCH-CP-3C)	183.61	9.06
<b>27 21 16 00-0039 Communications Cable Management (27 21 16 00-0009)</b>		
<b>27 21 16 00-0040 Horizontal Communication Cable Management (27 21 16 00-0039)</b>		
27 21 16 00-0041 EA 1.7" Height, 19" Width, 3.7" Depth, 1 RU, Front Only, Horizontal Cable Manager (Panduit WMPFSE)	146.59	18.10
27 21 16 00-0042 EA 3-1/2" Height, 19" Width, 3.7" Depth, Horizontal Cable Manager (Panduit WMPF1E)	152.31	18.10
<b>27 21 16 00-0043 Vertical Communication Cable Management (27 21 16 00-0039)</b>		
27 21 16 00-0044 EA 6" Width x 84" Height, Double-Sided Vertical Cabling Section (Chatsworth 11729-703)	958.79	45.26
27 21 16 00-0045 EA 19" Width x 84" Height, Universal Rack (Chatsworth 48353-703)	995.80	45.26
27 21 16 00-0046 EA 23" Width x 84" Height, Universal Rack (Chatsworth 48383-703)	1,079.11	45.26
<b>27 21 16 00-0047 Communications Patch Cords, Station Cords, And Cross Connect Wire (27 21 16 00-0009)</b>		
<b>27 21 16 00-0048 Premise Cross-Connect Wire (27 21 16 00-0047)</b>		
27 21 16 00-0049 LF 1-Pair, 22 AWG Premise Cross-Connect Wire (General Cable 7041973)	0.94	0.45
<b>27 21 16 00-0050 Pathways For Communications Systems (27 21 16 00-0009)</b>		
<b>27 21 16 00-0051 Conduits And Backboxes For Communication Systems (27 21 16 00-0050)</b>		
<b>27 21 16 00-0052 Flexible Conduit For Communication Systems (27 21 16 00-0051)</b>		
27 21 16 00-0053 CLF 1" Diameter, Riser Rated, Non-Metallic Flexible Conduit With Pull Tape (Carlson DF4X1C)	454.12	162.58
27 21 16 00-0054 CLF 1" Diameter, Plenum Rated, Non-Metallic Flexible Conduit With Pull Tape (Carlson CF4X1C)	753.29	162.58
<b>27 21 16 00-0055 Tube Cables For Communication Systems (27 21 16 00-0051)</b>		
<b>27 21 16 00-0056 Outdoor/All-Dielectric Tube Cables (27 21 16 00-0055)</b>		
27 21 16 00-0057 CLF Two Tube, Outdoor/All-Dielectric Tube Cable (Sumitomo TC02TOX)	378.83	108.39
27 21 16 00-0058 CLF Seven Tube, Outdoor/All-Dielectric Tube Cable (Sumitomo TC07TOX)	585.96	135.48
27 21 16 00-0059 CLF Nineteen Tube, Outdoor/All-Dielectric Tube Cable (Sumitomo TC19TOX)	1,023.65	162.58
<b>27 21 16 00-0060 Indoor/Riser Rated Tube Cables (27 21 16 00-0055)</b>		
27 21 16 00-0061 CLF Two Tube, Indoor/Riser Rated Tube Cable (Sumitomo TC02TRX)	447.42	108.39
27 21 16 00-0062 CLF Four Tube, Indoor/Riser Rated Tube Cable (Sumitomo TC04TRX)	555.75	121.94
27 21 16 00-0063 CLF Seven Tube, Indoor/Riser Rated Tube Cable (Sumitomo TC07TRX)	633.59	135.48
27 21 16 00-0064 CLF Nineteen Tube, Indoor/Riser Rated Tube Cable (Sumitomo TC19TRX)	1,238.98	162.58
<b>27 21 16 00-0065 Indoor/Plenum Rated Tube Cables (27 21 16 00-0055)</b>		
27 21 16 00-0066 CLF Single Tube, Indoor/Plenum Rated Tube Cable (Sumitomo TC01TPX)	304.51	108.39
27 21 16 00-0067 CLF Two Tube, Indoor/Plenum Rated Tube Cable (Sumitomo TC02TP2)	479.82	108.39
27 21 16 00-0068 CLF Four Tube, Indoor/Plenum Rated Tube Cable (Sumitomo TC04TP2)	776.79	121.94
27 21 16 00-0069 CLF Seven Tube, Indoor/Plenum Rated Tube Cable (Sumitomo TC07TP2)	1,165.24	135.48
27 21 16 00-0070 CLF Nineteen Tube, Indoor/Plenum Rated Tube Cable (Sumitomo TC19TP2)	3,840.03	162.58
<b>27 21 16 00-0071 Unjacketed Single Tube Cables (27 21 16 00-0055)</b>		
27 21 16 00-0072 CLF Single Tube, Unjacketed Single Tube Cable (Sumitomo TC01TGX)	251.15	108.39



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>27 21 16 00-0073</b>	<b>Multimode Fiber Bundles</b> (27 21 16 00-0055)	
Note: Includes optical fiber cables.		
27 21 16 00-0074 CLF 2-Fiber, 62.5 Micron, Multimode Fiber Bundle (Sumitomo FR02M6) .....	118.98	32.52
27 21 16 00-0075 CLF 4-Fiber, 62.5 Micron, Multimode Fiber Bundle (Sumitomo FB04M6) .....	193.29	32.52
27 21 16 00-0076 CLF 6-Fiber, 62.5 Micron, Multimode Fiber Bundle (Sumitomo FB06M6) .....	273.33	32.52
27 21 16 00-0077 CLF 12-Fiber, 62.5 Micron, Multimode Fiber Bundle (Sumitomo FB12M6) .....	517.23	32.52
27 21 16 00-0078 CLF 18-Fiber, 62.5 Micron, Multimode Fiber Bundle (Sumitomo FB18M6) .....	756.84	37.93
27 21 16 00-0079 CLF 24-Fiber, 62.5 Micron, Multimode Fiber Bundle (Sumitomo FB24M6) .....	1,000.75	37.93
<b>27 21 16 00-0080</b>	<b>Singlemode Fiber Bundles</b> (27 21 16 00-0055)	
Note: Includes optical fiber cables.		
27 21 16 00-0081 CLF 2-Fiber, Singlemode Fiber Bundle (Sumitomo FR02SX) .....	103.73	32.52
27 21 16 00-0082 CLF 4-Fiber, Singlemode Fiber Bundle (Sumitomo FB04SX) .....	136.13	32.52
27 21 16 00-0083 CLF 6-Fiber, Singlemode Fiber Bundle (Sumitomo FB06SX) .....	162.81	32.52
27 21 16 00-0084 CLF 12-Fiber, Singlemode Fiber Bundle (Sumitomo FB12SX) .....	214.25	32.52
27 21 16 00-0085 CLF 18-Fiber, Singlemode Fiber Bundle (Sumitomo FB18SX) .....	337.63	37.93
27 21 16 00-0086 CLF 24-Fiber, Singlemode Fiber Bundle (Sumitomo FB24SX) .....	453.86	37.93
<b>27 21 16 00-0087</b>	<b>Tube Distribution Cabinets</b> (27 21 16 00-0055)	
27 21 16 00-0088 EA Modular Tube Distribution Cabinet (Sumitomo DE06MDU) .....	238.72	45.26
Note: Up to six 7-tube cables or two 19-tube cables.		
<b>27 21 16 00-0089</b>	<b>Modular Fiber Termination Cabinets</b> (27 21 16 00-0055)	
27 21 16 00-0090 EA 24-Fiber Capacity, Wall Mount, Modular Fiber Termination Cabinet (Sumitomo FT24WFM) .....	313.44	45.26
27 21 16 00-0091 EA 48-Fiber Capacity, Wall Mount, Modular Fiber Termination Cabinet (Sumitomo FT48WFM) .....	337.07	45.26
<b>27 21 16 00-0092</b>	<b>Tube Distribution Accessories</b> (27 21 16 00-0055)	
27 21 16 00-0093 EA Plastic Push/Pull Quick Release Pneumatic Cap For 8 mm Tube (Sumitomo DE08MA) .....	11.71	4.52
27 21 16 00-0094 EA Plastic Push/Pull Quick Release Pneumatic Coupling For 8 mm Tube (Sumitomo DE08MC2) .....	13.37	4.52
27 21 16 00-0095 EA Brass Push/Pull Quick Release Pneumatic Coupling For 8 mm Bulkhead Tube (Sumitomo DE08MB) .....	17.63	4.52
<b>27 21 16 00-0096</b>	<b>Communications Optical Fiber Cabling</b> (27 21 16 00-0009)	
<b>27 21 16 00-0097</b>	<b>Communications Optical Fiber Cable Splicing And Terminations</b> (27 21 16 00-0096)	
<b>27 21 16 00-0098</b>	<b>Field Installed Fiber Connectors</b> (27 21 16 00-0097)	
27 21 16 00-0099 EA SC Type, Singlemode, Field Installed Fiber Connector (Corning 95-200-42) .....	40.41	6.78
27 21 16 00-0100 EA SC Type, 62.5 Micron Multimode, Field Installed Fiber Connector (Corning 95-000-41) .....	34.94	6.78
<b>27 21 16 00-0101</b>	<b>Buffer Tube Fan-Out Kits</b> (27 21 16 00-0097)	
<b>27 21 16 00-0102</b>	<b>Buffer Tube Breakout Kits (Sumitomo)</b> (27 21 16 00-0101)	
Note: Includes 900 micron tubing.		
27 21 16 00-0103 EA 2-Fiber Breakout Kit (Sumitomo FTFLD02) .....	203.52	90.33
27 21 16 00-0104 EA 4-Fiber Breakout Kit (Sumitomo FTFLD04) .....	209.23	90.33
27 21 16 00-0105 EA 6-Fiber Breakout Kit (Sumitomo FTFLD06) .....	214.28	90.33
27 21 16 00-0106 EA 12-Fiber Breakout Kit (Sumitomo FTFLD12) .....	229.97	90.33
27 21 16 00-0107 EA 18-Fiber Breakout Kit (Sumitomo FTFLD18) .....	251.42	90.33
27 21 16 00-0108 EA 24-Fiber Breakout Kit (Sumitomo FTFLD24) .....	267.35	90.33
<b>27 21 16 00-0109</b>	<b>Buffer Tube Fan-Out Kits (Corning)</b> (27 21 16 00-0101)	
27 21 16 00-0110 EA 12 Fiber, 25" Tube Length, Indoor Buffer Tube Fan-Out Kit (Corning Fan-BT25-12) .....	206.17	90.33
27 21 16 00-0111 EA 12 Fiber, 25" Tube Length, Outdoor Buffer Tube Fan-Out Kit (Corning Fan-OD25-12) .....	262.78	90.33
<b>27 21 16 00-0112</b>	<b>Communications Copper Cabling</b> (27 21 16 00-0009)	
<b>27 21 16 00-0113</b>	<b>Copper Communications Cable Splicing And Terminations</b> (27 21 16 00-0112)	
<b>27 21 16 00-0114</b>	<b>Copper Communications Cable Splice Cases</b> (27 21 16 00-0113)	
27 21 16 00-0115 EA 6.5" x 28.4" Copper Communications Cable Splice Case (Preformed Line Products 800626) .....	1,091.19	180.65
27 21 16 00-0116 EA 9.5" x 28.4" Copper Communications Cable Splice Case (Preformed Line Products 800630) .....	1,299.80	180.65
27 21 16 00-0117 EA 12.5" x 28.4" Copper Communications Cable Splice Case (Preformed Line Products 8006219) .....	1,992.99	180.65
<b>27 21 16 00-0118</b>	<b>Modular Splice Connectors</b> (27 21 16 00-0113)	
27 21 16 00-0119 EA 25-Pair, Straight Body Only, 26-24 Gauge Cable, Filled Modular Splice Connector (3M 710-SC1-25) .....	100.45	45.16
27 21 16 00-0120 EA 25-Pair, Straight/Half Tap Body, 26-24 Gauge Cable, Dry Modular Splice Connector (3M 710-SD1-25) .....	98.20	45.16
27 21 16 00-0121 EA 25-Pair, Straight/Half Tap Body, 26-24 Gauge Cable, Filled Modular Splice Connector (3M 710-TC1-25) .....	100.50	45.16
27 21 16 00-0122 EA 25-Pair, Bridge Body, 26-22 Gauge Cable, Filled Modular Splice Connector (3M 710-BC1-25) .....	100.18	45.16

<b>27</b>	<b>Communications</b>
<b>27 20</b>	<b>Data Communications</b>
<b>27 21</b>	<b>Data Communications Network Equipment</b>



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

### 27 21 26 Data Communications Network Management (27 21)

#### 27 21 26 00-0001 Data Communications Network Management (27 21 26)

27 21 26 00-0002	EA	3 Port, Terminal/Serial Device Server (Comtrol 99560-9).....	672.50	22.58
27 21 26 00-0003	EA	2 Port, Terminal/Serial Device Server (Comtrol 99550-0).....	512.69	22.58
27 21 26 00-0004	EA	4 Port, DB9 Terminal/Serial Device Server (Comtrol 99445-9).....	723.82	22.58
27 21 26 00-0005	EA	4 Port, DB9 Terminal/Serial Device Server (Comtrol 99448-0).....	1,147.19	22.58
27 21 26 00-0006	EA	24 Watt, Din Rail Mountable, Power Adapter (Comtrol PS1020).....	104.36	
27 21 26 00-0007	EA	Remote Data Port, Spectra Positioning System (Pelco IPS_RDPE_2).....	503.57	13.55
27 21 26 00-0008	EA	Sennetech Code Translator (Pelco SCT_100_AD232).....	821.37	22.58
27 21 26 00-0009	EA	VPN Router (Cisco 819HG).....	4,539.78	289.67
27 21 26 00-0010	EA	Cisco Catalyst 3000 Series Switches (Cisco IE-3000 - 8TC).....	3,090.38	289.67
27 21 26 00-0011	EA	WS-C4507R+E Chassis, Two WS-X4648-RJ45V+E, Sup7L-E, LAN Base (Cisco WS-C4507RE+96V+).....	18,183.39	108.39
27 21 26 00-0012	EA	SMARTnet Extended Service Agreement, SNTC-8X5XNBD WS-C4507R+E Chassis,2 WS-X4648-RJ45V+E (Cisco CON-SNT-C4507REV).....	597.25	
27 21 26 00-0013	EA	Sup8-E And WS-X4748-RJ45V+E Upgrade For Bundle (Cisco C4500E-S7L-S8).....	12,611.40	108.39
27 21 26 00-0014	EA	Catalyst 4500 E-Series Redundant Supervisor 8-E (Cisco WS-X45-SUP8-E/2).....	27,828.11	108.39
27 21 26 00-0015	EA	Catalyst 4500 2GB SD Memory Card (Cisco SD-X45-2GB-E).....	658.80	9.06
27 21 26 00-0016	EA	Catalyst 4500 4200W AC Dual Input Power Supply (Data + PoE) (Cisco PWR-C45-4200ACV).....	4,848.28	11.29
27 21 26 00-0017	EA	Catalyst 4500 4200W AC Dual Input Power Supply (Data + PoE) (Cisco PWR-C45-4200ACV/2).....	4,203.29	11.29
27 21 26 00-0018	EA	13', NEMA 6-20 To IEC-C19 Power Cable (Cisco CAB-USE620P-C19-US).....	71.93	4.52
27 21 26 00-0019	EA	1000BASE-SX SFP Transceiver Module, MMF, 850nm, DOM (Cisco GLC-SX-MMD=).....	208.21	45.16
27 21 26 00-0020	EA	Cisco Catalyst 3850 24 Port Data IP Base (Cisco WS-C3850--24TS).....	3,375.54	108.39
27 21 26 00-0021	EA	SMARTnet Extended Service Agreement, 8X5XNBD Cisco Catalyst 3850 24 Port Data IP Base (Cisco CON-SNT-WSC384TS).....	785.83	
27 21 26 00-0022	EA	North America AC Type A Power Cable (Cisco CAB-TA-NA).....	21.73	4.52
27 21 26 00-0023	EA	350 Watt AC Power Supply (Cisco PWR-C1-350WAC).....	319.63	11.29
27 21 26 00-0024	EA	Cisco Catalyst 3850 4x1GE Network Module (Cisco C3850-NM-4-1G).....	808.48	11.32
27 21 26 00-0025	EA	1' (30cm), Catalyst 3750X Stack Power Cable (Cisco CAB-SPWR-30CM).....	116.31	4.52
27 21 26 00-0026	EA	Rack Mount Switch 16 100 SFP 8 10/100 PoE 2 Geuplinks (Cisco IE-3010-16S-8PC).....	4,109.60	108.39
27 21 26 00-0027	EA	SMARTnet Extended Service Agreement, 8X5XNBD IA Rack Mount Switch 16 100 SFP 8 10/10 (Cisco CON-SNT-301016S8).....	788.98	
27 21 26 00-0028	EA	IE 3010 Power Supply (Cisco PWR-RGD-AC-DC/IA).....	690.55	11.29
27 21 26 00-0029	EA	IE 3010 AC-DC Redundant Power Supply (Cisco PWR-RGD-AC-DC/IA).....	701.55	11.29
27 21 26 00-0030	EA	4 Ethernet 10/100 Ports And 2 Dual-Purpose Uplinks, Industrial Ethernet Switch (Cisco IE-3000-4TC).....	1,376.22	108.39
27 21 26 00-0031	EA	Expansion Power Module For Cisco IE-3000-4TC (Cisco PWR-IE50W-AC-IEC).....	376.26	11.32
27 21 26 00-0032	EA	4 Port, Expansion SFP Module for IE-3000-4TC (Cisco IEM-3000-4SM).....	1,798.65	11.32
27 21 26 00-0033	EA	Router (CISCO IR829).....	1,583.65	45.26

### 27 21 29 Data Communications Switches and Hubs (27 21)

#### 27 21 29 00-0001 Data Communications Multimedia Modular Patch Panels (27 21 29)

Note: Unloaded multimedia patch panels that accept modular jacks for category 3, 5e, 6, fiber optic, etc. Excludes rack, modular jacks and terminations. See CSI section 27 15 43 00-0051 for modular jacks.

27 21 29 00-0002	EA	12 Port, Wall Mount Multimedia Modular Patch Panel, Unloaded.....	137.35	4.51
27 21 29 00-0003	EA	16 Port, Rack Mount Multimedia Modular Patch Panel, Unloaded.....	152.24	4.51
27 21 29 00-0004	EA	24 Port, Rack Mount Multimedia Modular Patch Panel, Unloaded.....	181.05	4.51
27 21 29 00-0005	EA	36 Port, Rack Mount Multimedia Modular Patch Panel, Unloaded.....	189.90	4.51
27 21 29 00-0006	EA	48 Port, Rack Mount Multimedia Modular Patch Panel, Unloaded.....	206.73	5.65
27 21 29 00-0007	EA	24 Port, Rack Mount Multimedia Modular Angled Patch Panel, Unloaded.....	197.23	4.51
27 21 29 00-0008	EA	48 Port, Rack Mount Multimedia Modular Angled Patch Panel, Unloaded.....	247.55	5.65
27 21 29 00-0009	EA	Rack Mount Rear Cable Management Bar.....	62.68	5.65

### 27 21 33 Data Communications Wireless Access Points (27 21)

#### 27 21 33 00-0001 Data Communications Wireless Access Points (27 21 33)

27 21 33 00-0002	EA	Base Station Unit, 300 Mbps, MIMO 2x2, Type-N Connectors US PoE (Proxim Wireless MP-8200-BSU).....	4,862.46	135.48
27 21 33 00-0003	EA	Base Station Unit, 300 Mbps, MIMO 2x2, 23 dBi, 10° Panel Antenna - US PoE (Proxim Wireless MP-8250-BS1).....	11,821.31	135.48
27 21 33 00-0004	EA	Base Station Unit, 300 Mbps, MIMO 2x2, 16 dBi, 90 Degree Sector Antenna US PoE (Proxim Wireless MP-8250-BS9).....	11,821.31	135.48
27 21 33 00-0005	EA	Subscriber Unit, 300 Mbps, MIMO 2x2, Type-N Connectors US PoE (Proxim Wireless MP-8200-SUA).....	1,842.29	135.48
27 21 33 00-0006	EA	Subscriber Unit, 300 Mbps, MIMO 2x2, 23 dBi, Panel Antenna US PoE (Proxim Wireless MP-8250-SUR).....	2,181.08	158.75
27 21 33 00-0007	EA	Base Station Unit, 300 Mbps, MIMO 3x3, GPS Sync Ready, Type-N Connectors - US PoE (Proxim Wireless MP-8200-BSU-G).....	6,280.95	158.75
27 21 33 00-0008	EA	Base Station Unit, 300 Mbps, MIMO 2x2, GPS Sync Ready, 23 dBi, 10° Panel Antenna - US PoE (Proxim Wireless MP-8250-BS1-G).....	9,594.72	158.75
27 21 33 00-0009	EA	Base Station Unit, 300 Mbps, MIMO 2x2, GPS Sync Ready, 16 dBi, 90° Sector Antenna - US PoE (Proxim Wireless MP-8250-BS9-G).....	9,594.72	158.75
27 21 33 00-0010	EA	50 Mbps (upgradable to 100 Mbps), MIMO 2x2, 15 dBi integrated antenna - US PoE (Proxim Wireless QB-825-LNK-50).....	1,955.52	52.92
27 21 33 00-0011	EA	100 Mbps, MIMO 2x2, 15 dBi integrated antenna - US PoE (Proxim Wireless QB-825-LNK-100).....	1,983.34	52.92
27 21 33 00-0012	EA	Surge, Gigabit Surge Protector With Shielded RJ45 (Proxim Wireless ETH-SURGE-1G).....	171.23	26.46
27 21 33 00-0013	EA	FlexPort uWave AdaptRate And Modulation Feature Upgrade (BridgeWave Communications FPUWAVE-UPG-ARM).....	1,728.87	
27 21 33 00-0014	EA	1' High Performance Dish Antenna, Low Profile, 21.2-23.6 GHz, WR42 Flange, SOI (Radio Waves HPLP1-23RR).....	583.84	45.16
27 21 33 00-0015	EA	Cellular Phone / Wi-Fi Antenna (Sierra Wireless AP-CWG-Q-S222-WH).....	478.15	45.16
27 21 33 00-0016	EA	Cell LTE MIMO Antenna (Sierra Wireless 1810075).....	77.30	18.06
27 21 33 00-0017	EA	AirLink GX400 Power Adapter (Sierra Wireless 2700384).....	76.62	
27 21 33 00-0018	EA	AirLink GX400 Power Cable (Sierra Wireless 2000380).....	43.32	
27 21 33 00-0019	EA	Cellular/PCS/LTE, Hockey Puck Antenna (Sierra Wireless AP-C-Q-S2-BL).....	294.55	45.16





<b>Communications</b>	<b>27</b>	<b>27</b>
<b>Data Communications</b>	<b>27 20</b>	
<b>Data Communications Network Equipment</b>	<b>27 21</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 21 33 00-0020 EA Cellular/PCS/LTE/GPS, Multi-Band Antenna (Sierra Wireless AP-CG-Q-S22-BL).....	296.60	45.16
27 21 33 00-0021 EA 2 Way, RF Power Divider, 790-920 MHZ (Telewave ANTPD28D) .....	417.12	45.26
27 21 33 00-0022 EA Wireless Cellular Modem (Sierra Wireless AirLink GX400 EVDO/GPS).....	1,088.56	67.89
27 21 33 00-0023 EA Wireless Cellular Modem (Sierra Wireless AirLink GX450 Rugged).....	1,406.68	67.89
27 21 33 00-0024 EA Magnetic Mount Cellular Antenna (Wilson Electronics 301125) .....	71.66	13.55
27 21 33 00-0025 EA Yagi Antenna, 890-960 MHz, 10 dBd Gain (PCTEL Bluewave Antennas BGYD890K).....	276.30	52.92
27 21 33 00-0026 EA Andrew® Omni Antenna, 890-960 MHz, 360° Horizontal Beamwidth, Fixed Electrical Tilt, Fits On 38-51 mm (1-1/2 to 2 in) OD Pipe (Commscope DB583-Y) .....	981.03	52.92
27 21 33 00-0027 EA Single Channel Bluetooth Sensor With Bluetooth Module And Antenna (DeepBlue SC) .....	4,954.94	45.26
27 21 33 00-0028 EA Point-to-Point Wireless Bridge (Proxim Tsunami® QB-10150).....	2,499.86	45.16

## 27 22 Data Communications Hardware (27 20)

### 27 22 19 Data Communications Servers (27 22)

#### 27 22 19 00-0001 Network Communications Frames And Enclosures (27 22 19)

27 22 19 00-0002 EA Communications Equipment Enclosure .....	21,331.12	271.57
Note: APX Enclosures, Inc. part number TCDD727236 or an approved equivalent. UL listed, 72" H x 72" W x 36" D, 0.0125" 5052 aluminum construction, polyester powder finish, ANSI 61 grey out/white in, dual swing rack 19/23", standard EIA spacing, tapped 12-24 adjustable channels on side, thermostat kit, fluorescent light kit, 3PT, latch on main door with pad lock provisions, plywood back panels, and insulation thru-out) with a 12,000 BTU air conditioning unit housed in a stainless steel enclosure.		
27 22 19 00-0003 EA Wall Mounted Equipment Cabinet.....	1,348.98	90.53
Note: Mid-Atlantic DWR-24-22 PD.		
27 22 19 00-0004 EA APX 2 Bay Communications Equipment Enclosure, 72" High x 72" Wide x 36" Deep, 14 Ga. Type 304 Stainless Steel .....	10,193.95	
Note: UI 508A Listed Enclosure, NEMA 4x (Two Bay) APX Double Door Front Style, Stainless Steel construction with a natural mill finish. Includes Three Point Door Latching on (1) Door with Stainless Steel Pad Lockable Handle, Sloped Lid Toward Rear of Cabinet, Door Wind Stay Brackets and Bars on Both Doors, R-4 Insulation Package on inside enclosure and doors, 3/4" Plywood Back panels on Rear Wall, (1) 19" Swing Out Rack in each bay with 12-24 Tapped Holes, Lifting Ears, Door Gasket Seals, Removable Center Post, Continuous Sthle Hinges/Hardware, (2) Fluorescent Light Fixtures with door activated switches, (12,000 BTU) Air Conditioner (230 Volt) with Stainless Steel Shell Mounted to Sied Wall, (4) Three Prong Duplex Receptacles, Power Distribution Panel with 100 Amp Load Center, 100 AMP Main Breaker, Equipment Circuit Breakers, Surge Suppression, includes Fiber Storage Reels.		
27 22 19 00-0005 EA APX 3 Bay Communications Equipment Enclosure, 72" High x 108" Wide x 36" Deep, 14 Ga. Type 304 Stainless Steel .....	38,181.21	
Note: UI 508A Listed Enclosure, NEMA 4x (Three Bay) APX Three Door Front Style, Stainless Steel construction with a natural mill finish. Includes Three Point Door Latching on (3) Doors with Stainless Steel Pad Lockable Handle, Sloped Lid Toward Rear of Cabinet, Door Wind Stay Brackets and Bars on all three Doors, R-4 Insulation Package on inside enclosure and doors, 3/4" Plywood Back panels on Rear Wall, (1) 19" Swing Out Rack in each bay with 12-24 Tapped Holes, Two 33 RU Racks positioned inside left and right bays, Lifting Ears Door Gasket Seals, (2) Fixed Center Posts, Continuous Sthle Hinges/Hardware, (3) Fluorescent Light Fixtures with door activated switches, (19,000 BTU) Air Conditioner (230 Volt) with Stainless Steel Shell Mounted to Sied Wall, (4) Three Prong Duplex Receptacles, Power Distribution Panel with 100 Amp Load Center, 100 AMP Main Breaker, Equipment Circuit Breakers, Surge Suppression, includes Fiber Storage Reels.		

## 27 24 Data Communications Peripheral Data Equipment (27 20)

### 27 24 19 External Drives (27 24)

#### 27 24 19 00-0001 Network Equipment (27 24 19)

27 24 19 00-0002 EA 19" Rack Mountable 110-24T Ethernet Switch .....	583.75	30.08
Note: 24 x 10/100Base-TX LAN with SFP (miniGbic) port, Nortel Networks Limited 110-24T Managed Business Ethernet Switch - 24 x 10/100Base-TX LAN model #NT5S01AEE5. Includes testing.		
27 24 19 00-0003 EA 19" Rack Mountable Station Access Router .....	3,084.26	158.07
Note: Nortel Network part number SR2101031E5. Includes testing.		
27 24 19 00-0004 EA 19" Rack Mount LCD Monitor .....	1,468.58	72.25
Note: Nortel Network part number SR2101031E5. Includes testing.		
27 24 19 00-0005 EA 1000VA UPS (Uninterruptible Power Supply).....	1,409.91	82.50
Note: APC SUA1000RM2U. Includes testing.		
27 24 19 00-0006 EA 1000VA UPS (Uninterruptible Power Supply).....	533.96	82.50
Note: APC BR1000. Includes testing.		
27 24 19 00-0007 EA 1200VA UPS (Uninterruptible Power Supply).....	549.78	82.50
Note: APC BR1200. Includes testing.		

## 27 30 Voice Communications (27)

### 27 31 Voice Communications Switching and Routing Equipment (27 30)

Note: Includes testing of new devices and certification.

#### 27 31 13 PBX/Key Systems (27 31)

##### 27 31 13 00-0001 Interior PBX Telephone System (27 31 13)

Note: Includes telephone instruments cabling and solid state switching.

##### 27 31 13 00-0002 Interior PBX Telephone System (27 31 13 00-0001)

Note: Cost is for each line up to 1000 lines.

27 31 13 00-0003 EA 1 Line PBX Connection, Cost Per Each Line Up To 1,000 .....	1,636.04	470.76
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<b>27</b>	<b>Communications</b>
<b>27 30</b>	<b>Voice Communications</b>
<b>27 31</b>	<b>Voice Communications Switching and Routing Equipment</b>



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 31 13 00-0004		<b>Additional Telephones Less Solid State Switching (PBX)</b> (27 31 13 00-0001)		
27 31 13 00-0005	EA	Add For Each Additional PBX Phone Line Less Solid State Switching.....	621.78	37.03
27 31 13 00-0006		<b>Telephones</b> (27 31 13 00-0001)		
27 31 13 00-0007	EA	Telephones, Desk Type Intercommunication Equipment.....	225.98	35.22
27 31 13 00-0008	EA	Telephones, Wall Type Intercommunication Equipment.....	249.72	46.97

## 27 32 Voice Communications Terminal Equipment (27 30)

Note: Includes testing of new devices and certification.

### 27 32 13 Telephone Sets (27 32)

#### 27 32 13 00-0001 Interior Telephone Components (27 32 13)

27 32 13 00-0002	EA	Solid State Exchange Unit With Power Supply .....	7,179.15	825.38
27 32 13 00-0003	EA	Dial Telephone - Handset In Cabinet.....	881.71	67.47
27 32 13 00-0004	EA	Elevator Cab Telephone With Trailer Cable.....	423.40	72.34
27 32 13 00-0005	EA	Loud Ring Bell, 6" .....	325.63	67.11
27 32 13 00-0006	EA	Audio/Visual Indicator .....	429.13	63.23
27 32 13 00-0007	EA	Administrative Telephone With Digital Display.....	452.81	56.73
27 32 13 00-0008	EA	Processing Unit For 16 Station System .....	2,127.72	462.73
27 32 13 00-0009	EA	Handset For 16 Station System .....	315.39	46.07
27 32 13 00-0010	EA	Handset In Cabinet, For 16 Station System.....	427.38	62.14
27 32 13 00-0011	MLF	20 Conductor Unshielded Cable, #22.....	2,484.37	996.00
27 32 13 00-0012	EA	Power Supply For 16 Station System .....	355.06	122.93
27 32 13 00-0013	EA	Intercom Terminal Board .....	294.70	138.38
27 32 13 00-0014	EA	Power Supply For Five Station System, 24 Volt DC .....	372.19	122.93
27 32 13 00-0015	EA	Telephone Communication Board, Insulated Blueboard 24" x 24" x 1/2" Thick .....	187.51	50.49
27 32 13 00-0016	EA	Telephone Cabinet With Backboard 24" High x 24" Wide x 6" Deep .....	616.56	111.13
27 32 13 00-0017	EA	Telephone Cabinet With Backboard 30" High x 24" Wide x 6" Deep .....	731.32	126.31
27 32 13 00-0018	EA	Telephone Cabinet With Backboard 30" High x 30" Wide x 6" Deep .....	889.29	149.50
27 32 13 00-0019	EA	Telephone Cabinet With Backboard 36" High x 30" Wide x 6" Deep .....	1,059.09	161.62
27 32 13 00-0020	EA	Telephone Cabinet With Backboard 48" High x 30" Wide x 6" Deep .....	1,695.48	183.90
27 32 13 00-0021	EA	Ring Rung 3".....	10.32	5.04
27 32 13 00-0022	EA	G66B50 Telephone Blocks Including 50 Terminators, Exterior Ring, Marking, ID .....	26.92	8.95
27 32 13 00-0023	EA	G110 Data Blocks Including Terminator, Exterior Ring, Marking, ID And Testing .....	47.24	18.33

#### 27 32 13 00-0024 Interior Telephone Accessories (27 32 13)

27 32 13 00-0025	EA	Blank Telephone Receptacle, Exposed Devices - Complete .....	10.23	4.87
27 32 13 00-0026	EA	4-Pin Telephone Receptacle, Exposed Devices - Complete.....	23.00	18.79
27 32 13 00-0027	EA	Dual Flush Mounted, Level 5, RJ-45 Jack, Complete .....	58.57	20.63
27 32 13 00-0028	EA	Wall Mount, Level 5, RJ-45 Jack, Complete .....	54.72	20.63
27 32 13 00-0029	EA	Terminating Strips, Inside .....	111.37	41.25
27 32 13 00-0030	EA	Dual Outlet, 4-Pin Telephone Receptacle, Concealed Type RJ-45 - Complete .....	46.90	21.22
27 32 13 00-0031	EA	Ready Access Closure 3 To 25 Pair .....	134.73	49.77
27 32 13 00-0032	EA	Ready Access Closure 25 To 100 Pair .....	159.23	55.63
27 32 13 00-0033	EA	Termination Block With Bracket 25 Pair.....	52.32	16.71
27 32 13 00-0034	EA	RJ-11 Telephone Receptacle, Concealed Devices - Complete .....	45.99	20.95
27 32 13 00-0035	EA	Interior Protected Terminal 25 Pair .....	642.00	120.67
27 32 13 00-0036	EA	Interior Protected Terminal 50 Pair .....	774.75	122.57
27 32 13 00-0037	EA	Pedestal 6" x 6" x 50" 3 To 100 Pair.....	254.23	50.22
27 32 13 00-0038	EA	Pedestal 8" x 8" x 50" 100 To 300 Pair.....	263.47	50.22
27 32 13 00-0039	EA	Pedestal 10" x 10" x 43" 300 To 600 Pair .....	349.30	64.22
27 32 13 00-0040	EA	Pedestal 10" x 16" x 439 600 Pair.....	736.41	115.70
27 32 13 00-0041	EA	Entrance Protector Terminal 100 Pair.....	1,037.66	132.05
27 32 13 00-0042	EA	Gas Protection Module .....	14.46	4.51
27 32 13 00-0043	EA	Terminating Boxes, Outside With 3 Element Protectors, Per Pair .....	27.49	4.12

### 27 32 26 Ring-Down Emergency Telephones (27 32)

#### 27 32 26 00-0001 Emergency Telephone (27 32 26)

Note: Includes CB3000 speakerphone, 3 auxiliary inputs, 2 auxiliary outputs, phone line surge suppressor, analog telephone connection, 70 watt area light with blue beacon, high power strobe, lighted faceplate, 110VAC power, ultra weather resistant finish, vandal resistant hardware, UV resistant lens, dome vent; flat area for directory, access control or other options; 12.75" diameter/8'-6" height, 1/4" thick steel construction, foundation anchor kit, ADA compliant.

27 32 26 00-0002	EA	Code Blue 1-Standard Emergency Telephone Pedestal Unit (CB 1-s).....	10,793.98	375.04
27 32 26 00-0003	EA	Code Blue 1-Dual Emergency Telephone Pedestal Unit (CB 1-d).....	11,389.22	375.04
27 32 26 00-0004	EA	Analog Speakerphone With Black Info Button And Red Push For Help Button Code Blue Option (Code Blue IA4100 FP2) .....	198.42	
27 32 26 00-0005	EA	Analog Speakerphone With Black Call Button, Keypad And Red Push For Help Button Code Blue Option (Code Blue IA4100 FP2-K).....	297.62	
27 32 26 00-0006	EA	IP Speakerphone With Single Red Push For Help Button Code Blue Option (Code Blue IP5000 FP1) .....	744.06	



<b>Communications</b>	<b>27</b>	
<b>Voice Communications</b>	<b>27 30</b>	<b>27</b>
<b>Voice Communications Terminal Equipment</b>	<b>27 32</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 32 26 00-0007 EA IP Speakerphone With Back Info Button And Red Push For Help Button Code Blue Option (Code Blue IP5000 FP2).....	1,011.92	
27 32 26 00-0008 EA IP Speakerphone With Black Call Button, Keypad And Red Push For Help Button Code Blue Option (Code Blue IP5000 FP2-K).....	1,111.13	
27 32 26 00-0009 EA EMERGENCY (Raised Letters With Braille) Main Bezel Code Blue Option .....	19.84	
27 32 26 00-0010 EA EMERGENCY/EMERGENCIA (Raised Letters With Braille) Main Bezel Code Blue Option .....	19.84	
27 32 26 00-0011 EA Directory, Second Opening Code Blue Option .....	178.57	
27 32 26 00-0012 EA Camera Enclosure With Color IP Camera, Second Opening Code Blue Option .....	1,884.95	
27 32 26 00-0013 EA HID Card Reader, Second Opening Code Blue Option .....	873.03	
27 32 26 00-0014 EA HID Card Reader And Color IP Camera, Second Opening Code Blue Option .....	2,827.42	
27 32 26 00-0015 EA IP Wireless Communication Code Blue Option .....	5,942.54	
Note: 802.11g or secure mesh 5.8. (system UPS backup or unit Night Charge recommended). IP5000 VoIP Speakerphone option must be ordered when selecting IP Wireless Communications. Requires Base Unit(s) and site survey.		
27 32 26 00-0016 EA Active Venting Code Blue Option.....	317.46	
27 32 26 00-0017 EA Night Charge Power Code Blue Option .....	2,767.90	
Note: Requires 120V AC external power supplied to Code Blue unit.		
27 32 26 00-0018 EA Power Transformer Kit, Alternate Incoming Power Code Blue Option.....	694.45	
27 32 26 00-0019 EA Overhead Camera Mount Code Blue Option .....	1,577.40	
Note: Excludes camera.		
27 32 26 00-0020 EA Custom Color For Overhead Camera Mount Code Blue Option .....	69.45	
<b>27 32 26 00-0021</b>	<b>City Police Call System</b> (27 32 26)	
<b>27 32 26 00-0022</b>	<b>Components</b> (27 32 26 00-0021)	
27 32 26 00-0023 EA City Police Call System.....	829.14	105.32
27 32 26 00-0024 EA Concrete Foundation For Police Department Telephone Post .....	703.78	152.55

## 27 40 Audio-Video Communications (27)

### 27 41 Audio-Video Systems (27 40)

#### 27 41 16 Integrated Audio-Video Systems and Equipment (27 41)

Note: Includes testing of new devices and certification.

27 41 16 00-0001	Television Distribution System (27 41 16)		
See CSI section 26 05 13 16-0001 for basic wiring, 26 05 19 16-0012 for basic wiring.			
27 41 16 00-0002	Mounted Television Support (27 41 16 00-0001)		
27 41 16 00-0003 EA	Ceiling Mounted Television Support, 19" To 20".....	417.30	101.38
27 41 16 00-0004 EA	Ceiling Mounted Television Support, 19" To 20" With Rack .....	553.69	113.15
27 41 16 00-0005 EA	Ceiling Mounted Television Support, 25" To 27".....	439.33	101.38
27 41 16 00-0006 EA	Ceiling Mounted Television Support, 25" To 27" With Rack .....	575.72	113.15
27 41 16 00-0007 EA	Wall Mounted Television Support, 13".....	331.85	81.47
27 41 16 00-0008 EA	Wall Mounted Television Support, 13" With Rack.....	468.22	90.53
27 41 16 00-0009 EA	Wall Mounted Television Support, 19" To 20".....	360.75	81.47
27 41 16 00-0010 EA	Wall Mounted Television Support, 19" To 20" With Rack .....	497.13	90.53
27 41 16 00-0011 EA	Wall Mounted Television Support, 25" To 27".....	389.66	81.47
27 41 16 00-0012 EA	Wall Mounted Television Support, 25" To 27" With Rack .....	526.03	90.53
27 41 16 00-0013	Distribution System (27 41 16 00-0001)		
See CSI section 26 05 13 16-0001 for wire and cabling.			
27 41 16 00-0014	TV Distribution Rack (27 41 16 00-0013)		
27 41 16 00-0015 EA	Steel Rack Cabinet With Shelves .....	1,643.36	166.10
27 41 16 00-0016 EA	Switch And Pilot Light .....	223.43	73.80
27 41 16 00-0017 LF	Surface Raceway With Outlets .....	25.91	10.03
27 41 16 00-0018 EA	Service Label.....	29.46	13.82
27 41 16 00-0019	Head End Amplifier (27 41 16 00-0013)		
27 41 16 00-0020 EA	Head End Amplifier .....	1,096.53	110.56
27 41 16 00-0021	UHF In-Line Booster Amplifier And Power Supply (27 41 16 00-0013)		
27 41 16 00-0022 EA	UHF In-Line Booster .....	609.44	110.56
27 41 16 00-0023	Preamplifiers (27 41 16 00-0013)		
27 41 16 00-0024 EA	VHF Preamplifier .....	780.95	110.56
27 41 16 00-0025 EA	UHF Preamplifier .....	609.44	110.56
27 41 16 00-0026	Power Supplies (27 41 16 00-0013)		
27 41 16 00-0027 EA	Common Power Supply .....	1,115.65	157.98
27 41 16 00-0028	Line Splitter And Mixer (27 41 16 00-0013)		
27 41 16 00-0029 EA	Line Splitter.....	80.85	36.85

<b>27</b>	<b>Communications</b>
<b>27 40</b>	<b>Audio-Video Communications</b>
<b>27 41</b>	<b>Audio-Video Systems</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 41 16 00-0030 EA Two-Way Splitter .....	94.51	36.85
27 41 16 00-0031 EA Frequency Filter .....	227.59	55.36
27 41 16 00-0032 EA Line Splitter And Mixer .....	248.16	81.29
<b>27 41 16 00-0033 Power Line Filters</b> <small>(27 41 16 00-0013)</small>		
27 41 16 00-0034 EA 120-Volt Power Supply Line Filter .....	463.54	73.80
<b>27 41 16 00-0035 Wall Box And Receiver Outlets</b> <small>(27 41 16 00-0013)</small>		
27 41 16 00-0036 EA Wall Box With Lockable Cover, Excluding Outlet Plug .....	227.59	55.36
27 41 16 00-0037 EA TV Receiver Outlet Plug .....	94.51	36.85
27 41 16 00-0038 EA TV Camera Outlet Plug .....	94.51	36.85
27 41 16 00-0039 EA Audio Outlet Plug .....	77.40	36.85
27 41 16 00-0040 EA 12 Ft RG 6U Cable With G-59 And TV Set Fittings .....	163.39	73.80
27 41 16 00-0041 EA Male Plug PL-259 .....	94.51	36.85
27 41 16 00-0042 EA Wall Box And Receiver Outlet Television Outlets .....	105.41	38.65
<b>27 41 33 Master Antenna Television Systems</b> <small>(27 41)</small>		
<b>27 41 33 00-0001 Antenna Systems</b> <small>(27 41 33)</small>		
<b>27 41 33 00-0002 Antenna</b> <small>(27 41 33 00-0001)</small>		
27 41 33 00-0003 EA Amateur Radio Antenna .....	1,033.38	135.48
27 41 33 00-0004 EA Multi-Band Radio Antenna .....	787.68	135.48
<b>27 41 33 00-0005 Receptacles</b> <small>(27 41 33 00-0001)</small>		
27 41 33 00-0006 EA Amateur Radio Antenna System Receptacle With Mating Plugs And Adapter .....	210.46	55.36
27 41 33 00-0007 EA Multi-Band Radio Antenna System Receptacle With Mating Plugs .....	210.46	55.36

**END OF SECTION 27**



<b>Electronic Safety and Security</b>	<b>28</b>	<b>28</b>
Life Safety	28 40	
Gas Detection and Alarm	28 42	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**28 Electronic Safety and Security**

Note: Termination costs are included with all safety and security equipment, panel boards, and devices. Terminations are not included with patch panels.

**28 40 Life Safety** <sup>(28)</sup>

Note: Includes testing of new devices and certification. See CSI section 26 05 19 16-0011 for electrical connections and termination.

**28 42 Gas Detection and Alarm** <sup>(28 40)</sup>

**28 42 11 Gas Detection and Alarm Control, GUI, and Logic Systems** <sup>(28 42)</sup>

28 42 11 00-0001 Monitoring System For Underground Tanks <sup>(28 42 11)</sup>

28 42 11 00-0002 Continuous Leak Detection System <sup>(28 42 11 00-0001)</sup>

Note: Includes calibration, electronic control module and probes. Excludes sample wells, electrical power supply and sensor cable.

28 42 11 00-0003	EA	Single Channel Underground Tank Monitoring System .....	15,689.50	370.33
28 42 11 00-0004	EA	2 Channel Underground Tank Monitoring System .....	21,188.53	494.08
28 42 11 00-0005	EA	3 Channel Underground Tank Monitoring System .....	30,546.85	529.30
28 42 11 00-0006	EA	4 Channel Underground Tank Monitoring System .....	32,186.59	740.66
28 42 11 00-0007	EA	Control Panel, 1-8 Tanks, Single Wall Tank Monitoring System .....	24,145.96	63.23
28 42 11 00-0008	EA	Control Panel, 1-4 Tanks, Double Wall Tank Monitoring System .....	21,776.64	56.45
28 42 11 00-0009	EA	Control Panel, 1-8 Tanks, Double Wall Tank Monitoring System .....	28,672.42	63.23
28 42 11 00-0010	EA	Tank Leak Detection Probe .....	8,895.60	13.55
28 42 11 00-0011	EA	Secondary Containment Collar Probe .....	1,073.30	5.42
28 42 11 00-0012	EA	Interstitial Leak Detection Probe .....	1,962.76	11.29
28 42 11 00-0013	EA	Liquid Phase Detection .....	6,488.75	33.87
28 42 11 00-0014	EA	Hydrocarbon Vapor, Fixed .....	5,980.68	33.87
28 42 11 00-0015	EA	Hydrocarbon Vapor, Float Mounted .....	7,001.10	38.38
28 42 11 00-0016	EA	Liquid And Vapor Hydrocarbon .....	8,017.25	38.38

**28 42 15 Gas Detection Sensors** <sup>(28 42)</sup>

28 42 15 00-0001 Hydrogen Gas Detection <sup>(28 42 15)</sup>

28 42 15 00-0002	EA	Hydrogen Gas Detector Sensor, 1% Fan Relay, 2% Alarm (SBS HGDI-DR) .....	1,977.37	33.94
28 42 15 00-0003	EA	Hydrogen Gas Detector Junction Box (SBS HGDI-JB) .....	97.30	11.32
28 42 15 00-0004	EA	Remote Display With 25' Cable For Hydrogen Gas Detector (SBS HGDI-REM) .....	483.92	33.94

**28 43 Fuel Oil Detection and Alarm** <sup>(28 40)</sup>

See CSI section 28 42 00 00-0000 for detection and alarms.

**END OF SECTION 28**

**28 Electronic Safety and Security**

28 40 Life Safety

28 43 Fuel Oil Detection and Alarm



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

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<b>Earthwork</b>	<b>31</b>	<b>13</b>
Maintenance of Earthwork	31 01	
Maintenance of Earth Moving	31 01 20	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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## 31 Earthwork

### 31 01 Maintenance of Earthwork <sup>(31)</sup>

#### 31 01 20 Maintenance of Earth Moving <sup>(31 01)</sup>

31 01 20 00-0001	Rip Settling Basins <sup>(31 01 20)</sup>	
	Note: Rip through light soil and sand in settling basin. 8' on center (machine width).	
31 01 20 00-0002	ACR Rip Light Soil And Sand, By Dozer .....	702.80
31 01 20 00-0003	ACR Rip Light Soil And Sand, By Grader With Rear Ripper .....	1,062.25
31 01 20 00-0004	ACR Rip Light Soil And Sand, By Rubber Tire Front End Loader .....	918.73

### 31 05 Common Work Results for Earthwork <sup>(31)</sup>

#### 31 05 13 Soils for Earthwork <sup>(31 05)</sup>

Note: Includes delivery up to 15 miles from the closest approved source and dumping. Excludes spreading or backfilling. See CSI section 01 74 19 00-0055 for hauling greater than 15 miles.

31 05 13 00-0001	Fill Material (Loose, Purchased Material) <sup>(31 05 13)</sup>	
	Note: Includes delivery up to 15 miles from the closest approved source, loading and dumping. Excludes spreading or backfilling. See CSI section 01 74 19 00-0055 for hauling greater than 15 miles.	
31 05 13 00-0002	CY Bank Run/Fill Sand .....	36.83
	For Up To 8, Add	7.37
	For >8 To 16, Add	3.68
	For >48 To 64, Deduct	-2.72
	For >64 To 96, Deduct	-4.56
	For >96, Deduct	-6.40
31 05 13 00-0003	CY Screened/Washed Filter/Septic Sand .....	43.47
	For Up To 8, Add	8.69
	For >8 To 16, Add	4.35
	For >48 To 64, Deduct	-3.05
	For >64 To 96, Deduct	-5.23
	For >96, Deduct	-7.40
31 05 13 00-0004	CY 3/8" Minus, ASTM C33, Screened/Washed Bedding Sand .....	59.40
	For Up To 8, Add	11.88
	For >8 To 16, Add	5.94
	For >48 To 64, Deduct	-3.85
	For >64 To 96, Deduct	-6.82
	For >96, Deduct	-9.79
31 05 13 00-0005	CY 3/16" Minus, Screened/Washed Concrete Sand .....	53.42
	For Up To 8, Add	10.68
	For >8 To 16, Add	5.34
	For >48 To 64, Deduct	-3.55
	For >64 To 96, Deduct	-6.22
	For >96, Deduct	-8.89
31 05 13 00-0006	CY 3/32" Minus, Screened/Washed Masonry/Mortar Sand .....	94.58
	For Up To 8, Add	18.92
	For >8 To 16, Add	9.46
	For >48 To 64, Deduct	-5.61
	For >64 To 96, Deduct	-10.34
	For >96, Deduct	-15.07
31 05 13 00-0007	CY Common Fill, Native Soil/Dirt .....	38.58
	For Up To 8, Add	7.72
	For >8 To 16, Add	3.86
	For >48 To 64, Deduct	-2.81
	For >64 To 96, Deduct	-4.74
	For >96, Deduct	-6.67
31 05 13 00-0008	CY Lime Rock Screening .....	41.96
	For Up To 8, Add	8.39
	For >8 To 16, Add	4.20
	For >48 To 64, Deduct	-2.98
	For >64 To 96, Deduct	-5.08
	For >96, Deduct	-7.17
31 05 13 00-0009	CY Crushed Lime Rock Maximum 3-1/2" .....	41.96
	For Up To 8, Add	8.39
	For >8 To 16, Add	4.20
	For >48 To 64, Deduct	-2.98
	For >64 To 96, Deduct	-5.08
	For >96, Deduct	-7.17
31 05 13 00-0010	CY Sand/Clay .....	39.56
	For Up To 8, Add	7.91
	For >8 To 16, Add	3.96
	For >48 To 64, Deduct	-2.86
	For >64 To 96, Deduct	-4.84
	For >96, Deduct	-6.81
31 05 13 00-0011	CY Recycled Concrete Aggregate .....	37.72
	For Up To 8, Add	7.54
	For >8 To 16, Add	3.77
	For >48 To 64, Deduct	-2.77
	For >64 To 96, Deduct	-4.65
	For >96, Deduct	-6.54

**31 Earthwork**  
**31 05 Common Work Results for Earthwork**  
**31 05 13 Soils for Earthwork**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	31 05 13 00-0012	CY	Pitrun Clay .....	53.58	
			For Up To 8, Add	10.72	
			For >8 To 16, Add	5.36	
			For >48 To 64, Deduct	-3.56	
			For >64 To 96, Deduct	-6.24	
			For >96, Deduct	-8.92	
	31 05 13 00-0013	CY	Light Clay / Loam .....	44.53	
			For Up To 8, Add	8.91	
			For >8 To 16, Add	4.45	
			For >48 To 64, Deduct	-3.11	
			For >64 To 96, Deduct	-5.33	
			For >96, Deduct	-7.56	
	31 05 13 00-0014	CY	Heavy Clay .....	53.58	
			For Up To 8, Add	10.72	
			For >8 To 16, Add	5.36	
			For >48 To 64, Deduct	-3.56	
			For >64 To 96, Deduct	-6.24	
			For >96, Deduct	-8.92	

**31 05 16 Aggregates for Earthwork** (31 05 16)

See CSI section 01 74 19 00-0055 for hauling greater than 15 miles.

**31 05 16 00-0001 Aggregate (Loose, Purchased Material)** (31 05 16)

Note: Includes delivery up to 15 miles from the closest approved source, loading and dumping. Excludes spreading or backfilling. See CSI section 01 74 19 00-0055 for hauling greater than 15 miles, 01 74 19 00-0057 for hauling greater than 15 miles.

	31 05 16 00-0002	CY	#2 Stone Aggregate Fill (1-1/2" To 2-1/2" Clean) .....	55.82	
			For Up To 8, Add	11.16	
			For >8 To 16, Add	5.58	
			For >48 To 64, Deduct	-3.67	
			For >64 To 96, Deduct	-6.46	
			For >96, Deduct	-9.25	
	31 05 16 00-0003	CY	#3 Stone Aggregate Fill (1" To 2" Clean) .....	58.06	
			For Up To 8, Add	11.61	
			For >8 To 16, Add	5.81	
			For >48 To 64, Deduct	-3.78	
			For >64 To 96, Deduct	-6.69	
			For >96, Deduct	-9.59	
	31 05 16 00-0004	CY	#4 Stone Aggregate Fill (3/4" To 1-1/2" Clean) .....	55.82	
			For Up To 8, Add	11.16	
			For >8 To 16, Add	5.58	
			For >48 To 64, Deduct	-3.67	
			For >64 To 96, Deduct	-6.46	
			For >96, Deduct	-9.25	
	31 05 16 00-0005	CY	#5 Stone Aggregate Fill (1/2" To 1" Clean) .....	59.68	
			For Up To 8, Add	11.94	
			For >8 To 16, Add	5.97	
			For >48 To 64, Deduct	-3.86	
			For >64 To 96, Deduct	-6.85	
			For >96, Deduct	-9.83	
	31 05 16 00-0006	CY	#6 Stone Aggregate Fill (3/8" To 3/4" Clean) .....	61.97	
			For Up To 8, Add	12.39	
			For >8 To 16, Add	6.20	
			For >48 To 64, Deduct	-3.98	
			For >64 To 96, Deduct	-7.08	
			For >96, Deduct	-10.17	
	31 05 16 00-0007	CY	#56 Stone Aggregate Fill (3/8" To 1") .....	60.04	
			For Up To 8, Add	12.01	
			For >8 To 16, Add	6.00	
			For >48 To 64, Deduct	-3.88	
			For >64 To 96, Deduct	-6.88	
			For >96, Deduct	-9.89	
	31 05 16 00-0008	CY	#57 Stone Aggregate Fill (3/8" To 1") .....	64.01	
			For Up To 8, Add	12.80	
			For >8 To 16, Add	6.40	
			For >48 To 64, Deduct	-4.08	
			For >64 To 96, Deduct	-7.28	
			For >96, Deduct	-10.48	
	31 05 16 00-0009	CY	#67 Or #68 Stone Aggregate Fill (3/16" To 3/4") .....	57.94	
			For Up To 8, Add	11.59	
			For >8 To 16, Add	5.79	
			For >48 To 64, Deduct	-3.78	
			For >64 To 96, Deduct	-6.67	
			For >96, Deduct	-9.57	
	31 05 16 00-0010	CY	#7 Stone Aggregate Fill (3/8" To 1/2") .....	59.04	
			For Up To 8, Add	11.81	
			For >8 To 16, Add	5.90	
			For >48 To 64, Deduct	-3.83	
			For >64 To 96, Deduct	-6.78	
			For >96, Deduct	-9.74	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 05 16 00-0011 CY #78 Stone Aggregate Fill (3/32" To 1/2") .....	59.52	
For Up To 8, Add	11.90	
For >8 To 16, Add	5.95	
For >48 To 64, Deduct	-3.86	
For >64 To 96, Deduct	-6.83	
For >96, Deduct	-9.81	
31 05 16 00-0012 CY #8 Stone Aggregate Fill (3/32" To 3/8") .....	61.97	
For Up To 8, Add	12.39	
For >8 To 16, Add	6.20	
For >48 To 64, Deduct	-3.98	
For >64 To 96, Deduct	-7.08	
For >96, Deduct	-10.17	
31 05 16 00-0013 CY #89 Stone Aggregate Fill (1/16" To 3/8") .....	62.65	
For Up To 8, Add	12.53	
For >8 To 16, Add	6.27	
For >48 To 64, Deduct	-4.01	
For >64 To 96, Deduct	-7.14	
For >96, Deduct	-10.28	
31 05 16 00-0014 CY #9 Stone Aggregate Fill (3/32" To 3/16") .....	61.97	
For Up To 8, Add	12.39	
For >8 To 16, Add	6.20	
For >48 To 64, Deduct	-3.98	
For >64 To 96, Deduct	-7.08	
For >96, Deduct	-10.17	
31 05 16 00-0015 CY #10 Stone Aggregate Fill (1/16" To 3/16") .....	63.37	
For Up To 8, Add	12.67	
For >8 To 16, Add	6.34	
For >48 To 64, Deduct	-4.05	
For >64 To 96, Deduct	-7.22	
For >96, Deduct	-10.38	
31 05 16 00-0016 CY #610 Modified Stone Aggregate Fill (1/16" To 3/4") .....	62.65	
For Up To 8, Add	12.53	
For >8 To 16, Add	6.27	
For >48 To 64, Deduct	-4.01	
For >64 To 96, Deduct	-7.14	
For >96, Deduct	-10.28	
31 05 16 00-0017 CY Screenings Stone Aggregate Fill (3/16" Max) .....	52.68	
For Up To 8, Add	10.54	
For >8 To 16, Add	5.27	
For >48 To 64, Deduct	-3.51	
For >64 To 96, Deduct	-6.15	
For >96, Deduct	-8.78	
31 05 16 00-0018 CY Over 6" To 12" Stone Aggregate Fill, Random Size .....	57.19	
For Up To 8, Add	11.44	
For >8 To 16, Add	5.72	
For >48 To 64, Deduct	-3.74	
For >64 To 96, Deduct	-6.60	
For >96, Deduct	-9.46	
31 05 16 00-0019 CY Over 6" To 12" Graded Stone Aggregate Fill .....	57.19	
For Up To 8, Add	11.44	
For >8 To 16, Add	5.72	
For >48 To 64, Deduct	-3.74	
For >64 To 96, Deduct	-6.60	
For >96, Deduct	-9.46	
31 05 16 00-0020 CY 3" To 7" Surge Stone Aggregate Fill, Random Size .....	61.69	
For Up To 8, Add	12.34	
For >8 To 16, Add	6.17	
For >48 To 64, Deduct	-3.96	
For >64 To 96, Deduct	-7.05	
For >96, Deduct	-10.13	
31 05 16 00-0021 CY 3" To 7" Surge Stone Graded Aggregate Fill .....	64.90	
For Up To 8, Add	12.98	
For >8 To 16, Add	6.49	
For >48 To 64, Deduct	-4.12	
For >64 To 96, Deduct	-7.37	
For >96, Deduct	-10.61	
31 05 16 00-0022 CY Crusher Run Aggregate Fill (2-1/2" Minus) .....	36.99	
For Up To 8, Add	7.40	
For >8 To 16, Add	3.70	
For >48 To 64, Deduct	-2.73	
For >64 To 96, Deduct	-4.58	
For >96, Deduct	-6.43	
31 05 16 00-0023 CY Crusher Run Aggregate Fill (1-1/2" Minus) .....	40.52	
For Up To 8, Add	8.10	
For >8 To 16, Add	4.05	
For >48 To 64, Deduct	-2.91	
For >64 To 96, Deduct	-4.93	
For >96, Deduct	-6.96	
31 05 16 00-0024 CY Crusher Run Aggregate Fill (3/4" Minus) .....	38.23	
For Up To 8, Add	7.65	
For >8 To 16, Add	3.82	
For >48 To 64, Deduct	-2.79	
For >64 To 96, Deduct	-4.70	
For >96, Deduct	-6.61	

<b>31</b>	<b>Earthwork</b>
<b>31 05</b>	<b>Common Work Results for Earthwork</b>
<b>31 05 16</b>	<b>Aggregates for Earthwork</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 05 16 00-0025 CY Silica Sand #20 (For Playground Use Only) .....	168.46	
For Up To 8, Add	33.69	
For >8 To 16, Add	16.85	
For >48 To 64, Deduct	-9.30	
For >64 To 96, Deduct	-17.73	
For >96, Deduct	-26.15	
31 05 16 00-0026 CY Graded Aggregate Base Fill (3/4" Minus) Class II Base .....	57.49	
For Up To 8, Add	11.50	
For >8 To 16, Add	5.75	
For >48 To 64, Deduct	-3.75	
For >64 To 96, Deduct	-6.63	
For >96, Deduct	-9.50	
31 05 16 00-0027 CY Miscellaneous Crushed Base, Processed Concrete, Paving .....	65.04	
For Up To 8, Add	13.01	
For >8 To 16, Add	6.50	
For >48 To 64, Deduct	-4.13	
For >64 To 96, Deduct	-7.38	
For >96, Deduct	-10.64	

### 31 05 36 Equipment Delivery, Pickup, Mobilization and Demobilization <sup>(31)</sup>

<sup>(05)</sup>  
See CSI section 01 71 13 00-0001 for equipment delivery, pickup, mobilization and demobilization.

### 31 10 Site Clearing <sup>(31)</sup>

#### 31 11 Clearing and Grubbing <sup>(31 10)</sup>

##### 31 11 00 00-0001 Clear And Grub Roots And Stumps <sup>(31 11)</sup>

Note: Tree diameter (diameter at breast height) is the diameter of the tree trunk measured at 4.5' above ground level. Based on tree density (light, medium or heavy) to be removed. Excludes loading. See CSI section 31 13 13 00-0001 for small areas or individual trees removal.

31 11 00 00-0002 ACR Clear And Grub Light Trees Up To 6" Diameter, Cut And Chip .....	7,272.05
Note: Includes grub and removal of stump	
31 11 00 00-0003 ACR Clear And Grub Light Stumps Only Up To 6" Diameter .....	2,298.84
31 11 00 00-0004 ACR Clear And Grub Medium Trees Up To 10" Diameter, Cut And Chip .....	9,696.07
Note: Includes grub and removal of stump	
31 11 00 00-0005 ACR Clear And Grub Medium Stumps Only Up To 10" Diameter .....	3,831.40
31 11 00 00-0006 ACR Clear And Grub Heavy Trees Up To 16" Diameter, Cut And Chip .....	13,332.10
Note: Includes grub and removal of stump	
31 11 00 00-0007 ACR Clear And Grub Heavy Stumps Only Up To 16" Diameter .....	5,747.11
31 11 00 00-0008 ACR Clear And Grub Heavy Trees Up To 24" Diameter, Cut And Chip .....	19,392.14
Note: Includes grub and removal of stump	
31 11 00 00-0009 ACR Clear And Grub Heavy Stumps Only Up To 24" Diameter .....	8,045.96
31 11 00 00-0010 ACR Clearing By Machine - Light Brush Without Grub .....	324.07
31 11 00 00-0011 ACR Clearing By Machine - Medium Brush Without Grub .....	684.44
31 11 00 00-0012 ACR Clearing By Machine - Heavy Brush Without Grub .....	971.96
31 11 00 00-0013 ACR Chipping - Light Brush .....	2,586.08
31 11 00 00-0014 ACR Chipping - Medium Brush .....	3,325.12
31 11 00 00-0015 ACR Chipping - Heavy Brush .....	4,655.60

##### 31 11 00 00-0016 Loading Of Cleared And Grubbed Material <sup>(31 11)</sup>

See CSI section 01 74 19 00-0055 for hauling.

31 11 00 00-0017 CY Machine Loading Of Cleared And Grubbed Material .....	11.54
31 11 00 00-0018 CY Chute Loading Of Cleared And Grubbed Material .....	13.84
31 11 00 00-0019 CY Hand Loading Of Cleared And Grubbed Material .....	37.66
31 11 00 00-0020 CY Wheel And Ramp Loading Of Cleared And Grubbed Material .....	29.59

### 31 13 Selective Tree and Shrub Removal and Trimming <sup>(31 10)</sup>

#### 31 13 13 Selective Tree and Shrub Removal <sup>(31 13)</sup>

##### 31 13 13 00-0001 Individual Tree Removal <sup>(31 13 13)</sup>

Note: Includes sawing and chipping branches. Tree diameter, D.B.H. (Diameter At Breast Height) is the diameter of the tree trunk measured at 4.5' above ground elevation. Excludes stump removal or grinding.

31 13 13 00-0002 EA Up To 6" D.B.H. (Diameter At Breast Height) Tree Removal .....	606.01
Note: Includes cutting up tree, chipping and loading.	
31 13 13 00-0003 EA >6" To 12" D.B.H. (Diameter At Breast Height) Tree Removal .....	909.00
Note: Includes cutting up tree, chipping and loading.	
31 13 13 00-0004 EA >12" To 24" D.B.H. (Diameter At Breast Height) Tree Removal .....	1,212.01
Note: Includes cutting up tree, chipping and loading.	
31 13 13 00-0005 EA >24" To 36" D.B.H. (Diameter At Breast Height) Tree Removal .....	1,818.02
Note: Includes cutting up tree, chipping and loading.	
31 13 13 00-0006 EA >36" To 48" D.B.H. (Diameter At Breast Height) Tree Removal .....	2,424.02
Note: Includes cutting up tree, chipping and loading.	
31 13 13 00-0007 EA >48" To 60" D.B.H. (Diameter At Breast Height) Tree Removal .....	3,030.03
Note: Includes cutting up tree, chipping and loading.	
For Tree Removal Without Chipping Or Cutting Up Tree Into Smaller Pieces, Deduct	-757.51
31 13 13 00-0008 EA >60" To 72" D.B.H. (Diameter At Breast Height) Tree Removal .....	3,636.03
Note: Includes cutting up tree, chipping and loading.	
For Tree Removal Without Chipping Or Cutting Up Tree Into Smaller Pieces, Deduct	-909.01



<b>Earthwork</b>	<b>31</b>	<b>13</b>
Site Clearing	31 10	
Selective Tree and Shrub Removal and Trimming	31 13	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 13 13 00-0009 EA >72" To 84" D.B.H. (Diameter At Breast Height) Tree Removal.....	4,848.04	
Note: Includes cutting up tree, chipping and loading.		
<i>For Tree Removal Without Chipping Or Cutting Up Tree Into Smaller Pieces, Deduct</i>	-1,212.01	
<b>31 13 13 00-0010 Stump Removal</b> <small>(31 13 13)</small>		
Note: Measured by diameter of stump.		
<b>31 13 13 00-0011 Stump Removal By Machine</b> <small>(31 13 13 00-0010)</small>		
31 13 13 00-0012 EA Up To 6" Diameter Stump Removal.....	114.94	
Note: Includes excavation necessary to remove stump and loading.		
31 13 13 00-0013 EA >6" To 12" Diameter Stump Removal.....	220.30	
Note: Includes excavation necessary to remove stump and loading.		
31 13 13 00-0014 EA >12" To 24" Diameter Stump Removal.....	287.36	
Note: Includes excavation necessary to remove stump and loading.		
31 13 13 00-0015 EA >24" To 36" Diameter Stump Removal.....	431.05	
Note: Includes excavation necessary to remove stump and loading.		
31 13 13 00-0016 EA >36" To 48" Diameter Stump Removal.....	507.70	
Note: Includes excavation necessary to remove stump and loading.		
31 13 13 00-0017 EA >48" To 60" Diameter Stump Removal.....	597.70	
Note: Includes excavation necessary to remove stump and loading.		
31 13 13 00-0018 EA >60" To 72" Diameter Stump Removal.....	708.81	
Note: Includes excavation necessary to remove stump and loading.		
31 13 13 00-0019 EA >72" To 84" Diameter Stump Removal.....	833.33	
Note: Includes excavation necessary to remove stump and loading.		
<b>31 13 13 00-0020 Stump Removal By Hand</b> <small>(31 13 13 00-0010)</small>		
31 13 13 00-0021 EA Up To 6" Diameter Stump Removal By Hand.....	638.33	
Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.		
31 13 13 00-0022 EA >6" To 12" Diameter Stump Removal By Hand.....	797.90	
Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.		
31 13 13 00-0023 EA >12" To 24" Diameter Stump Removal By Hand.....	1,170.27	
Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.		
31 13 13 00-0024 EA >24" To 36" Diameter Stump Removal By Hand.....	1,595.82	
Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.		
31 13 13 00-0025 EA >36" To 48" Diameter Stump Removal By Hand.....	2,127.75	
Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.		
31 13 13 00-0026 EA >48" To 60" Diameter Stump Removal By Hand.....	2,659.69	
Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.		
31 13 13 00-0027 EA >60" To 72" Diameter Stump Removal By Hand.....	3,191.64	
Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.		
31 13 13 00-0028 EA >72" To 84" Diameter Stump Removal By Hand.....	3,723.57	
Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.		
<b>31 13 13 00-0029 Stump Grinding</b> <small>(31 13 13)</small>		
Note: Measured by diameter of stump.		
<b>31 13 13 00-0030 Stump Grinding, 18" Deep Below Surface Of Soil</b> <small>(31 13 13 00-0029)</small>		
Note: Level soil to match existing surface area.		
31 13 13 00-0031 EA Stump Grinding Up To 6" Tree.....	115.54	
<i>For 24" Depth, Add</i>	23.11	
31 13 13 00-0032 EA Stump Grinding >6" To 12" Tree.....	144.42	
<i>For 24" Depth, Add</i>	28.88	
31 13 13 00-0033 EA Stump Grinding >12" To 15" Tree.....	173.31	
<i>For 24" Depth, Add</i>	34.66	
31 13 13 00-0034 EA Stump Grinding >15" To 18" Tree.....	192.57	
<i>For 24" Depth, Add</i>	38.51	
31 13 13 00-0035 EA Stump Grinding >18" To 21" Tree.....	207.01	
<i>For 24" Depth, Add</i>	41.40	
31 13 13 00-0036 EA Stump Grinding >21" To 24" Tree.....	221.45	
<i>For 24" Depth, Add</i>	44.29	
31 13 13 00-0037 EA Stump Grinding >24" To 27" Tree.....	240.71	
<i>For 24" Depth, Add</i>	48.14	
31 13 13 00-0038 EA Stump Grinding >27" To 30" Tree.....	262.90	
<i>For 24" Depth, Add</i>	52.58	
31 13 13 00-0039 EA Stump Grinding >30" To 33" Tree.....	292.11	
<i>For 24" Depth, Add</i>	58.42	
31 13 13 00-0040 EA Stump Grinding >33" To 36" Tree.....	321.32	
<i>For 24" Depth, Add</i>	64.26	
31 13 13 00-0041 EA Stump Grinding >36" To 42" Tree.....	350.54	
<i>For 24" Depth, Add</i>	70.11	
31 13 13 00-0042 EA Stump Grinding >42" To 48" Tree.....	389.48	
<i>For 24" Depth, Add</i>	77.90	
31 13 13 00-0043 EA Stump Grinding >48" To 60" Tree.....	486.85	
<i>For 24" Depth, Add</i>	97.37	

**31 Earthwork****31 10 Site Clearing****31 13 Selective Tree and Shrub Removal and Trimming**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 13 13 00-0044 EA Stump Grinding >60" To 72" Tree..... <i>For 24" Depth, Add</i>	608.56 121.71	
31 13 13 00-0045 EA Stump Grinding >72" To 84" Tree..... <i>For 24" Depth, Add</i>	778.96 155.79	
<b>31 13 13 00-0046 Fallen Tree Removal</b> <sup>(31 13 13)</sup> Note: Includes sawing and chipping branches. Tree diameter, D.B.H. (Diameter At Breast Height) is the diameter of the tree trunk measured at 4.5' above ground elevation. Excludes stump removal or grinding. Excludes removing tree from ground.		
31 13 13 00-0047 EA Up To 6" D.B.H. (Diameter At Breast Height) Fallen Tree Removal ..... Note: Includes cutting up tree, chipping and loading. <i>For Tree Removal Without Chipping Or Cutting Up Tree Into Smaller Pieces, Deduct For &gt;25, Deduct</i>	484.80 -121.20 -60.60	
31 13 13 00-0048 EA >6" To 12" D.B.H. (Diameter At Breast Height) Fallen Tree Removal ..... Note: Includes cutting up tree, chipping and loading. <i>For Tree Removal Without Chipping Or Cutting Up Tree Into Smaller Pieces, Deduct For &gt;25, Deduct</i>	727.21 -181.80 -90.90	
31 13 13 00-0049 EA >12" To 24" D.B.H. (Diameter At Breast Height) Fallen Tree Removal ..... Note: Includes cutting up tree, chipping and loading. <i>For Tree Removal Without Chipping Or Cutting Up Tree Into Smaller Pieces, Deduct For &gt;10, Deduct</i>	969.60 -242.40 -96.96	
31 13 13 00-0050 EA >24" To 36" D.B.H. (Diameter At Breast Height) Fallen Tree Removal ..... Note: Includes cutting up tree, chipping and loading. <i>For Tree Removal Without Chipping Or Cutting Up Tree Into Smaller Pieces, Deduct For &gt;10, Deduct</i>	1,454.41 -363.60 -145.44	
31 13 13 00-0051 EA >36" To 48" D.B.H. (Diameter At Breast Height) Fallen Tree Removal ..... Note: Includes cutting up tree, chipping and loading. <i>For Tree Removal Without Chipping Or Cutting Up Tree Into Smaller Pieces, Deduct For &gt;10, Deduct</i>	1,939.22 -484.81 -193.92	
31 13 13 00-0052 EA >48" To 60" D.B.H. (Diameter At Breast Height) Fallen Tree Removal ..... Note: Includes cutting up tree, chipping and loading. <i>For Tree Removal Without Chipping Or Cutting Up Tree Into Smaller Pieces, Deduct For &gt;10, Deduct</i>	2,424.02 -606.01 -242.40	
<b>31 13 16 Selective Tree and Shrub Trimming</b> <sup>(31 13)</sup> See CSI section 32 01 90 23-0000 for tree pruning.		
<b>31 13 16 00-0001 Tree Trimming For Pole Line Construction And Maintenance</b> <sup>(31 13 16)</sup> Note: Area to be vertical cleared (including overhanging limbs) is minimum 20' wide (10' each side of structure) and 16' above ground. All materials to 6" D.B.H. (Diameter At Breast Height) to be chipped in place. Larger material may be chipped or disposed. Trees greater than 18" diameter use individual tree removal tasks. Quantity based on running foot of power line to be cleared.		
31 13 16 00-0002 LF Tree Trimming, Light Cutting To 6" Diameter For Pole Line Construction .....	1.93	
31 13 16 00-0003 LF Tree Trimming, Medium Cutting >6" To 12" Diameter For Pole Line Construction .....	2.89	
31 13 16 00-0004 LF Tree Trimming, Heavy Cutting >12" To 18" Diameter For Pole Line Construction .....	3.41	
<b>31 13 16 00-0005 Tree Branch Trimming And Removal For Maintenance Along Building Or Structure</b> <sup>(31 13 16)</sup> Note: Includes pick-up and placement of cut branches into chipper for removal. Excludes transportation from site or disposal fee. See CSI section 01 22 23 00-0105 for bucket truck where required for additional height.		
31 13 16 00-0006 EA Trim Tree Branch Minimum Charge.....	692.93	
31 13 16 00-0007 EA Up To 1" Diameter Branch, Up To 5' Length And Up To 10' From Ground, Trim Tree Branch From Building Or Structure .....	17.33	
31 13 16 00-0008 EA >1" To 2" Diameter Branch, Up To 5' Length And Up To 10' From Ground, Trim Tree Branch From Building Or Structure .....	19.49	
31 13 16 00-0009 EA >2" To 3" Diameter Branch, Up To 5' Length And Up To 10' From Ground, Trim Tree Branch From Building Or Structure .....	23.82	
31 13 16 00-0010 EA Up To 1" Diameter Branch, >5' To 10' Length And Up To 10' From Ground, Trim Tree Branch From Building Or Structure .....	21.65	
31 13 16 00-0011 EA >1" To 2" Diameter Branch, >5' To 10' Length And Up To 10' From Ground, Trim Tree Branch From Building Or Structure .....	24.36	
31 13 16 00-0012 EA >2" To 3" Diameter Branch, >5' To 10' Length And Up To 10' From Ground, Trim Tree Branch From Building Or Structure .....	29.77	
<b>31 20 Earth Moving</b> <sup>(31)</sup> Note: Per OSHA -Soil Classification - 1926 Subpart P App A. Light material: Class A site material, normally referred to as "easy digging". Consisting of loose, soft, free running materials. Close lying, which will fill blade, digger or bucket to capacity, and frequently provide a heaped load. Materials such as dry sand, small gravel, unpacked earth, loam, etc., would fall into this category. Medium material: Class B site material, normally referred to as "medium and tough, wet and sticky clay would be examples of this medium digging", consisting of harder materials that are not difficult to dig without assistance such as ripping, blasting, etc. Material break up with some bulkiness causing voids in digger or bucket. Materials such as packed earth, common earth with some clay, soil with less than 25% rock content would be examples of this category. Heavy/wet material: Class C site material, normally referred to as "hard digging", consisting of materials which may require some assistance in breaking up. Bulky and somewhat hard to penetrate materials would be found in this category and voids in dipper or bucket would be common. Materials such as very hard packed soil, with up to 50% to 70% rock content and hard category. Soil conditions will be determined by soil analysis to provide appropriate percentage (%) for the various types of soil conditions. Apply the percentages to the various soil types to generate an appropriate representation of the soil condition.		
<b>31 23 Excavation and Fill</b> <sup>(31 20)</sup>		



<b>Earthwork</b>	<b>31</b>	<b>13</b>
<b>Earth Moving</b>	<b>31 20</b>	
<b>Excavation and Fill</b>	<b>31 23</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>31 23 16</b>	<b>Excavation</b> <small>(31 23)</small>	
<b>31 23 16 13</b>	<b>Trenching</b> <small>(31 23 16)</small>	
	Note: Use this section for trenching operations even if the total project volume exceeds 500 CY. Use tasks for work by hand only for areas not accessible by machine.	
<b>31 23 16 13-0001</b>	<b>Excavation For Trenching By Machine</b> <small>(31 23 16 13)</small>	
	Note: Includes stockpiling excess materials and trimming sides and bottom of trench.	
31 23 16 13-0002	CY 12" Wide or Less, Excavation for Trenching by Machine in Soil .....	11.20
	<i>For Excavation In Light Material (Class A), Deduct</i>	-1.40
	<i>For Excavation In Heavy/Wet Material (Class C), Add</i>	4.48
	<i>For Up To 20, Add</i>	11.20
	<i>For &gt;20 To 50, Add</i>	8.40
	<i>For &gt;50 To 250, Add</i>	4.48
	<i>For &gt;250 To 500, Add</i>	1.68
	<i>For &gt;1,000, Deduct</i>	-1.68
31 23 16 13-0003	CY Over 12" Wide, Excavation for Trenching by Machine in Soil .....	7.39
	<i>For Excavation In Light Material (Class A), Deduct</i>	-0.92
	<i>For Excavation In Heavy/Wet Material (Class C), Add</i>	2.96
	<i>For Up To 20, Add</i>	7.39
	<i>For &gt;20 To 50, Add</i>	5.54
	<i>For &gt;50 To 250, Add</i>	2.96
	<i>For &gt;250 To 500, Add</i>	1.11
	<i>For &gt;1,000, Deduct</i>	-1.11
31 23 16 13-0004	CY 12" Wide or Less, Excavation for Trenching by Machine in Loose Rock .....	18.54
	Note: Includes compacted aggregate	
	<i>For Up To 20, Add</i>	18.54
	<i>For &gt;20 To 50, Add</i>	13.91
	<i>For &gt;50 To 250, Add</i>	7.42
	<i>For &gt;250 To 500, Add</i>	2.78
	<i>For &gt;1,000, Deduct</i>	-2.78
31 23 16 13-0005	CY Over 12" Wide, Excavation for Trenching by Machine in Loose Rock .....	13.13
	Note: Includes compacted aggregate	
	<i>For Up To 20, Add</i>	13.13
	<i>For &gt;20 To 50, Add</i>	9.85
	<i>For &gt;50 To 250, Add</i>	5.25
	<i>For &gt;250 To 500, Add</i>	1.97
	<i>For &gt;1,000, Deduct</i>	-1.97
<b>31 23 16 13-0006</b>	<b>Excavation For Trenching By Hand</b> <small>(31 23 16 13)</small>	
31 23 16 13-0007	CY Excavation For Trenching By Hand In Soil .....	124.26
	Note: Includes stockpiling excess materials and trimming sides and bottom of trench.	
31 23 16 13-0008	CY Excavation For Trenching By Hand In Loose Rock Or Compacted Aggregate .....	213.15
	Note: Includes stockpiling excess materials and trimming sides and bottom of trench.	
<b>31 23 16 13-0009</b>	<b>Backfilling Or Placing Subbase For Trenches</b> <small>(31 23 16 13)</small>	
	Note: With imported or stockpiled materials.	
31 23 16 13-0010	CY Backfilling or Placing Subbase for Trenches with Imported or Stockpiled Materials by Machine .....	4.08
	<i>For Up To 20, Add</i>	4.08
	<i>For &gt;20 To 50, Add</i>	3.06
	<i>For &gt;50 To 250, Add</i>	1.63
	<i>For &gt;250 To 500, Add</i>	0.61
	<i>For &gt;1,000, Deduct</i>	-0.61
31 23 16 13-0011	CY Backfilling or Placing Subbase for Trenches with Imported or Stockpiled Materials by Hand .....	34.52
<b>31 23 16 13-0012</b>	<b>Compaction Of Fill Or Subbase For Trenches</b> <small>(31 23 16 13)</small>	
	Note: Includes restoration of final grade.	
31 23 16 13-0013	CY Compaction of Fill or Subbase for Trenches by Vibratory Plate, Air Tamper, Etcetera .....	7.23
	<i>For Up To 20, Add</i>	7.23
	<i>For &gt;20 To 50, Add</i>	5.42
	<i>For &gt;50 To 250, Add</i>	2.89
	<i>For &gt;250 To 500, Add</i>	1.08
	<i>For &gt;1,000, Deduct</i>	-1.08
31 23 16 13-0014	CY Compaction of Fill or Subbase for Trenches by Hand .....	38.94
<b>31 23 16 13-0015</b>	<b>Loading Excess Material For Removal From Excavation For Trenches</b> <small>(31 23 16 13)</small>	
	Note: Includes hand work by laborer for clean-up. Not to be used when excavated material can be loaded directly into truck instead of stock-piling. See CSI section 01 74 19 00-0055 for hauling.	
31 23 16 13-0016	CY Load Excess Material by Machine for Removal from Excavation for Trenching .....	7.10
	<i>For Up To 20, Add</i>	7.10
	<i>For &gt;20 To 50, Add</i>	5.33
	<i>For &gt;50 To 250, Add</i>	2.84
	<i>For &gt;250 To 500, Add</i>	1.07
	<i>For &gt;1,000, Deduct</i>	-1.07
31 23 16 13-0017	CY Load Excess Material by Hand for Removal from Excavation for Trenching .....	91.12
<b>31 23 16 13-0018</b>	<b>Spread Excess Or Imported Material For Trenches</b> <small>(31 23 16 13)</small>	
	Note: Includes hand work by laborer for clean-up.	

<b>31</b>	<b>Earthwork</b>
<b>31 20</b>	<b>Earth Moving</b>
<b>31 23</b>	<b>Excavation and Fill</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 23 16 13-0019 CY Spread Excess Or Imported Material On Site With Machine .....	3.39	
For Up To 20, Add	3.39	
For >20 To 50, Add	2.54	
For >50 To 250, Add	1.36	
For >250 To 500, Add	0.51	
For >1,000, Deduct	-0.51	
<b>31 23 16 13-0020 Direct Burial (Plowed-in) Cable Or Piping By Machine</b> <small>(31 23 16 13)</small>		
Note: Includes trench, backfill, compaction and restoration of final grade.		
31 23 16 13-0021 LF Direct Burial of Cable or Piping up to 12" Deep .....	2.53	
31 23 16 13-0022 LF Direct Burial of Cable or Piping >12" to 24" Deep .....	2.78	
31 23 16 13-0023 LF Direct Burial of Cable or Piping >24" to 36" Deep .....	3.96	
31 23 16 13-0024 LF Direct Burial of Cable or Piping >36" to 48" Deep .....	4.46	
<b>31 23 16 13-0025 Utility Chain Trencher</b> <small>(31 23 16 13)</small>		
<b>31 23 16 13-0026 Utility Trench, Chain Trencher</b> <small>(31 23 16 13-0025)</small>		
Note: Earth left adjacent to trench.		
31 23 16 13-0027 LF 4" Wide, 12" Deep Trench, Medium Soil, Chain Trencher .....	1.37	
For >100 To 250, Deduct	-0.10	
For >250 To 500, Deduct	-0.21	
For >500, Deduct	-0.41	
31 23 16 13-0028 LF 4" Wide, 18" Deep Trench, Medium Soil, Chain Trencher .....	1.50	
For >100 To 250, Deduct	-0.11	
For >250 To 500, Deduct	-0.23	
For >500, Deduct	-0.45	
31 23 16 13-0029 LF 4" Wide, 24" Deep Trench, Medium Soil, Chain Trencher .....	1.56	
For >100 To 250, Deduct	-0.11	
For >250 To 500, Deduct	-0.23	
For >500, Deduct	-0.47	
31 23 16 13-0030 LF 6" Wide, 12" Deep Trench, Medium Soil, Chain Trencher .....	1.64	
For >100 To 250, Deduct	-0.11	
For >250 To 500, Deduct	-0.25	
For >500, Deduct	-0.49	
31 23 16 13-0031 LF 6" Wide, 18" Deep Trench, Medium Soil, Chain Trencher .....	1.80	
For >100 To 250, Deduct	-0.13	
For >250 To 500, Deduct	-0.27	
For >500, Deduct	-0.54	
31 23 16 13-0032 LF 6" Wide, 24" Deep Trench, Medium Soil, Chain Trencher .....	2.05	
For >100 To 250, Deduct	-0.14	
For >250 To 500, Deduct	-0.31	
For >500, Deduct	-0.62	
31 23 16 13-0033 LF 6" Wide, 36" Deep Trench, Medium Soil, Chain Trencher .....	2.47	
For >100 To 250, Deduct	-0.17	
For >250 To 500, Deduct	-0.37	
For >500, Deduct	-0.74	
31 23 16 13-0034 LF 8" Wide, 12" Deep Trench, Medium Soil, Chain Trencher .....	2.34	
For >100 To 250, Deduct	-0.16	
For >250 To 500, Deduct	-0.35	
For >500, Deduct	-0.70	
31 23 16 13-0035 LF 8" Wide, 18" Deep Trench, Medium Soil, Chain Trencher .....	2.74	
For >100 To 250, Deduct	-0.19	
For >250 To 500, Deduct	-0.41	
For >500, Deduct	-0.82	
31 23 16 13-0036 LF 8" Wide, 24" Deep Trench, Medium Soil, Chain Trencher .....	3.12	
For >100 To 250, Deduct	-0.22	
For >250 To 500, Deduct	-0.47	
For >500, Deduct	-0.94	
31 23 16 13-0037 LF 8" Wide, 36" Deep Trench, Medium Soil, Chain Trencher .....	3.69	
For >100 To 250, Deduct	-0.26	
For >250 To 500, Deduct	-0.55	
For >500, Deduct	-1.11	
<b>31 23 16 13-0038 Backfill Trenches With Compaction</b> <small>(31 23 16 13-0025)</small>		
31 23 16 13-0039 LF Backfill 4" Wide, 12" Deep Trench, With Compaction .....	0.21	
For >100 To 250, Deduct	-0.01	
For >250 To 500, Deduct	-0.03	
For >500, Deduct	-0.06	
31 23 16 13-0040 LF Backfill 4" Wide, 18" Deep Trench, With Compaction .....	0.33	
For >100 To 250, Deduct	-0.02	
For >250 To 500, Deduct	-0.05	
For >500, Deduct	-0.10	
31 23 16 13-0041 LF Backfill 4" Wide, 24" Deep Trench, With Compaction .....	0.45	
For >100 To 250, Deduct	-0.03	
For >250 To 500, Deduct	-0.07	
For >500, Deduct	-0.14	
31 23 16 13-0042 LF Backfill 6" Wide, 12" Deep Trench, With Compaction .....	0.33	
For >100 To 250, Deduct	-0.02	
For >250 To 500, Deduct	-0.05	
For >500, Deduct	-0.10	



<b>Earthwork</b>	<b>31</b>	<b>13</b>
<b>Earth Moving</b>	<b>31 20</b>	
<b>Excavation and Fill</b>	<b>31 23</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 23 16 13-0043 LF Backfill 6" Wide, 18" Deep Trench, With Compaction.....	0.45	
For >100 To 250, Deduct	-0.03	
For >250 To 500, Deduct	-0.07	
For >500, Deduct	-0.14	
31 23 16 13-0044 LF Backfill 6" Wide, 24" Deep Trench, With Compaction.....	0.67	
For >100 To 250, Deduct	-0.05	
For >250 To 500, Deduct	-0.10	
For >500, Deduct	-0.20	
31 23 16 13-0045 LF Backfill 6" Wide, 36" Deep Trench, With Compaction.....	0.96	
For >100 To 250, Deduct	-0.07	
For >250 To 500, Deduct	-0.14	
For >500, Deduct	-0.29	
31 23 16 13-0046 LF Backfill 8" Wide, 12" Deep Trench, With Compaction.....	0.45	
For >100 To 250, Deduct	-0.03	
For >250 To 500, Deduct	-0.07	
For >500, Deduct	-0.14	
31 23 16 13-0047 LF Backfill 8" Wide, 18" Deep Trench, With Compaction.....	0.67	
For >100 To 250, Deduct	-0.05	
For >250 To 500, Deduct	-0.10	
For >500, Deduct	-0.20	
31 23 16 13-0048 LF Backfill 8" Wide, 24" Deep Trench, With Compaction.....	0.90	
For >100 To 250, Deduct	-0.06	
For >250 To 500, Deduct	-0.14	
For >500, Deduct	-0.27	
31 23 16 13-0049 LF Backfill 8" Wide, 36" Deep Trench, With Compaction.....	1.33	
For >100 To 250, Deduct	-0.09	
For >250 To 500, Deduct	-0.20	
For >500, Deduct	-0.40	

**31 23 16 16 Structural Excavation for Minor Structures (31 23 16)**

**31 23 16 16-0001 Post Holes (31 23 16 16)**  
 Note: Excludes spreading of excess material on site or loading and removal of excavated material from site.

**31 23 16 16-0002 Drilling Post Hole In Soil (31 23 16 16-0001)**  
 Note: Auger by machine unless otherwise notified by owner.

31 23 16 16-0003 VLF Up To 2-1/2" Diameter Hole, Auger By Machine Post Hole In Soil .....	9.52
31 23 16 16-0004 VLF 2-1/2" Diameter Hole, Auger By Machine Post Hole In Soil .....	10.72
31 23 16 16-0005 VLF 3" Diameter Hole, Auger By Machine Post Hole In Soil .....	12.70
31 23 16 16-0006 VLF 4" Diameter Hole, Auger By Machine Post Hole In Soil .....	14.29
31 23 16 16-0007 VLF 6" Diameter Hole, Auger By Machine Post Hole In Soil .....	15.58
31 23 16 16-0008 VLF 8" Diameter Hole, Auger By Machine Post Hole In Soil .....	17.14
31 23 16 16-0009 VLF 10" Diameter Hole, Auger By Machine Post Hole In Soil .....	19.05
31 23 16 16-0010 VLF 12" Diameter Hole, Auger By Machine Post Hole In Soil .....	21.43
31 23 16 16-0011 VLF 18" Diameter Hole, Auger By Machine Post Hole In Soil .....	24.49
31 23 16 16-0012 VLF 24" Diameter Hole, Auger By Machine Post Hole In Soil .....	28.57
31 23 16 16-0013 VLF 30" Diameter Hole, Auger By Machine Post Hole In Soil .....	34.29
31 23 16 16-0014 VLF 36" Diameter Hole, Auger By Machine Post Hole In Soil .....	42.87

**31 23 16 16-0015 Drilling Post Hole In Rock (31 23 16 16-0001)**

31 23 16 16-0016 CF Jackhammer Post Hole, Rock.....	70.27
31 23 16 16-0017 CF Rock Drill Post Hole, Rock.....	20.72

**31 23 16 16-0018 Post Hole Fill (31 23 16 16-0001)**

**31 23 16 16-0019 Concrete Fill (31 23 16 16-0018)**

31 23 16 16-0020 VLF Concrete Fill, Up To 2-1/2" Diameter Hole.....	5.99
31 23 16 16-0021 VLF Concrete Fill, 2-1/2" Diameter Hole .....	7.68
31 23 16 16-0022 VLF Concrete Fill, 3" Diameter Hole .....	8.52
31 23 16 16-0023 VLF Concrete Fill, 4" Diameter Hole .....	9.93
31 23 16 16-0024 VLF Concrete Fill, 6" Diameter Hole .....	14.09
31 23 16 16-0025 VLF Concrete Fill, 8" Diameter Hole .....	18.82
31 23 16 16-0026 VLF Concrete Fill, 10" Diameter Hole .....	23.06
31 23 16 16-0027 VLF Concrete Fill, 12" Diameter Hole .....	26.97
31 23 16 16-0028 VLF Concrete Fill, 18" Diameter Hole .....	37.16
31 23 16 16-0029 VLF Concrete Fill, 24" Diameter Hole .....	46.53
31 23 16 16-0030 VLF Concrete Fill, 30" Diameter Hole .....	55.70
31 23 16 16-0031 VLF Concrete Fill, 36" Diameter Hole .....	65.28

**31 23 16 16-0032 Grout Fill (31 23 16 16-0018)**

31 23 16 16-0033 VLF Grout Fill, Up To 2-1/2" Diameter Hole .....	6.98
31 23 16 16-0034 VLF Grout Fill, 2-1/2" Diameter Hole.....	8.96
31 23 16 16-0035 VLF Grout Fill, 3" Diameter Hole .....	9.82
31 23 16 16-0036 VLF Grout Fill, 4" Diameter Hole .....	11.19
31 23 16 16-0037 VLF Grout Fill, 6" Diameter Hole .....	15.73
31 23 16 16-0038 VLF Grout Fill, 8" Diameter Hole .....	20.99
31 23 16 16-0039 VLF Grout Fill, 10" Diameter Hole .....	25.64
31 23 16 16-0040 VLF Grout Fill, 12" Diameter Hole .....	29.85
31 23 16 16-0041 VLF Grout Fill, 18" Diameter Hole .....	40.38

<b>31</b>	<b>31 Earthwork</b>
	<b>31 20 Earth Moving</b>
	<b>31 23 Excavation and Fill</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 23 16 16-0042 VLF Grout Fill, 24" Diameter Hole .....	49.80	
31 23 16 16-0043 VLF Grout Fill, 30" Diameter Hole .....	58.98	
31 23 16 16-0044 VLF Grout Fill, 36" Diameter Hole .....	68.46	
<b>31 23 16 16-0045 Earth Fill, Compacted</b> <small>(31 23 16 16-0018)</small>		
31 23 16 16-0046 VLF Earth Fill, Up To 2-1/2" Diameter Hole.....	4.61	
31 23 16 16-0047 VLF Earth Fill, 2-1/2" Diameter Hole .....	6.00	
31 23 16 16-0048 VLF Earth Fill, 3" Diameter Hole.....	6.27	
31 23 16 16-0049 VLF Earth Fill, 4" Diameter Hole.....	6.46	
31 23 16 16-0050 VLF Earth Fill, 6" Diameter Hole.....	8.63	
31 23 16 16-0051 VLF Earth Fill, 8" Diameter Hole.....	11.50	
31 23 16 16-0052 VLF Earth Fill, 10" Diameter Hole.....	13.81	
31 23 16 16-0053 VLF Earth Fill, 12" Diameter Hole.....	15.65	
31 23 16 16-0054 VLF Earth Fill, 18" Diameter Hole.....	19.07	
31 23 16 16-0055 VLF Earth Fill, 24" Diameter Hole.....	21.40	
31 23 16 16-0056 VLF Earth Fill, 30" Diameter Hole.....	23.47	
31 23 16 16-0057 VLF Earth Fill, 36" Diameter Hole.....	25.31	
<b>31 23 16 26 Rock Removal</b> <small>(31 23 16)</small>		
<b>31 23 16 26-0001 Rock Breaking By Machine</b> <small>(31 23 16 26)</small>		
Note: Excludes excavation of broken-up rock.		
31 23 16 26-0002 CY Rock Breaking By Machine, Soft Sedimentary Rocks (Shale, Sandstone, Limestone) .....	29.64	
31 23 16 26-0003 CY Rock Breaking By Machine, Medium Metamorphic Rock (Slate).....	31.63	
31 23 16 26-0004 CY Rock Breaking By Machine, Hard Igneous Rock (Granite, Basalt) .....	37.55	
<b>31 23 16 33 Bulk Excavation</b> <small>(31 23 16)</small>		
Note: For excavations where the total quantity for a project is greater than 500 cubic yards. See CSI section 31 05 16 00-0000 for imported material, 31 23 16 36-0000 for For less than 500 CY excavation.		
<b>31 23 16 33-0001 Excavation</b> <small>(31 23 16 33)</small>		
Note: For bulk excavation. Includes stockpiling excavated materials within 100' of point of excavation.		
31 23 16 33-0002 CY Bulk Excavation by Dozer in Soil .....	10.62	
<i>For Excavation In Light Material (Class A), Deduct</i>		
	-1.33	
<i>For Excavation In Heavy/Wet Material (Class C), Add</i>		
	4.25	
<i>For &gt;1,000, Deduct</i>		
	-1.59	
31 23 16 33-0003 CY Bulk Excavation by Hydraulic Excavator, Front End Loader, Backhoe in Soil .....	5.96	
<i>For Excavation In Light Material (Class A), Deduct</i>		
	-0.75	
<i>For Excavation In Heavy/Wet Material (Class C), Add</i>		
	2.38	
<i>For &gt;1,000, Deduct</i>		
	-0.89	
31 23 16 33-0004 CY Bulk Excavation by Dozer in Loose Rock .....	13.06	
Note: Includes compacted aggregate		
<i>For &gt;1,000, Deduct</i>		
	-1.96	
31 23 16 33-0005 CY Bulk Excavation by Hydraulic Excavator, Front End Loader, Backhoe in Loose Rock .....	7.34	
Note: Includes compacted aggregate		
<i>For &gt;1,000, Deduct</i>		
	-1.10	
<b>31 23 16 33-0006 Spreading, Shaping And Rough Grading</b> <small>(31 23 16 33)</small>		
Note: Imported or stockpiled material for bulk excavation.		
31 23 16 33-0007 CY Spreading, Shaping, and Rough Grading Imported or Stockpiled Material for Bulk Excavation by Machine .....	6.55	
<i>For &gt;1,000, Deduct</i>		
	-0.98	
<b>31 23 16 33-0008 Cutting, Shaping and Rough Grading Of Existing Elevations</b> <small>(31 23 16 33)</small>		
Note: For bulk excavation.		
31 23 16 33-0009 CY Cutting, Shaping and Rough Grading Existing Elevations For Bulk Excavation by Machine .....	7.28	
<i>For &gt;1,000, Deduct</i>		
	-1.09	
<b>31 23 16 33-0010 Relocating On Site Excavated Material From Excavation</b> <small>(31 23 16 33)</small>		
Note: For bulk excavation.		
31 23 16 33-0011 CY Relocating On Site Excavated Material From Bulk Excavation >100' to 300' .....	5.82	
<i>For &gt;1,000, Deduct</i>		
	-0.87	
31 23 16 33-0012 CY Relocating On Site Excavated Material From Bulk Excavation >300' to 500' .....	8.73	
<i>For &gt;1,000, Deduct</i>		
	-1.31	
31 23 16 33-0013 CY Relocating On Site Excavated Material From Bulk Excavation >500' To 1,000' .....	13.10	
<i>For &gt;1,000, Deduct</i>		
	-1.97	
31 23 16 33-0014 CY Relocating On Site Excavated Material From Bulk Excavation >1,000' .....	17.47	
<i>For &gt;1,000, Deduct</i>		
	-2.62	
<b>31 23 16 33-0015 Finish Grading</b> <small>(31 23 16 33)</small>		
Note: For bulk excavation.		
31 23 16 33-0016 SY Finish Grading for Bulk Excavation by Machine.....	0.73	
<b>31 23 16 33-0017 Compaction Of Fill Or Subbase, Per Lift</b> <small>(31 23 16 33)</small>		
Note: For bulk excavation. See CSI section 31 23 23 23-0001 for compaction water.		





<b>Earthwork</b>	<b>31</b>	<b>13</b>
<b>Earth Moving</b>	<b>31 20</b>	
<b>Excavation and Fill</b>	<b>31 23</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 23 16 33-0018 SY Compaction of Fill or Subbase for Bulk Excavation by Machine ..... Note: Per Lift	0.73	
<b>31 23 16 33-0019 Loading Excess Material For Removal From Excavation</b> <small>(31 23 16 33)</small> Note: For bulk excavation. Includes hand work by laborer for clean-up. Not to be used when excavated material can be loaded directly into truck instead of stock-piling. See CSI section 01 74 19 00-0055 for hauling.		
31 23 16 33-0020 CY Loading Excess Material For Removal From Bulk Excavation ..... For >1,000, Deduct	6.08 -0.91	
<b>31 23 16 36 Excavation for Building Foundations and Other Structures</b> <small>(31 23 16)</small> Note: Use of a Bobcat is limited to access restricted areas and by owner's approval. See CSI section 31 05 16 00-0000 for imported material, 31 23 16 33-0000 for bulk excavation operations over 500 CY.		
<b>31 23 16 36-0001 Excavation</b> <small>(31 23 16 36)</small> Note: For building foundations and other structures by machine. Includes stockpiling of excess materials on ground in reach of excavated area.		
<b>31 23 16 36-0002 Excavation For Building Foundations And Other Structures By Skid-Steer Loader</b> <small>(31 23 16 36-0001)</small>		
31 23 16 36-0003 CY Excavation For Building Foundations And Other Structures By Skid-Steer Loader In Soil ..... For Excavation In Light Material (Class A), Deduct For Excavation In Heavy/Wet Material (Class C), Add For Up To 20, Add For >20 To 50, Add For >50 To 250, Add For >250 To 500, Add	9.46 -1.18 3.78 9.46 7.10 3.78 1.42	
31 23 16 36-0004 CY Excavation For Building Foundations And Other Structures By Skid-Steer Loader In Loose Rock ..... Note: Includes compacted aggregate For Up To 20, Add For >20 To 50, Add For >50 To 250, Add For >250 To 500, Add	11.76 11.76 8.82 4.70 1.76	
<b>31 23 16 36-0005 Excavation For Building Foundations And Other Structures By Hydraulic Excavator, Backhoe, Loader</b> <small>(31 23 16 36-0001)</small>		
31 23 16 36-0006 CY Excavation For Building Foundations And Other Structures By Hydraulic Excavator, Backhoe, Loader in Soil ..... For Excavation In Light Material (Class A), Deduct For Excavation In Heavy/Wet Material (Class C), Add For Up To 20, Add For >20 To 50, Add For >50 To 250, Add For >250 To 500, Add	7.16 -0.90 2.86 7.16 5.37 2.86 1.07	
31 23 16 36-0007 CY Excavation For Building Foundations And Other Structures By Hydraulic Excavator, Backhoe, Loader in Loose Rock ..... Note: Includes compacted aggregate For Up To 20, Add For >20 To 50, Add For >50 To 250, Add For >250 To 500, Add	8.52 8.52 6.39 3.41 1.28	
<b>31 23 16 36-0008 Excavation For Building Foundations And Other Structures By Hand</b> <small>(31 23 16 36-0001)</small> Note: For areas not accessible by machine and only with owner's approval.		
31 23 16 36-0009 CY Excavation For Building Foundations And Other Structures By Hand in Soil ..... For Excavation In Light Material (Class A), Deduct For Excavation In Heavy/Wet Material (Class C), Add	124.26 -15.53 49.70	
31 23 16 36-0010 CY Excavation For Building Foundations And Other Structures By Hand in Loose Rock ..... Note: Includes compacted aggregate	213.15	
<b>31 23 16 36-0011 Relocating On Site Excavated Stockpiled Material From Excavation</b> <small>(31 23 16 36)</small> Note: For building foundations and other structures.		
31 23 16 36-0012 CY Relocating On Site Excavated Stockpiled Material With Dozer From Excavation For Building Foundations and Other Structures >100' to 300' ..... For Up To 20, Add For >20 To 50, Add For >50 To 250, Add For >250 To 500, Add	5.82 5.82 4.37 2.33 0.87	
31 23 16 36-0013 CY Relocating On Site Excavated Stockpiled Material With Dozer From Excavation For Building Foundations and Other Structures >300' to 500' ..... For Up To 20, Add For >20 To 50, Add For >50 To 250, Add For >250 To 500, Add	8.73 8.73 6.55 3.49 1.31	
31 23 16 36-0014 CY Relocating On Site Excavated Stockpiled Material With Dozer From Excavation For Building Foundations and Other Structures >500' to 1,000' ..... For Up To 20, Add For >20 To 50, Add For >50 To 250, Add For >250 To 500, Add	13.10 13.10 9.83 5.24 1.97	

<b>31</b>	<b>Earthwork</b>
<b>31 20</b>	<b>Earth Moving</b>
<b>31 23</b>	<b>Excavation and Fill</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 23 16 36-0015 CY Relocating On Site Excavated Stockpiled Material With Dozer From Excavation For Building Foundations and Other Structures >1,000'.....	17.47	
For Up To 20, Add	17.47	
For >20 To 50, Add	13.10	
For >50 To 250, Add	6.99	
For >250 To 500, Add	2.62	
<b>31 23 16 36-0016 Backfilling</b> <small>(31 23 16 36)</small>		
Note: For building foundations and other structures with imported or stockpiled materials. Includes rough grading each backfill lift.		
31 23 16 36-0017 CY Backfilling Around Building Foundations And Other Structures By Skid-Steer Loader .....	4.67	
For Up To 20, Add	4.67	
For >20 To 50, Add	3.50	
For >50 To 250, Add	1.87	
For >250 To 500, Add	0.70	
31 23 16 36-0018 CY Backfilling Around Building Foundations And Other Structures By Hydraulic Excavator, Backhoe, Loader .....	5.54	
For Up To 20, Add	5.54	
For >20 To 50, Add	4.16	
For >50 To 250, Add	2.22	
For >250 To 500, Add	0.83	
31 23 16 36-0019 CY Backfilling Around Building Foundations And Other Structures By Hand .....	59.17	
<b>31 23 16 36-0020 Compaction Of Fill Or Subbase</b> <small>(31 23 16 36)</small>		
Note: For building foundations and other structures. See CSI section 31 23 23 23-0001 for compaction water.		
31 23 16 36-0021 CY Compaction Of Fill Or Subbase For Building Foundations and Other Structures by Vibratory Plate, Air Tamper, Etcetera .....	11.45	
For Up To 20, Add	11.45	
For >20 To 50, Add	8.59	
For >50 To 250, Add	4.58	
For >250 To 500, Add	1.72	
31 23 16 36-0022 CY Compaction Of Fill Or Subbase For Building Foundations and Other Structures by Hand .....	38.93	
<b>31 23 16 36-0023 Grading</b> <small>(31 23 16 36)</small>		
Note: For building foundations and other structures.		
31 23 16 36-0024 SY Rough Grading For Building Foundations And Other Structures by Machine .....	1.26	
31 23 16 36-0025 SY Finish Grading For Building Foundations And Other Structures by Machine .....	2.03	
31 23 16 36-0026 SY Finish Grading For Building Foundations And Other Structures by Hand .....	11.50	
<b>31 23 16 36-0027 Loading Excess Material For Removal From Excavation</b> <small>(31 23 16 36)</small>		
Note: For building foundations and other structures. Includes hand work by laborer for clean-up. Not to be used when excavated material can be loaded directly into truck instead of stock-piling. See CSI section 01 74 19 00-0055 for hauling.		
31 23 16 36-0028 CY Load Excess Material For Removal From Excavation For Building Foundations and Other Structures by Machine .....	6.33	
For Up To 20, Add	6.33	
For >20 To 50, Add	4.75	
For >50 To 250, Add	2.53	
For >250 To 500, Add	0.95	
31 23 16 36-0029 CY Load Excess Material For Removal From Excavation For Building Foundations and Other Structures by Hand .....	91.12	
<b>31 23 16 36-0030 Spread Material</b> <small>(31 23 16 36)</small>		
Note: For building foundations and other structures.		
31 23 16 36-0031 CY Spread Excess Or Imported Material On Site By Machine .....	3.39	
For Up To 20, Add	3.39	
For >20 To 50, Add	2.54	
For >50 To 250, Add	1.36	
For >250 To 500, Add	0.51	
31 23 16 36-0032 CY Spread Excess Or Imported Material On Site By Hand .....	50.28	
<b>31 23 19 Dewatering</b> <small>(31 23)</small>		
<b>31 23 19 00-0001 Well Point Dewatering System</b> <small>(31 23 19)</small>		
<b>31 23 19 00-0002 Delivery, Installation And Removal Cost</b> <small>(31 23 19 00-0001)</small>		
Note: Priced by linear foot of header used.		
31 23 19 00-0003 LF Up To 100' In Length Well Point System Delivery, Installation And Removal .....	129.86	
31 23 19 00-0004 LF >100' To 250' In Length Well Point System Delivery, Installation And Removal .....	71.42	
31 23 19 00-0005 LF >250' To 500' In Length Well Point System Delivery, Installation And Removal .....	64.93	
31 23 19 00-0006 LF >250' To 500' In Length Well Point System Delivery, Installation And Removal .....	58.44	
31 23 19 00-0007 LF >500' To 1,000' In Length Well Point System Delivery, Installation And Removal .....	51.94	
31 23 19 00-0008 LF >1,000' In Length Well Point System Delivery, Installation And Removal .....	45.45	



<b>Earthwork</b>	<b>31</b>	<b>13</b>
<b>Earth Moving</b>	<b>31 20</b>	
<b>Excavation and Fill</b>	<b>31 23</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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31 23 19 00-0009	<b>Well Point Dewatering System Rental</b> <small>(31 23 19 00-0001)</small> Note: Includes all necessary equipment for a well point system (well point with risers, pump, valves, header pipe, discharge pipe, etc.). Use normal adjustment factor only for rental tasks and modifiers. Unit of measure and modifier quantities are based on linear feet of header per day (ex. 200 ft of header for four days - quantity should be 200x4 or 800 ft). Rental days include weekends, when appropriate, regardless if the system is operational during that time. Use weekly modifier for system use of five days to less than a month. Use monthly modifier for system use of one month or greater. See CSI section 31 23 19 00-0002 for installation, 31 23 19 00-0015 for operational costs.	
31 23 19 00-0010	LFD Up To 100' In Length Well Point System Rental (LF x Days = Quantity) ..... 4.26 <i>For &gt;5 Days And &lt;1 Month, Deduct</i> ..... -0.94 <i>For &gt;1 Month, Deduct</i> ..... -1.19	
31 23 19 00-0011	LFD >100' To 250' In Length Well Point System Rental (LF x Days = Quantity) ..... 2.49 <i>For &gt;5 Days And &lt;1 Month, Deduct</i> ..... -0.55 <i>For &gt;1 Month, Deduct</i> ..... -0.70	
31 23 19 00-0012	LFD >250' To 500' In Length Well Point System Rental (LF x Days = Quantity) ..... 1.77 <i>For &gt;5 Days And &lt;1 Month, Deduct</i> ..... -0.39 <i>For &gt;1 Month, Deduct</i> ..... -0.50	
31 23 19 00-0013	LFD >500' To 1,000' In Length Well Point System Rental (LF x Days = Quantity) ..... 1.30 <i>For &gt;5 Days And &lt;1 Month, Deduct</i> ..... -0.29 <i>For &gt;1 Month, Deduct</i> ..... -0.36	
31 23 19 00-0014	LFD >1,000' In Length Well Point System Rental (LF x Days = Quantity) ..... 1.18 <i>For &gt;5 Days And &lt;1 Month, Deduct</i> ..... -0.26 <i>For &gt;1 Month, Deduct</i> ..... -0.33	

31 23 19 00-0015	<b>Well Point Dewatering System Operation Costs</b> <small>(31 23 19 00-0001)</small> Note: The quantity for operation shall be the total number of hours the well point system is operational.	
31 23 19 00-0016	HR Operation Costs ..... 111.90	

**31 23 23 Fill** (31 23)

**31 23 23 23 Compaction** (31 23 23)

**31 23 23 23-0001 Compaction Water, Water Truck And Operator** (31 23 23 23)

31 23 23 23-0002	MGL Compaction Water, Water Truck And Operator ..... 278.75 Note: Use this task in situations where earth fill, base material, etc. requires additional moisture to comply with the compaction specification. Includes delivery up to 15 miles. (Per each 1,000 gallons of water)	
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**31 23 23 33 Flowable Fill** (31 23 23)

**31 23 23 33-0001 Flowable Fill (Fly Ash) Cement Backfill For Trenches** (31 23 23 33)

31 23 23 33-0002	CY Flowable Fill (Fly Ash) Cement Backfill for Trenches ..... 139.02 <i>For Up To 20, Add</i> ..... 56.63 <i>For &gt;20 To 50, Add</i> ..... 36.76 <i>For &gt;50 To 250, Add</i> ..... 18.38 <i>For &gt;500 To 1,000, Deduct</i> ..... -9.94 <i>For &gt;1,000, Deduct</i> ..... -19.87	
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**31 24 Embankments** (31 20)

**31 24 13 Roadway Embankments** (31 24)

**31 24 13 00-0001 Roadway, Parking Areas, Landscaping And Embankment Excavation And Shaping Operations** (31 24 13)

Note: Use this section for excavation and shaping operations even if the total quantity for the project exceeds 500 CY. See CSI section 31 05 16 00-0000 for imported material, 32 12 16 00-0000 for asphalt paving, 32 13 13 00-0000 for concrete paving.

**31 24 13 00-0002 Cutting, Shaping And Rough Grading** (31 24 13 00-0001)

Note: For roadways, parking areas, landscaping, and embankments. Includes loading or stockpiling excess materials within 300' of initial cut.

**31 24 13 00-0003 Cutting, Shaping, And Rough Grading** (31 24 13 00-0002)

31 24 13 00-0004	CY Cut, Shape, and Rough Grading for Roadways, Parking Areas, Landscaping and Embankments by Machine in Soil ..... 7.28 <i>For Up To 20, Add</i> ..... 7.28 <i>For &gt;20 To 50, Add</i> ..... 5.46 <i>For &gt;50 To 250, Add</i> ..... 2.91 <i>For &gt;250 To 500, Add</i> ..... 1.09 <i>For &gt;1,000, Deduct</i> ..... -1.09	
31 24 13 00-0005	CY Cut, Shape, and Rough Grading for Roadways, Parking Areas, Landscaping and Embankments by Machine in Loose Rock ..... 9.03 Note: Includes compacted aggregate <i>For Up To 20, Add</i> ..... 9.03 <i>For &gt;20 To 50, Add</i> ..... 6.77 <i>For &gt;50 To 250, Add</i> ..... 3.61 <i>For &gt;250 To 500, Add</i> ..... 1.35 <i>For &gt;1,000, Deduct</i> ..... -1.35	

**31 24 13 00-0006 Cutting, Shaping, And Rough Grading By Hand** (31 24 13 00-0002)

<b>31</b>	<b>31 Earthwork</b>
	<b>31 20 Earth Moving</b>
	<b>31 24 Embankments</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 24 13 00-0007 SY Shape Embankment/Slope By Hand Up To 1 On 4 Slope .....	6.37	
31 24 13 00-0008 SY Shape Embankment/Slope By Hand Greater Than 1 On 4 Slope .....	8.28	
<b>31 24 13 00-0009 Scarify Soil</b> <small>(31 24 13 00-0001)</small>		
Note: For roadways, parking areas, landscaping and embankments by machine.		
31 24 13 00-0010 CSF Scarify Soil For Roadways, Parking Areas, Landscaping And Embankments By Machine .....	6.74	
For Up To 20, Add	3.37	
For >20 To 50, Add	1.69	
For >250 To 500, Deduct	-0.67	
For >500, Deduct	-1.35	
<b>31 24 13 00-0011 Relocating On Site Excavated Material</b> <small>(31 24 13 00-0001)</small>		
31 24 13 00-0012 CY >500' To 1,000', Relocating On Site Excavated Material For Roadways, Parking Areas, Landscaping And Embankments By Machine .....	13.10	
For Up To 20, Add	13.10	
For >20 To 50, Add	9.83	
For >50 To 250, Add	5.24	
For >250 To 500, Add	1.97	
For >1,000, Deduct	-1.97	
31 24 13 00-0013 CY >1,000', Relocating On Site Excavated Material For Roadways, Parking Areas, Landscaping And Embankments By Machine .....	17.47	
For Up To 20, Add	17.47	
For >20 To 50, Add	13.10	
For >50 To 250, Add	6.99	
For >250 To 500, Add	2.62	
For >1,000, Deduct	-2.62	
<b>31 24 13 00-0014 Spread And Shape Imported Or Stockpiled Material</b> <small>(31 24 13 00-0001)</small>		
Note: For roadways, parking areas, landscaping and embankments. See CSI section 31 23 16 36-0032 for spreading material by hand.		
31 24 13 00-0015 CY Spread And Shape Imported Or Stockpiled Material For Roadways, Parking Areas, Landscaping and Embankments By Machine .....	8.01	
For Up To 20, Add	8.01	
For >20 To 50, Add	6.01	
For >50 To 250, Add	3.20	
For >250 To 500, Add	1.20	
For >1,000, Deduct	-1.20	
<b>31 24 13 00-0016 Grading</b> <small>(31 24 13 00-0001)</small>		
Note: For roadways, parking areas, landscaping and embankments by machine.		
31 24 13 00-0017 SY Rough Grade Roadway, Parking Areas, Landscaping And Embankments By Machine .....	0.80	
31 24 13 00-0018 SY Finish Grade Roadway, Parking Areas, Landscaping And Embankments By Machine .....	1.06	
31 24 13 00-0019 LF Finish Grade For Curb .....	1.20	
31 24 13 00-0020 LF Finish Grade For Curb And Gutter .....	1.46	
<b>31 24 13 00-0021 Compaction Of Fill Or Subbase</b> <small>(31 24 13 00-0001)</small>		
Note: For roadways, parking areas, landscaping and embankments by machine, per lift.		
31 24 13 00-0022 SY Compaction Of Fill Or Subbase For Roadways, Parking Areas, Landscaping And Embankments By Machine Per Lift .....	0.73	
For Up To 250, Add	0.73	
For >250 To 500, Add	0.55	
For >500 To 1,000, Add	0.29	
For >5,000, Deduct	-0.11	
<b>31 24 13 00-0023 Loading Excess Material For Removal From Excavation</b> <small>(31 24 13 00-0001)</small>		
Note: For roadways, parking areas, landscaping and embankments by machine. Includes hand work by laborer for clean-up.		
31 24 13 00-0024 CY Load Excess Material For Removal For Roadways, Parking Areas, Landscaping and Embankments by Machine .....	6.08	
For Up To 20, Add	6.08	
For >20 To 50, Add	4.56	
For >50 To 250, Add	2.43	
For >250 To 500, Add	0.91	
For >1,000, Deduct	-0.91	
<b>31 25 Erosion and Sedimentation Controls</b> <small>(31 20)</small>		
<b>31 25 14 Stabilization Measures for Erosion and Sedimentation Control</b> <small>(31 25)</small>		
<b>31 25 14 13 Hydraulically-Applied Erosion Control</b> <small>(31 25 14)</small>		
<b>31 25 14 13-0001 Bonded Fiber Matrix</b> <small>(31 25 14 13)</small>		
31 25 14 13-0002 MSF Up To 25,000 SF Bonded Fiber Matrix, Hydraulically Applied .....	61.31	
31 25 14 13-0003 MSF >25,000 To 50,000 SF Bonded Fiber Matrix, Hydraulically Applied .....	56.37	
31 25 14 13-0004 MSF >50,000 To 100,000 SF Bonded Fiber Matrix, Hydraulically Applied .....	52.19	
31 25 14 13-0005 MSF >100,000 Bonded Fiber Matrix, Hydraulically Applied .....	49.80	



<b>Earthwork</b>	<b>31</b>	<b>15</b>
<b>Earth Moving</b>	<b>31 20</b>	
<b>Erosion and Sedimentation Controls</b>	<b>31 25</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>31 25 14 16</b>	<b>Rolled Erosion Control Mats and Blankets (31 25 14)</b>	
Note: Includes all staples and stakes for erosion control blankets and turf reinforcement mats.		
<b>31 25 14 16-0001</b>	<b>Erosion Control Blankets And Turf Reinforcement Mats (31 25 14 16)</b>	
<b>31 25 14 16-0002</b>	<b>Erosion Control Blankets, Short Term, Light Duty (31 25 14 16-0001)</b>	
31 25 14 16-0003 SY	S75 Single Net Erosion Control Blanket ..... 3.09	
Note: Straw matrix with degradable thread to a single standard photodegradable polypropylene netting as manufactured by North American Green.		
31 25 14 16-0004 SY	S75BN Single Net Erosion Control Blanket ..... 4.02	
Note: Straw Matrix with Biodegradable Thread to a Single Natural Fiber Netting as manufactured by North American Green.		
31 25 14 16-0005 SY	Curlex 1, Single Net Erosion Control Blanket ..... 2.92	
Note: As manufactured by American Excelsior		
31 25 14 16-0006 SY	Curlex 1, Single Net Erosion Control Blanket ..... 3.09	
Note: As manufactured by American Green.		
31 25 14 16-0007 SY	Futerra Erosion Control Blanket, Wood Fibers With Biodegradable Netting ..... 2.72	
<b>31 25 14 16-0008</b>	<b>Erosion Control Blankets, Intermediate Duration (31 25 14 16-0001)</b>	
31 25 14 16-0009 SY	S150 Double Net Erosion Control Blanket ..... 4.00	
Note: Straw matrix with degradable thread to a double standard photodegradable polypropylene netting as manufactured by North American Green.		
31 25 14 16-0010 SY	S150 BN Double Net Erosion Control Blanket ..... 5.45	
Note: Straw matrix with biodegradable thread to a double natural fiber netting as manufactured by North American Green.		
31 25 14 16-0011 SY	Curlex II, Double Net Erosion Control Blanket, Natural ..... 3.31	
Note: As manufactured by American Excelsior.		
31 25 14 16-0012 SY	Curlex II, Double Net Erosion Control Blanket, Green ..... 3.47	
Note: As manufactured by American Excelsior.		
31 25 14 16-0013 SY	Enforcer Double Net Erosion Control Blanket ..... 3.71	
Note: As manufactured by American Excelsior.		
<b>31 25 14 16-0014</b>	<b>Turf Reinforcement Mats (TRM) (31 25 14 16-0001)</b>	
Note: Permanent, UV stabilized.		
31 25 14 16-0015 SY	P300 Permanent Polypropylene Turf Reinforcement Mat ..... 14.19	
Note: 100% synthetic, UV stabilized, two layer netting.		
31 25 14 16-0016 SY	C350 Permanent Turf Reinforcement Mat ..... 13.02	
Note: 100% synthetic, UV stabilized netting incorporating natural coconut fibers as manufactured by North American Green.		
31 25 14 16-0017 SY	Recyclex TRM, Permanent Turf Reinforcement Mat ..... 16.64	
Note: As manufactured by American Excelsior, 100% recycled		
<b>31 25 14 16-0018</b>	<b>Jute Mesh Erosion Control Blankets (31 25 14 16-0001)</b>	
31 25 14 16-0019 SY	Jute Mesh, Open Uniform Weave ..... 5.51	
<b>31 25 14 16-0020</b>	<b>Revegetation Mat (31 25 14 16-0001)</b>	
31 25 14 16-0021 SY	3-Dimensional Webbed Revegetation Mat, Polyolefin Fiber ..... 11.25	
Note: Polyolefin fibers oriented and mechanically bonded between two nets. Landlok TRM 450 or equal.		
31 25 14 16-0022 SY	Webbed Revegetation Mat, Polypropylene Fiber ..... 16.14	
Note: Polypropylene fibers positioned between two high strength biaxially oriented nets and mechanically held together by parallel stitching with polypropylene thread. Landlok TRM 1060 or equal.		
<b>31 25 14 16-0023</b>	<b>Erosion Control Rolls (31 25 14 16-0001)</b>	
31 25 14 16-0024 SY	Erosion Control Rolls, Mirafi 140N ..... 2.31	
31 25 14 16-0025 SY	Erosion Control Rolls, Amoco 4547 ..... 2.36	
<b>31 25 14 23</b>	<b>Stabilization Measures for Erosion Control (31 25 14)</b>	
See CSI section 01 74 19 00-0055 for hauling greater than 15 miles.		
<b>31 25 14 23-0001</b>	<b>Sand Bags (31 25 14 23)</b>	
Note: Bags filled on site with delivered material. Includes material and placement of bags.		
31 25 14 23-0002	BAG 50 LB Capacity Sand Bag With Sand ..... 6.34	2.62
For >2,500 To 5,000, Deduct		
	-0.52	
For >5,000, Deduct		
	-1.16	
31 25 14 23-0003	BAG 75 LB Capacity Sand Bag With Sand ..... 8.20	3.25
For >2,500 To 5,000, Deduct		
	-0.65	
For >5,000, Deduct		
	-1.47	
31 25 14 23-0004	BAG 100 LB Capacity Sand Bag With Sand ..... 10.39	3.89
For >2,500 To 5,000, Deduct		
	-0.78	
For >5,000, Deduct		
	-1.82	
31 25 14 23-0005	BAG 125 LB Capacity Sand Bag With Sand ..... 12.77	4.86
For >2,500 To 5,000, Deduct		
	-0.97	
For >5,000, Deduct		
	-2.25	
31 25 14 23-0006	BAG 150 LB Capacity Sand Bag With Sand ..... 15.57	5.83
For >2,500 To 5,000, Deduct		
	-1.17	
For >5,000, Deduct		
	-2.72	

**31 Earthwork****31 20 Earth Moving****31 25 Erosion and Sedimentation Controls**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 25 14 23-0007	BAG	175 LB Capacity Sand Bag With Sand ..... <i>For &gt;2,500 To 5,000, Deduct</i> <i>For &gt;5,000, Deduct</i>	18.18 -1.33 -3.14	6.63
31 25 14 23-0008	BAG	2,000 LB Capacity Sand Bag With Sand ..... <i>For &gt;2,500 To 5,000, Deduct</i> <i>For &gt;5,000, Deduct</i>	153.98 -9.11 -24.51	47.64
31 25 14 23-0009	BAG	3,000 LB Capacity Sand Bag With Sand ..... <i>For &gt;2,500 To 5,000, Deduct</i> <i>For &gt;5,000, Deduct</i>	199.58 -10.03 -29.98	52.41
<b>31 25 14 23-0010</b>		<b>Gravel Bags</b> <small>(31 25 14 23)</small> Note: Bags filled on site with delivered material. Includes material and placement of bags.		
31 25 14 23-0011	BAG	30 LB Capacity Gravel Bag With Gravel ..... <i>For &gt;2,500 To 5,000, Deduct</i> <i>For &gt;5,000, Deduct</i>	6.04 -0.35 -0.95	1.74
31 25 14 23-0012	BAG	50 LB Capacity Gravel Bag With Gravel ..... <i>For &gt;2,500 To 5,000, Deduct</i> <i>For &gt;5,000, Deduct</i>	10.97 -0.52 -1.62	2.62
<b>31 25 14 23-0013</b>		<b>Floating Turbidity Curtain</b> <small>(31 25 14 23)</small> Note: Type 2 DOT fabric - 18 oz. nominal laminated vinyl/polyester. EPS flotation, 6 in. x 6 in., 13.5 lb./ft. buoyancy in fresh water and 14.4 lb./ft buoyancy in saltwater.		
31 25 14 23-0014	LF	3' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain ..... <i>For Type 1, Deduct</i> <i>For 13 Oz PVC Fabric, Type 2, Deduct</i> <i>For 22 Oz PVC Fabric, Type 2 Heavy Duty, Add</i>	26.88 -4.23 -2.58 3.13	
31 25 14 23-0015	LF	4' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain ..... <i>For Type 1, Deduct</i> <i>For 13 Oz PVC Fabric, Type 2, Deduct</i> <i>For 22 Oz PVC Fabric, Type 2 Heavy Duty, Add</i>	29.15 -4.66 -2.84 3.44	
31 25 14 23-0016	LF	5' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain ..... <i>For Type 1, Deduct</i> <i>For 13 Oz PVC Fabric, Type 2, Deduct</i> <i>For 22 Oz PVC Fabric, Type 2 Heavy Duty, Add</i>	32.30 -5.28 -3.21 3.90	
31 25 14 23-0017	LF	6' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain ..... <i>For Type 1, Deduct</i> <i>For 13 Oz PVC Fabric, Type 2, Deduct</i> <i>For 22 Oz PVC Fabric, Type 2 Heavy Duty, Add</i>	34.97 -5.79 -3.52 4.28	
31 25 14 23-0018	LF	7' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain ..... <i>For Type 1, Deduct</i> <i>For 13 Oz PVC Fabric, Type 2, Deduct</i> <i>For 22 Oz PVC Fabric, Type 2 Heavy Duty, Add</i>	36.69 -6.07 -3.69 4.49	
31 25 14 23-0019	LF	8' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain ..... <i>For Type 1, Deduct</i> <i>For 13 Oz PVC Fabric, Type 2, Deduct</i> <i>For 22 Oz PVC Fabric, Type 2 Heavy Duty, Add</i>	38.43 -6.35 -3.87 4.70	
31 25 14 23-0020	LF	9' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain ..... <i>For Type 1, Deduct</i> <i>For 13 Oz PVC Fabric, Type 2, Deduct</i> <i>For 22 Oz PVC Fabric, Type 2 Heavy Duty, Add</i>	40.44 -6.69 -4.07 4.95	
31 25 14 23-0021	LF	10' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain ..... <i>For Type 1, Deduct</i> <i>For 13 Oz PVC Fabric, Type 2, Deduct</i> <i>For 22 Oz PVC Fabric, Type 2 Heavy Duty, Add</i>	43.22 -7.20 -4.38 5.32	
31 25 14 23-0022	LF	12' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain ..... <i>For Type 1, Deduct</i> <i>For 13 Oz PVC Fabric, Type 2, Deduct</i> <i>For 22 Oz PVC Fabric, Type 2 Heavy Duty, Add</i>	45.41 -7.57 -4.61 5.59	
31 25 14 23-0023	LF	13' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain ..... <i>For Type 1, Deduct</i> <i>For 13 Oz PVC Fabric, Type 2, Deduct</i> <i>For 22 Oz PVC Fabric, Type 2 Heavy Duty, Add</i>	48.37 -8.10 -4.93 5.99	
31 25 14 23-0024	LF	14' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain ..... <i>For Type 1, Deduct</i> <i>For 13 Oz PVC Fabric, Type 2, Deduct</i> <i>For 22 Oz PVC Fabric, Type 2 Heavy Duty, Add</i>	51.12 -8.58 -5.22 6.34	
31 25 14 23-0025	LF	15' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain ..... <i>For Type 1, Deduct</i> <i>For 13 Oz PVC Fabric, Type 2, Deduct</i> <i>For 22 Oz PVC Fabric, Type 2 Heavy Duty, Add</i>	53.77 -9.03 -5.50 6.68	
31 25 14 23-0026	LF	16' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain ..... <i>For Type 1, Deduct</i> <i>For 13 Oz PVC Fabric, Type 2, Deduct</i> <i>For 22 Oz PVC Fabric, Type 2 Heavy Duty, Add</i>	58.55 -9.97 -6.07 7.37	
31 25 14 23-0027	LF	17' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain ..... <i>For Type 1, Deduct</i> <i>For 13 Oz PVC Fabric, Type 2, Deduct</i> <i>For 22 Oz PVC Fabric, Type 2 Heavy Duty, Add</i>	61.39 -10.45 -6.36 7.72	
31 25 14 23-0028	LF	18' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain ..... <i>For Type 1, Deduct</i> <i>For 13 Oz PVC Fabric, Type 2, Deduct</i> <i>For 22 Oz PVC Fabric, Type 2 Heavy Duty, Add</i>	64.16 -10.90 -6.63 8.05	



<b>Earthwork</b>	<b>31</b>	<b>13</b>
<b>Earth Moving</b>	<b>31 20</b>	
<b>Erosion and Sedimentation Controls</b>	<b>31 25</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 25 14 23-0029 LF 19' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain.....	67.08	
For Type 1, Deduct	-11.38	
For 13 Oz PVC Fabric, Type 2, Deduct	-6.93	
For 22 Oz PVC Fabric, Type 2 Heavy Duty, Add	8.41	
31 25 14 23-0030 LF 20' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain.....	69.93	
For Type 1, Deduct	-11.83	
For 13 Oz PVC Fabric, Type 2, Deduct	-7.20	
For 22 Oz PVC Fabric, Type 2 Heavy Duty, Add	8.74	
<b>31 25 14 23-0031 Turbidity Curtain Anchors (31 25 14 23)</b>		
31 25 14 23-0032 EA 14 LB, Turbidity Curtain Anchor System.....	731.58	
Note: Includes anchor, anchor chain, and marker buoy and rope.		
31 25 14 23-0033 EA 25 LB, Turbidity Curtain Anchor System.....	1,003.88	
Note: Includes anchor, anchor chain, and marker buoy and rope.		
31 25 14 23-0034 EA 40 LB, Turbidity Curtain Anchor System.....	1,277.37	
Note: Includes anchor, anchor chain, and marker buoy and rope.		
31 25 14 23-0035 EA 65 LB, Turbidity Curtain Anchor System.....	1,671.33	
Note: Includes anchor, anchor chain, and marker buoy and rope.		
<b>31 25 14 23-0036 Filter Bags (31 25 14 23)</b>		
<b>31 25 14 23-0037 Non-Woven Filter Bags (31 25 14 23-0036)</b>		
31 25 14 23-0038 EA 6' x 15' Non-Woven Filter Bag.....	246.64	
31 25 14 23-0039 EA 13' x 15' Non-Woven Filter Bag.....	357.09	
31 25 14 23-0040 EA 15' x 15' Non-Woven Filter Bag.....	410.32	
<b>31 25 14 23-0041 Monofilament Filter Bags (31 25 14 23-0036)</b>		
31 25 14 23-0042 EA 5' x 15' Monofilament Filter Bag.....	256.50	
31 25 14 23-0043 EA 10' x 15' Monofilament Filter Bag.....	355.37	
<b>31 25 14 23-0044 Cable Articulating Concrete Block (31 25 14 23)</b>		
Note: 4000 PSI Compressive strength, 12 LB/CF maximum absorption. Interlocking block with longitudinal revetment cable. Includes anchoring block to 12" x 12" x 6" concrete pier every 5' with anchor and filling cells with stockpiled material. Excludes site preparation and imported materials.		
31 25 14 23-0045 SF 4.75" Open Cell Articulated Concrete Block With Earth Backfill.....	40.90	
For Up To 500, Add	9.24	
For >500 To 1,000, Add	5.15	
31 25 14 23-0046 SF 6" Open Cell Articulated Concrete Block With Earth Backfill.....	46.75	
For Up To 500, Add	10.51	
For >500 To 1,000, Add	5.83	
31 25 14 23-0047 SF 7.5" Open Cell Articulated Concrete Block With Earth Backfill.....	53.46	
For Up To 500, Add	11.97	
For >500 To 1,000, Add	6.62	
31 25 14 23-0048 SF 9" Open Cell Articulated Concrete Block With Earth Backfill.....	60.27	
For Up To 500, Add	13.47	
For >500 To 1,000, Add	7.44	
31 25 14 23-0049 SF 4.75" Closed Cell Articulated Concrete Block.....	43.86	
For Up To 500, Add	9.83	
For >500 To 1,000, Add	5.45	
31 25 14 23-0050 SF 6" Closed Cell Articulated Concrete Block.....	50.29	
For Up To 500, Add	11.22	
For >500 To 1,000, Add	6.19	
31 25 14 23-0051 SF 7.5" Closed Cell Articulated Concrete Block.....	57.65	
For Up To 500, Add	12.81	
For >500 To 1,000, Add	7.04	
31 25 14 23-0052 SF 9" Closed Cell Articulated Concrete Block.....	65.07	
For Up To 500, Add	14.43	
For >500 To 1,000, Add	7.92	
<b>31 25 14 26 Stabilization Measures for Sedimentation Control (31 25 14)</b>		
<b>31 25 14 26-0001 Silt Fences And Dike Barriers (31 25 14 26)</b>		
Note: Includes stakes and embedding.		
<b>31 25 14 26-0002 Silt Fences 2' High (31 25 14 26-0001)</b>		
See CSI section 31 25 14 26-0014 for removal of silt fence.		
31 25 14 26-0003 LF 2' High Silt Fence with Stakes at 4' On Center.....	3.97	
31 25 14 26-0004 LF 2' High Silt Fence with Stakes at 6' On Center.....	3.18	
31 25 14 26-0005 LF 2' High Silt Fence with Stakes at 8' On Center.....	2.36	
31 25 14 26-0006 LF 2' High Silt Fence with Stakes at 10' On Center.....	2.14	
<b>31 25 14 26-0007 Silt Fences 3' High (31 25 14 26-0001)</b>		
See CSI section 31 25 14 26-0014 for removal of silt fence.		
31 25 14 26-0008 LF 3' High Silt Fence with Stakes at 4' On Center.....	4.18	
31 25 14 26-0009 LF 3' High Silt Fence with Stakes at 6' On Center.....	3.58	
31 25 14 26-0010 LF 3' High Silt Fence with Stakes at 8' On Center.....	2.51	
31 25 14 26-0011 LF 3' High Silt Fence with Stakes at 10' On Center.....	2.28	

<b>31</b>	<b>31</b>	<b>Earthwork</b>
	<b>31 20</b>	<b>Earth Moving</b>
	<b>31 25</b>	<b>Erosion and Sedimentation Controls</b>



MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
31 25 14 26-0012		<b>Silt Dike Barrier</b> <small>(31 25 14 26-0001)</small>			
31 25 14 26-0013	LF	Silt Dike Barrier With Stakes.....		5.59	
31 25 14 26-0014		<b>Silt Fences Removal</b> <small>(31 25 14 26-0001)</small>			
31 25 14 26-0015	LF	Removal Of Silt Fence And Stakes.....		0.83	
31 25 14 26-0016		<b>Hay And Straw Bales</b> <small>(31 25 14 26)</small>			
		Note: Includes trench for placement, and stakes.			
31 25 14 26-0017	LF	Place Sterilized Straw Bales.....		4.48	
		Note: Includes securing in ground with stakes. See CSI section 31 25 14 26-0020 for removal of straw bale.			
31 25 14 26-0018	LF	Place Hay Bales.....		4.17	
		Note: Includes securing in ground with stakes. See CSI section 31 25 14 26-0020 for removal of hay bale.			
31 25 14 26-0019	EA	Place And Remove Hay Bales, Includes Securing In Ground With Stakes.....		12.51	
31 25 14 26-0020	LF	Removal Of Hay Or Straw Bales.....		1.48	
		Note: Includes removal of stakes.			
31 25 14 26-0021		<b>Sediment Logs (Degradable)</b> <small>(31 25 14 26)</small>			
31 25 14 26-0022		<b>Sediment Logs (Degradable)</b> <small>(31 25 14 26-0021)</small>			
		Note: Includes stakes and removal after use. Curlex sediment logs as manufactured by American Excelsior.			
31 25 14 26-0023	LF	9" Sediment Fiber Roll Log.....		6.91	
31 25 14 26-0024	LF	12" Sediment Fiber Roll Log.....		8.09	
31 25 14 26-0025	LF	20" Sediment Fiber Roll Log.....		12.93	
31 25 14 26-0026		<b>Wattles (Degradable) With UV Stabilized Synthetic Netting</b> <small>(31 25 14 26-0021)</small>			
		Note: Includes trench for placement, 24" wood staking at 4' on-center			
31 25 14 26-0027	EA	Wattles (Sterile Straw Filled Rolls), 8" x 25'.....		126.48	
31 25 14 26-0028	EA	Wattles (Sterile Straw Filled Rolls), 9" x 25'.....		134.68	
31 25 14 26-0029	EA	Wattles (Sterile Straw Filled Rolls), 12" x 20'.....		150.32	
31 25 14 26-0030	EA	Wattles (Sterile Straw Filled Rolls), 20" x 10'.....		176.40	
31 25 14 26-0031		<b>Fiber Roll (CALTRANS Type 1)</b> <small>(31 25 14 26)</small>			
		Note: Includes furrow trench for placement, 24" wood staking at 4' on-center			
31 25 14 26-0032	LF	8" Diameter Fiber Roll, (Sterile Straw Filled Rolls, With Natural Fiber Wrapping), CALTRANS Type 1.....		6.61	
		For >1,000 To 10,000, Deduct		-0.74	
		For >10,000, Deduct		-1.25	
31 25 14 26-0033	LF	9" Diameter Fiber Roll, (Sterile Straw Filled Rolls, With Natural Fiber Wrapping), CALTRANS Type 1.....		6.99	
		For >1,000 To 10,000, Deduct		-0.76	
		For >10,000, Deduct		-1.28	
31 25 14 26-0034	LF	12" Diameter Fiber Roll, (Sterile Straw Filled Rolls, With Natural Fiber Wrapping), CALTRANS Type 1.....		9.49	
		For >1,000 To 10,000, Deduct		-0.92	
		For >10,000, Deduct		-1.56	
31 25 14 26-0035		<b>Fiber Roll (CALTRANS Type 2)</b> <small>(31 25 14 26)</small>			
		Note: Includes 24" wood stakes at 2' on-center off-set on sides with ropes.			
31 25 14 26-0036	LF	8" Diameter Fiber Roll, (Sterile Straw Filled Rolls, With Natural Fiber Wrapping), CALTRANS Type 2.....		5.36	
		For >1,000 To 10,000, Deduct		-0.55	
		For >10,000, Deduct		-0.94	
31 25 14 26-0037	LF	9" Diameter Fiber Roll, (Sterile Straw Filled Rolls, With Natural Fiber Wrapping), CALTRANS Type 2.....		5.89	
		For >1,000 To 10,000, Deduct		-0.59	
		For >10,000, Deduct		-1.00	
31 25 14 26-0038	LF	12" Diameter Fiber Roll, (Sterile Straw Filled Rolls, With Natural Fiber Wrapping), CALTRANS Type 2.....		7.82	
		For >1,000 To 10,000, Deduct		-0.67	
		For >10,000, Deduct		-1.15	
31 25 14 26-0039		<b>Inlet Protection Sediment Bags</b> <small>(31 25 14 26)</small>			
		Note: Includes removal, cleaning, and replacement per each location.			
31 25 14 26-0040	EA	2' x 2' x 3' Inlet Protection Sediment Bag.....		82.84	
31 25 14 26-0041	EA	2' x 3' x 3' Inlet Protection Sediment Bag.....		97.25	
31 25 14 26-0042	EA	2' x 4' x 3' Inlet Protection Sediment Bag.....		106.20	
31 25 14 26-0043		<b>Clean Sediment Logs/Wattles</b> <small>(31 25 14 26)</small>			
		Note: Includes removal, cleaning, and replacement per each location.			
31 25 14 26-0044	EA	Clean Sediment Logs/Wattles.....		82.85	

**31 30 Earthwork Methods** (31)

**31 31 Soil Treatment** (31 30)

**31 31 16 Termite Control** (31 31)





<b>Earthwork</b>	<b>31</b>	<b>13</b>
<b>Earthwork Methods</b>	<b>31 30</b>	
<b>Soil Treatment</b>	<b>31 31</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**31 31 16 13 Chemical Termite Control** (31 31 16)

**31 31 16 13-0001 Commercial Use** (31 31 16 13)

31 31 16 13-0002	SF	Termite Pretreatment, Commercial Soil Poisoning Under Slab .....	1.04
31 31 16 13-0003	SF	Termite Pretreatment, Commercial Slab And Walls.....	1.44

**31 31 16 13-0004 Residential Use** (31 31 16 13)

31 31 16 13-0005	SF	Termite Pretreatment, Residential General Spraying Walls And Slab .....	1.42
31 31 16 13-0006	SF	Termite Treatment, Existing Residential Structure.....	1.53

**31 31 19 Vegetation Control** (31 31)

**31 31 19 13 Chemical Vegetation Control** (31 31 19)

**31 31 19 13-0001 Soil Sterilants** (31 31 19 13)

31 31 19 13-0002	MSF	Soil Sterilant.....	32.14
<p>Note: Use only in areas where complete control of all vegetation is desired, such as industrial sites, right-of-way, lumberyards, petroleum tank farms, around farm buildings, along fence lines, etc. When applied to the soil, this product usually inhibits plant growth for a year or more.</p>			
		For >45 To 90, Deduct	-0.45
		For >90 To 225, Deduct	-2.51
		For >225, Deduct	-3.42

**31 32 Soil Stabilization** (31 30)

**31 32 13 Soil Mixing Stabilization** (31 32)

**31 32 13 16 Cement Soil Stabilization** (31 32 13)

**31 32 13 16-0001 Soil Cement Course** (31 32 13 16)

<p>Note: Includes soil material, adding and mixing of cement, water and calcium chloride (if required), shaping, finishing and final compaction. Excludes cement, calcium chloride, foundation preparation, compaction water and additional surface treatments.</p>			
31 32 13 16-0002	CY	Compacted Soil Cement Course, Material mixed in Central Plant .....	82.23
31 32 13 16-0003	CY	Compacted Soil Cement Course, Material mixed in Traveling Pugmill. Cement.....	86.72
31 32 13 16-0004	LB	Cement, Per Unit Of Measure.....	0.05
31 32 13 16-0005	LB	Flake Calcium Chloride, Per Unit Of Measure .....	1.85
31 32 13 16-0006	EA	Mobilize And Demobilize Traveling Pugmill .....	150.00

**31 32 13 16-0007 Cementitious Soil Binder** (31 32 13 16)

31 32 13 16-0008	CY	Cementitious Soil Binder, 4% Cement Mix By Volume .....	40.56
31 32 13 16-0009	CY	Cementitious Soil Binder, 6% Cement Mix By Volume .....	47.07
31 32 13 16-0010	CY	Cementitious Soil Binder, 9% Cement Mix By Volume .....	57.78
31 32 13 16-0011	CY	Cementitious Soil Binder, 12% Cement Mix By Volume .....	68.34

**31 32 13 19 Lime Soil Stabilization** (31 32 13)

Note: Includes delivery up to 15 miles from the closest approved source, the cost for loading, and dumping. The price excludes the cost for spreading or backfilling. See CSI section 01 74 19 00-0055 for hauling greater than 15 miles.

**31 32 13 19-0001 Lime Slurry** (31 32 13 19)

31 32 13 19-0002	LCY	Soil Stabilization With Lime Slurry 10% Lime Slurry By Volume .....	34.73
31 32 13 19-0003	TON	Cement Stabilized Base Material .....	117.44
31 32 13 19-0004	CWT	Lime For Soil Stabilization .....	18.71
<p>Note: Excludes the cost for spreading or backfilling</p>			
31 32 13 19-0005	LCY	Roller, Grader - Lime Stabilization.....	19.13
31 32 13 19-0006	LCY	Roller, Grader - Cement Stabilization .....	4.32

**31 32 13 19-0007 Lime Stabilized Subgrade** (31 32 13 19)

Note: Based on soil weight of 110 LB/CF using lime weight of 5.5 LB/CF (5%).

31 32 13 19-0008	SY	6" Thick Lime Stabilized Subgrade, 25 LB .....	11.81
		For 4% Lime Instead Of 5%, Deduct	-0.33
		For 6% Lime Instead Of 5%, Add	0.33
31 32 13 19-0009	SY	7" Thick Lime Stabilized Subgrade, 29 LB .....	13.71
		For 4% Lime Instead Of 5%, Deduct	-0.38
		For 6% Lime Instead Of 5%, Add	0.38
31 32 13 19-0010	SY	8" Thick Lime Stabilized Subgrade, 33 LB .....	15.63
		For 4% Lime Instead Of 5%, Deduct	-0.44
		For 6% Lime Instead Of 5%, Add	0.44
31 32 13 19-0011	SY	10" Thick Lime Stabilized Subgrade, 41 LB/SY .....	19.54
		For 4% Lime Instead Of 5%, Deduct	-0.55
		For 6% Lime Instead Of 5%, Add	0.55
		For >5,000 SY, Deduct	-1.30
31 32 13 19-0012	SY	12" Thick Lime Stabilized Subgrade, 50 LB/SY .....	23.46
		For 4% Lime Instead Of 5%, Deduct	-0.66
		For 6% Lime Instead Of 5%, Add	0.66
		For >5,000 SY, Deduct	-1.56

<b>31</b>	<b>Earthwork</b>
<b>31 30</b>	<b>Earthwork Methods</b>
<b>31 32</b>	<b>Soil Stabilization</b>



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 32 13 19-0013	SY	14" Thick Lime Stabilized Subgrade, 58 LB/SY .....	27.31	
		<i>For 4% Lime Instead Of 5%, Deduct</i>	-0.76	
		<i>For 6% Lime Instead Of 5%, Add</i>	0.76	
		<i>For &gt;5,000 SY, Deduct</i>	-1.81	
31 32 13 19-0014	SY	16" Thick Lime Stabilized Subgrade, 66 LB/SY .....	31.25	
		<i>For 4% Lime Instead Of 5%, Deduct</i>	-0.87	
		<i>For 6% Lime Instead Of 5%, Add</i>	0.87	
		<i>For &gt;5,000 SY, Deduct</i>	-2.08	
31 32 13 19-0015	SY	18" Thick Lime Stabilized Subgrade, 74 LB/SY .....	35.18	
		<i>For 4% Lime Instead Of 5%, Deduct</i>	-0.98	
		<i>For 6% Lime Instead Of 5%, Add</i>	0.98	
		<i>For &gt;5,000 SY, Deduct</i>	-2.34	
<b>31 32 13 19-0016</b>		<b>Hydrated Lime Stabilized Subgrade</b> <sup>(31 32 13 19)</sup>		
		Note: Includes scarifying, adding and mixing of hydrated lime and water, light sealing, curing, secondary mixing, shaping, finishing and final compaction. Excludes hydrated lime, foundation preparation, compaction water and additional surface treatments.		
31 32 13 19-0017	CY	Compacted Hydrated Lime Stabilized Subgrade .....	70.89	
31 32 13 19-0018	LB	Hydrated Lime .....	1.58	
<b>31 32 13 29</b>		<b>Liquid Soil Stabilization</b> <sup>(31 32 13)</sup>		
31 32 13 29-0001	GAL	Polyacrylamide And Calcium Solution .....	2.98	
<b>31 32 19</b>		<b>Geosynthetic Soil Stabilization and Layer Separation</b> <sup>(31 32)</sup>		
<b>31 32 19 13</b>		<b>Geogrid Soil Stabilization</b> <sup>(31 32 19)</sup>		
<b>31 32 19 13-0001</b>		<b>Geogrid Fabrics</b> <sup>(31 32 19 13)</sup>		
		Note: For reinforcement of over steepened earth slopes, segmental retaining walls and other mechanically stabilized earth applications.		
31 32 19 13-0002	SY	5.3 Ounce/SY, 1,700 LB/FT Wide Width Tensile Ultimate Bi-Directional Woven Polyester Geogrid Fabric (Carthage Mills GX-150) .....	5.39	
		<i>For Up To 50, Add</i>	1.18	
		<i>For &gt;50 To 150, Add</i>	0.88	
		<i>For &gt;150 To 250, Add</i>	0.57	
		<i>For &gt;250 To 500, Add</i>	0.29	
31 32 19 13-0003	SY	6.9 Ounce/SY, 3,100 LB/FT Wide Width Tensile Ultimate Bi-Directional Woven Polyester Geogrid Fabric (Carthage Mills GX-300) .....	6.16	
		<i>For Up To 50, Add</i>	1.34	
		<i>For &gt;50 To 150, Add</i>	1.00	
		<i>For &gt;150 To 250, Add</i>	0.65	
		<i>For &gt;250 To 500, Add</i>	0.33	
31 32 19 13-0004	SY	8.7 Ounce/SY, 4,280 LB/FT Wide Width Tensile Ultimate Bi-Directional Woven Polyester Geogrid Fabric (Carthage Mills GX-500) .....	6.72	
		<i>For Up To 50, Add</i>	1.46	
		<i>For &gt;50 To 150, Add</i>	1.08	
		<i>For &gt;150 To 250, Add</i>	0.71	
		<i>For &gt;250 To 500, Add</i>	0.35	
31 32 19 13-0005	SY	12.6 Ounce/SY, 7,315 LB/FT Wide Width Tensile Ultimate Bi-Directional Woven Polyester Geogrid Fabric (Carthage Mills GX-800) .....	9.70	
		<i>For Up To 50, Add</i>	2.06	
		<i>For &gt;50 To 150, Add</i>	1.53	
		<i>For &gt;150 To 250, Add</i>	1.01	
		<i>For &gt;250 To 500, Add</i>	0.50	
31 32 19 13-0006	SY	14.1 Ounce/SY, 9,790 LB/FT Wide Width Tensile Ultimate Bi-Directional Woven Polyester Geogrid Fabric (Carthage Mills GX-1000) .....	11.11	
		<i>For Up To 50, Add</i>	2.35	
		<i>For &gt;50 To 150, Add</i>	1.75	
		<i>For &gt;150 To 250, Add</i>	1.15	
		<i>For &gt;250 To 500, Add</i>	0.58	
31 32 19 13-0007	SY	4.3 Ounce/SY, 1,658 LB/FT Wide Width Tensile Ultimate Bi-Axial Extruded Polypropylene Geogrid Fabric (Carthage Mills Enkagrid Max 20) .....	5.48	
		<i>For Up To 50, Add</i>	1.20	
		<i>For &gt;50 To 150, Add</i>	0.89	
		<i>For &gt;150 To 250, Add</i>	0.58	
		<i>For &gt;250 To 500, Add</i>	0.29	
31 32 19 13-0008	SY	5.9 Ounce/SY, 2,192 LB/FT Wide Width Tensile Ultimate Bi-Axial Extruded Polypropylene Geogrid Fabric (Carthage Mills Enkagrid Max 30) .....	8.10	
		<i>For Up To 50, Add</i>	1.73	
		<i>For &gt;50 To 150, Add</i>	1.29	
		<i>For &gt;150 To 250, Add</i>	0.85	
		<i>For &gt;250 To 500, Add</i>	0.42	
<b>31 32 19 16</b>		<b>Geotextile Soil Stabilization</b> <sup>(31 32 19)</sup>		
<b>31 32 19 16-0001</b>		<b>Nonwoven Polypropylene Geotextiles</b> <sup>(31 32 19 16)</sup>		
		Note: For drainage, filtration and separation.		
31 32 19 16-0002	SY	3.0 Ounce/SY, 40 Mil, 80 LB Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-30HS) .....	1.67	
		<i>For Up To 50, Add</i>	0.37	
		<i>For &gt;50 To 150, Add</i>	0.28	
		<i>For &gt;150 To 250, Add</i>	0.18	
		<i>For &gt;250 To 500, Add</i>	0.09	



<b>Earthwork</b>	<b>31</b>	<b>13</b>
<b>Earthwork Methods</b>	<b>31 30</b>	
<b>Soil Stabilization</b>	<b>31 32</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 32 19 16-0003 SY 3.5 Ounce/SY, 50 Mil, 95 LB Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-35HS).....	1.79	
For Up To 50, Add	0.40	
For >50 To 150, Add	0.29	
For >150 To 250, Add	0.19	
For >250 To 500, Add	0.10	
31 32 19 16-0004 SY 4.0 Ounce/SY, 60 Mil, 115 LB Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-40HS).....	1.94	
For Up To 50, Add	0.43	
For >50 To 150, Add	0.32	
For >150 To 250, Add	0.21	
For >250 To 500, Add	0.10	
31 32 19 16-0005 SY 4.5 Ounce/SY, 55 Mil, 120 LB Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-45HS).....	2.09	
For Up To 50, Add	0.46	
For >50 To 150, Add	0.34	
For >150 To 250, Add	0.22	
For >250 To 500, Add	0.11	
31 32 19 16-0006 SY 6.0 Ounce/SY, 70 Mil, 160 LB Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-60HS).....	2.49	
For Up To 50, Add	0.54	
For >50 To 150, Add	0.40	
For >150 To 250, Add	0.26	
For >250 To 500, Add	0.13	
31 32 19 16-0007 SY 7.0 Ounce/SY, 85 Mil, 180 LB Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-70HS).....	2.92	
For Up To 50, Add	0.64	
For >50 To 150, Add	0.47	
For >150 To 250, Add	0.31	
For >250 To 500, Add	0.15	
31 32 19 16-0008 SY 8.0 Ounce/SY, 85 Mil, 205 LB Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-80HS).....	3.22	
For Up To 50, Add	0.70	
For >50 To 150, Add	0.52	
For >150 To 250, Add	0.34	
For >250 To 500, Add	0.17	
31 32 19 16-0009 SY 10 Ounce/SY, 115 Mil, 250 LB Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-100HS).....	3.98	
For Up To 50, Add	0.85	
For >50 To 150, Add	0.63	
For >150 To 250, Add	0.42	
For >250 To 500, Add	0.21	
31 32 19 16-0010 SY 16 Ounce/SY, 175 Mil, 425 LB Grab Tensile Nonwoven Polypropylene Geotextile Fabric.....	6.78	
For Up To 50, Add	1.41	
For >50 To 150, Add	1.05	
For >150 To 250, Add	0.70	
For >250 To 500, Add	0.35	
<b>31 32 19 16-0011 Woven Geotextiles Fabric</b> <small>(31 32 19 16)</small>		
31 32 19 16-0012 SY 200 LB Grab Tensile Woven Slit Film Geotextile Fabric (Carthage Mills FX-55).....	2.43	
For Up To 50, Add	0.53	
For >50 To 150, Add	0.39	
For >150 To 250, Add	0.26	
For >250 To 500, Add	0.13	
31 32 19 16-0013 SY 315 LB Grab Tensile Woven Slit Film Geotextile Fabric (Carthage Mills FX-66).....	3.42	
For Up To 50, Add	0.72	
For >50 To 150, Add	0.54	
For >150 To 250, Add	0.36	
For >250 To 500, Add	0.18	
31 32 19 16-0014 SY 4 To 6% Open Area, 370 x 250 LB Grab Tensile Woven Monofilament Geotextile Fabric (Carthage Mills Carthage 6%).....	6.06	
For Up To 50, Add	1.26	
For >50 To 150, Add	0.94	
For >150 To 250, Add	0.62	
For >250 To 500, Add	0.31	
31 32 19 16-0015 SY 11 To 15% Open Area, 370 x 220 LB Grab Tensile Woven Monofilament Geotextile Fabric (Carthage Mills Carthage 15%).....	5.91	
For Up To 50, Add	1.23	
For >50 To 150, Add	0.92	
For >150 To 250, Add	0.61	
For >250 To 500, Add	0.30	
31 32 19 16-0016 SY 6.9 Oz/SY, 250 LB/IN Wide Width Tensile Ultimate Woven Twill Weave Geotextile Fabric (Carthage Mills FX-250TF).....	5.16	
For Up To 50, Add	1.08	
For >50 To 150, Add	0.81	
For >150 To 250, Add	0.53	
For >250 To 500, Add	0.27	
31 32 19 16-0017 SY 9.1 Oz/SY, 333 LB/IN Wide Width Tensile Ultimate Woven Twill Weave Geotextile Fabric (Carthage Mills FX-330TF).....	5.52	
For Up To 50, Add	1.16	
For >50 To 150, Add	0.86	
For >150 To 250, Add	0.57	
For >250 To 500, Add	0.28	
31 32 19 16-0018 SY 12.1 Oz/SY, 400 LB/IN Wide Width Tensile Ultimate Woven Twill Weave Geotextile Fabric (Carthage Mills FX-400TF).....	7.06	
For Up To 50, Add	1.46	
For >50 To 150, Add	1.09	
For >150 To 250, Add	0.72	
For >250 To 500, Add	0.36	

<b>31</b>	<b>31 Earthwork</b>
	<b>31 30 Earthwork Methods</b>
	<b>31 32 Soil Stabilization</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 32 19 16-0019 SY 12.1 Oz/SY, 400 LB/IN Wide Width Tensile Ultimate Woven Monofilament And Fibrillated Geotextile Fabric (Carthage Mills FX-400MF) .....	10.08	
For Up To 50, Add	2.07	
For >50 To 150, Add	1.55	
For >150 To 250, Add	1.03	
For >250 To 500, Add	0.51	
<b>31 32 19 16-0020 Geomembranes</b> <small>(31 32 19 16)</small>		
<b>31 32 19 16-0021 Polyvinyl Chloride (PVC) Geomembrane</b> <small>(31 32 19 16-0020)</small>		
31 32 19 16-0022 SF 20 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics) .....	1.41	
31 32 19 16-0023 SF 30 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics) .....	1.63	
31 32 19 16-0024 SF 40 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics) .....	1.98	
31 32 19 16-0025 SF 50 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics) .....	2.38	
31 32 19 16-0026 SF 60 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics) .....	2.73	
31 32 19 16-0027 SF 70 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics) .....	2.99	
31 32 19 16-0028 SF 80 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics) .....	3.24	
31 32 19 16-0029 SF 90 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics) .....	3.59	
31 32 19 16-0030 SF 100 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics) .....	3.92	
<b>31 32 19 16-0031 High Density Polyethylene (HDPE) Geomembrane</b> <small>(31 32 19 16-0020)</small>		
31 32 19 16-0032 SF 20 Mil High Density Polyethylene Membrane (US Fabrics) .....	1.44	
31 32 19 16-0033 SF 30 Mil High Density Polyethylene Membrane (US Fabrics) .....	0.90	
31 32 19 16-0034 SF 40 Mil High Density Polyethylene Membrane (US Fabrics) .....	1.00	
31 32 19 16-0035 SF 50 Mil High Density Polyethylene Membrane (US Fabrics) .....	1.42	
31 32 19 16-0036 SF 60 Mil High Density Polyethylene Membrane (US Fabrics) .....	1.18	
31 32 19 16-0037 SF 80 Mil High Density Polyethylene Membrane (US Fabrics) .....	1.37	
31 32 19 16-0038 SF 100 Mil High Density Polyethylene Membrane (US Fabrics) .....	1.57	
31 32 19 16-0039 SF 120 Mil High Density Polyethylene Membrane (US Fabrics) .....	2.55	
31 32 19 16-0040 SF 140 Mil High Density Polyethylene Membrane (US Fabrics) .....	2.64	
<b>31 32 19 26 Geoweb Cellular Confinement System</b> <small>(31 32 19)</small>		
Note: Includes staples, stakes and filling cells with stockpiled material. Excludes site preparation and imported materials.		
<b>31 32 19 26-0001 Geoweb Cellular Confinement System</b> <small>(31 32 19 26)</small>		
Note: Includes staples, stakes and filling cells with stockpiled material. Excludes site preparation and imported materials.		
31 32 19 26-0002 SF 4" Geoweb Cellular Confinement System (Presto Geosystems) .....	7.46	
For >20,000, Deduct	-0.19	
For >2:1 Slope, Add	1.20	
31 32 19 26-0003 SF 6" Geoweb Cellular Confinement System (Presto Geosystems) .....	9.18	
For >20,000, Deduct	-0.28	
For >2:1 Slope, Add	1.20	
31 32 19 26-0004 SF 8" Geoweb Cellular Confinement System (Presto Geosystems) .....	11.23	
For >20,000, Deduct	-0.38	
For >2:1 Slope, Add	1.20	
<b>31 32 36 Soil Nailing</b> <small>(31 32)</small>		
<b>31 32 36 11 Soil Nailing Stabilization</b> <small>(31 32 36)</small>		
<b>31 32 36 11-0001 Landslide and Slip-Out Stabilization</b> <small>(31 32 36 11)</small>		
Note: Work shall consist of the Contractor stabilizing identified slides by internally reinforcing the soil mass with reinforcing elements (nails) by using one or more of the installation methods specified in this contract. The Owner will identify locations for work to be performed as specified herein. The Contractor shall review all locations with Owner representatives to determine the method to be used. The Contractor will provide all necessary engineering plans and details required to successfully repair slides as noted. These plans shall be stamped by a registered professional engineer with a current California license who is knowledgeable in the design and implementation of slope stabilization with soil nails and related work. The contractor shall furnish all labor, materials, and equipment required to complete the work. Any necessary installation methods and associated costs are the responsibility of the contractor. The Contractor and the Contractor's Engineer will also warrant the stability of the repaired roadway section for a period of 5 years.		
<b>31 32 36 11-0002 BioWall®</b> <small>(31 32 36 11-0001)</small>		
Note: Furnish and install the BioWall® to integrate with Launched Soil Nails™, SuperNails® or Self Drilling SuperNails®. The BioWall® is a confined soil/compost mass capable of sustaining vegetation at slope angles up to 1/4(H):1(V), and is composed of 2 layers of galvanized wire mesh and 2 layers of lightweight geosynthetic encasing a seeded compost and/or topsoil mix, tied to the soil nails by steel plates. Furnish equipment and incidentals necessary to complete the work. BioWall® to soil nail connection details will be determined by the Contractor's Engineer and identified in the Contractor's stamped plans and submittals. Unit Pricing excludes Daily Crew Rates for items See CSI section 31 32 36 11-0066 for Daily Crew Rates (DCR).		
31 32 36 11-0003 SF BioWall® Construction .....	25.00	
<b>31 32 36 11-0004 Green Terra Mesh</b> <small>(31 32 36 11-0001)</small>		
Note: Furnish and install the Green Terra Mesh. Furnish equipment and incidentals necessary to complete the work. Unit Pricing excludes Daily Crew Rates for items See CSI section 31 32 36 11-0066 for Daily Crew Rates (DCR).		
31 32 36 11-0005 EA Green Terra Mesh .....	635.25	



<b>Earthwork</b>	<b>31</b>	<b>13</b>
<b>Earthwork Methods</b>	<b>31 30</b>	
<b>Soil Stabilization</b>	<b>31 32</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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31 32 36 11-0006

**GeoSynthetically Confined Soil™ (GCS®) Components** (31 32 36 11-0001)

Note: Furnish and install geosynthetic reinforcement, backfill and facing element to construct a Geosynthetically Confined Soil Wall™ (GCS®). Designs shall comply with the Design Standards for Geosynthetically Confined Soil Walls (adapted from the NCHRP Report 556 – Design and Construction Guidelines for Geosynthetic – Reinforced Soil Bridge Abutments with a Flexible Facing) noted below. Reinforcement Selection and Placement: Geosynthetic reinforcement shall consist of high-tenacity geotextiles manufactured for soil reinforcement applications. Geotextiles shall not be exposed to sunlight and extreme temperatures for an extended period of time. Damaged or improperly handled geosynthetic reinforcement shall be rejected. Use a woven polypropylene geotextile with ultimate tensile strength of 2400 lbs/ft (Amoco 2044 or similar) in the cross-machine direction (as per ASTM D4595). The geosynthetic reinforcement perpendicular to the wall face should consist of one continuous piece of material. Overlap of reinforcement in the design strength direction is not permitted. Adjacent sections of geosynthetic reinforcement should be placed so as to ensure that horizontal coverage shown on the plans is provided. Tracked construction equipment shall not be operated directly on the geosynthetic reinforcement. A minimum backfill thickness of 150 mm (6 in.) is required before operation of tracked vehicles over the geosynthetic reinforcement. Turning of tracked vehicles should be kept to a minimum to prevent displacing the fill and damaging or moving the geosynthetic reinforcement. Rubber-tired equipment may pass over the geosynthetic reinforcement at slow speeds less than 17 km/hr (10 miles/hr). Sudden braking and sharp turning should be avoided. Backfill Specifications: Structure backfill material should consist of material free from organic or other unsuitable material as determined by the Contractor's Engineer. Grading of the backfill should be as follows: 100 percent passing 100 mm (4 in.) sieve, 0-60 percent passing No. 40 (0.425 mm) sieve, and 0-15 percent passing No. 200 (0.075mm) sieve; plasticity index (PI) as determined by AASHTO T90, should not exceed 6. The backfill should exhibit an angle of internal friction of not less than 34 degrees, as determined by the standard direct shear test on the portion finer than 2 mm (No.10) sieve, using a sample compacted to 95 percent of AASHTO T-99, Methods C or D, at optimum moisture content. No testing is required for backfills where 80 percent of sizes are greater than 19 mm. The backfill should be substantially free of shale or other soft, poor durability particles and should have an organic content not larger than 1 percent. The backfill should have a pH between 4.5 and 9. Backfill Placement: Reinforced fill should be placed as specified in construction plans in compacted lift thickness of 8in, but in no case in lifts greater than 12in. Reinforced fill should be placed and compacted at or within 2 percent dry of the optimum moisture content. If the reinforced fill is free draining (i.e., with less than 5 percent passing a No. 200 sieve), water content of the fill may be within ±3 percent of the optimum. A minimum density of 90 percent of standard Proctor density is required. Optimum compaction is 100 percent of AASHTO T-99 (or 95 percent of AASHTO T-180) but this may not be possible throughout the wall structure. If significant percentage of the backfill is coarse material (i.e., greater than 30 percent retained on the 19 mm, or 3/4 in., sieve), a procedural specification may be used to verify compaction, (no less than two passes with a conventional vibratory plate compaction equipment). Backfill should be placed, spread, and compacted so as to prevent the development of wrinkles or movement of the geosynthetic reinforcement and the wall facing units. Only hand-operated compaction equipment should be allowed within 0.5 m (1.5 ft) of the front of th See CSI section 31 32 36 11-0066 for Daily Crew Rates (DCR).

31 32 36 11-0007	SF	GeoSynthetically Confined Soil™ (GCS®) Wall Construction .....	23.75
Note: Installation sold per square face foot (excludes materials)			
31 32 36 11-0008	EA	GeoSynthetically Confined Soil™ (GCS®) Wall Galvanized Wire Basket Units (approximately 10" x 120") .....	108.50
31 32 36 11-0009	EA	GeoSynthetically Confined Soil™ (GCS®) Wall Concrete Masonry Units (approximately 8" x 8" x 16") .....	6.50
31 32 36 11-0010	SF	GeoSynthetically Confined Soil™ (GCS®) Wall Woven Geotextile .....	0.75

31 32 36 11-0011

**Turf** (31 32 36 11-0001)

Note: Unit Pricing excludes Daily Crew Rates for items See CSI section 31 32 36 11-0066 for Daily Crew Rates (DCR).

31 32 36 11-0012

**Permanent Turf Reinforcing Mat (TRM)** (31 32 36 11-0011)

Note: Furnish a web of mechanically bonded synthetic fibers that are entangled to form a strong and dimensionally stable mat. Place fibers between 2 or 3 high-strength, biaxially oriented nets mechanically bound together by stitching with polyolefin thread. The netting material must be resistant to biological, chemical, and ultra-violet degradation.

31 32 36 11-0013	SF	Permanent Turf Reinforcement Mat.....	1.50
Note: sold per square face foot			

31 32 36 11-0014

**Biodegradable Turf Reinforcing Mat (TRM)** (31 32 36 11-0011)

Note: Furnish a geotextile composed of seed free processed natural fiber matrix mechanically bound together with 100% degradable binding fiber or netting to form a continuous matrix.

31 32 36 11-0015	SF	Biodegradable Turf Reinforcement Mat.....	0.75
Note: sold per square face foot			

31 32 36 11-0016

**Shotcrete or Gunite** (31 32 36 11-0001)

Note: Unit Pricing excludes Daily Crew Rates for items See CSI section 31 32 36 11-0066 for Daily Crew Rates (DCR).

31	<b>31 Earthwork</b>
	<b>31 30 Earthwork Methods</b>
	<b>31 32 Soil Stabilization</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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31 32 36 11-0017

**Wet-Mix Shotcrete for use with Launched Soil Nails™, SuperNails®, SuperMicropiles™, Self-Drilling SuperNails® / SuperMicropiles™** (31 32 36 11-0016)

Note: Furnish steel reinforced shotcrete to integrate with Launched Soil Nails™, SuperNails®, SuperMicropiles™, Self Drilling SuperMicropiles™ or Self Drilling SuperNails® and complying with the requirements of ACI 506.2, "Specifications for Materials, Proportioning and Application of Shotcrete", except as otherwise specified. Shotcreting consists applying of one or more layers of concrete conveyed through a hose pneumatically projected at a high velocity against a prepared surface. Produce shotcrete by a wet-mix. The wet-mix process consists of thoroughly mixing all the ingredients except accelerating admixtures, but including the mixing water, introducing the mixture into the delivery equipment and delivering it, by positive displacement, to the nozzle. Air jet the wet-mix shotcrete from the nozzle at high velocity onto the surface. For additional descriptive information, refer to the American Concrete Institute ACI 506R "Guide to Shotcrete." The Contractor's Engineer shall provide all necessary details required to successfully construct the temporary or permanent facing and facing drainage system to satisfy the design intent of the facing. Comply with AASHTO Specifications, or accepted industry standards for any specific items that may not be addressed herein or elsewhere in this Contract Document. Use materials for shotcrete conforming to the following requirements: Cement  
AASHTO M85/ ASTM C150, Type I, II, III or V. Fine Aggregate AASHTO  
M6/ASTM C33 clean, natural. Coarse Aggregate AASHTO M80, Class B for quality Water  
Clean and Potable. AASHTO M157/ASTM C94 Chemical Admixtures Accelerator Fluid  
type, applied at nozzle, meeting requirements of AASHTO M194/ASTM C494/ASTM C1141. Water-reducer and  
Superplasticizer AASHTO M194/ASTM C494 Type A, C, D, E, F, or G  
Retarders AASHTO M194/ ASTM C494 Type B or D. Mineral Admixtures Fly Ash  
AASHTO M295/ASTM C618 Type F or C, cement replacement up to 35  
percent by weight of cement. Silica Fume ASTM C1240, 90 percent minimum silicon  
dioxide solids content, not to exceed 12 percent by weight of cement. Welded Wire Fabric  
AASHTO M55/ASTM A185 or A497. Double twisted hexagonal ASTM A975-97 guidelines for  
Double Twisted Hexagonal Mesh Gabions Prepackaged Shotcrete ASTM C928. PVC Drain Pipes: Pipe  
ASTM 1785 Schedule 40 PVC, solid and perforated wall, cell classification 12454-B or  
12354-C, wall thickness SDR 35, with solvent weld or elastomeric gasket joints. Deliver, store and handle  
materials to prevent contamination, segregation, corrosion or damage. Store liquid admixtures to prevent  
evaporation and freezing. Use aggregate for shotcrete meeting the strength and durability requirements of  
AASHTO M6/M80, as applicable, and the following gradation requirements: Sieve Size  
Percent Passing by Weight 1/2" 100 3/8"  
90-100 No. 4 70-85 No. 8 100  
Proportion the shotcrete to be pumpable with the concrete pump furnished for the work, with a cementing  
materials content of at least 390 kilograms per cubic meter and water/cement ratio not greater than 0.50. Do not  
use admixtures unless approved by the Contractor's Engineer. Thoroughly mix admixtures into the shotcrete at  
the rate specified by the manufacturer. Use only accelerators compatible with the cement used, non-corrosive to  
steel, and not promoting other detrimental effects such as cracking or excessive shrinkage. The maximum  
allowable chloride ion content of all ingredients is 0.10% when tested to AASHTO T260. Air entrainment is not  
required for temporary shotcrete construction facings. Provide shotcrete with a design compressive strength of  
2000 psi in 3 days and 4000 psi in 28 days. Batch aggregate and cement by weight or by volume in accordance  
with the requirements of ASTM C94 or AASHTO M241/ASTM C685. Use mixing equipment that thoroughly  
blends the materials in sufficient quantity to maintain placing continuity. Produce ready mix shotcrete complying

31 32 36 11-0018 SFI Wet-Mix Reinforced Shotcrete ..... 5.50  
Note: sold per inch thickness over one square face foot of area (includes reinforcing steel).



<b>Earthwork</b>	<b>31</b>	<b>13</b>
<b>Earthwork Methods</b>	<b>31 30</b>	
<b>Soil Stabilization</b>	<b>31 32</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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31 32 36 11-0019	<p><b>Dry-Mix Shotcrete for use with Launched Soil Nails™, SuperNails®, SuperMicropiles™, Self-Drilling SuperNails® / SuperMicropiles™</b> <small>(31 32 36 11-0019)</small></p> <p>Note: Furnish steel reinforced shotcrete to integrate with Launched Soil Nails™, SuperNails®, SuperMicropiles™, Self Drilling SuperMicropiles™ or Self Drilling SuperNails® and complying with the requirements of ACI 506.2, "Specifications for Materials, Proportioning and Application of Shotcrete", except as otherwise specified. Shotcreting consists applying of one or more layers of concrete conveyed through a hose pneumatically projected at a high velocity against a prepared surface. Produce shotcrete by a dry-mix. The dry-mix process consists of thoroughly mixing Portland cement and aggregate (and or synthetic fiber) thoroughly mixed dry, passed through a cement gun and conveyed by air through a flexible tube, hydrated at a nozzle at the end of such flexible tube and deposited by air pressure in its place of final repose. For additional descriptive information, refer to the American Concrete Institute ACI 506R "Guide to Shotcrete." The Contractor's Engineer shall provide all necessary details required to successfully construct the temporary or permanent facing and facing drainage system to satisfy the design intent of the facing. Comply with AASHTO Specifications, or accepted industry standards for any specific items that may not be addressed herein or elsewhere in this Contract Document. Use materials for shotcrete conforming to the following requirements: Cement  AASHTO M85/ ASTM C150, Type I, II, or III. Fine Aggregate AASHTO  M6/ASTM C33 clean, natural. Coarse Aggregate AASHTO M80, Class B for quality Fiber  Reinforcement ASTM C116-00  Water Clean and Potable. AASHTO M157/ASTM C94 and shall be maintained at a uniform pressure which shall be at least 15 pounds per square inch above air pressure at the nozzle. Chemical Admixtures Accelerator  Fluid type, applied at nozzle, meeting requirements of AASHTO M194/ASTM C494/ASTM C1141.  Water-reducer and Superplasticizer AASHTO M194/ASTM C494 Type A, C, D, E,  F, or G Retarders AASHTO M194/ ASTM C494 Type B or D. Mineral  Admixtures Fly Ash AASHTO M295/ASTM C618 Type F or C, cement  replacement up to 35 percent by weight of cement. Silica Fume ASTM C1240, 90 percent  minimum silicon dioxide solids content, not to exceed 12 percent by weight of cement. Welded Wire Fabric  AASHTO M55/ASTM A185 or A497. Double twisted hexagonal ASTM A975-97 guidelines for  Double Twisted Hexagonal Mesh Gabions Prepackaged Shotcrete ASTM C928. PVC Drain Pipes: Pipe  ASTM 1785 Schedule 40 PVC, solid and perforated wall, cell classification 12454-B or  12354-C, wall thickness SDR 35, with solvent weld or elastomeric gasket joints. Deliver, store and handle  materials to prevent contamination, segregation, corrosion or damage. Store liquid admixtures to prevent  evaporation and freezing. Use aggregate for shotcrete meeting the strength and durability requirements of  AASHTO M6/M80, as applicable, and the following gradation requirements: Sieve Size  Percent Passing by Weight 1/2" 100 3/8"  90-100 No. 4 70-85 No. 8 100  Proportion the shotcrete to be pumpable with the concrete pump furnished for the work, with a cementing  materials content of at least 390 kilograms per cubic meter and water/cement ratio not greater than 0.50. Do not  use admixtures unless approved by the Contractor's Engineer. Thoroughly mix admixtures into the shotcrete at  the rate specified by the manufacturer. Use only accelerators compatible with the cement used, non-corrosive to  steel, and not promoting other detrimental effects such as cracking or excessive shrinkage. The maximum  allowable chloride ion content of all ingredients is 0.10% when tested to AASHTO T260. Air entrainment is not  required for temporary shotcrete construction facings. Provide shotcrete with a design compressive strength of  2000 psi in 3 days and 4000 psi in 28 days. Batch aggregate and cement by weight or by volume in accordance  with the requirements of ASTM C94 or AASHTO M241/ASTM C6</p>	8.50
31 32 36 11-0020	<p>SFI Dry-Mix Reinforced Gunite ..... 8.50</p> <p>Note: sold per inch thickness over one square face foot of area (includes reinforcing steel).</p>	
31 32 36 11-0021	<p><b>Steel Fiber Reinforcement for use with Launched Soil Nails™, SuperNails®, SuperMicropiles™, Self-Drilling SuperNails® / SuperMicropiles™</b> <small>(31 32 36 11-0016)</small></p>	
31 32 36 11-0022	<p>SFI Steel Fiber Reinforcement ..... 1.25</p> <p>Note: sold per inch thickness over one square face foot of area</p>	
31 32 36 11-0023	<p><b>Steel Mesh and Steel Plates for use with Launched Soil Nails™, SuperNails® and Self Drilling SuperNails®</b> <small>(31 32 36 11-0001)</small></p> <p>Note: Unit Pricing excludes Daily Crew Rates for items See CSI section 31 32 36 11-0066 for Daily Crew Rates (DCR).</p>	
31 32 36 11-0024	<p><b>Steel Mesh Surface Treatment for use with Launched Soil Nails™, SuperNails® and Self Drilling SuperNails®</b> <small>(31 32 36 11-0023)</small></p> <p>Note: Furnish Galfan® Coated Steel Mesh for use with Launched Soil Nails™, SuperNails®, or Self Drilling SuperNails® that is a double twisted hexagonal galvanized steel wire mesh manufactured according to ASTM A975-97 guidelines for Double Twisted Hexagonal Mesh Gabions. Alternately, the mesh may be a diamond shaped, three dimensional mesh made with high capacity 3-millimeter diameter wire. Furnish steel plates to connect the mesh to the nail systems described herein. Furnish equipment and incidentals necessary to complete the work. Soil Nail to mesh connection details will be determined by the Contractor's Engineer and identified in the Contractor's stamped plans and submittals.</p>	
31 32 36 11-0025	<p>SF High Capacity Diamond Mesh ..... 11.00</p> <p>Note: sold per square face foot</p>	
31 32 36 11-0026	<p>SF Double Twist Wire Mesh ..... 13.75</p> <p>Note: sold per square face foot</p>	
31 32 36 11-0027	<p><b>Steel Plates</b> <small>(31 32 36 11-0023)</small></p>	
31 32 36 11-0028	EA Galvanized Steel Plates (8x8) ..... 35.00	
31 32 36 11-0029	EA Galvanized Steel Plates (10x10) ..... 54.75	
31 32 36 11-0030	EA Galvanized Steel Plates (12x12) ..... 78.75	
31 32 36 11-0031	EA Epoxy Coated Steel Plates (8x8) ..... 76.00	
31 32 36 11-0032	EA Epoxy Coated Steel Plates (10x10) ..... 89.25	
31 32 36 11-0033	EA Epoxy Coated Steel Plates (12x12) ..... 105.25	

<b>31</b>	<b>31 Earthwork</b>
	<b>31 30 Earthwork Methods</b>
	<b>31 32 Soil Stabilization</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**31 32 36 11-0034 Drilled Horizontal Drains** (31 32 36 11-0001)  
 Note: Unit Pricing excludes Daily Crew Rates for items See CSI section 31 32 36 11-0066 for Daily Crew Rates (DCR).

31 32 36 11-0035	LF	Drilled PVC Horizontal Drains (up to 2" Diameter).....	26.00
31 32 36 11-0036	LF	Stripdrain - 6" Wide.....	3.25
31 32 36 11-0037	LF	Stripdrain - 12" Wide.....	4.00
31 32 36 11-0038	LF	PVC Drain Collector Pipe System.....	26.75

**31 32 36 11-0039 Rockfall Stabilization** (31 32 36 11-0001)  
 Note: Unit Pricing excludes Daily Crew Rates for items See CSI section 31 32 36 11-0066 for Daily Crew Rates (DCR).

31 32 36 11-0040	SF	Scaling.....	3.75
31 32 36 11-0041	SF	Trim Blasting.....	155.00
31 32 36 11-0042	SY	Slope Drape - Double Twist Wire Mesh.....	45.00
31 32 36 11-0043	SY	Slope Drape - Cable Net.....	135.00
31 32 36 11-0044	SY	Slope Drape - Tecco Mesh (4mm).....	135.00
31 32 36 11-0045	LF	Temporary Rockfall Barrier.....	500.00
31 32 36 11-0046	LF	Low Reach Drilling (<25 feet).....	25.00
31 32 36 11-0047	LF	High Reach Drilling (>25 feet).....	45.00
31 32 36 11-0048	LF	Limited Access Drilling.....	100.00
31 32 36 11-0049	LF	F&I Rock Dowel - #8 Grade 75 All-Thread Bar (Galvanized).....	18.50
31 32 36 11-0050	LF	F&I Rock Dowel - #8 Grade 75 All-Thread Bar (Epoxy Coated).....	15.25
31 32 36 11-0051	LF	F&I Rock Dowel - #8 Grade 150 All-Thread Bar (Galvanized).....	23.25
31 32 36 11-0052	LF	F&I Rock Dowel - #8 Grade 150 All-Thread Bar (Epoxy Coated).....	17.25
31 32 36 11-0053	LF	F&I Rock Dowel - #10 Grade 75 All-Thread Bar (Galvanized).....	23.50
31 32 36 11-0054	LF	F&I Rock Dowel - #10 Grade 75 All-Thread Bar (Epoxy Coated).....	18.75
31 32 36 11-0055	LF	F&I Rock Dowel - #10 Grade 150 All-Thread Bar (Galvanized).....	26.50
31 32 36 11-0056	LF	F&I Rock Dowel - #10 Grade 150 All-Thread Bar (Epoxy Coated).....	21.00
31 32 36 11-0057	LF	F&I Rock Dowel - #11 Grade 75 All-Thread Bar (Galvanized).....	29.25
31 32 36 11-0058	LF	F&I Rock Dowel - #11 Grade 75 All-Thread Bar (Epoxy Coated).....	21.00
31 32 36 11-0059	LF	F&I Rock Dowel - #11 Grade 150 All-Thread Bar (Galvanized).....	34.50
31 32 36 11-0060	LF	F&I Rock Dowel - #11 Grade 150 All-Thread Bar (Epoxy Coated).....	31.75
31 32 36 11-0061	EA	Rock Anchor Testing.....	825.00

**31 32 36 11-0062 Mobilization / Demobilization** (31 32 36 11-0001)

31 32 36 11-0063	EA	Mobilization - In State.....	10,000.00
31 32 36 11-0064	EA	Mobilization - Out Of State.....	25,000.00
31 32 36 11-0065	EA	Mobilization - Specialty Equipment Adder.....	9,800.00

**31 32 36 11-0066 Daily Crew Rates (DCR)** (31 32 36 11-0001)

31 32 36 11-0067	DAY	Soils Stabilization Crew - DCR , Per Workday.....	13,150.00
31 32 36 11-0068	DAY	Rockfall Stabilization Crew - DCR, Per Workday.....	15,200.00
31 32 36 11-0069	DAY	Compaction Grouting Crew - DCR, Per Workday.....	12,925.00
31 32 36 11-0070	DAY	Additional Crew Member/Crew - DCR, Per Workday.....	2,050.00
31 32 36 11-0071	EA	Out of State Crew Rotation.....	4,950.00
31 32 36 11-0072	EA	Spider Excavation.....	5,500.00

**31 32 36 13 Driven Soil Nailing** (31 32 36)

**31 32 36 13-0001 Large Diameter Micropiles** (31 32 36 13)  
 Note: Unit Pricing excludes Daily Crew Rates for items See CSI section 31 32 36 11-0066 for Daily Crew Rates (DCR).

31 32 36 13-0002	LF	5" Micropiles (with up to 5.5" steel casing).....	94.50
31 32 36 13-0003	LF	7" Micropiles (with up to 7.625" steel casing).....	130.25
31 32 36 13-0004	LF	10" Micropiles (with up to 9.625" steel casing).....	166.50
31 32 36 13-0005	LF	12" Micropiles (with up to 11.875" steel casing).....	213.25

**31 32 36 16 Grouted Soil Nailing** (31 32 36)

**31 32 36 16-0001 Grouting** (31 32 36 16)  
 Note: Unit Pricing excludes Daily Crew Rates for items See CSI section 31 32 36 11-0066 for Daily Crew Rates (DCR).





	<b>Earthwork</b>	<b>31</b>	
	<b>Earthwork Methods</b>	<b>31 30</b>	<b>13</b>
	<b>Soil Stabilization</b>	<b>31 32</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**31 32 36 16-0002**

**Compaction Grouting** (31 32 36 16-0001)

Note: A. Furnish compaction grout material manufactured on-site (at the project location) in volumetric batching equipment so that grout rheology can be controlled real-time. The grout shall have a slump of 0.50" to 3.0" depending on the specific requirements of the project and shall conform to the engineering plans developed and submitted by the Contractor. Grout components shall consist of Type I/II cement, potable water and aggregate. Fly Ash may be added to the mix per the engineering plans. All aggregate for the compaction grout material shall meet the following requirements: a. 100% passing the 1/2" sieve b. Less than 2% organics c. No bentonite or other clay of medium to high plasticity shall be used. Site conditions and re-leveling requirements shall determine the exact proportions of cement, water and soil. The grout mix shall generally consist of aggregate with up to 12% cement by weight and water to form a very stiff mortar-like mixture. No admixtures shall be used without the Project Manager's approval, and previous testing. Mix design and test results of grout mixture must be submitted and approved by the Project Manager 15 Days prior to the commencement of the work. A. Gradations of the aggregate material to be utilized shall be submitted as part of the submittal process and prior to any work taking place. B. The compaction grouting mixer shall be of a type to ensure complete mixing of the stiff grout, as approved by the Project Manager. The compaction grout mixer shall be of sufficient capacity to continuously deliver grout having a slump of less than 1.5 inches at pressures up to 1,000 psi, at flow rates ranging from 0.1 to 5.0 cubic feet per minute. Gauges shall be provided at the pump and the grout pipe head to measure pressure the rate of flow. Type and location of gauges shall be as specified by the Contractor. A dial gauge or meter capable of measuring to 0.5 cubic feet or less shall be provided to measure the amount of grout pumped into the hole. A pressure gauge shall be graduated in 10-psi increments or less and used to measure the applied pressure. Compaction grout hose shall have a minimum inside diameter of 2 inches with non-restrictive full flow couplings. The hose shall be of sufficient strength for the pressures anticipated, and shall be in good condition.

31 32 36 16-0003	LF	Compaction Grouting Casing Installation.....	52.75
31 32 36 16-0004	CF	Compaction Grout Injection for Soils Densification.....	55.50
31 32 36 16-0005	CF	Compaction Grout For Void Fill.....	39.00

**31 32 36 16-0006**

**Polyurethane Grouting** (31 32 36 16-0001)

Note: The material shall be a two part 1:1 ratio by volume, polyurethane-forming mixture, having a water insoluble diluent, which permits the formation of polyurethanes in excess water. The material shall reach 90% Compressive strength in 30 minutes such that traffic may be returned to roadway within 30 minutes after last injection of material. Polyurethane Free-rise Physical Properties Property I Units ASTM Minimum Maximum Density - lb/cf D 1622 3.0 lb/cf 6.0 lb/cf Tensile Strength - psi D 1623 80 psi Compressive Strength at Yield Point - psi D 1621 60 psi Furnish equipment and incidentals necessary to complete the work. Polyurethane grout shall not be used for deep injection (deeper than 3 ft below bottom of structure) or soils densification, it shall only be used for void filling under structures and for re-leveling. The Contractor shall prepare a profile to determine the areas that require void filling and re-leveling and determine the locations of the injection holes for each treated area. The Contractor shall obtain approval for the final proposed grades and the location of injection holes. The Contractor shall submit a plan for approval of the proposed polyurethane injection methods for the designated project areas. The plan shall include, but not be limited to: proposed diameter of casing (if required), depth of placement, angle of inclination, injection tube spacing, and project staging. The plan shall include monitoring procedures to ensure that damage will not occur to any existing structures due to the injection process. Monitoring devices shall be installed on mechanically stabilized earth retaining systems and between approach slabs and approach slab footings or other components to help prevent damage. The Contractor shall drill a pattern of holes as proposed in his plan. The holes shall be located in a manner that the void filling and structure lifting process does not affect any adjoining structures, such as mechanically stabilized earth retaining walls. Holes shall not be drilled within 4" of the edge of the slab, construction joints or major cracks. No more holes shall be drilled and tubes installed during the day than can be filled during that day. On bridge approach and roadway projects, and as applicable, the initial lift shall be at the sleeper footer. The Contractor shall lift the sleeper footer and the approach slab to the desired elevation by injecting material under the structures with care to assure that polyurethane material is not placed between the sleeper footer and the approach slab. The amount of rise shall be controlled by regulating the rate of injection of the high density polyurethane material. When the nozzle is removed from the hole, any excessive polyurethane material shall be removed from the area.

31 32 36 16-0007	LB	Polyurethane Grouting For Void Fill and Re-Leveling.....	11.50
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**31 32 36 19**

**Corrosion-Protected Soil Nailing** (31 32 36)

**31 32 36 19-0001**

**Self-Drilling SuperNails® / SuperMicropiles™** (31 32 36 19)

Note: Furnish Self-Drilling SuperNails® / SuperMicropiles™ that consist of a hollow, threaded bar with a sacrificial drill bit. Multiple bars may be coupled to produce final length. Bar thread pattern should be continuous and conform to the pullout requirements of ASTM A 615 (Williams Form Engineering B7X or Ischebeck Titan bars, or approved equivalent). R-thread bars, bars/couplers made from high carbon (>0.20%) or high phosphorous (>0.06%) steels, or bars/couplers made from steels that do not meet the tensile ductility requirements of ASTM A 615 shall not be used for any tensile applications. Bar outer diameters shall be a minimum of 1.5 inches and up to and 3 inches depending on design load. Corrosion Protection for Self Drilling Nails shall follow current FHWA guidance. Inserted length and spacing of Self-Drilling SuperNails® / SuperMicropiles™ will be determined by the Contractor's Engineer and identified in the Contractor's stamped plans and submittals. Unit Pricing excludes Daily Crew Rates for items See CSI section 31 32 36 11-0066 for Daily Crew Rates (DCR).

**31 32 36 19-0002**

**Self-Drilling SuperNails®** (31 32 36 19-0001)

31 32 36 19-0003	EA	Self Drilling SuperNails® Up To 10 Ft. Length.....	559.00
31 32 36 19-0004	EA	Self Drilling SuperNails® Up To 20 Ft. Length.....	939.25
31 32 36 19-0005	EA	Self Drilling SuperNails® Up To 30 Ft. Length.....	1,305.75
31 32 36 19-0006	EA	Self Drilling SuperNails® Up To 40 Ft. Length.....	1,735.75
31 32 36 19-0007	EA	Self Drilling SuperNails® Up To 50 Ft. Length.....	2,119.75
31 32 36 19-0008	EA	Self Drilling SuperNails® Up To 60 Ft. Length.....	2,459.25
31 32 36 19-0009	EA	Self Drilling SuperNails® Up To 70 Ft. Length.....	2,879.25
31 32 36 19-0010	EA	Self Drilling SuperNails® Up To 80 Ft. Length.....	3,253.50
31 32 36 19-0011	EA	Additional Cost for 10' High Capacity X-51 Bar.....	129.50

**31 32 36 19-0012**

**SuperNail® Testing** (31 32 36 19)

Note: Unit Pricing excludes Daily Crew Rates for items See CSI section 31 32 36 11-0066 for Daily Crew Rates (DCR).

<b>31</b>	<b>31 Earthwork</b>
	<b>31 30 Earthwork Methods</b>
	<b>31 32 Soil Stabilization</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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31 32 36 19-0013	EA	SuperNail® Proof Testing .....	769.00	
31 32 36 19-0014	EA	SuperNail® Verification Testing .....	2,339.75	

**31 32 36 26 Launched Soil Nailing (31 32 36)**

**31 32 36 26-0001 Launched SuperDrain™ (Horizontal Drains) (31 32 36 26)**  
 Note: Furnish Launched SuperDrain™ up to 20 feet in length composed of a tube (1.5 inch outside diameter, 0.120 inch wall thickness hot-dipped galvanized 36ksi steel (ASTM A513) that is mechanically deformed or GalvaDized™ to produce a plurality of surficial asperities). Drainage perforations consist of 0.5-inch diameter holes drilled or torch-cut at 6 inch spacing along the distal 5 feet of nail. Every other hole is rotated 90° about the longitudinal axis of the nail. Furnish equipment and incidentals necessary to complete the work. Insert Launched SuperDrain™ with a single stroke at initial velocities in excess of 200 miles per hour. Inserted length and spacing will be determined by the Contractor's Engineer and identified in the Contractor's stamped plans and submittals. Unit Pricing excludes Daily Crew Rates for items See CSI section 31 32 36 11-0066 for Daily Crew Rates (DCR).

31 32 36 26-0002	EA	GalvaDized™ SuperDrain™ - Up To 20' .....	605.00	Note: perforated GalvaDized™ steel tube up to 20 ft. length.
31 32 36 26-0003	EA	Fiberglass SuperNail® - Up To 20' .....	621.50	Note: perforated fiberglass tube up to 20 ft. length, pressure grouted with #6 epoxy coated inner Bar.
31 32 36 26-0004	EA	GalvaDized™ SuperNail® - Up To 20' .....	478.50	Note: perforated GalvaDized™ steel tube up to 20 ft. length, pressure grouted with #6 epoxy coated inner Bar.
31 32 36 26-0005	EA	Temporary Launched Soil Nail .....	379.50	Note: bare steel tube up to 20 ft. length.
31 32 36 26-0006	EA	Fiberglass SuperDrain™ .....	495.00	Note: perforated fiberglass tube up to 20 ft. length.
31 32 36 26-0007	EA	GalvaDized™ SuperDrain™ .....	379.50	Note: perforated GalvaDized™ steel tube up to 20 ft. length.

**31 32 36 29 Drilled Soil Nailing (31 32 36)**

**31 32 36 29-0001 Drilled SuperNails® (Permanently Cased Soil Nails) (31 32 36 29)**  
 Note: Furnish SuperNails® that are a three stage construction including installation of (1) an outer tube (1.5 inch outside diameter, 0.120 inch wall thickness hot-dipped galvanized steel tube that is mechanically deformed or GalvaDized™ to produce a plurality of surficial asperities); (2) neat cement grout that completely encases and fills the outer tube; and (3) immediately install an epoxy coated, #6 (or greater) grade 75 threadbar as the inner bar. SuperNails® may be in lengths up to 60 feet. Although field adjustments in design may be allowed on certain projects (subject to approval by the Contractor's Engineer and the Owner) bidding an equivalent system is not allowed (i.e. the winning bidder must have the ability to install the above system). Furnish equipment and incidentals necessary to complete the work. Insert SuperNail® outer tubes with a single stroke at initial velocities in excess of 200 miles per hour or by drilling a hole to a prescribed depth and inserting the outer tube. Fill the outer tube with neat cement grout and immediately insert a #6 or larger epoxy coated inner threadbar. Inserted length and spacing will be determined by the Contractor's Engineer and identified in the Contractor's stamped plans and submittals. Unit Pricing excludes Daily Crew Rates for items See CSI section 31 32 36 11-0066 for Daily Crew Rates (DCR).

31 32 36 29-0002	EA	Drilled GalvaDized™ SuperNail® Up To 10 Ft. Length .....	602.25	Note: GalvaDized™ steel tube, drilled and grouted with #6 epoxy coated inner Bar.
31 32 36 29-0003	EA	Drilled GalvaDized™ SuperNail® Up To 20 Ft. Length .....	693.50	Note: GalvaDized™ steel tube, drilled and grouted with #6 epoxy coated inner Bar.
31 32 36 29-0004	EA	Drilled GalvaDized™ SuperNail® Up To 30 Ft. Length .....	921.50	Note: GalvaDized™ steel tube, drilled and grouted with #6 epoxy coated inner Bar.
31 32 36 29-0005	EA	Drilled GalvaDized™ SuperNail® Up To 40 Ft. Length .....	1,056.00	Note: GalvaDized™ steel tube, drilled and grouted with #6 epoxy coated inner Bar.
31 32 36 29-0006	EA	Drilled GalvaDized™ SuperNail® Up To 50 Ft. Length .....	1,171.50	Note: GalvaDized™ steel tube, drilled and grouted with #6 epoxy coated inner Bar.
31 32 36 29-0007	EA	Drilled GalvaDized™ SuperNail® Up To 60 Ft. Length .....	1,376.50	Note: GalvaDized™ steel tube, drilled and grouted with #6 epoxy coated inner Bar.
31 32 36 29-0008	EA	Drilled GalvaDized™ SuperNail® Up To 70 Ft. Length .....	1,624.75	Note: GalvaDized™ steel tube, drilled and grouted with #6 epoxy coated inner Bar.
31 32 36 29-0009	EA	Drilled GalvaDized™ SuperNail® Up To 80 Ft. Length .....	1,872.75	Note: GalvaDized™ steel tube, drilled and grouted with #6 epoxy coated inner Bar.

**31 32 36 33 Drilled / Launched Soil Nailing (31 32 36)**

**31 32 36 33-0001 Drilled / Launched SuperMicropiles™ (31 32 36 33)**  
 Note: Furnish SuperMicropiles™ that are a three stage construction including installation of (1) an outer tube (1.5 inch outside diameter, 0.120 inch wall thickness hot-dipped galvanized steel tube that is mechanically deformed or GalvaDized™ to produce a plurality of surficial asperities); (2) neat cement grout that completely encases and fills the outer tube; and (3) immediately install an epoxy coated, #6 (or greater) grade 75 threadbar as the inner bar. SuperMicropiles™ may be in lengths up to 60 feet. Although field adjustments in design may be allowed on certain projects (subject to approval by the Contractor's Engineer and the Owner) bidding an equivalent system is not allowed (i.e. the winning bidder must have the ability to install the above system). Furnish equipment and incidentals necessary to complete the work. Insert SuperMicropile™ outer tubes with a single stroke at initial velocities in excess of 200 miles per hour or by drilling a hole to a prescribed depth and inserting the outer tube. Fill the outer tube with neat cement grout and immediately insert a #6 or larger epoxy coated inner threadbar. Inserted length and spacing will be determined by the Contractor's Engineer and identified in the Contractor's stamped plans and submittals.

31 32 36 33-0002	EA	Drilled / Launched GalvaDized™ SuperMicropiles™ Up To 20 Ft. Length .....	695.00	Note: GalvaDized™ steel tube, grouted with #6 epoxy coated inner Bar.
31 32 36 33-0003	EA	Drilled / Launched GalvaDized™ SuperMicropiles™ Up To 30 Ft. Length .....	1,020.00	Note: GalvaDized™ steel tube, grouted with #6 epoxy coated inner Bar.
31 32 36 33-0004	EA	Drilled / Launched GalvaDized™ SuperMicropiles™ Up To 40 Ft. Length .....	1,280.00	Note: GalvaDized™ steel tube, grouted with #6 epoxy coated inner Bar.
31 32 36 33-0005	EA	Drilled / Launched GalvaDized™ SuperMicropiles™ Up To 50 Ft. Length .....	1,540.00	Note: GalvaDized™ steel tube, grouted with #6 epoxy coated inner Bar.



<b>Earthwork</b>	<b>31</b>	<b>13</b>
<b>Earthwork Methods</b>	<b>31 30</b>	
<b>Soil Stabilization</b>	<b>31 32</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**31 35 Slope Protection** (31 30)

**31 35 19 Geosynthetic Slope Protection** (31 35)

**31 35 19 19 Slope Protection with Mulch Control Netting** (31 35 19)

**31 35 19 19-0001 Erosion Control Fabric** (31 35 19 19)

31 35 19 19-0002	SY	26.6 OZ/SY Erosion Control Fabric (Belton Industries Geocoir 900)	5.21
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**31 36 Gabions** (31 30)

Note: Includes the cost for loading, hauling up to 15 miles from the closest approved source, unloading and placing. See CSI section 01 74 19 00-0055 for hauling greater than 15 miles.

**31 36 13 Gabion Boxes** (31 36)

**31 36 13 00-0001 Stone Filled Gabion Slope Protection** (31 36 13)

Note: Machine placed by SY of total top face area for depth indicated.

31 36 13 00-0002	SY	6" Deep Stone Filled Gabion Slope Protection	71.65
31 36 13 00-0003	SY	9" Deep Stone Filled Gabion Slope Protection	84.79
31 36 13 00-0004	SY	12" Deep Stone Filled Gabion Slope Protection	102.82
31 36 13 00-0005	SY	15" Deep Stone Filled Gabion Slope Protection	121.25
31 36 13 00-0006	SY	18" Deep Stone Filled Gabion Slope Protection	142.31
31 36 13 00-0007	SY	24" Deep Stone Filled Gabion Slope Protection	194.94
31 36 13 00-0008	SY	36" Deep Stone Filled Gabion Slope Protection	246.57

**31 37 Riprap** (31 30)

Note: Includes the cost for loading, hauling up to 15 miles from the closest approved source, and dumping. See CSI section 01 74 19 00-0055 for hauling greater than 15 miles.

**31 37 13 Machined Riprap** (31 37)

**31 37 13 00-0001 Random - Filter Stone** (31 37 13)

31 37 13 00-0002	CY	10 To 50 LB Average Pieces Random, Dumped From Truck, Rip Rap	86.88
		<i>For Chinking Material, Add</i>	14.40
31 37 13 00-0003	CY	>50 To 100 LB Average Pieces Random, Dumped From Truck, Rip Rap	101.58
		<i>For Chinking Material, Add</i>	14.40
31 37 13 00-0004	CY	>100 To 200 LB Average Pieces Random, Dumped From Truck, Rip Rap	108.51
		<i>For Chinking Material, Add</i>	14.40
31 37 13 00-0005	CY	>200 To 300 LB Average Pieces Random, Dumped From Truck, Rip Rap	116.40
		<i>For Chinking Material, Add</i>	14.40
31 37 13 00-0006	CY	>300 To 600 LB Average Pieces Random, Dumped From Truck, Rip Rap	122.75
		<i>For Chinking Material, Add</i>	14.40
31 37 13 00-0007	CY	>600 LB Average Pieces Random, Dumped From Truck, Rip Rap	133.16
31 37 13 00-0008	CY	3/8 To 1/4 CY Pieces Random, Dumped From Truck, Machine Spread And Placed Slope Protection (Keyed) Rip Rap	148.19
31 37 13 00-0009	TON	10 To 50 LB Average Pieces Random, Dumped From Truck, Rip Rap	57.19
31 37 13 00-0010	TON	>50 To 100 LB Average Pieces Random, Dumped From Truck, Rip Rap	66.52
31 37 13 00-0011	TON	>100 To 200 LB Average Pieces Random, Dumped From Truck, Rip Rap	70.92
31 37 13 00-0012	TON	>200 To 300 LB Average Pieces Random, Dumped From Truck, Rip Rap	75.93
31 37 13 00-0013	TON	>300 To 600 LB Average Pieces Random, Dumped From Truck, Rip Rap	79.97
31 37 13 00-0014	TON	>600 LB Average Pieces Random, Dumped From Truck, Rip Rap	86.65
31 37 13 00-0015	TON	3/8 To 1/4 CY Pieces Random, Dumped From Truck, Machine Spread And Placed Slope Protection (Keyed) Rip Rap	99.05

**31 40 Shoring and Underpinning** (31)

**31 41 Shoring** (31 40)

**31 41 13 Timber Shoring** (31 41)

**31 41 13 00-0001 Wood Sheet Piling** (31 41 13)

**31 41 13 00-0002 Pull And Salvage** (31 41 13 00-0001)

Note: Includes soldier beams and lagging (wales, braces and spacers). Excludes tie-backs (rock bolting) where required.

31 41 13 00-0003	SF	8' Deep Excavation, Wood Shoring, Pull And Salvage	13.38
		<i>For Wood Sheeting Left In Place</i>	-0.96
31 41 13 00-0004	SF	10' Deep Excavation, Wood Shoring, Pull And Salvage	14.47
		<i>For Wood Sheeting Left In Place</i>	-1.16
31 41 13 00-0005	SF	12' Deep Excavation, Wood Shoring, Pull And Salvage	15.66
		<i>For Wood Sheeting Left In Place</i>	-1.37
31 41 13 00-0006	SF	14' Deep Excavation, Wood Shoring, Pull And Salvage	16.95
		<i>For Wood Sheeting Left In Place</i>	-1.63
31 41 13 00-0007	SF	16' Deep Excavation, Wood Shoring, Pull And Salvage	18.34
		<i>For Wood Sheeting Left In Place</i>	-1.89
31 41 13 00-0008	SF	18' Deep Excavation, Wood Shoring, Pull And Salvage	19.86
		<i>For Wood Sheeting Left In Place</i>	-2.20
31 41 13 00-0009	SF	20' Deep Excavation, Wood Shoring, Pull And Salvage	21.51
		<i>For Wood Sheeting Left In Place</i>	-2.53

<b>31</b>	<b>31 Earthwork</b>
	<b>31 40 Shoring and Underpinning</b>
	<b>31 41 Shoring</b>



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

**31 41 16 Sheet Piling** (31 41)

**31 41 16 13 Steel Sheet Piling** (31 41 16)

**31 41 16 13-0001 Standard Carbon Grade Steel Sheeting - Pull And Salvage** (31 41 16 13)

Note: Up to 3 months, 38.5 KSI steel per SF minimum. PSF indicated is for the weight of the material per square foot. Includes soldier beams and lagging (wales, braces and spacers). Excludes tie-backs (rock bolting) where required.

31 41 16 13-0002	TON Driven Steel Sheet Piling, 15' Excavation, 22 PSF Steel Sheeting, Pull And Salvage.....	2,160.85
	<i>For Standard Sheeting Left In Place, Add</i>	1,133.87
	<i>For Lightweight Steel Sheeting 8.6 And 9.2 PSF Left In Place, Add</i>	1,090.46
	<i>For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add</i>	97.69
	<i>For High Strength Sheeting 55,000 PSI Grade, Add</i>	108.54
	<i>For Lightweight Steel Sheeting 8.6 And 9.2 PSF, Add</i>	336.49
	<i>For Each Additional Month &gt;3 Months, Add</i>	54.27
31 41 16 13-0003	TON Driven Steel Sheet Piling, 20' Excavation, 27 PSF Steel Sheeting, Pull And Salvage.....	2,248.03
	<i>For Standard Sheeting Left In Place, Add</i>	1,090.28
	<i>For Lightweight Steel Sheeting 8.6 And 9.2 PSF Left In Place, Add</i>	1,046.87
	<i>For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add</i>	97.69
	<i>For High Strength Sheeting 55,000 PSI Grade, Add</i>	108.54
	<i>For Lightweight Steel Sheeting 8.6 And 9.2 PSF, Add</i>	336.49
	<i>For Each Additional Month &gt;3 Months, Add</i>	54.27
31 41 16 13-0004	TON Driven Steel Sheet Piling, 25' Excavation, 38 PSF Steel Sheeting, Pull And Salvage.....	2,653.33
	<i>For Standard Sheeting Left In Place, Add</i>	887.63
	<i>For Lightweight Steel Sheeting 8.6 And 9.2 PSF Left In Place, Add</i>	844.22
	<i>For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add</i>	97.69
	<i>For High Strength Sheeting 55,000 PSI Grade, Add</i>	108.54
	<i>For Lightweight Steel Sheeting 8.6 And 9.2 PSF, Add</i>	336.49
	<i>For Each Additional Month &gt;3 Months, Add</i>	54.27
31 41 16 13-0005	TON Driven Steel Sheet Piling, 30' Excavation, 38 PSF Steel Sheeting, Pull And Salvage.....	3,043.34
	<i>For Standard Sheeting Left In Place, Add</i>	692.63
	<i>For Lightweight Steel Sheeting 8.6 And 9.2 PSF Left In Place, Add</i>	649.21
	<i>For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add</i>	97.69
	<i>For High Strength Sheeting 55,000 PSI Grade, Add</i>	108.54
	<i>For Lightweight Steel Sheeting 8.6 And 9.2 PSF, Add</i>	336.49
	<i>For Each Additional Month &gt;3 Months, Add</i>	54.27
31 41 16 13-0006	TON Driven Steel Sheet Piling, 35' Excavation, 38 PSF Steel Sheeting, Pull And Salvage.....	3,272.74
	<i>For Standard Sheeting Left In Place, Add</i>	577.93
	<i>For Lightweight Steel Sheeting 8.6 And 9.2 PSF Left In Place, Add</i>	534.51
	<i>For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add</i>	97.69
	<i>For High Strength Sheeting 55,000 PSI Grade, Add</i>	108.54
	<i>For Lightweight Steel Sheeting 8.6 And 9.2 PSF, Add</i>	336.49
	<i>For Each Additional Month &gt;3 Months, Add</i>	54.27
31 41 16 13-0007	TON Driven Steel Sheet Piling, 40' Excavation, 38 PSF Steel Sheeting, Pull And Salvage.....	3,506.75
	<i>For Standard Sheeting Left In Place, Add</i>	460.92
	<i>For Lightweight Steel Sheeting 8.6 And 9.2 PSF Left In Place, Add</i>	417.51
	<i>For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add</i>	97.69
	<i>For High Strength Sheeting 55,000 PSI Grade, Add</i>	108.54
	<i>For Lightweight Steel Sheeting 8.6 And 9.2 PSF, Add</i>	336.49
	<i>For Each Additional Month &gt;3 Months, Add</i>	54.27

**31 43 Concrete Raising** (31 40)

**31 43 13 Pressure Grouting** (31 43)

**31 43 13 16 Polyurethane Pressure Grouting** (31 43 13)

**31 43 13 16-0001 PolyLift™ Concrete Injection For Lifting And Leveling** (31 43 13 16)

31 43 13 16-0002	EA Mobilization PolyLift™ Concrete Lifting And Leveling Minimum Charge.....	3,678.49
31 43 13 16-0003	LB Up To 1,000 Lbs PolyLift™ Concrete Injection For Lifting And Leveling.....	28.98
	Note: Per pound of material.	
31 43 13 16-0004	LB >1,000 Lbs PolyLift™ Concrete Injection For Lifting And Leveling .....	24.29
	Note: Per pound of material.	

**31 45 Vibroflotation and Densification** (31 40)

**31 45 13 Vibroflotation** (31 45)

31 45 13 00-0001	LCY Soil Stabilization, Vibroflotation.....	16.24
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**31 60 Special Foundations and Load-bearing Elements** (31)

**31 62 Driven Piles** (31 60)

**31 62 13 Concrete Piles** (31 62)

**31 62 13 23 Prestressed Concrete Piles** (31 62 13)

**31 62 13 23-0001 Square Prestressed Driven Concrete Piles** (31 62 13 23)

31 62 13 23-0002	VLF 10" Square Prestressed Driven Concrete Pile .....	33.72
	<i>For Piles Driven In Water, Add</i>	16.45



<b>Earthwork</b>	<b>31</b>	<b>15</b>
<b>Special Foundations and Load-bearing Elements</b>	<b>31 60</b>	
<b>Driven Piles</b>	<b>31 62</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 62 13 23-0003 VLF 12" Square Prestressed Driven Concrete Pile .....	42.29	
For Piles Driven In Water, Add	18.54	
31 62 13 23-0004 VLF 14" Square Prestressed Driven Concrete Pile .....	51.22	
For Piles Driven In Water, Add	20.38	
31 62 13 23-0005 VLF 16" Square Prestressed Driven Concrete Pile .....	62.72	
For Piles Driven In Water, Add	22.63	
31 62 13 23-0006 VLF 18" Square Prestressed Driven Concrete Pile .....	76.10	
For Piles Driven In Water, Add	25.21	
31 62 13 23-0007 VLF 20" Square Prestressed Driven Concrete Pile .....	88.02	
For Piles Driven In Water, Add	27.88	
31 62 13 23-0008 VLF 24" Square Prestressed Driven Concrete Pile .....	112.22	
For Piles Driven In Water, Add	32.04	
<b>31 62 13 23-0009 Octagonal Prestressed Driven Concrete Piles (31 62 13 23)</b>		
31 62 13 23-0010 VLF 12" Octagonal Prestressed Driven Concrete Pile .....	37.86	
For Piles Driven In Water, Add	17.25	
31 62 13 23-0011 VLF 14" Octagonal Prestressed Driven Concrete Pile .....	46.43	
For Piles Driven In Water, Add	18.95	
31 62 13 23-0012 VLF 16" Octagonal Prestressed Driven Concrete Pile .....	55.12	
For Piles Driven In Water, Add	20.77	
31 62 13 23-0013 VLF 18" Octagonal Prestressed Driven Concrete Pile .....	65.88	
For Piles Driven In Water, Add	22.94	
31 62 13 23-0014 VLF 20" Octagonal Prestressed Driven Concrete Pile .....	70.12	
For Piles Driven In Water, Add	24.62	
31 62 13 23-0015 VLF 24" Octagonal Prestressed Driven Concrete Pile .....	74.63	
For Piles Driven In Water, Add	26.54	
<b>31 62 13 23-0016 Straight Cylinder Prestressed Driven Concrete Piles (31 62 13 23)</b>		
31 62 13 23-0017 VLF 12" Diameter, 2-3/8" Wall, Straight Cylinder Prestressed Driven Concrete Pile .....	54.26	
For Piles Driven In Water, Add	18.14	
31 62 13 23-0018 VLF 14" Diameter, 2-1/2" Wall, Straight Cylinder Prestressed Driven Concrete Pile .....	64.25	
For Piles Driven In Water, Add	19.89	
31 62 13 23-0019 VLF 16" Diameter, 3" Wall, Straight Cylinder Prestressed Driven Concrete Pile .....	76.09	
For Piles Driven In Water, Add	21.92	
31 62 13 23-0020 VLF 18" Diameter, 3-1/2" Wall, Straight Cylinder Prestressed Driven Concrete Pile .....	86.06	
For Piles Driven In Water, Add	23.86	
31 62 13 23-0021 VLF 20" Diameter, 4" Wall, Straight Cylinder Prestressed Driven Concrete Pile .....	108.09	
For Piles Driven In Water, Add	27.16	
31 62 13 23-0022 VLF 24" Diameter, 5" Wall, Straight Cylinder Prestressed Driven Concrete Pile .....	133.50	
For Piles Driven In Water, Add	30.95	
<b>31 62 16 Steel Piles (31 62)</b>		
<b>31 62 16 16 Steel H Piles (31 62 16)</b>		
<b>31 62 16 16-0001 Rolled, Driven Steel H Piles (31 62 16 16)</b>		
31 62 16 16-0002 VLF 8" x 8" x 36 LB/FT, Rolled, Driven Steel H Pile .....	34.68	
For Piles Driven In Water, Add	17.78	
31 62 16 16-0003 VLF 10" x 10" x 42 LB/FT, Rolled, Driven Steel H Pile .....	38.60	
For Piles Driven In Water, Add	18.88	
31 62 16 16-0004 VLF 10" x 10" x 57 LB/FT, Rolled, Driven Steel H Pile .....	46.43	
For Piles Driven In Water, Add	19.66	
31 62 16 16-0005 VLF 12" x 12" x 53 LB/FT, Rolled, Driven Steel H Pile .....	44.83	
For Piles Driven In Water, Add	19.95	
31 62 16 16-0006 VLF 12" x 12" x 63 LB/FT, Rolled, Driven Steel H Pile .....	50.05	
For Piles Driven In Water, Add	20.47	
31 62 16 16-0007 VLF 12" x 12" x 74 LB/FT, Rolled, Driven Steel H Pile .....	57.23	
For Piles Driven In Water, Add	22.48	
31 62 16 16-0008 VLF 12" x 12" x 84 LB/FT, Rolled, Driven Steel H Pile .....	62.44	
For Piles Driven In Water, Add	23.00	
31 62 16 16-0009 VLF 14" x 14" x 73 LB/FT, Rolled, Driven Steel H Pile .....	57.16	
For Piles Driven In Water, Add	22.88	
31 62 16 16-0010 VLF 14" x 14" x 89 LB/FT, Rolled, Driven Steel H Pile .....	66.02	
For Piles Driven In Water, Add	23.77	
31 62 16 16-0011 VLF 14" x 14" x 102 LB/FT, Rolled, Driven Steel H Pile .....	73.89	
For Piles Driven In Water, Add	25.99	
31 62 16 16-0012 VLF 14" x 14" x 117 LB/FT, Rolled, Driven Steel H Pile .....	82.23	
For Piles Driven In Water, Add	26.83	
31 62 16 16-0013 Splices, Caps, And Points For H-Piles (31 62 16 16)		
31 62 16 16-0014 Rolled Steel H Pile Splices (31 62 16 16-0013)		
31 62 16 16-0015 EA 8" Rolled Steel H Pile Splice .....	307.03	
31 62 16 16-0016 EA 10" Rolled Steel H Pile Splice .....	344.09	
31 62 16 16-0017 EA 12" Rolled Steel H Pile Splice .....	471.80	
31 62 16 16-0018 EA 14" Rolled Steel H Pile Splice .....	490.33	
31 62 16 16-0019 Rolled Steel H Driving Caps (31 62 16 16-0013)		

<b>31</b>	<b>Earthwork</b>
<b>31 60</b>	<b>Special Foundations and Load-bearing Elements</b>
<b>31 62</b>	<b>Driven Piles</b>



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 62 16 16-0020	EA	8" Rolled Steel H Driving Cap.....	3,081.00	
31 62 16 16-0021	EA	10" Rolled Steel H Driving Cap.....	3,081.00	
31 62 16 16-0022	EA	12" Rolled Steel H Driving Cap.....	3,138.31	
31 62 16 16-0023	EA	14" Rolled Steel H Driving Cap.....	4,713.22	
<b>31 62 16 16-0024</b>		<b>Rolled Steel H Standard Pile Points</b> (31 62 16 16-0013)		
31 62 16 16-0025	EA	8" Rolled Steel H Standard Pile Point.....	325.56	
31 62 16 16-0026	EA	10" Rolled Steel H Standard Pile Point.....	344.09	
31 62 16 16-0027	EA	12" Rolled Steel H Standard Pile Point.....	471.80	
31 62 16 16-0028	EA	14" Rolled Steel H Standard Pile Point.....	527.38	
31 62 16 16-0029	EA	10" Rolled Steel H Standard Pile Point.....	471.80	
31 62 16 16-0030	EA	14" Rolled Steel H Standard Pile Point.....	563.27	
<b>31 62 16 19</b>		<b>Unfilled Tubular Steel Piles</b> (31 62 16)		
<b>31 62 16 19-0001</b>		<b>Unfilled Tubular Driven Steel Piles</b> (31 62 16 19)		
31 62 16 19-0002	VLF	8" Diameter x 29 LB/FT, Unfilled Tubular Driven Steel Pile.....	58.54	
		<i>For Piles Driven In Water, Add</i>	24.17	
31 62 16 19-0003	VLF	8" Diameter x 36 LB/FT, Unfilled Tubular Driven Steel Pile.....	68.09	
		<i>For Piles Driven In Water, Add</i>	25.12	
31 62 16 19-0004	VLF	8" Diameter x 43 LB/FT, Unfilled Tubular Driven Steel Pile.....	78.40	
		<i>For Piles Driven In Water, Add</i>	26.16	
31 62 16 19-0005	VLF	10" Diameter x 34 LB/FT, Unfilled Tubular Driven Steel Pile.....	68.09	
		<i>For Piles Driven In Water, Add</i>	25.12	
31 62 16 19-0006	VLF	10" Diameter x 41 LB/FT, Unfilled Tubular Driven Steel Pile.....	77.16	
		<i>For Piles Driven In Water, Add</i>	26.03	
31 62 16 19-0007	VLF	10" Diameter x 55 LB/FT, Unfilled Tubular Driven Steel Pile.....	97.21	
		<i>For Piles Driven In Water, Add</i>	28.04	
31 62 16 19-0008	VLF	12" Diameter x 42 LB/FT, Unfilled Tubular Driven Steel Pile.....	80.40	
		<i>For Piles Driven In Water, Add</i>	27.32	
31 62 16 19-0009	VLF	12" Diameter x 50 LB/FT, Unfilled Tubular Driven Steel Pile.....	91.02	
		<i>For Piles Driven In Water, Add</i>	28.38	
31 62 16 19-0010	VLF	12" Diameter x 54 LB/FT, Unfilled Tubular Driven Steel Pile.....	96.92	
		<i>For Piles Driven In Water, Add</i>	28.97	
31 62 16 19-0011	VLF	12" Diameter x 65 LB/FT, Unfilled Tubular Driven Steel Pile.....	113.43	
		<i>For Piles Driven In Water, Add</i>	30.62	
31 62 16 19-0012	VLF	14" Diameter x 46 LB/FT, Unfilled Tubular Driven Steel Pile.....	86.89	
		<i>For Piles Driven In Water, Add</i>	29.98	
31 62 16 19-0013	VLF	14" Diameter x 55 LB/FT, Unfilled Tubular Driven Steel Pile.....	98.90	
		<i>For Piles Driven In Water, Add</i>	31.18	
31 62 16 19-0014	VLF	14" Diameter x 64 LB/FT, Unfilled Tubular Driven Steel Pile.....	110.91	
		<i>For Piles Driven In Water, Add</i>	32.39	
31 62 16 19-0015	VLF	14" Diameter x 72 LB/FT, Unfilled Tubular Driven Steel Pile.....	122.93	
		<i>For Piles Driven In Water, Add</i>	33.59	
31 62 16 19-0016	VLF	16" Diameter x 52 LB/FT, Unfilled Tubular Driven Steel Pile.....	96.66	
		<i>For Piles Driven In Water, Add</i>	33.45	
31 62 16 19-0017	VLF	16" Diameter x 63 LB/FT, Unfilled Tubular Driven Steel Pile.....	110.70	
		<i>For Piles Driven In Water, Add</i>	34.86	
31 62 16 19-0018	VLF	16" Diameter x 83 LB/FT, Unfilled Tubular Driven Steel Pile.....	138.09	
		<i>For Piles Driven In Water, Add</i>	37.60	
31 62 16 19-0019	VLF	18" Diameter x 59 LB/FT, Unfilled Tubular Driven Steel Pile.....	119.89	
		<i>For Piles Driven In Water, Add</i>	37.78	
31 62 16 19-0020	VLF	18" Diameter x 71 LB/FT, Unfilled Tubular Driven Steel Pile.....	138.14	
		<i>For Piles Driven In Water, Add</i>	39.61	
31 62 16 19-0021	VLF	18" Diameter x 93 LB/FT, Unfilled Tubular Driven Steel Pile.....	172.81	
		<i>For Piles Driven In Water, Add</i>	43.08	
<b>31 62 16 19-0022</b>		<b>Splices And Points For Pipe Piles</b> (31 62 16 19)		
<b>31 62 16 19-0023</b>		<b>Steel Pipe Pile Splices</b> (31 62 16 19-0022)		
31 62 16 19-0024	EA	8" Diameter, Steel Pipe Pile Splice.....	477.89	
31 62 16 19-0025	EA	10" Diameter, Steel Pipe Pile Splice.....	542.77	
31 62 16 19-0026	EA	12" Diameter, Steel Pipe Pile Splice.....	677.75	
31 62 16 19-0027	EA	14" Diameter, Steel Pipe Pile Splice.....	741.74	
31 62 16 19-0028	EA	16" Diameter, Steel Pipe Pile Splice.....	937.65	
31 62 16 19-0029	EA	18" Diameter, Steel Pipe Pile Splice.....	1,172.76	
<b>31 62 16 19-0030</b>		<b>Steel Pipe Standard Pile Points</b> (31 62 16 19-0022)		
31 62 16 19-0031	EA	8" Diameter, Steel Pipe Standard Pile Point.....	418.37	
31 62 16 19-0032	EA	10" Diameter, Steel Pipe Standard Pile Point.....	470.33	
31 62 16 19-0033	EA	12" Diameter, Steel Pipe Standard Pile Point.....	544.70	
31 62 16 19-0034	EA	14" Diameter, Steel Pipe Standard Pile Point.....	687.59	
31 62 16 19-0035	EA	16" Diameter, Steel Pipe Standard Pile Point.....	817.50	
31 62 16 19-0036	EA	18" Diameter, Steel Pipe Standard Pile Point.....	932.23	
<b>31 62 16 19-0037</b>		<b>Steel Pipe Heavy Duty Pile Points</b> (31 62 16 19-0022)		
31 62 16 19-0038	EA	10" Diameter, Steel Pipe Heavy Duty Pile Point.....	581.78	



<b>Earthwork</b>	<b>31</b>	
<b>Special Foundations and Load-bearing Elements</b>	<b>31 60</b>	<b>13</b>
<b>Driven Piles</b>	<b>31 62</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 62 16 19-0039 EA 12" Diameter, Steel Pipe Heavy Duty Pile Point.....	646.74	
31 62 16 19-0040 EA 14" Diameter, Steel Pipe Heavy Duty Pile Point.....	742.85	
31 62 16 19-0041 EA 16" Diameter, Steel Pipe Heavy Duty Pile Point.....	1,002.66	
31 62 16 19-0042 EA 18" Diameter, Steel Pipe Heavy Duty Pile Point.....	1,190.89	
<b>31 62 19 Timber Piles (31 62)</b>		
<b>31 62 19 00-0001 Friction Or End Bearing, Driven Treated Wood Piles (31 62 19)</b>		
Note: 12 LB Penta-treated/CF.		
31 62 19 00-0002 LF Up To 30', 12" Butt x 8" Tip, Friction Or End Bearing, Driven Treated Wood Pile .....	29.19	
For Piles Driven In Water, Add	15.64	
For Untreated Pile, Deduct	-5.57	
For Each Pile Tip Point, Add	12.50	
For Each Pile Butt, Driving Cap, Add	20.10	
For Each Splice For Pile >50', Add	139.40	
31 62 19 00-0003 LF >30' To 39', 12" Butt x 8" Tip, Friction Or End Bearing, Driven Treated Wood Pile .....	31.13	
For Piles Driven In Water, Add	17.42	
For Untreated Pile, Deduct	-5.64	
For Each Pile Tip Point, Add	12.50	
For Each Pile Butt, Driving Cap, Add	20.10	
For Each Splice For Pile >50', Add	139.40	
31 62 19 00-0004 LF 39' To 49', 12" Butt x 7" Tip, Friction Or End Bearing, Driven Treated Wood Pile .....	32.87	
For Piles Driven In Water, Add	18.54	
For Untreated Pile, Deduct	-5.89	
For Each Pile Tip Point, Add	12.50	
For Each Pile Butt, Driving Cap, Add	20.10	
For Each Splice For Pile >50', Add	139.40	
31 62 19 00-0005 LF >49' To 59', 13" Butt x 7" Tip, Friction Or End Bearing, Driven Treated Wood Pile .....	35.70	
For Piles Driven In Water, Add	20.73	
For Untreated Pile, Deduct	-6.15	
For Each Pile Tip Point, Add	12.50	
For Each Pile Butt, Driving Cap, Add	20.10	
For Each Splice For Pile >50', Add	139.40	
31 62 19 00-0006 LF >59' To 69', 13" Butt x 6" Tip, Friction Or End Bearing, Driven Treated Wood Pile .....	43.46	
For Piles Driven In Water, Add	23.43	
For Untreated Pile, Deduct	-8.24	
For Each Pile Tip Point, Add	12.50	
For Each Pile Butt, Driving Cap, Add	20.10	
For Each Splice For Pile >50', Add	139.40	
31 62 19 00-0007 LF >69' To 79', 13" Butt x 6" Tip, Friction Or End Bearing, Driven Treated Wood Pile .....	53.90	
For Piles Driven In Water, Add	28.29	
For Untreated Pile, Deduct	-10.53	
For Each Pile Tip Point, Add	12.50	
For Each Pile Butt, Driving Cap, Add	20.10	
For Each Splice For Pile >50', Add	139.40	
<b>31 62 23 Composite Piles (31 62)</b>		
<b>31 62 23 13 Concrete-Filled Steel Piles (31 62 23)</b>		
<b>31 62 23 13-0001 Concrete-Filled Driven Steel Pipe Piles (31 62 23 13)</b>		
Note: Includes 4,000 PSI concrete grout. Excludes reinforcing.		
31 62 23 13-0002 VLF 8" Diameter x 29 LB/FT, Concrete-Filled Driven Steel Pipe Pile.....	62.71	
For 5,000 PSI Concrete Grout Fill, Add	7.29	
For Piles Driven In Water, Add	26.18	
31 62 23 13-0003 VLF 8" Diameter x 36 LB/FT, Concrete-Filled Driven Steel Pipe Pile.....	72.26	
For 5,000 PSI Concrete Grout Fill, Add	8.24	
For Piles Driven In Water, Add	27.13	
31 62 23 13-0004 VLF 8" Diameter x 43 LB/FT, Concrete-Filled Driven Steel Pipe Pile.....	82.57	
For 5,000 PSI Concrete Grout Fill, Add	9.28	
For Piles Driven In Water, Add	28.17	
31 62 23 13-0005 VLF 10" Diameter x 34 LB/FT, Concrete-Filled Driven Steel Pipe Pile.....	74.17	
For 5,000 PSI Concrete Grout Fill, Add	10.20	
For Piles Driven In Water, Add	27.77	
31 62 23 13-0006 VLF 10" Diameter x 41 LB/FT, Concrete-Filled Driven Steel Pipe Pile.....	83.24	
For 5,000 PSI Concrete Grout Fill, Add	11.10	
For Piles Driven In Water, Add	28.67	
31 62 23 13-0007 VLF 10" Diameter x 55 LB/FT, Concrete-Filled Driven Steel Pipe Pile.....	103.29	
For 5,000 PSI Concrete Grout Fill, Add	13.11	
For Piles Driven In Water, Add	30.68	
31 62 23 13-0008 VLF 12" Diameter x 42 LB/FT, Concrete-Filled Driven Steel Pipe Pile.....	88.95	
For 5,000 PSI Concrete Grout Fill, Add	13.71	
For Piles Driven In Water, Add	30.95	
31 62 23 13-0009 VLF 12" Diameter x 50 LB/FT, Concrete-Filled Driven Steel Pipe Pile.....	99.57	
For 5,000 PSI Concrete Grout Fill, Add	14.78	
For Piles Driven In Water, Add	32.02	
31 62 23 13-0010 VLF 12" Diameter x 54 LB/FT, Concrete-Filled Driven Steel Pipe Pile.....	105.46	
For 5,000 PSI Concrete Grout Fill, Add	15.37	
For Piles Driven In Water, Add	32.61	
31 62 23 13-0011 VLF 12" Diameter x 65 LB/FT, Concrete-Filled Driven Steel Pipe Pile.....	121.98	
For 5,000 PSI Concrete Grout Fill, Add	17.02	
For Piles Driven In Water, Add	34.26	

**31 Earthwork****31 60 Special Foundations and Load-bearing Elements****31 62 Driven Piles**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 62 23 13-0012 VLF 14" Diameter x 46 LB/FT, Concrete-Filled Driven Steel Pipe Pile.....	98.39	
For 5,000 PSI Concrete Grout Fill, Add	16.85	
For Piles Driven In Water, Add	35.63	
31 62 23 13-0013 VLF 14" Diameter x 55 LB/FT, Concrete-Filled Driven Steel Pipe Pile.....	110.41	
For 5,000 PSI Concrete Grout Fill, Add	18.06	
For Piles Driven In Water, Add	36.84	
31 62 23 13-0014 VLF 14" Diameter x 64 LB/FT, Concrete-Filled Driven Steel Pipe Pile.....	122.42	
For 5,000 PSI Concrete Grout Fill, Add	19.26	
For Piles Driven In Water, Add	38.04	
31 62 23 13-0015 VLF 14" Diameter x 72 LB/FT, Concrete-Filled Driven Steel Pipe Pile.....	134.43	
For 5,000 PSI Concrete Grout Fill, Add	20.46	
For Piles Driven In Water, Add	39.24	
31 62 23 13-0016 VLF 16" Diameter x 52 LB/FT, Concrete-Filled Driven Steel Pipe Pile.....	109.20	
For 5,000 PSI Concrete Grout Fill, Add	20.79	
For Piles Driven In Water, Add	38.25	
31 62 23 13-0017 VLF 16" Diameter x 63 LB/FT, Concrete-Filled Driven Steel Pipe Pile.....	123.24	
For 5,000 PSI Concrete Grout Fill, Add	22.20	
For Piles Driven In Water, Add	39.66	
31 62 23 13-0018 VLF 16" Diameter x 83 LB/FT, Concrete-Filled Driven Steel Pipe Pile.....	150.63	
For 5,000 PSI Concrete Grout Fill, Add	24.94	
For Piles Driven In Water, Add	42.40	
31 62 23 13-0019 VLF 18" Diameter x 59 LB/FT, Concrete-Filled Driven Steel Pipe Pile.....	135.03	
For 5,000 PSI Concrete Grout Fill, Add	26.59	
For Piles Driven In Water, Add	43.04	
31 62 23 13-0020 VLF 18" Diameter x 71 LB/FT, Concrete-Filled Driven Steel Pipe Pile.....	153.28	
For 5,000 PSI Concrete Grout Fill, Add	28.42	
For Piles Driven In Water, Add	44.87	
31 62 23 13-0021 VLF 18" Diameter x 93 LB/FT, Concrete-Filled Driven Steel Pipe Pile.....	187.95	
For 5,000 PSI Concrete Grout Fill, Add	31.88	
For Piles Driven In Water, Add	48.33	
<b>31 62 23 13-0022 7 Gauge, Constant Diameter Concrete-Filled Driven Steel Piles</b> <small>(31 62 23 13)</small>		
Note: End bearing, with fluted steel casing, up to 50'. Includes 4,000 PSI concrete. Excludes reinforcing.		
31 62 23 13-0023 VLF 12" Diameter, 7 Gauge, Constant Diameter Concrete-Filled Driven Steel Pile.....	82.70	
For Piles Driven In Water, Add	23.53	
31 62 23 13-0024 VLF 14" Diameter, 7 Gauge, Constant Diameter Concrete-Filled Driven Steel Pile.....	100.74	
For Piles Driven In Water, Add	26.43	
31 62 23 13-0025 VLF 16" Diameter, 7 Gauge, Constant Diameter Concrete-Filled Driven Steel Pile.....	114.18	
For Piles Driven In Water, Add	29.02	
31 62 23 13-0026 VLF 18" Diameter, 7 Gauge, Constant Diameter Concrete-Filled Driven Steel Pile.....	124.23	
For Piles Driven In Water, Add	31.50	
<b>31 62 23 13-0027 Tapered Friction Concrete-Filled Driven Steel Piles</b> <small>(31 62 23 13)</small>		
Note: With fluted steel casing, up to 50'. Includes 4,000 PSI concrete. Excludes reinforcing.		
31 62 23 13-0028 VLF 12" Diameter, 7 Gauge, Tapered Friction Concrete-Filled Driven Steel Pile.....	81.08	
For Piles Driven In Water, Add	23.36	
31 62 23 13-0029 VLF 14" Diameter, 7 Gauge, Tapered Friction Concrete-Filled Driven Steel Pile.....	83.11	
For Piles Driven In Water, Add	24.66	
31 62 23 13-0030 VLF 16" Diameter, 7 Gauge, Tapered Friction Concrete-Filled Driven Steel Pile.....	101.82	
For Piles Driven In Water, Add	27.79	
31 62 23 13-0031 VLF 18" Diameter, 7 Gauge, Tapered Friction Concrete-Filled Driven Steel Pile.....	117.70	
For Piles Driven In Water, Add	30.85	
<b>31 62 23 13-0032 Thin Wall Shell Straight Sided Driven Steel Piles</b> <small>(31 62 23 13)</small>		
31 62 23 13-0033 VLF 8" Diameter, 16 Gauge, Thin Wall Shell Straight Sided Driven Steel Pile.....	48.10	
For Piles Driven In Water, Add	17.69	
For Thick Wall Shell, Add	0.08	
31 62 23 13-0034 VLF 10" Diameter, 16 Gauge, Thin Wall Shell Straight Sided Driven Steel Pile.....	53.08	
For Piles Driven In Water, Add	19.62	
For Thick Wall Shell, Add	0.09	
31 62 23 13-0035 VLF 12" Diameter, 16 Gauge, Thin Wall Shell Straight Sided Driven Steel Pile.....	58.01	
For Piles Driven In Water, Add	21.54	
For Thick Wall Shell, Add	0.10	
31 62 23 13-0036 VLF 14" Diameter, 16 Gauge, Thin Wall Shell Straight Sided Driven Steel Pile.....	62.99	
For Piles Driven In Water, Add	23.46	
For Thick Wall Shell, Add	0.11	
31 62 23 13-0037 VLF 16" Diameter, 16 Gauge, Thin Wall Shell Straight Sided Driven Steel Pile.....	67.98	
For Piles Driven In Water, Add	25.40	
For Thick Wall Shell, Add	0.12	
<b>31 63 Bored Piles</b> <small>(31 60)</small>		
<b>31 63 36 Drilled Steel Piles</b> <small>(31 63)</small>		
31 63 36 00-0001 Drill Hole <small>(31 63 36)</small>		
Note: Excludes removal of excess material.		
31 63 36 00-0002 Drilling Mobilization <small>(31 63 36 00-0001)</small>		
31 63 36 00-0003 EA >12" To 24" Diameter Hole, Drilling Mobilization.....	952.87	
31 63 36 00-0004 EA >24" Diameter Hole, Drilling Mobilization.....	1,270.50	





<b>Earthwork</b>	<b>31</b>	<b>13</b>
<b>Special Foundations and Load-bearing Elements</b>	<b>31 60</b>	
<b>Bored Piles</b>	<b>31 63</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>31 63 36 00-0005</b> <b>Drill Hole In Soil</b> <small>(31 63 36 00-0001)</small>		
31 63 36 00-0006    LF    18" Diameter, Up To 24' Depth, Drilled/Augered Hole .....	51.98	
31 63 36 00-0007    LF    20" Diameter, Up To 24' Depth, Drilled/Augered Hole .....	60.45	
31 63 36 00-0008    LF    22" Diameter, Up To 24' Depth, Drilled/Augered Hole .....	71.03	
31 63 36 00-0009    LF    24" Diameter, Up To 24' Depth, Drilled/Augered Hole .....	83.72	
31 63 36 00-0010    LF    26" Diameter, Up To 24' Depth, Drilled/Augered Hole .....	90.49	
31 63 36 00-0011    LF    28" Diameter, Up To 24' Depth, Drilled/Augered Hole .....	99.56	
31 63 36 00-0012    LF    30" Diameter, Up To 24' Depth, Drilled/Augered Hole .....	109.05	
<b>31 63 36 00-0013</b> <b>Steel H Piles</b> <small>(31 63 36)</small>		
<b>31 63 36 00-0014</b> <b>Placed In Drilled Hole, Rolled Steel H-Section Piles</b> <small>(31 63 36 00-0013)</small>		
<i>Note: Includes guides, bracing and alignment.</i>		
31 63 36 00-0015    VLF   8" x 8" x 36 LB/FT, Placed In Drilled Hole, Rolled Steel H Pile.....	31.56	
<i>For &gt;2,400 To 3,600, Deduct</i>	-1.11	
<i>For &gt;3,600 To 4,800, Deduct</i>	-2.22	
<i>For &gt;4,800 To 6,000, Deduct</i>	-3.80	
<i>For &gt;6,000, Deduct</i>	-5.37	
31 63 36 00-0016    VLF   10" x 10" x 42 LB/FT, Placed In Drilled Hole, Rolled Steel H Pile.....	35.33	
<i>For &gt;2,400 To 3,600, Deduct</i>	-1.22	
<i>For &gt;3,600 To 4,800, Deduct</i>	-2.44	
<i>For &gt;4,800 To 6,000, Deduct</i>	-4.20	
<i>For &gt;6,000, Deduct</i>	-5.97	
31 63 36 00-0017    VLF   10" x 10" x 57 LB/FT, Placed In Drilled Hole, Rolled Steel H Pile.....	43.16	
<i>For &gt;2,400 To 3,600, Deduct</i>	-1.41	
<i>For &gt;3,600 To 4,800, Deduct</i>	-2.83	
<i>For &gt;4,800 To 6,000, Deduct</i>	-4.99	
<i>For &gt;6,000, Deduct</i>	-7.15	
31 63 36 00-0018    VLF   12" x 12" x 53 LB/FT, Placed In Drilled Hole, Rolled Steel H Pile.....	41.47	
<i>For &gt;2,400 To 3,600, Deduct</i>	-1.38	
<i>For &gt;3,600 To 4,800, Deduct</i>	-2.76	
<i>For &gt;4,800 To 6,000, Deduct</i>	-4.84	
<i>For &gt;6,000, Deduct</i>	-6.91	
31 63 36 00-0019    VLF   12" x 12" x 63 LB/FT, Placed In Drilled Hole, Rolled Steel H Pile.....	46.69	
<i>For &gt;2,400 To 3,600, Deduct</i>	-1.51	
<i>For &gt;3,600 To 4,800, Deduct</i>	-3.03	
<i>For &gt;4,800 To 6,000, Deduct</i>	-5.36	
<i>For &gt;6,000, Deduct</i>	-7.69	
31 63 36 00-0020    VLF   12" x 12" x 74 LB/FT, Placed In Drilled Hole, Rolled Steel H Pile.....	53.57	
<i>For &gt;2,400 To 3,600, Deduct</i>	-1.71	
<i>For &gt;3,600 To 4,800, Deduct</i>	-3.43	
<i>For &gt;4,800 To 6,000, Deduct</i>	-6.11	
<i>For &gt;6,000, Deduct</i>	-8.78	
31 63 36 00-0021    VLF   12" x 12" x 84 LB/FT, Placed In Drilled Hole, Rolled Steel H Pile.....	58.78	
<i>For &gt;2,400 To 3,600, Deduct</i>	-1.84	
<i>For &gt;3,600 To 4,800, Deduct</i>	-3.69	
<i>For &gt;4,800 To 6,000, Deduct</i>	-6.63	
<i>For &gt;6,000, Deduct</i>	-9.57	
31 63 36 00-0022    VLF   14" x 14" x 73 LB/FT, Placed In Drilled Hole, Rolled Steel H Pile.....	53.43	
<i>For &gt;2,400 To 3,600, Deduct</i>	-1.72	
<i>For &gt;3,600 To 4,800, Deduct</i>	-3.44	
<i>For &gt;4,800 To 6,000, Deduct</i>	-6.11	
<i>For &gt;6,000, Deduct</i>	-8.78	
31 63 36 00-0023    VLF   14" x 14" x 89 LB/FT, Placed In Drilled Hole, Rolled Steel H Pile.....	62.29	
<i>For &gt;2,400 To 3,600, Deduct</i>	-1.94	
<i>For &gt;3,600 To 4,800, Deduct</i>	-3.88	
<i>For &gt;4,800 To 6,000, Deduct</i>	-7.00	
<i>For &gt;6,000, Deduct</i>	-10.11	
31 63 36 00-0024    VLF   14" x 14" x 102 LB/FT, Placed In Drilled Hole, Rolled Steel H Pile.....	69.84	
<i>For &gt;2,400 To 3,600, Deduct</i>	-2.16	
<i>For &gt;3,600 To 4,800, Deduct</i>	-4.32	
<i>For &gt;4,800 To 6,000, Deduct</i>	-7.82	
<i>For &gt;6,000, Deduct</i>	-11.31	
31 63 36 00-0025    VLF   14" x 14" x 117 LB/FT, Placed In Drilled Hole, Rolled Steel H Pile.....	78.18	
<i>For &gt;2,400 To 3,600, Deduct</i>	-2.37	
<i>For &gt;3,600 To 4,800, Deduct</i>	-4.74	
<i>For &gt;4,800 To 6,000, Deduct</i>	-8.65	
<i>For &gt;6,000, Deduct</i>	-12.56	
<b>31 63 36 00-0026</b> <b>Welded Steel Stud Pins</b> <small>(31 63 36 00-0013)</small>		
<i>Note: Includes welding to steel piles.</i>		
31 63 36 00-0027    EA    5/8" Diameter x 2-1/2" Long, Welded Steel Stud Pins .....	13.61	
<i>For &gt;50 To 150, Deduct</i>	-0.59	
<i>For &gt;150 To 250, Deduct</i>	-1.23	
<i>For &gt;250 To 500, Deduct</i>	-1.86	
<i>For &gt;500, Deduct</i>	-2.50	
31 63 36 00-0028    EA    5/8" Diameter x 5" Long, Welded Steel Stud Pins .....	15.43	
<i>For &gt;50 To 150, Deduct</i>	-0.59	
<i>For &gt;150 To 250, Deduct</i>	-1.27	
<i>For &gt;250 To 500, Deduct</i>	-1.95	
<i>For &gt;500, Deduct</i>	-2.64	

**31 Earthwork****31 60 Special Foundations and Load-bearing Elements****31 63 Bored Piles**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 63 36 00-0029 EA 5/8" Diameter x 7" Long, Welded Steel Stud Pins .....	17.18	
For >50 To 150, Deduct	-0.59	
For >150 To 250, Deduct	-1.32	
For >250 To 500, Deduct	-2.04	
For >500, Deduct	-2.77	
31 63 36 00-0030 EA 3/4" Diameter x 2-1/2" Long, Welded Steel Stud Pins .....	15.27	
For >50 To 150, Deduct	-0.62	
For >150 To 250, Deduct	-1.31	
For >250 To 500, Deduct	-2.00	
For >500, Deduct	-2.70	
31 63 36 00-0031 EA 3/4" Diameter x 5" Long, Welded Steel Stud Pins .....	18.03	
For >50 To 150, Deduct	-0.62	
For >150 To 250, Deduct	-1.38	
For >250 To 500, Deduct	-2.14	
For >500, Deduct	-2.90	
31 63 36 00-0032 EA 3/4" Diameter x 7" Long, Welded Steel Stud Pins .....	19.96	
For >50 To 150, Deduct	-0.62	
For >150 To 250, Deduct	-1.43	
For >250 To 500, Deduct	-2.24	
For >500, Deduct	-3.05	
31 63 36 00-0033 EA 7/8" Diameter x 2-1/2" Long, Welded Steel Stud Pins .....	17.42	
For >50 To 150, Deduct	-0.65	
For >150 To 250, Deduct	-1.41	
For >250 To 500, Deduct	-2.16	
For >500, Deduct	-2.92	
31 63 36 00-0034 EA 7/8" Diameter x 5" Long, Welded Steel Stud Pins .....	21.90	
For >50 To 150, Deduct	-0.65	
For >150 To 250, Deduct	-1.52	
For >250 To 500, Deduct	-2.39	
For >500, Deduct	-3.26	
31 63 36 00-0035 EA 7/8" Diameter x 7" Long, Welded Steel Stud Pins .....	24.10	
For >50 To 150, Deduct	-0.65	
For >150 To 250, Deduct	-1.57	
For >250 To 500, Deduct	-2.50	
For >500, Deduct	-3.42	
<b>31 63 36 00-0036 Concrete Fill <small>(31 63 36)</small></b>		
See CSI section 03 37 16 00-0001 for pumping equipment.		
31 63 36 00-0037 VLF 18" Diameter Hole Pumped Concrete Fill For Drilled Pile.....	47.26	
31 63 36 00-0038 VLF 20" Diameter Hole Pumped Concrete Fill For Drilled Pile.....	52.52	
31 63 36 00-0039 VLF 22" Diameter Hole Pumped Concrete Fill For Drilled Pile.....	57.77	
31 63 36 00-0040 VLF 24" Diameter Hole Pumped Concrete Fill For Drilled Pile.....	63.02	
31 63 36 00-0041 VLF 26" Diameter Hole Pumped Concrete Fill For Drilled Pile.....	68.26	
31 63 36 00-0042 VLF 28" Diameter Hole Pumped Concrete Fill For Drilled Pile.....	73.52	
31 63 36 00-0043 VLF 30" Diameter Hole Pumped Concrete Fill For Drilled Pile.....	85.49	

**END OF SECTION 31**



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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## 32 Exterior Improvements

### 32 01 Operation and Maintenance of Exterior Improvements <sup>(32)</sup>

#### 32 01 11 Paving Cleaning <sup>(32 01)</sup>

##### 32 01 11 53 Paint Removal from Paving <sup>(32 01 11)</sup>

##### 32 01 11 53-0001 Remove Painted Or Epoxy Pavement Markings <sup>(32 01 11 53)</sup>

Note: Includes stripe removal by grinding, vacuuming of removed striped area and containment of debris.

32 01 11 53-0002	LF Removal Of 4" Wide Painted Or Epoxy Pavement Striping .....	2.07
	For Up To 250, Add	1.04
	For >250 To 1,000, Add	0.52
	For >5,000 To 10,000, Deduct	-0.31
	For >10,000 To 25,000, Deduct	-0.52
	For >25,000 To 50,000, Deduct	-0.72
	For >50,000, Deduct	-0.83
32 01 11 53-0003	LF Removal Of 6" Wide Painted Or Epoxy Pavement Striping .....	2.48
	For Up To 250, Add	1.24
	For >250 To 1,000, Add	0.62
	For >5,000 To 10,000, Deduct	-0.37
	For >10,000 To 25,000, Deduct	-0.62
	For >25,000 To 50,000, Deduct	-0.87
	For >50,000, Deduct	-0.99
32 01 11 53-0004	LF Removal Of 8" Wide Painted Or Epoxy Pavement Striping .....	2.97
	For Up To 250, Add	1.49
	For >250 To 1,000, Add	0.74
	For >5,000 To 10,000, Deduct	-0.45
	For >10,000 To 25,000, Deduct	-0.74
	For >25,000 To 50,000, Deduct	-1.04
	For >50,000, Deduct	-1.19
32 01 11 53-0005	LF Removal Of 12" Wide Painted Or Epoxy Pavement Striping .....	3.56
	For Up To 250, Add	1.78
	For >250 To 1,000, Add	0.89
	For >5,000 To 10,000, Deduct	-0.53
	For >10,000 To 25,000, Deduct	-0.89
	For >25,000 To 50,000, Deduct	-1.25
	For >50,000, Deduct	-1.42
32 01 11 53-0006	SF Removal Of Painted Or Epoxy Pavement Marking, Letters Or Symbols .....	3.56
	For Up To 250, Add	1.78
	For >250 To 1,000, Add	0.89
	For >5,000 To 10,000, Deduct	-0.53
	For >10,000 To 25,000, Deduct	-0.89
	For >25,000 To 50,000, Deduct	-1.25
	For >50,000, Deduct	-1.42
32 01 11 53-0007	LF Removal Of 4" Wide Thermoplastic Pavement Striping .....	2.66
	For Up To 250, Add	1.33
	For >250 To 1,000, Add	0.67
	For >5,000 To 10,000, Deduct	-0.40
	For >10,000 To 25,000, Deduct	-0.67
	For >25,000 To 50,000, Deduct	-0.93
	For >50,000, Deduct	-1.06
32 01 11 53-0008	LF Removal Of 6" Wide Thermoplastic Pavement Striping .....	3.14
	For Up To 250, Add	1.57
	For >250 To 1,000, Add	0.79
	For >5,000 To 10,000, Deduct	-0.47
	For >10,000 To 25,000, Deduct	-0.79
	For >25,000 To 50,000, Deduct	-1.10
	For >50,000, Deduct	-1.26
32 01 11 53-0009	LF Removal Of 8" Wide Thermoplastic Pavement Striping .....	3.79
	For Up To 250, Add	1.90
	For >250 To 1,000, Add	0.95
	For >5,000 To 10,000, Deduct	-0.57
	For >10,000 To 25,000, Deduct	-0.95
	For >25,000 To 50,000, Deduct	-1.33
	For >50,000, Deduct	-1.52
32 01 11 53-0010	LF Removal Of 12" Wide Thermoplastic Pavement Striping .....	4.54
	For Up To 250, Add	2.27
	For >250 To 1,000, Add	1.14
	For >5,000 To 10,000, Deduct	-0.68
	For >10,000 To 25,000, Deduct	-1.14
	For >25,000 To 50,000, Deduct	-1.59
	For >50,000, Deduct	-1.82
32 01 11 53-0011	SF Removal Of Thermoplastic Pavement Marking, Letters Or Symbols .....	4.54
	For Up To 250, Add	2.27
	For >250 To 1,000, Add	1.14
	For >5,000 To 10,000, Deduct	-0.68
	For >10,000 To 25,000, Deduct	-1.14
	For >25,000 To 50,000, Deduct	-1.59
	For >50,000, Deduct	-1.82

#### 32 01 13 Flexible Paving Surface Treatment <sup>(32 01)</sup>

**32 Exterior Improvements****32 01 Operation and Maintenance of Exterior Improvements****32 01 13 Flexible Paving Surface Treatment**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST**32 01 13 61 Slurry Seal (Latex Modified)** (32 01 13)**32 01 13 61-0001 Asphalt Seal Coating, For Roads And Parking Lot** (32 01 13 61)

Note: Includes sweeping and cleaning of area.

32 01 13 61-0002	EA	Asphalt Seal Coating Minimum Charge .....	863.09
		Note: For projects where the total charges are less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	
32 01 13 61-0003	SY	Up To 500 SY, Type O Asphalt Seal Coating, No Aggregate, Per Coat .....	3.25
32 01 13 61-0004	SY	>500 To 1,000 SY, Type O Asphalt Seal Coating, No Aggregate, Per Coat.....	2.99
32 01 13 61-0005	SY	>1,000 SY, Type O Asphalt Seal Coating, No Aggregate, Per Coat.....	2.78
32 01 13 61-0006	SY	Up To 500 SY, Type I Slurry Seal Asphalt Coating, Per Coat.....	3.45
		Note: 1/8" thick.	
		For Tire Rubber Modified Slurry Seal (TRMSS), Add	0.31
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	0.37
		For Rubberized Polymer Modified Emulsion (RPME), Add	0.47
		For Each 0.5% Of Latex Addition, Add	0.29
32 01 13 61-0007	SY	>500 To 1,000 SY, Type I Slurry Seal Asphalt Coating, Per Coat .....	3.24
		Note: 1/8" thick.	
		For Tire Rubber Modified Slurry Seal (TRMSS), Add	0.30
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	0.36
		For Rubberized Polymer Modified Emulsion (RPME), Add	0.46
		For Each 0.5% Of Latex Addition, Add	0.29
32 01 13 61-0008	SY	>1,000 To 5,000 SY, Type I Slurry Seal Asphalt Coating, Per Coat .....	3.08
		Note: 1/8" thick.	
		For Tire Rubber Modified Slurry Seal (TRMSS), Add	0.29
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	0.35
		For Rubberized Polymer Modified Emulsion (RPME), Add	0.45
		For Each 0.5% Of Latex Addition, Add	0.29
32 01 13 61-0009	SY	>5,000 To 20,000 SY, Type I Slurry Seal Asphalt Coating, Per Coat .....	2.94
		Note: 1/8" thick.	
		For Tire Rubber Modified Slurry Seal (TRMSS), Add	0.28
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	0.34
		For Rubberized Polymer Modified Emulsion (RPME), Add	0.44
		For Each 0.5% Of Latex Addition, Add	0.29
32 01 13 61-0010	SY	>20,000 To 50,000 SY, Type I Slurry Seal Asphalt Coating, Per Coat .....	2.94
		Note: 1/8" thick.	
		For Tire Rubber Modified Slurry Seal (TRMSS), Add	0.28
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	0.34
		For Rubberized Polymer Modified Emulsion (RPME), Add	0.44
		For Each 0.5% Of Latex Addition, Add	0.29
32 01 13 61-0011	SY	>50,000 SY, Type I Slurry Seal Asphalt Coating, Per Coat .....	2.68
		Note: 1/8" thick.	
		For Tire Rubber Modified Slurry Seal (TRMSS), Add	0.27
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	0.33
		For Rubberized Polymer Modified Emulsion (RPME), Add	0.43
		For Each 0.5% Of Latex Addition, Add	0.29
32 01 13 61-0012	SY	Up To 500 SY, Type II Slurry Seal Asphalt Coating, Per Coat.....	4.65
		Note: 1/4" thick, 14 to 18 Lbs/SY.	
		For Tire Rubber Modified Slurry Seal (TRMSS), Add	0.33
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	0.39
		For Rubberized Polymer Modified Emulsion (RPME), Add	0.49
		For Each 0.5% Of Latex Addition, Add	0.43
32 01 13 61-0013	SY	>500 To 1,000 SY, Type II Slurry Seal Asphalt Coating, Per Coat.....	4.33
		Note: 1/4" thick, 14 to 18 Lbs/SY.	
		For Tire Rubber Modified Slurry Seal (TRMSS), Add	0.32
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	0.38
		For Rubberized Polymer Modified Emulsion (RPME), Add	0.48
		For Each 0.5% Of Latex Addition, Add	0.43
32 01 13 61-0014	SY	>1,000 To 5,000 SY, Type II Slurry Seal Asphalt Coating, Per Coat.....	4.09
		Note: 1/4" thick, 14 to 18 Lbs/SY.	
		For Tire Rubber Modified Slurry Seal (TRMSS), Add	0.31
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	0.37
		For Rubberized Polymer Modified Emulsion (RPME), Add	0.47
		For Each 0.5% Of Latex Addition, Add	0.43
32 01 13 61-0015	SY	>5,000 To 20,000 SY, Type II Slurry Seal Asphalt Coating, Per Coat .....	3.86
		Note: 1/4" thick, 14 to 18 Lbs/SY.	
		For Tire Rubber Modified Slurry Seal (TRMSS), Add	0.29
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	0.35
		For Rubberized Polymer Modified Emulsion (RPME), Add	0.45
		For Each 0.5% Of Latex Addition, Add	0.43
32 01 13 61-0016	SY	>20,000 To 50,000 SY, Type II Slurry Seal Asphalt Coating, Per Coat.....	3.65
		Note: 1/4" thick, 14 to 18 Lbs/SY.	
		For Tire Rubber Modified Slurry Seal (TRMSS), Add	0.28
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	0.34
		For Rubberized Polymer Modified Emulsion (RPME), Add	0.44
		For Each 0.5% Of Latex Addition, Add	0.43
32 01 13 61-0017	SY	>50,000 SY, Type II Slurry Seal Asphalt Coating, Per Coat .....	3.46
		Note: 1/4" thick, 14 to 18 Lbs/SY.	
		For Tire Rubber Modified Slurry Seal (TRMSS), Add	0.27
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	0.33
		For Rubberized Polymer Modified Emulsion (RPME), Add	0.43
		For Each 0.5% Of Latex Addition, Add	0.43



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 01 13 61-0018 SY Up To 500 SY, Type III Slurry Seal Asphalt Coating, Per Coat ..... Note: 3/8" thick, 25 to 30 Lbs/SY. <i>For Tire Rubber Modified Slurry Seal (TRMSS), Add</i> <i>For Rubberized Emulsion Aggregate Slurry (REAS), Add</i> <i>For Rubberized Polymer Modified Emulsion (RPME), Add</i> <i>For Each 0.5% Of Latex Addition, Add</i>	5.84  0.34 0.40 0.50 0.69	
32 01 13 61-0019 SY >500 To 1,000 SY, Type III Slurry Seal Asphalt Coating, Per Coat ..... Note: 3/8" thick, 25 to 30 Lbs/SY. <i>For Tire Rubber Modified Slurry Seal (TRMSS), Add</i> <i>For Rubberized Emulsion Aggregate Slurry (REAS), Add</i> <i>For Rubberized Polymer Modified Emulsion (RPME), Add</i> <i>For Each 0.5% Of Latex Addition, Add</i>	5.50  0.33 0.39 0.49 0.69	
32 01 13 61-0020 SY >1,000 To 5,000 SY, Type III Slurry Seal Asphalt Coating, Per Coat ..... Note: 3/8" thick, 25 to 30 Lbs/SY. <i>For Tire Rubber Modified Slurry Seal (TRMSS), Add</i> <i>For Rubberized Emulsion Aggregate Slurry (REAS), Add</i> <i>For Rubberized Polymer Modified Emulsion (RPME), Add</i> <i>For Each 0.5% Of Latex Addition, Add</i>	5.24  0.31 0.37 0.47 0.69	
32 01 13 61-0021 SY >5,000 To 20,000 SY, Type III Slurry Seal Asphalt Coating, Per Coat ..... Note: 3/8" thick, 25 to 30 Lbs/SY. <i>For Tire Rubber Modified Slurry Seal (TRMSS), Add</i> <i>For Rubberized Emulsion Aggregate Slurry (REAS), Add</i> <i>For Rubberized Polymer Modified Emulsion (RPME), Add</i> <i>For Each 0.5% Of Latex Addition, Add</i>	5.00  0.30 0.36 0.46 0.69	
32 01 13 61-0022 SY >20,000 To 50,000 SY, Type III Slurry Seal Asphalt Coating, Per Coat ..... Note: 3/8" thick, 25 to 30 Lbs/SY. <i>For Tire Rubber Modified Slurry Seal (TRMSS), Add</i> <i>For Rubberized Emulsion Aggregate Slurry (REAS), Add</i> <i>For Rubberized Polymer Modified Emulsion (RPME), Add</i> <i>For Each 0.5% Of Latex Addition, Add</i>	4.77  0.29 0.35 0.45 0.69	
32 01 13 61-0023 SY >50,000 SY, Type III Slurry Seal Asphalt Coating, Per Coat ..... Note: 3/8" thick, 25 to 30 Lbs/SY. <i>For Tire Rubber Modified Slurry Seal (TRMSS), Add</i> <i>For Rubberized Emulsion Aggregate Slurry (REAS), Add</i> <i>For Rubberized Polymer Modified Emulsion (RPME), Add</i> <i>For Each 0.5% Of Latex Addition, Add</i>	4.56  0.28 0.34 0.44 0.69	

**32 01 13 62 Asphalt Surface Treatment** (32 01 13)

32 01 13 62-0001 Polymer-Modified, Microsurfacing Emulsion (MSE Microsurfacing) <small>(32 01 13 62)</small> Note: Use a blend of emulsified quick-set polymer-modified emulsion asphalt and latex-based polymer. Includes sweeping and cleaning of area.		
32 01 13 62-0002 SY Up To 200 SY, 3/8" Polymer-Modified Microsurfacing Emulsion (MSE).....	10.45	
32 01 13 62-0003 SY Up To 500 SY, 3/8" Polymer-Modified Microsurfacing Emulsion (MSE).....	9.93	
32 01 13 62-0004 SY >500 To 1,000 SY, 3/8" Polymer-Modified Microsurfacing Emulsion (MSE).....	9.46	
32 01 13 62-0005 SY >1,000 To 5,000 SY, 3/8" Polymer-Modified Microsurfacing Emulsion (MSE).....	9.07	
32 01 13 62-0006 SY >5,000 To 10,000 SY, 3/8" Polymer-Modified Microsurfacing Emulsion (MSE).....	8.72	
32 01 13 62-0007 SY >10,000 To 20,000 SY, 3/8" Polymer-Modified Microsurfacing Emulsion (MSE).....	8.41	
32 01 13 62-0008 SY >20,000 To 50,000 SY, 3/8" Polymer-Modified Microsurfacing Emulsion (MSE).....	8.18	
32 01 13 62-0009 SY >50,000 SY, 3/8" Polymer-Modified Microsurfacing Emulsion (MSE).....	8.06	

**32 01 16 Flexible Paving Rehabilitation** (32 01)

**32 01 16 71 Cold Milling Asphalt Pavement** (32 01 16)

32 01 16 71-0001 Removal Of Asphalt Surface Course <small>(32 01 16 71)</small> Note: Includes direct loading into truck.		
32 01 16 71-0002 Production Cold Milling Of Roads And Parking Areas <small>(32 01 16 71-0001)</small> Note: For removal of entire lanes of roads or parking areas. Includes work around man holes, scuppers, drainage structures, catch basins, etc. Includes sweeping and loading into truck. See CSI section 01 74 19 00-0055 for hauling.		
32 01 16 71-0003 SY Up To 3" Depth, Production Cold Milling Of Asphalt ..... <i>For Up To 2,500, Add</i> <i>For &gt;2,500 To 5,000, Add</i> <i>For &gt;10,000 To 25,000, Deduct</i> <i>For &gt;25,000, Deduct</i>	4.68  3.51 1.17 -0.47 -0.70	
32 01 16 71-0004 SY >3" To 6" Depth, Production Cold Milling Of Asphalt ..... <i>For Up To 2,500, Add</i> <i>For &gt;2,500 To 5,000, Add</i> <i>For &gt;10,000 To 25,000, Deduct</i> <i>For &gt;25,000, Deduct</i>	6.23  4.67 1.56 -0.62 -0.93	
32 01 16 71-0005 SY >6" To 12" Depth, Production Cold Milling Of Asphalt ..... <i>For Up To 2,500, Add</i> <i>For &gt;2,500 To 5,000, Add</i> <i>For &gt;10,000 To 25,000, Deduct</i> <i>For &gt;25,000, Deduct</i>	8.29  6.22 2.07 -0.83 -1.24	

32 01 16 71-0006 Limited Production Cold Milling <small>(32 01 16 71-0001)</small> Note: For cross sections of roadways, trenching, partial shoulders, and other small or narrow areas. Includes work around man holes, scuppers, drainage structures, catch basins, etc. Includes sweeping and loading into truck. See CSI section 01 74 19 00-0055 for hauling.		
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**32 Exterior Improvements**  
**32 01 Operation and Maintenance of Exterior Improvements**  
**32 01 16 Flexible Paving Rehabilitation**



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 01 16 71-0007 SY Up To 3" Depth, Limited Cold Milling Of Asphalt.....	29.53	
For >100 To 1,000, Deduct	-14.77	
For >1,000, Deduct	-22.15	
32 01 16 71-0008 SY >3" To 6" Depth, Limited Cold Milling Of Asphalt.....	39.11	
For >100 To 1,000, Deduct	-19.56	
For >1,000, Deduct	-29.33	
32 01 16 71-0009 SY >6" To 12" Depth, Limited Cold Milling Of Asphalt.....	52.08	
For >100 To 1,000, Deduct	-26.04	
For >1,000, Deduct	-39.06	
<b>32 01 16 71-0010 Grind, Leave In-Place Asphalt Grindings (32 01 16 71)</b>		
Note: For use as subbase material, includes spreading and rolling.		
32 01 16 71-0011 SY Grind, Leave In-Place As Subbase Course, 6-9" Depth .....	7.61	
<b>32 01 16 73 In Place Cold Reused Asphalt Paving (32 01 16)</b>		
<b>32 01 16 73-0001 Cold-In-Place-Partial Depth Recycling Process With Foam Asphalt (32 01 16 73)</b>		
Note: Includes milling between 3"-6" of existing AC surface, computerized metered injection of liquid asphalt, cement, and water mix together as binder with milled material, spread and place with paver, follow by vibratory steel drum roller, Cat CB534D or equivalent, then follow by rubber tired roller, Hypac C560A or equivalent. The Contractor will provide all the necessary engineering, preconstruction soil analysis, stamped mix design, in-place compaction testing of recycled material and any other QC/QA during construction. The recycled material (from milled surface mixed with liquid asphalt, cement, and water) shall meet Class II AB (3/4" max.) gradation and shall compact at 96% relative compaction or higher. The Contractor's process shall be capable of producing between 450-500 tons per hour of recycled, in-place material. The Contractor shall warranty their work for a period of two years. Excludes traffic control, grading, utilities adjustment and wearing course of either Chip Seal or HMA overlay of the finished surface.		
32 01 16 73-0002 SF Up To 30,000 SF Cold In Place Recycling Process With Foam Asphalt.....	4.31	
32 01 16 73-0003 SF >30,000 To 42,000 SF Cold In Place Recycling Process With Foam Asphalt .....	4.01	
32 01 16 73-0004 SF >42,000 To 71,000 SF Cold In Place Recycling Process With Foam Asphalt .....	3.32	
32 01 16 73-0005 SF >71,000 To 130,000 SF Cold In Place Recycling Process With Foam Asphalt .....	2.79	
32 01 16 73-0006 SF >130,000 To 250,000 SF Cold In Place Recycling Process With Foam Asphalt .....	2.47	
32 01 16 73-0007 SF >250,000 To 500,000 SF Cold In Place Recycling Process With Foam Asphalt .....	2.25	
32 01 16 73-0008 SF >500,000 SF Cold In Place Recycling Process With Foam Asphalt .....	2.10	
<b>32 01 16 74 In Place Hot Reused Asphalt Paving (32 01 16)</b>		
<b>32 01 16 74-0001 Reclamation, Pulverize And Blending With Existing (32 01 16 74)</b>		
Note: Includes direct loading into truck.		
32 01 16 74-0002 SY Up To 2" Thick Pavement, Up To 1,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	15.91	
32 01 16 74-0003 SY Up To 2" Thick Pavement, >1,000 To 5,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	7.95	
32 01 16 74-0004 SY Up To 2" Thick Pavement, >5,000 To 15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	3.98	
32 01 16 74-0005 SY Up To 2" Thick Pavement, >15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	3.77	
32 01 16 74-0006 SY >2" To 3" Thick Pavement, >5,000 To 15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	4.33	
32 01 16 74-0007 SY >2" To 3" Thick Pavement, Up To 1,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	17.35	
32 01 16 74-0008 SY >2" To 3" Thick Pavement, >1,000 To 5,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	8.68	
32 01 16 74-0009 SY >2" To 3" Thick Pavement, >15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	4.09	
32 01 16 74-0010 SY >3" To 4" Thick Pavement, Up To 1,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	19.09	
32 01 16 74-0011 SY >3" To 4" Thick Pavement, >1,000 To 5,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	9.55	
32 01 16 74-0012 SY >3" To 4" Thick Pavement, >5,000 To 15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	4.77	
32 01 16 74-0013 SY >3" To 4" Thick Pavement, >15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	4.40	
32 01 16 74-0014 SY >4" To 8" Thick Pavement, Up To 1,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	20.83	
32 01 16 74-0015 SY >4" To 8" Thick Pavement, >1,000 To 5,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	10.41	
32 01 16 74-0016 SY >4" To 8" Thick Pavement, >5,000 To 15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	5.20	
32 01 16 74-0017 SY >4" To 8" Thick Pavement, >15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	4.85	
32 01 16 74-0018 EA Mobilization And Demobilization For Reclamation, Pulverizing And Blending Crew .....	1,789.61	
<b>32 01 16 74-0019 Rejuvenate, Respread Asphalt Pavement (32 01 16 74)</b>		
Note: Includes direct loading into truck.		
32 01 16 74-0020 SY Removal, Rejuvenation, And Respreading Of Asphalt Grindings To 1/2" Deep .....	11.05	
32 01 16 74-0021 SY Removal, Rejuvenation, And Respreading Of Asphalt Grindings To 1/2" Deep, Previously Sealed Cold Tar .....	13.20	
32 01 16 74-0022 TON Removal, Rejuvenation, And Respreading Of Asphalt Grindings .....	200.91	



MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**32 01 17 Flexible Paving Repair** (32 01)

See CSI section 32 12 16 00-0000 for large area resurfacing.

**32 01 17 61 Sealing Cracks in Asphalt Paving** (32 01 17)

Note: Includes removing loose materials and cleaning.

**32 01 17 61-0001 Hot-Applied, Pourable, Self-Adhesive Asphalt Binder Compounded With Standard Weight Aggregate Longitudinal Crack And Sealing Repair** (32 01 17 61)

Note: Includes removing loose materials and cleaning.

32 01 17 61-0002	LF Up To 200 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler .....	1.85	
	Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack.		
	For 3/4" x 1/2" Fill, Add	0.54	
	For 1" x 1/2" Fill, Add	1.02	
	For Backer Rod, Add	1.08	
32 01 17 61-0003	LF >200 To 500 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler .....	1.51	
	Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack.		
	For 3/4" x 1/2" Fill, Add	0.45	
	For 1" x 1/2" Fill, Add	0.85	
	For Backer Rod, Add	0.97	
32 01 17 61-0004	LF >500 To 2,000 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler .....	1.20	
	Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack.		
	For 3/4" x 1/2" Fill, Add	0.36	
	For 1" x 1/2" Fill, Add	0.69	
	For Backer Rod, Add	0.86	
32 01 17 61-0005	LF >2,000 To 5,000 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler .....	1.04	
	Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack.		
	For 3/4" x 1/2" Fill, Add	0.32	
	For 1" x 1/2" Fill, Add	0.61	
	For Backer Rod, Add	0.80	
32 01 17 61-0006	LF >5,000 To 10,000 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler .....	0.93	
	Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack.		
	For 3/4" x 1/2" Fill, Add	0.28	
	For 1" x 1/2" Fill, Add	0.54	
	For Backer Rod, Add	0.75	
32 01 17 61-0007	LF >10,000 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler .....	0.85	
	Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack.		
	For 3/4" x 1/2" Fill, Add	0.26	
	For 1" x 1/2" Fill, Add	0.49	
	For Backer Rod, Add	0.71	
32 01 17 61-0008	LF Up To 200 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler .....	3.05	
	For 3/8" x 1/4" Fill, Add	0.74	
	For 1/2" x 1/4" Fill, Add	1.36	
	For 1/2" x 1/2" Fill, Add	3.30	
32 01 17 61-0009	LF >200 To 500 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler .....	2.46	
	For 3/8" x 1/4" Fill, Add	0.61	
	For 1/2" x 1/4" Fill, Add	1.13	
	For 1/2" x 1/2" Fill, Add	2.75	
32 01 17 61-0010	LF >500 To 2,000 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler .....	1.91	
	For 3/8" x 1/4" Fill, Add	0.48	
	For 1/2" x 1/4" Fill, Add	0.90	
	For 1/2" x 1/2" Fill, Add	2.22	
32 01 17 61-0011	LF >2,000 To 5,000 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler .....	1.68	
	For 3/8" x 1/4" Fill, Add	0.43	
	For 1/2" x 1/4" Fill, Add	0.80	
	For 1/2" x 1/2" Fill, Add	1.97	
32 01 17 61-0012	LF >5,000 To 10,000 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler .....	1.52	
	For 3/8" x 1/4" Fill, Add	0.38	
	For 1/2" x 1/4" Fill, Add	0.71	
	For 1/2" x 1/2" Fill, Add	1.75	
32 01 17 61-0013	LF >10,000 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler .....	1.40	
	For 3/8" x 1/4" Fill, Add	0.35	
	For 1/2" x 1/4" Fill, Add	0.65	
	For 1/2" x 1/2" Fill, Add	1.60	
32 01 17 61-0014	LF For Routing And Cleaning Of Crack, Add Per 1/2" Depth .....	0.52	
32 01 17 61-0015	LNMI Crack Seal/Filler Per Lane (10' to 12' Wide) Per Mile .....	3,974.11	
	Note: This work shall consist of removal of loose matter from cracks with brooms and compressed air and sealing the crack with rubber or other elastomeric modified asphalt, ASTM D 1190, D 3405 or AASHTO M-173. The sealant shall be applied from the bottom of the crack up and the sealant material shall be sprinkled with dry sand to prevent pick-up by traffic.		

**32 01 17 63 Flexible Pavement Repair** (32 01 17)

**32 01 17 63-0001 Temporary Pot Hole Repair** (32 01 17 63)

Note: Includes removal of loose material and moisture, bonding agent, compaction, safety cones and hauling up to 15 miles. Excludes signage, barricades, flagmen, field survey or marking. See CSI section 01 74 19 00-0055 for hauling greater than 15 miles.

32 01 17 63-0002	EA Temporary Pot Hole Repairs With Cold Mix Modified, Up To 3 Tons .....	1,668.43	
32 01 17 63-0003	TON Temporary Pot Hole Repairs With Cold Mix Modified .....	504.70	
	Note: Use for each ton over 3 tons.		
32 01 17 63-0004	EA Temporary Pot Hole Repairs With Cold Mix, Up To 3 Tons .....	1,593.77	
32 01 17 63-0005	TON Temporary Pot Hole Repairs With Cold Mix .....	479.82	
	Note: Use for each ton over 3 tons.		
32 01 17 63-0006	EA Temporary Pot Hole Repairs With Hot Mix Modified, Up To 3 Tons .....	1,556.45	

**32 Exterior Improvements**  
**32 01 Operation and Maintenance of Exterior Improvements**  
**32 01 17 Flexible Paving Repair**



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 01 17 63-0007	TON	Temporary Pot Hole Repairs With Hot Mix Modified..... Note: Use for each ton over 3 tons.	467.37	
32 01 17 63-0008	EA	Temporary Pot Hole Repairs With Hot Mix, Up To 3 Tons.....	1,519.12	
32 01 17 63-0009	TON	Temporary Pot Hole Repairs With Hot Mix ..... Note: Use for each ton over 3 tons.	454.93	
<b>32 01 17 63-0010</b>		<b>Permanent Pot Hole Repair</b> <small>(32 01 17 63)</small> Note: Includes removal of loose material and moisture, saw cutting, chipping, squaring off, bonding agent, compaction and hauling up to 15 miles Tasks do not include signage, barricades, flagmen, field survey or marking. See CSI section 01 74 19 00-0055 for hauling greater than 15 miles.		
32 01 17 63-0011	EA	Permanent Pot Hole Repairs With Cold Mix, Up To 3 Tons.....	1,812.61	
32 01 17 63-0012	TON	Permanent Pot Hole Repairs With Cold Mix ..... Note: Use for each ton over 3 tons.	589.13	
32 01 17 63-0013	EA	Permanent Pot Hole Repairs With Hot Mix Modified, Up To 3 Tons.....	1,775.29	
32 01 17 63-0014	TON	Permanent Pot Hole Repairs With Hot Mix Modified ..... Note: Use for each ton over 3 tons.	576.68	
32 01 17 63-0015	EA	Permanent Pot Hole Repairs With Hot Mix, Up To 3 Tons.....	1,737.96	
32 01 17 63-0016	TON	Permanent Pot Hole Repairs With Hot Mix ..... Note: Use for each ton over 3 tons.	564.24	
<b>32 01 17 63-0017</b>		<b>Asphalt Placement For Small Repairs</b> <small>(32 01 17 63)</small> Note: This section is used for placing up to 100 tons of asphalt after a small area of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc. Includes mobilization of paving equipment such as a roller, placing the asphalt, compaction and hauling up to 15 miles. Excludes saw cutting, demolition of existing pavement, and new subbase material. Use approximately 0.055 tons per square yard per inch of depth. See CSI section 02 41 19 13-0057 for saw cutting, 32 12 16 13-0000 for areas requiring more than 100 tons.		
32 01 17 63-0018	EA	Asphalt Placement For Small Repair Areas, Cold Mix Modified, Up To 3 Tons..... Note: For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.	2,376.04	
32 01 17 63-0019	TON	Asphalt Placement For Small Repair Areas, Cold Mix Modified ..... Note: For each ton over 3 to 100 tons. For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.	327.14	
32 01 17 63-0020	EA	Asphalt Placement For Small Repair Areas, Cold Mix, Up To 3 Tons ..... Note: For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.	2,301.38	
32 01 17 63-0021	TON	Asphalt Placement For Small Repair Areas, Cold Mix ..... Note: For each ton over 3 to 100 tons. For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.	302.26	
32 01 17 63-0022	EA	Asphalt Placement For Small Repair Areas, Hot Mix Modified, Up To 3 Tons..... Note: For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.	2,264.06	
32 01 17 63-0023	TON	Asphalt Placement For Small Repair Areas, Hot Mix Modified ..... Note: For each ton over 3 to 100 tons. For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.	289.81	
32 01 17 63-0024	EA	Asphalt Placement For Small Repair Areas, Hot Mix, Up To 3 Tons..... Note: For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.	2,226.73	
32 01 17 63-0025	TON	Asphalt Placement For Small Repair Areas, Hot Mix ..... Note: For each ton over 3 to 100 tons. For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.	277.37	
<b>32 01 17 63-0026</b>		<b>Grind Asphalt</b> <small>(32 01 17 63)</small>		
32 01 17 63-0027	SY	Grinding Asphalt To Level Bump Or Raised Area.....	20.76	
<b>32 01 26 Rigid Paving Rehabilitation</b> <small>(32 01)</small>				
<b>32 01 26 71 Grooving of Concrete Paving</b> <small>(32 01 26)</small>				
<b>32 01 26 71-0001 Roadway Grooving</b> <small>(32 01 26 71)</small>				
32 01 26 71-0002	EA	First 500 SY Of Pavement Grooving, Concrete, Longitudinal.....	4,080.30	
32 01 26 71-0003	SY	Each SY Over First 500 SY Of Pavement Grooving, Concrete, Longitudinal.....	3.77	
32 01 26 71-0004	EA	First 500 SY Of Pavement Grooving, Concrete, Traverse.....	4,545.61	
32 01 26 71-0005	SY	Each SY Over First 500 SY Of Pavement Grooving, Concrete, Traverse.....	4.92	
<b>32 01 26 71-0006 Rumble Strips</b> <small>(32 01 26 71)</small>				
32 01 26 71-0007	EA	First 5280 LF Of MIARDS, Rumble Strips, Asphalt.....	4,345.24	
32 01 26 71-0008	LF	Each LF Over First 5280 LF Of MIARDS, Rumble Strips, Asphalt.....	0.79	
32 01 26 71-0009	EA	First 2000 LF Of MIARDS, Rumble Strips, Concrete.....	4,842.37	
32 01 26 71-0010	LF	Each LF Over First 2000 LF Of MIARDS, Rumble Strips, Concrete.....	0.88	
<b>32 01 26 73 Milling Of Concrete Paving</b> <small>(32 01 26)</small>				
<b>32 01 26 73-0001 Removal Of Concrete</b> <small>(32 01 26 73)</small>		Note: Includes direct loading into truck.		





MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 01 26 73-0002	<b>Production Milling Of Roads And Parking Areas</b> <small>(32 01 26 73-0001)</small> Note: For removal of entire lanes of roads or parking areas. Includes work around man holes, scuppers, drainage structures, catch basins, etc. Includes sweeping and loading into truck. See CSI section 01 74 19 00-0055 for hauling.		
32 01 26 73-0003	SY Production Milling Of Concrete Per Inch.....		7.07
32 01 26 73-0004	<b>Limited Production Milling</b> <small>(32 01 26 73-0001)</small> Note: For cross sections of roadways, trenching, partial shoulders, and other small or narrow areas. Includes work around man holes, scuppers, drainage structures, catch basins, etc. Includes sweeping and loading into truck. See CSI section 01 74 19 00-0055 for hauling.		
32 01 26 73-0005	SY Limited Production Milling Of Concrete Per Inch.....		44.38

### 32 01 29 Rigid Paving Repair (32 01)

#### 32 01 29 61 Partial Depth Patching of Rigid Paving (32 01 29)

32 01 29 61-0001	<b>Hot Applied Flexible Concrete Repair</b> <small>(32 01 29 61)</small> Note: Excludes saw cutting (where required), flagmen.		
32 01 29 61-0002	EA Hot Applied Flexible Concrete Repair Minimum Charge.....		1,197.37
32 01 29 61-0003	SF Up To 2" Depth, Hot Applied Flexible Concrete Repair..... <i>For &gt;25 SF Quantity, Deduct</i>		68.39 -6.84
32 01 29 61-0004	SF >2" To 4" Depth, Hot Applied Flexible Concrete Repair..... <i>For &gt;25 SF Quantity, Deduct</i>		128.81 -12.88
32 01 29 61-0005	SF >4" To 6" Depth, Hot Applied Flexible Concrete Repair..... <i>For &gt;25 SF Quantity, Deduct</i>		188.70 -18.87
32 01 29 61-0006	SF >6" To 8" Depth, Hot Applied Flexible Concrete Repair..... <i>For &gt;25 SF Quantity, Deduct</i>		248.58 -24.86
32 01 29 61-0007	SF >8" To 10" Depth, Hot Applied Flexible Concrete Repair..... <i>For &gt;25 SF Quantity, Deduct</i>		308.48 -30.85
32 01 29 61-0008	CF >10" Depth, Hot Applied Flexible Concrete Repair.....		367.83

#### 32 01 29 61-0009 Cold Applied Flexible Concrete Repair (32 01 29 61)

32 01 29 61-0010	SF 1/8" To 1/4" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with water).....		6.57
32 01 29 61-0011	SF 1/4" To 1/2" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with water).....		9.52
32 01 29 61-0012	SF 1/2" To 3/4" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with water).....		12.58
32 01 29 61-0013	SF 3/4" To 1" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with water).....		15.74
32 01 29 61-0014	SF 1" To 1-1/2" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with water).....		22.49
32 01 29 61-0015	SF 1/8" To 1/4" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with SikaLatex R).....		6.65
32 01 29 61-0016	SF 1/4" To 1/2" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with SikaLatex R).....		9.61
32 01 29 61-0017	SF 1/2" To 3/4" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with SikaLatex R).....		12.66
32 01 29 61-0018	SF 3/4" To 1" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with SikaLatex R).....		15.83
32 01 29 61-0019	SF 1" To 1-1/2" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with SikaLatex R).....		22.58
32 01 29 61-0020	SF 1/8" To 1/4" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with diluted SikaLatex R).....		6.61
32 01 29 61-0021	SF 1/4" To 1/2" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with diluted SikaLatex R).....		9.57
32 01 29 61-0022	SF 1/2" To 3/4" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with diluted SikaLatex R).....		12.62
32 01 29 61-0023	SF 3/4" To 1" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with diluted SikaLatex R).....		15.79
32 01 29 61-0024	SF 1" To 1-1/2" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with diluted SikaLatex R).....		22.54

### 32 01 90 Operation and Maintenance of Planting (32 01)

Note: These tasks are to be used as requested by the owner to maintain existing conditions.

#### 32 01 90 13 Fertilizing (32 01 90)

32 01 90 13-0001	MSF Fertilizer - 2 LB Of Nitrogen/MSF (Granular).....		14.40
32 01 90 13-0002	MSF Fertilizer - 2 LB Of Nitrogen/MSF (Liquid).....		10.41
32 01 90 13-0003	MSF Fertilizer - 0.5 LB Of Nitrogen/MSF (Granular).....		11.41
32 01 90 13-0004	MSF Fertilizer - 0.5 LB Of Nitrogen/MSF (Liquid).....		9.33

#### 32 01 90 19 Mowing (32 01 90)

32 01 90 19-0001	ACR Vegetation Cutting By Bush Hog.....		207.20
	Note: Includes normal debris removal, cutting, and trimming.		
	<i>For &lt;1 Acre, Add</i>		51.80
32 01 90 19-0002	MSF Mowing Vegetation With Riding Mower, >20,000 To 45,000 SF.....		7.11
32 01 90 19-0003	MSF Mowing Vegetation With Riding Mower, >45,000 SF.....		5.50
32 01 90 19-0004	MSF Clear Vegetation With Weed Trimmer, Up To 1,000 SF.....		23.86
	<i>For Work On Slopes &gt;2:1, Add</i>		5.97
	<i>For Clearing Light Brush, Add</i>		3.58
32 01 90 19-0005	MSF Clear Vegetation With Weed Trimmer, >1,000 SF.....		20.04
	<i>For Work On Slopes &gt;2:1, Add</i>		5.01
	<i>For Clearing Light Brush, Add</i>		3.01
32 01 90 19-0006	MSF Blow Or Vacuum Dispersed Non-Native Seed After Bulk Of Biomass Removed.....		20.94

#### 32 01 90 23 Pruning (32 01 90)

**32 Exterior Improvements****32 01 Operation and Maintenance of Exterior Improvements****32 01 90 Operation and Maintenance of Planting**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST**32 01 90 23-0001****Tree Pruning** (32 01 90 23)

Note: Types of pruning for mature trees (these standards are established by the ISA - International Society of Arboriculture). Includes loading onto truck or dumpster.

**32 01 90 23-0002****Tree Pruning; Crown Cleaning** (32 01 90 23-0001)

Note: Crown cleaning or cleaning out is the removal of dead, dying, diseased, crowded, weakly attached, and low-vigor branches and waterspouts from a tree crown.

32 01 90 23-0003	EA	1-1/2" Caliper, Tree Pruning (Crown Cleaning), By Hand	29.73
32 01 90 23-0004	EA	2" Caliper, Tree Pruning (Crown Cleaning), By Hand	33.97
32 01 90 23-0005	EA	2-1/2" Caliper, Tree Pruning (Crown Cleaning), By Hand	38.22
32 01 90 23-0006	EA	3" Caliper, Tree Pruning (Crown Cleaning), By Hand	42.47
32 01 90 23-0007	EA	4" Caliper, Tree Pruning (Crown Cleaning), By Hand	64.55
32 01 90 23-0008	EA	4" Caliper, Tree Pruning (Crown Cleaning), Aerial Lift Equipment	108.47
32 01 90 23-0009	EA	6" Caliper, Tree Pruning (Crown Cleaning), By Hand	112.94
32 01 90 23-0010	EA	6" Caliper, Tree Pruning (Crown Cleaning), Aerial Lift Equipment	206.59
32 01 90 23-0011	EA	9" Caliper, Tree Pruning (Crown Cleaning), By Hand	180.88
32 01 90 23-0012	EA	9" Caliper, Tree Pruning (Crown Cleaning), Aerial Lift Equipment	330.47
32 01 90 23-0013	EA	12" Caliper, Tree Pruning (Crown Cleaning), By Hand	209.00
32 01 90 23-0014	EA	12" Caliper, Tree Pruning (Crown Cleaning), Aerial Lift Equipment	382.17
32 01 90 23-0015	EA	18" Caliper, Tree Pruning (Crown Cleaning), By Hand	242.95
32 01 90 23-0016	EA	18" Caliper, Tree Pruning (Crown Cleaning), Aerial Lift Equipment	444.14
32 01 90 23-0017	EA	24" Caliper, Tree Pruning (Crown Cleaning), By Hand	295.74
32 01 90 23-0018	EA	24" Caliper, Tree Pruning (Crown Cleaning), Aerial Lift Equipment	537.20
32 01 90 23-0019	EA	30" Caliper, Tree Pruning (Crown Cleaning), By Hand	367.38
32 01 90 23-0020	EA	30" Caliper, Tree Pruning (Crown Cleaning), Aerial Lift Equipment	677.02
32 01 90 23-0021	EA	36" Caliper, Tree Pruning (Crown Cleaning), By Hand	503.18
32 01 90 23-0022	EA	36" Caliper, Tree Pruning (Crown Cleaning), Aerial Lift Equipment	917.59
32 01 90 23-0023	EA	48" Caliper, Tree Pruning (Crown Cleaning), By Hand	798.29
32 01 90 23-0024	EA	48" Caliper, Tree Pruning (Crown Cleaning), Aerial Lift Equipment	1,475.64

**32 01 90 23-0025****Tree Pruning; Crown Thinning** (32 01 90 23-0001)

Note: Crown thinning includes crown cleaning and the selective removal of branches to increase light penetration and air movement into the crown. Increased light and air stimulates and maintains interior foliage, which in turn improves branch taper and strength. Thinning reduces the wind-sail effect of the crown and the weight of the heavy limbs. Thinning the crown can emphasize the structural beauty of the trunk and branches as well as improve the growth of plants beneath the tree by increasing light penetration. When thinning the crown of mature trees, seldom should more than one-third of the live foliage be removed. At least one-half of the foliage should be on branches that arise in the lower two-thirds of the trees. Likewise, when thinning laterals from a limb, an effort should be made to retain inner lateral branches and leave the same distribution of foliage along the branch. Trees and branches so pruned will have stress more evenly distributed throughout the tree or along a branch.

32 01 90 23-0026	EA	1-1/2" Caliper, Tree Pruning (Crown Thinning), By Hand	36.44
32 01 90 23-0027	EA	2" Caliper, Tree Pruning (Crown Thinning), By Hand	41.62
32 01 90 23-0028	EA	2-1/2" Caliper, Tree Pruning (Crown Thinning), By Hand	46.80
32 01 90 23-0029	EA	3" Caliper, Tree Pruning (Crown Thinning), By Hand	52.06
32 01 90 23-0030	EA	4" Caliper, Tree Pruning (Crown Thinning), By Hand	79.08
32 01 90 23-0031	EA	4" Caliper, Tree Pruning (Crown Thinning), Aerial Lift Equipment	132.84
32 01 90 23-0032	EA	6" Caliper, Tree Pruning (Crown Thinning), By Hand	138.36
32 01 90 23-0033	EA	6" Caliper, Tree Pruning (Crown Thinning), Aerial Lift Equipment	253.07
32 01 90 23-0034	EA	9" Caliper, Tree Pruning (Crown Thinning), By Hand	221.60
32 01 90 23-0035	EA	9" Caliper, Tree Pruning (Crown Thinning), Aerial Lift Equipment	404.81
32 01 90 23-0036	EA	12" Caliper, Tree Pruning (Crown Thinning), By Hand	256.00
32 01 90 23-0037	EA	12" Caliper, Tree Pruning (Crown Thinning), Aerial Lift Equipment	468.13
32 01 90 23-0038	EA	18" Caliper, Tree Pruning (Crown Thinning), By Hand	297.62
32 01 90 23-0039	EA	18" Caliper, Tree Pruning (Crown Thinning), Aerial Lift Equipment	544.05
32 01 90 23-0040	EA	24" Caliper, Tree Pruning (Crown Thinning), By Hand	362.25
32 01 90 23-0041	EA	24" Caliper, Tree Pruning (Crown Thinning), Aerial Lift Equipment	658.09
32 01 90 23-0042	EA	30" Caliper, Tree Pruning (Crown Thinning), By Hand	450.00
32 01 90 23-0043	EA	30" Caliper, Tree Pruning (Crown Thinning), Aerial Lift Equipment	829.35
32 01 90 23-0044	EA	36" Caliper, Tree Pruning (Crown Thinning), By Hand	616.39
32 01 90 23-0045	EA	36" Caliper, Tree Pruning (Crown Thinning), Aerial Lift Equipment	1,124.06
32 01 90 23-0046	EA	48" Caliper, Tree Pruning (Crown Thinning), By Hand	977.88
32 01 90 23-0047	EA	48" Caliper, Tree Pruning (Crown Thinning), Aerial Lift Equipment	1,807.66

**32 01 90 23-0048****Tree Pruning; Crown Raising** (32 01 90 23-0001)

Note: Crown raising removes the lower branches of a tree in order to provide clearance for buildings, vehicles, pedestrians, and vistas. It is important that a tree have at least one-half of its foliage on branches that originate in the lower two-thirds of its trunk to ensure a well-formed, tapered structure and to uniformly distribute stress within a tree. When pruning for view, it is preferable to develop "windows" through the foliage of the tree, rather than to severely raise or reduce the crown.

32 01 90 23-0049	EA	1-1/2" Caliper, Tree Pruning (Crown Raising), By Hand	40.18
32 01 90 23-0050	EA	2" Caliper, Tree Pruning (Crown Raising), By Hand	45.87
32 01 90 23-0051	EA	2-1/2" Caliper, Tree Pruning (Crown Raising), By Hand	51.64
32 01 90 23-0052	EA	3" Caliper, Tree Pruning (Crown Raising), By Hand	57.33
32 01 90 23-0053	EA	4" Caliper, Tree Pruning (Crown Raising), By Hand	87.14
32 01 90 23-0054	EA	4" Caliper, Tree Pruning (Crown Raising), Aerial Lift Equipment	146.47
32 01 90 23-0055	EA	6" Caliper, Tree Pruning (Crown Raising), By Hand	152.46
32 01 90 23-0056	EA	6" Caliper, Tree Pruning (Crown Raising), Aerial Lift Equipment	278.89
32 01 90 23-0057	EA	9" Caliper, Tree Pruning (Crown Raising), By Hand	244.20
32 01 90 23-0058	EA	9" Caliper, Tree Pruning (Crown Raising), Aerial Lift Equipment	446.13
32 01 90 23-0059	EA	12" Caliper, Tree Pruning (Crown Raising), By Hand	282.16



MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 01 90 23-0060	EA 12" Caliper, Tree Pruning (Crown Raising), Aerial Lift Equipment.....	515.96	
32 01 90 23-0061	EA 18" Caliper, Tree Pruning (Crown Raising), By Hand.....	328.03	
32 01 90 23-0062	EA 18" Caliper, Tree Pruning (Crown Raising), Aerial Lift Equipment.....	599.63	
32 01 90 23-0063	EA 24" Caliper, Tree Pruning (Crown Raising), By Hand.....	399.29	
32 01 90 23-0064	EA 24" Caliper, Tree Pruning (Crown Raising), Aerial Lift Equipment.....	725.23	
32 01 90 23-0065	EA 30" Caliper, Tree Pruning (Crown Raising), By Hand.....	495.95	
32 01 90 23-0066	EA 30" Caliper, Tree Pruning (Crown Raising), Aerial Lift Equipment.....	913.95	
32 01 90 23-0067	EA 36" Caliper, Tree Pruning (Crown Raising), By Hand.....	679.33	
32 01 90 23-0068	EA 36" Caliper, Tree Pruning (Crown Raising), Aerial Lift Equipment.....	1,238.70	
32 01 90 23-0069	EA 48" Caliper, Tree Pruning (Crown Raising), By Hand.....	1,077.69	
32 01 90 23-0070	EA 48" Caliper, Tree Pruning (Crown Raising), Aerial Lift Equipment.....	1,992.14	
<b>32 01 90 23-0071</b>	<b>Tree Pruning; Crown Reduction (32 01 90 23-0001)</b>		
	Note: Crown reduction is used to reduce the height and/or spread of a tree. Thinning cuts are most effective in maintaining the structural integrity and natural form of a tree and in delaying the time when it will need to be pruned again. The lateral to which a branch or trunk is cut should be at least one-half the diameter of the cut being made.		
32 01 90 23-0072	EA 1-1/2" Caliper, Tree Pruning (Crown Reduction), By Hand.....	43.15	
32 01 90 23-0073	EA 2" Caliper, Tree Pruning (Crown Reduction), By Hand.....	49.26	
32 01 90 23-0074	EA 2-1/2" Caliper, Tree Pruning (Crown Reduction), By Hand.....	55.47	
32 01 90 23-0075	EA 3" Caliper, Tree Pruning (Crown Reduction), By Hand.....	61.58	
32 01 90 23-0076	EA 4" Caliper, Tree Pruning (Crown Reduction), By Hand.....	93.60	
32 01 90 23-0077	EA 4" Caliper, Tree Pruning (Crown Reduction), Aerial Lift Equipment.....	157.32	
32 01 90 23-0078	EA 6" Caliper, Tree Pruning (Crown Reduction), By Hand.....	163.76	
32 01 90 23-0079	EA 6" Caliper, Tree Pruning (Crown Reduction), Aerial Lift Equipment.....	299.55	
32 01 90 23-0080	EA 9" Caliper, Tree Pruning (Crown Reduction), By Hand.....	262.29	
32 01 90 23-0081	EA 9" Caliper, Tree Pruning (Crown Reduction), Aerial Lift Equipment.....	479.18	
32 01 90 23-0082	EA 12" Caliper, Tree Pruning (Crown Reduction), By Hand.....	303.06	
32 01 90 23-0083	EA 12" Caliper, Tree Pruning (Crown Reduction), Aerial Lift Equipment.....	554.17	
32 01 90 23-0084	EA 18" Caliper, Tree Pruning (Crown Reduction), By Hand.....	352.32	
32 01 90 23-0085	EA 18" Caliper, Tree Pruning (Crown Reduction), Aerial Lift Equipment.....	644.04	
32 01 90 23-0086	EA 24" Caliper, Tree Pruning (Crown Reduction), By Hand.....	428.85	
32 01 90 23-0087	EA 24" Caliper, Tree Pruning (Crown Reduction), Aerial Lift Equipment.....	778.94	
32 01 90 23-0088	EA 30" Caliper, Tree Pruning (Crown Reduction), By Hand.....	532.73	
32 01 90 23-0089	EA 30" Caliper, Tree Pruning (Crown Reduction), Aerial Lift Equipment.....	981.71	
32 01 90 23-0090	EA 36" Caliper, Tree Pruning (Crown Reduction), By Hand.....	729.61	
32 01 90 23-0091	EA 36" Caliper, Tree Pruning (Crown Reduction), Aerial Lift Equipment.....	1,330.54	
32 01 90 23-0092	EA 48" Caliper, Tree Pruning (Crown Reduction), By Hand.....	1,157.52	
32 01 90 23-0093	EA 48" Caliper, Tree Pruning (Crown Reduction), Aerial Lift Equipment.....	2,139.64	
<b>32 01 90 23-0094</b>	<b>Tree Pruning; Crown Restoration (32 01 90 23-0001)</b>		
	Note: Crown restoration can improve the structure and appearance of trees that have been topped or severely pruned using heading cuts. One to three sprouts on main branch stubs should be selected to reform a more natural appearing crown. Selected vigorous sprouts may need to be thinned to a lateral, or even headed, to control length growth in order to ensure adequate attachment for the size of the sprout. Restoration may require several pruning's over a number of years.		
32 01 90 23-0095	EA 1-1/2" Caliper, Tree Pruning (Crown Restoration), By Hand.....	49.52	
32 01 90 23-0096	EA 2" Caliper, Tree Pruning (Crown Restoration), By Hand.....	56.65	
32 01 90 23-0097	EA 2-1/2" Caliper, Tree Pruning (Crown Restoration), By Hand.....	63.70	
32 01 90 23-0098	EA 3" Caliper, Tree Pruning (Crown Restoration), By Hand.....	70.75	
32 01 90 23-0099	EA 4" Caliper, Tree Pruning (Crown Restoration), By Hand.....	107.53	
32 01 90 23-0100	EA 4" Caliper, Tree Pruning (Crown Restoration), Aerial Lift Equipment.....	180.77	
32 01 90 23-0101	EA 6" Caliper, Tree Pruning (Crown Restoration), By Hand.....	188.22	
32 01 90 23-0102	EA 6" Caliper, Tree Pruning (Crown Restoration), Aerial Lift Equipment.....	344.28	
32 01 90 23-0103	EA 9" Caliper, Tree Pruning (Crown Restoration), By Hand.....	301.44	
32 01 90 23-0104	EA 9" Caliper, Tree Pruning (Crown Restoration), Aerial Lift Equipment.....	550.77	
32 01 90 23-0105	EA 12" Caliper, Tree Pruning (Crown Restoration), By Hand.....	348.33	
32 01 90 23-0106	EA 12" Caliper, Tree Pruning (Crown Restoration), Aerial Lift Equipment.....	636.91	
32 01 90 23-0107	EA 18" Caliper, Tree Pruning (Crown Restoration), By Hand.....	404.90	
32 01 90 23-0108	EA 18" Caliper, Tree Pruning (Crown Restoration), Aerial Lift Equipment.....	740.21	
32 01 90 23-0109	EA 24" Caliper, Tree Pruning (Crown Restoration), By Hand.....	492.89	
32 01 90 23-0110	EA 24" Caliper, Tree Pruning (Crown Restoration), Aerial Lift Equipment.....	895.35	
32 01 90 23-0111	EA 30" Caliper, Tree Pruning (Crown Restoration), By Hand.....	612.32	
32 01 90 23-0112	EA 30" Caliper, Tree Pruning (Crown Restoration), Aerial Lift Equipment.....	1,128.39	
32 01 90 23-0113	EA 36" Caliper, Tree Pruning (Crown Restoration), By Hand.....	838.67	
32 01 90 23-0114	EA 36" Caliper, Tree Pruning (Crown Restoration), Aerial Lift Equipment.....	1,529.38	
32 01 90 23-0115	EA 48" Caliper, Tree Pruning (Crown Restoration), By Hand.....	1,330.45	
32 01 90 23-0116	EA 48" Caliper, Tree Pruning (Crown Restoration), Aerial Lift Equipment.....	2,459.44	
<b>32 01 90 23-0117</b>	<b>Palm Tree Pruning (32 01 90 23)</b>		
32 01 90 23-0118	EA Trim Mexican Palm Tree.....	90.06	
32 01 90 23-0119	EA Trim Date Palm Tree.....	203.20	
32 01 90 23-0120	LF Skin Palm Tree.....	23.09	
32 01 90 23-0121	EA Trim And Skin Palm Tree, Up To 30' Height.....	87.80	
32 01 90 23-0122	EA Trim And Skin Palm Tree, >30' To 60' Height.....	108.46	
32 01 90 23-0123	EA Trim And Skin Palm Tree, >60' To 80' Height.....	121.37	

**32 Exterior Improvements****32 01 Operation and Maintenance of Exterior Improvements****32 01 90 Operation and Maintenance of Planting**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>32 01 90 23-0124 Shrub Pruning</b> <small>(32 01 90 23)</small>		
32 01 90 23-0125 MSF Shrub Pruning, Prune, Shrub Bed .....	96.79	
32 01 90 23-0126 EA Shrub Pruning, Prune, Shrub Under 3' Height .....	3.40	
32 01 90 23-0127 EA Shrub Pruning, Prune, Shrub 4' Height .....	7.65	
32 01 90 23-0128 EA Shrub Pruning, Prune, Shrub Over 6' .....	13.58	
32 01 90 23-0129 EA Shrub Pruning, Prune Trees From Ground .....	33.97	
32 01 90 23-0130 EA Shrub Pruning, Prune Trees From Ground, High Work .....	84.94	
<b>32 01 90 23-0131 Root Pruning</b> <small>(32 01 90 23)</small>		
Note: Cut roots cleanly after excavation with clean, sharp tools, to promote callus formation and wound closure. Wounds to be dressed with a tree rooting hormone compound. Mix soil improvements (e.g., peat moss) with fill soil to promote new root growth. Backfill the excavation and water the soil around the roots to avoid leaving air pockets.		
32 01 90 23-0132 EA Root Pruning, One Side Of Up To 1-1/2" Caliper Tree .....	16.99	
32 01 90 23-0133 EA Root Pruning, One Side Of 2" Caliper Tree .....	21.23	
32 01 90 23-0134 EA Root Pruning, One Side Of 2-1/2" Caliper Tree .....	25.48	
32 01 90 23-0135 EA Root Pruning, One Side Of 3" Caliper Tree .....	33.97	
32 01 90 23-0136 EA Root Pruning, One Side Of 4" Caliper Tree .....	50.96	
32 01 90 23-0137 EA Root Pruning, One Side Of >4" To 6" Caliper Tree .....	63.70	
32 01 90 23-0138 EA Root Pruning, One Side Of >6" To 9" Caliper Tree .....	89.18	
32 01 90 23-0139 EA Root Pruning, One Side Of >9" To 12" Caliper Tree .....	101.92	
32 01 90 23-0140 EA Root Pruning, One Side Of >12" To 18" Caliper Tree .....	118.91	
32 01 90 23-0141 EA Root Pruning, One Side Of >18" To 24" Caliper Tree .....	148.64	
32 01 90 23-0142 EA Root Pruning, One Side Of >24" To 30" Caliper Tree .....	182.61	
32 01 90 23-0143 EA Root Pruning, One Side Of >30" To 36" Caliper Tree .....	212.34	
32 01 90 23-0144 EA Root Pruning, One Side Of >36" To 42" Caliper Tree .....	233.58	
32 01 90 23-0145 EA Root Pruning, One Side Of >42" To 48" Caliper Tree .....	254.82	
<b>32 01 90 26 Watering</b> <small>(32 01 90)</small>		
Note: Includes delivered water. Not to be used as basis if watering with irrigation system or on-site owner provided water from hose or hydrant.		
<b>32 01 90 26-0001 Watering Lawns, Plants And Trees</b> <small>(32 01 90 26)</small>		
Note: Includes delivered water and watering truck. Not to be used as basis if watering with irrigation system or on-site owner provided water from hose or hydrant. These tasks are to be used as requested by the owner for extended watering period for lawns, plants and trees.		
32 01 90 26-0002 MSF Watering Sod/Grass, Per Inch Of Water .....	48.13	
32 01 90 26-0003 CSF Watering Groundcover .....	7.42	
32 01 90 26-0004 CSF Watering Annuals And Perennials .....	13.13	
32 01 90 26-0005 EA Watering Trees, 1-1/2" To 5" Diameter By Hand .....	25.35	
32 01 90 26-0006 EA Watering Trees, 6" To 12" Diameter By Hand .....	33.31	
32 01 90 26-0007 EA Watering Trees, 13" To 18" Diameter By Hand .....	41.30	
32 01 90 26-0008 EA Watering Trees, >18" Diameter By Hand .....	50.84	
32 01 90 26-0009 EA Watering Shrub Or Bush By Hand .....	12.75	
<b>32 01 90 36 Weed and Brush Control</b> <small>(32 01 90)</small>		
<b>32 01 90 36-0001 Herbicide, Push Or Hand Spreader Applied</b> <small>(32 01 90 36)</small>		
32 01 90 36-0002 MSF Non-Selective Post Emergent Weed Herbicide (70.4 oz/acre or 1.62 oz/MSF) .....	7.90	
For >45 To 90, Deduct	-0.44	
For >90 To 225, Deduct	-1.23	
For >225 To 870, Deduct	-2.02	
For >870, Deduct	-2.45	
32 01 90 36-0003 MSF Non-Selective Post Emergent Woody Brush And Tree Herbicide (128 oz/acre or 2.94 oz/MSF) .....	8.55	
For >45 To 90, Deduct	-0.50	
For >90 To 225, Deduct	-1.36	
For >225 To 870, Deduct	-2.21	
For >870, Deduct	-2.71	
32 01 90 36-0004 MSF Selective Weed Herbicide (56 oz/Acre or 1.28 oz/MSF) .....	8.51	
Note: Includes pre and post emergent.		
For >45 To 90, Deduct	-0.50	
For >90 To 225, Deduct	-1.35	
For >225 To 870, Deduct	-2.20	
For >870, Deduct	-2.70	
32 01 90 36-0005 MSF Selective Woody Brush And Tree Herbicide (72 oz/acre or 1.65 oz/MSF) .....	8.92	
Note: Includes pre and post emergents.		
For >45 To 90, Deduct	-0.54	
For >90 To 225, Deduct	-1.43	
For >225 To 870, Deduct	-2.32	
For >870, Deduct	-2.86	
<b>32 01 90 39 Pesticides</b> <small>(32 01 90)</small>		
32 01 90 39-0001 MSF Pesticide - Surface Eating .....	10.86	
32 01 90 39-0002 MSF Pesticide - Subsurface Eating .....	10.90	
32 01 90 39-0003 MSF Pesticide - Fungicide Application .....	11.83	
<b>32 01 90 43 Weed and Cultivate Beds</b> <small>(32 01 90)</small>		
32 01 90 43-0001 MSF Weed Mulched Bed .....	41.42	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 01 90 43-0002	MSF Weed Unmulched Bed.....	118.34
32 01 90 43-0003	MSF Cultivate Bed.....	63.72

**32 01 90 46 Hedge Trimming** (32 01 90)

32 01 90 46-0001	LF Trim 0-5' High Hedge, 0-3' Wide.....	5.49
32 01 90 46-0002	LF Trim 0-5' High Hedge, 4-6' Wide.....	8.22
32 01 90 46-0003	LF Trim 5-10' High Hedge, 0-3' Wide.....	12.46
32 01 90 46-0004	LF Trim 5-10' High Hedge, 4-6' Wide.....	12.69

**32 01 90 53 Plant Growth Regulator Application** (32 01 90)

32 01 90 53-0001	EA Plant Growth Regulator Application.....	6.22
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**32 05 Common Work Results for Exterior Improvements** (32)

**32 05 33 Common Work Results for Planting** (32 05)

**32 05 33 00-0001 Decorative Landscape Boulders** (32 05 33)

Note: Includes delivery of materials and placement.

32 05 33 00-0002	EA 1 -6" x 2' x 1' Oval Shape Boulders (approx 250 lbs each).....	82.72
32 05 33 00-0003	EA 1 -6" x 2' x 1'-6" Oval Shape Boulders (approx 375 lbs each).....	124.09
32 05 33 00-0004	EA 2' x 2' x 1'-6" Oval Shape Boulders (approx 500 lbs each).....	165.46
32 05 33 00-0005	EA 2' x 2' x 2' Oval Shape Boulders (approx 667 lbs each).....	220.73
32 05 33 00-0006	EA 2' x 3' x 1'-6" Oval Shape Boulders (approx 750 lbs each).....	248.45
32 05 33 00-0007	EA 2' x 3' x 2' Oval Shape Boulders (approx 1000 lbs each).....	331.26
32 05 33 00-0008	EA 2'-6" x 3' x 2' Oval Shape Boulders (approx 1250 lbs each).....	414.07
32 05 33 00-0009	EA 3' x 3' x 2' Oval Shape Boulders (approx 1500 lbs each).....	496.89
32 05 33 00-0010	EA 3' x 3'-6" x 2' Oval Shape Boulders (approx 1750 lbs each).....	579.70
32 05 33 00-0011	EA 3' x 4' x 2' Oval Shape Boulders (approx 2000 lbs each).....	662.52
32 05 33 00-0012	EA 3' x 3' x 3' Oval Shape Boulders (approx 2250 lbs each).....	745.33
32 05 33 00-0013	EA 3' x 4' x 2'-6" Oval Shape Boulders (approx 2500 lbs each).....	828.15
32 05 33 00-0014	EA 3' x 4' x 3' Oval Shape Boulders (approx 3000 lbs each).....	993.77
32 05 33 00-0015	TON Landscape Boulders.....	662.52

**32 10 Bases, Ballasts, and Paving** (32)

**32 11 Base Courses** (32 10)

**32 11 16 Subbase Courses** (32 11)

**32 11 16 16 Aggregate Subbase Courses** (32 11 16)

**32 11 16 16-0001 Base And Subbase Courses For Roadways And Parking Areas** (32 11 16 16)

Note: Includes 3/4" To 1-1/2" aggregate material, hauling up to 15 miles, dumping, spreading, grading, compacting and watering. See CSI section 01 74 19 00-0055 for hauling greater than 15 miles.

**32 11 16 16-0002 Base And Subbase Courses By The CY** (32 11 16 16-0001)

32 11 16 16-0003	CY Class II Graded Crushed Aggregate Roadway Base Course.....	108.19
32 11 16 16-0004	CY Class III Graded Crushed Aggregate Roadway Base Course.....	103.68
32 11 16 16-0005	CY Recycled Base Course.....	102.56

**32 11 16 16-0006 Class II Base Courses By The SY** (32 11 16 16-0001)

32 11 16 16-0007	SY 2" Class II Graded Crushed Aggregate Base Course.....	5.96
	<i>For Up To 500, Add</i>	1.51
	<i>For &gt;500 To 1,000, Add</i>	0.60
	<i>For &gt;5,000 To 10,000, Deduct</i>	-0.23
	<i>For &gt;10,000, Deduct</i>	-0.39
32 11 16 16-0008	SY 4" Class II Crushed Aggregate Base Course.....	11.94
	<i>For Up To 500, Add</i>	3.03
	<i>For &gt;500 To 1,000, Add</i>	1.19
	<i>For &gt;5,000 To 10,000, Deduct</i>	-0.45
	<i>For &gt;10,000, Deduct</i>	-0.78
32 11 16 16-0009	SY 6" Class II Crushed Aggregate Base Course.....	17.91
	<i>For Up To 500, Add</i>	4.55
	<i>For &gt;500 To 1,000, Add</i>	1.79
	<i>For &gt;5,000 To 10,000, Deduct</i>	-0.68
	<i>For &gt;10,000, Deduct</i>	-1.16
32 11 16 16-0010	SY 9" Class II Crushed Aggregate Base Course.....	26.86
	<i>For Up To 500, Add</i>	6.82
	<i>For &gt;500 To 1,000, Add</i>	2.69
	<i>For &gt;5,000 To 10,000, Deduct</i>	-1.02
	<i>For &gt;10,000, Deduct</i>	-1.75
32 11 16 16-0011	SY 12" Class II Crushed Aggregate Base Course.....	35.82
	<i>For Up To 500, Add</i>	9.09
	<i>For &gt;500 To 1,000, Add</i>	3.58
	<i>For &gt;5,000 To 10,000, Deduct</i>	-1.36
	<i>For &gt;10,000, Deduct</i>	-2.33

**32 Exterior Improvements**

**32 10 Bases, Ballasts, and Paving**

**32 11 Base Courses**



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

**32 11 23 Aggregate Base Courses (32 11)**

**32 11 23 16 Aggregate Base Courses (32 11 23)**

**32 11 23 16-0001 Base Courses For Sidewalk (Asphalt Or Concrete) (32 11 23 16)**

Note: Includes material, hauling up to 15 miles, placement, spreading, grading, and compaction. See CSI section 01 74 19 00-0055 for hauling greater than 15 miles.

32 11 23 16-0002	SF	2" Crushed Aggregate Base Course For Sidewalks	0.74
		<i>For Up To 1,000, Add</i>	0.20
		<i>For &gt;1,000 To 2,500, Add</i>	0.07
32 11 23 16-0003	SF	3" Crushed Aggregate Base Course For Sidewalks	1.03
		<i>For Up To 1,000, Add</i>	0.28
		<i>For &gt;1,000 To 2,500, Add</i>	0.10
32 11 23 16-0004	SF	4" Crushed Aggregate Base Course For Sidewalks	1.34
		<i>For Up To 1,000, Add</i>	0.37
		<i>For &gt;1,000 To 2,500, Add</i>	0.13
32 11 23 16-0005	SF	5" Crushed Aggregate Base Course For Sidewalks	1.75
		<i>For Up To 1,000, Add</i>	0.48
		<i>For &gt;1,000 To 2,500, Add</i>	0.18
32 11 23 16-0006	SF	6" Crushed Aggregate Base Course For Sidewalks	2.16
		<i>For Up To 1,000, Add</i>	0.59
		<i>For &gt;1,000 To 2,500, Add</i>	0.22
32 11 23 16-0007	SF	7" Crushed Aggregate Base Course For Sidewalks	2.48
		<i>For Up To 1,000, Add</i>	0.68
		<i>For &gt;1,000 To 2,500, Add</i>	0.25
32 11 23 16-0008	SF	8" Crushed Aggregate Base Course For Sidewalks	2.81
		<i>For Up To 1,000, Add</i>	0.77
		<i>For &gt;1,000 To 2,500, Add</i>	0.28

**32 11 26 Asphaltic Base Courses (32 11)**

**32 11 26 19 Bituminous-Stabilized Base Courses (32 11 26)**

**32 11 26 19-0001 Bituminous-Stabilized Base Courses (32 11 26 19)**

32 11 26 19-0002	CY	Bituminous Stabilized Base Course	107.38
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Note: 3/4" ASTM C33.

**32 12 Flexible Paving (32 10)**

**32 12 13 Preparatory Coats (32 12)**

**32 12 13 13 Tack Coats (32 12 13)**

32 12 13 13-0001	SY	Tack Coat, 0.04 Gallon/SY	0.63
		<i>For Up To 150, Add</i>	0.12
		<i>For &gt;150 To 300, Add</i>	0.06
		<i>For &gt;300 To 500, Add</i>	0.03
		<i>For &gt;3,500 To 5,000, Deduct</i>	-0.02
		<i>For &gt;5,000, Deduct</i>	-0.04
32 12 13 13-0002	SY	Tack Coat, 0.05 Gallon/SY	0.70
		<i>For Up To 150, Add</i>	0.14
		<i>For &gt;150 To 300, Add</i>	0.07
		<i>For &gt;300 To 500, Add</i>	0.04
		<i>For &gt;3,500 To 5,000, Deduct</i>	-0.02
		<i>For &gt;5,000, Deduct</i>	-0.04
32 12 13 13-0003	SY	Tack Coat, 0.07 Gallon/SY	0.83
		<i>For Up To 150, Add</i>	0.17
		<i>For &gt;150 To 300, Add</i>	0.08
		<i>For &gt;300 To 500, Add</i>	0.04
		<i>For &gt;3,500 To 5,000, Deduct</i>	-0.02
		<i>For &gt;5,000, Deduct</i>	-0.05
32 12 13 13-0004	SY	Tack Coat, 0.08 Gallon/SY	0.90
		<i>For Up To 150, Add</i>	0.19
		<i>For &gt;150 To 300, Add</i>	0.09
		<i>For &gt;300 To 500, Add</i>	0.05
		<i>For &gt;3,500 To 5,000, Deduct</i>	-0.02
		<i>For &gt;5,000, Deduct</i>	-0.06
32 12 13 13-0005	SY	Tack Coat, 0.10 Gallon/SY	1.04
		<i>For Up To 150, Add</i>	0.22
		<i>For &gt;150 To 300, Add</i>	0.10
		<i>For &gt;300 To 500, Add</i>	0.05
		<i>For &gt;3,500 To 5,000, Deduct</i>	-0.03
		<i>For &gt;5,000, Deduct</i>	-0.07
32 12 13 13-0006	SY	Tack Coat, 0.11 Gallon/SY	1.10
		<i>For Up To 150, Add</i>	0.24
		<i>For &gt;150 To 300, Add</i>	0.11
		<i>For &gt;300 To 500, Add</i>	0.06
		<i>For &gt;3,500 To 5,000, Deduct</i>	-0.03
		<i>For &gt;5,000, Deduct</i>	-0.07

**32 12 13 19 Prime Coats (32 12 13)**



<b>Exterior Improvements</b>	<b>32</b>
<b>Bases, Ballasts, and Paving</b>	<b>32 10</b>
<b>Flexible Paving</b>	<b>32 12</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 12 13 19-0001 SY Surface Prime Coat, 0.26 Gallon/SY .....	1.86	
For Up To 150, Add	0.42	
For >150 To 300, Add	0.19	
For >300 To 500, Add	0.09	
For >3,500 To 5,000, Deduct	-0.05	
For >5,000, Deduct	-0.13	
32 12 13 19-0002 SY Surface Prime Coat, 0.28 Gallon/SY .....	1.97	
For Up To 150, Add	0.45	
For >150 To 300, Add	0.20	
For >300 To 500, Add	0.10	
For >3,500 To 5,000, Deduct	-0.05	
For >5,000, Deduct	-0.14	
32 12 13 19-0003 SY Surface Prime Coat, 0.30 Gallon/SY .....	2.07	
For Up To 150, Add	0.47	
For >150 To 300, Add	0.21	
For >300 To 500, Add	0.10	
For >3,500 To 5,000, Deduct	-0.05	
For >5,000, Deduct	-0.14	
<b>32 12 16 Asphalt Paving <sup>(32 12)</sup></b>		
<b>32 12 16 13 Plant-Mix Asphalt Paving <sup>(32 12 16)</sup></b>		
Note: Includes delivery up to 15 miles, placement, rolling, finishing and sweeping. Excludes base, tack or price coat, seal coats and roadway fabrics (where required). See CSI section 01 74 19 00-0055 for hauling greater than 15 miles, 32 11 00 00-0000 for base courses, 32 12 13 13-0000 for tack coats, 32 12 13 19-0000 for prime coats, 32 12 16 39-0000 for roadway fabrics, 32 12 36 00-0000 for seal coats.		
<b>32 12 16 13-0001 Intermediate Binder Courses, Hot Mix Asphalt (HMA) <sup>(32 12 16 13)</sup></b>		
Note: Meets Caltrans requirements.		
32 12 16 13-0002 TON Bituminous Hot Mix Intermediate Binder Course 3,954 LB/CY .....	146.51	
Note: Includes Type A and Type B with 1/2" to 3/4" course or medium aggregate, placement, rolling, finishing and sweeping. Used for applications not described elsewhere in this section.		
For PG64-10 Asphalt, Add	17.15	
For Up To 25, Add	20.45	
For >25 To 50, Add	11.35	
For >500 To 1,000, Deduct	-6.17	
For >1,000 To 2,500, Deduct	-11.19	
For >2,500 To 5,000, Deduct	-17.36	
For >5,000, Deduct	-24.90	
32 12 16 13-0003 SY 1" Thick Bituminous Hot Mix Intermediate Binder Course .....	8.32	
Note: Includes placement, rolling, finishing and sweeping.		
For PG64-10 Asphalt, Add	0.94	
For Up To 1,000, Add	1.20	
For >1,000 To 2,000, Add	0.67	
For >10,000 To 20,000, Deduct	-0.35	
For >20,000 To 50,000, Deduct	-0.65	
For >50,000 To 100,000, Deduct	-1.00	
For >100,000, Deduct	-1.44	
32 12 16 13-0004 SY 1-1/2" Thick Bituminous Hot Mix Intermediate Binder Course .....	12.34	
Note: Includes placement, rolling, finishing and sweeping.		
For PG64-10 Asphalt, Add	1.41	
For Up To 700, Add	1.76	
For >700 To 1,400, Add	0.98	
For >7,000 To 14,000, Deduct	-0.53	
For >14,000 To 32,000, Deduct	-0.96	
For >32,000 To 64,000, Deduct	-1.49	
For >64,000, Deduct	-2.15	
32 12 16 13-0005 SY 2" Thick Bituminous Hot Mix Intermediate Binder Course .....	15.91	
Note: Includes placement, rolling, finishing and sweeping.		
For PG64-10 Asphalt, Add	1.88	
For Up To 500, Add	2.20	
For >500 To 1,000, Add	1.22	
For >5,000 To 10,000, Deduct	-0.69	
For >10,000 To 24,000, Deduct	-1.26	
For >24,000 To 48,000, Deduct	-1.96	
For >48,000, Deduct	-2.81	
32 12 16 13-0006 SY 2-1/2" Thick Bituminous Hot Mix Intermediate Binder Course .....	20.11	
Note: Includes placement, rolling, finishing and sweeping.		
For PG64-10 Asphalt, Add	2.35	
For Up To 400, Add	2.81	
For >400 To 800, Add	1.56	
For >4,000 To 8,000, Deduct	-0.87	
For >8,000 To 20,000, Deduct	-1.59	
For >20,000 To 40,000, Deduct	-2.46	
For >40,000, Deduct	-3.54	
32 12 16 13-0007 SY 3" Thick Bituminous Hot Mix Intermediate Binder Course .....	24.13	
Note: Includes placement, rolling, finishing and sweeping.		
For PG64-10 Asphalt, Add	2.82	
For Up To 340, Add	3.37	
For >340 To 680, Add	2.81	
For >3,400 To 6,800, Deduct	-1.05	
For >6,800 To 17,000, Deduct	-1.91	
For >17,000 To 34,000, Deduct	-2.95	
For >34,000, Deduct	-4.24	

**32 Exterior Improvements****32 10 Bases, Ballasts, and Paving****32 12 Flexible Paving**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 12 16 13-0008	SY	3-1/2" Thick Bituminous Hot Mix Intermediate Binder Course ..... Note: Includes placement, rolling, finishing and sweeping.	28.16	
		<i>For PG64-10 Asphalt, Add</i>	3.30	
		<i>For Up To 280, Add</i>	3.93	
		<i>For &gt;280 To 560, Add</i>	2.18	
		<i>For &gt;2,800 To 5,600, Deduct</i>	-1.22	
		<i>For &gt;5,600 To 14,000, Deduct</i>	-2.22	
		<i>For &gt;14,000 To 28,000, Deduct</i>	-3.45	
		<i>For &gt;28,000, Deduct</i>	-4.95	
32 12 16 13-0009	SY	4" Thick Bituminous Hot Mix Intermediate Binder Course ..... Note: Includes placement, rolling, finishing and sweeping.	32.18	
		<i>For PG64-10 Asphalt, Add</i>	3.77	
		<i>For Up To 250, Add</i>	4.49	
		<i>For &gt;250 To 500, Add</i>	2.49	
		<i>For &gt;2,500 To 5,000, Deduct</i>	-1.40	
		<i>For &gt;5,000 To 12,000, Deduct</i>	-2.54	
		<i>For &gt;12,000 To 24,000, Deduct</i>	-3.94	
		<i>For &gt;24,000, Deduct</i>	-5.66	
32 12 16 13-0010	SY	5" Thick Bituminous Hot Mix Intermediate Binder Course ..... Note: Includes placement, rolling, finishing and sweeping.	40.22	
		<i>For PG64-10 Asphalt, Add</i>	4.71	
		<i>For Up To 200, Add</i>	5.61	
		<i>For &gt;200 To 400, Add</i>	3.12	
		<i>For &gt;2,000 To 4,000, Deduct</i>	-1.75	
		<i>For &gt;4,000 To 10,000, Deduct</i>	-3.18	
		<i>For &gt;10,000 To 20,000, Deduct</i>	-4.92	
		<i>For &gt;20,000, Deduct</i>	-7.07	
32 12 16 13-0011	SY	6" Thick Bituminous Hot Mix Intermediate Binder Course ..... Note: Includes placement, rolling, finishing and sweeping.	48.26	
		<i>For PG64-10 Asphalt, Add</i>	5.65	
		<i>For Up To 160, Add</i>	6.73	
		<i>For &gt;160 To 320, Add</i>	3.74	
		<i>For &gt;1,600 To 3,200, Deduct</i>	-2.10	
		<i>For &gt;3,200 To 8,000, Deduct</i>	-3.81	
		<i>For &gt;8,000 To 16,000, Deduct</i>	-5.91	
		<i>For &gt;16,000, Deduct</i>	-8.49	
32 12 16 13-0012		<b>Surface Wearing Courses, Hot Mix Asphalt (HMA)</b> <small>(32 12 16 13)</small>		
		Note: Meets Caltrans requirements.		
32 12 16 13-0013	TON	Bituminous Hot Mix Surface Course 3954 LB/CY ..... Note: Includes Type A and Type B with 1/2" to 3/4" course or medium aggregate, placement, rolling, finishing and sweeping. Used for applications not described elsewhere in this section.	149.34	
		<i>For PG64-10 Asphalt, Add</i>	2.73	
		<i>For Up To 25, Add</i>	22.18	
		<i>For &gt;25 To 50, Add</i>	12.50	
		<i>For &gt;500 To 1,000, Deduct</i>	-6.02	
		<i>For &gt;1,000 To 2,500, Deduct</i>	-10.95	
		<i>For &gt;2,500 To 5,000, Deduct</i>	-16.97	
		<i>For &gt;5,000, Deduct</i>	-24.36	
32 12 16 13-0014	TON	Tire Rubber Modified Paving Asphalt (TRMAC) Surface Course (MAC-15TR) ..... Note: Includes 1/2" to 3/4" course or medium aggregate, placement, rolling, finishing and sweeping.	165.85	
		<i>For Up To 25, Add</i>	25.03	
		<i>For &gt;25 To 50, Add</i>	14.16	
		<i>For &gt;500 To 1,000, Deduct</i>	-6.60	
		<i>For Warm Mix Additive, Add</i>	7.73	
32 12 16 13-0015	TON	Asphalt Rubberized Hot Mix (ARHM) Surface Course ..... Note: Includes 1/2" to 3/4" course or medium aggregate, placement, rolling, finishing and sweeping.	176.76	
		<i>For Up To 25, Add</i>	26.13	
		<i>For &gt;25 To 50, Add</i>	14.71	
		<i>For &gt;500 To 1,000, Deduct</i>	-7.15	
		<i>For &gt;1,000 To 2,500, Deduct</i>	-13.00	
		<i>For &gt;2,500 To 5,000, Deduct</i>	-20.15	
		<i>For &gt;5,000, Deduct</i>	-28.93	
		<i>For Warm Mix Additive, Add</i>	8.44	
32 12 16 13-0016	SY	1" Thick Bituminous Hot Mix Surface Wearing Course ..... Note: Includes placement, rolling, finishing and sweeping.	8.14	
		<i>For PG64-10 Asphalt, Add</i>	0.14	
		<i>For Up To 1,000, Add</i>	1.25	
		<i>For &gt;1,000 To 2,000, Add</i>	0.71	
		<i>For &gt;10,000 To 20,000, Deduct</i>	-0.33	
		<i>For &gt;20,000 To 50,000, Deduct</i>	-0.61	
		<i>For &gt;50,000 To 100,000, Deduct</i>	-0.95	
		<i>For &gt;100,000, Deduct</i>	-1.36	
32 12 16 13-0017	SY	1-1/2" Thick Bituminous Hot Mix Surface Wearing Course ..... Note: Includes placement, rolling, finishing and sweeping.	12.06	
		<i>For PG64-10 Asphalt, Add</i>	0.21	
		<i>For Up To 700, Add</i>	1.83	
		<i>For &gt;700 To 1,400, Add</i>	1.04	
		<i>For &gt;7,000 To 14,000, Deduct</i>	-0.50	
		<i>For &gt;14,000 To 32,000, Deduct</i>	-0.91	
		<i>For &gt;32,000 To 64,000, Deduct</i>	-1.41	
		<i>For &gt;64,000, Deduct</i>	-2.03	





<b>Exterior Improvements</b>		<b>32</b>
<b>Bases, Ballasts, and Paving</b>		<b>32 10</b>
<b>Flexible Paving</b>		<b>32 12</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 12 16 13-0018 SY 2" Thick Bituminous Hot Mix Surface Wearing Course.....	15.46	
Note: Includes placement, rolling, finishing and sweeping.		
For PG64-10 Asphalt, Add	0.29	
For Up To 500, Add	2.27	
For >500 To 1,000, Add	1.28	
For >5,000 To 10,000, Deduct	-0.65	
For >10,000 To 24,000, Deduct	-1.19	
For >24,000 To 48,000, Deduct	-1.84	
For >48,000, Deduct	-2.65	
32 12 16 13-0019 SY 2-1/2" Thick Bituminous Hot Mix Surface Wearing Course.....	19.57	
Note: Includes placement, rolling, finishing and sweeping.		
For PG64-10 Asphalt, Add	0.36	
For Up To 400, Add	2.91	
For >400 To 800, Add	1.64	
For >4,000 To 8,000, Deduct	-0.82	
For >8,000 To 20,000, Deduct	-1.50	
For >20,000 To 40,000, Deduct	-2.32	
For >40,000, Deduct	-3.33	
32 12 16 13-0020 SY 3" Thick Bituminous Hot Mix Surface Wearing Course.....	23.49	
Note: Includes placement, rolling, finishing and sweeping.		
For PG64-10 Asphalt, Add	0.43	
For Up To 340, Add	3.49	
For >340 To 680, Add	2.82	
For >3,400 To 6,800, Deduct	-0.98	
For >6,800 To 17,000, Deduct	-1.80	
For >17,000 To 34,000, Deduct	-2.78	
For >34,000, Deduct	-4.00	
32 12 16 13-0021 CSF Type F Asphalt Surface Cap 1/8" To 1/4" Thick For Use Only On Top Concrete Filled Trench.....	94.76	
<b>32 12 16 13-0022 Hand Placed, Hot Mix Asphalt (HMA) (32 12 16 13)</b>		
32 12 16 13-0023 TON Hand Placed Hot Mixed Asphalt 3,954 LB/CY.....	375.50	
Note: For small areas not reachable by machine. Includes placement, rolling, finishing and sweeping.		
<b>32 12 16 19 Cold-Mix Asphalt Paving (32 12 16)</b>		
Note: 0.5 Gal asphalt/SY per inch depth; well graded granular aggregate.		
<b>32 12 16 19-0001 Cold Mix Asphalt (CMA) Pavement (32 12 16 19)</b>		
Note: 0.5 Gal asphalt/SY per inch depth; well graded granular aggregate.		
32 12 16 19-0002 SY Cold Laid Asphalt Pavement, Traveling Plant Mixed In Windrows, Compacted 4" Course.....	13.15	
32 12 16 19-0003 SY Cold Laid Asphalt Pavement, Rotary Plant Mixed In Place, Compacted 4" Course.....	12.78	
32 12 16 19-0004 SY Cold Laid Asphalt Pavement, Central Stationary Plant, Mixed, Compacted 4" Course.....	20.29	
<b>32 12 16 39 Paving Fabrics (32 12 16)</b>		
See CSI section 31 32 19 16-0000 for geotextile fabric.		
<b>32 12 16 39-0001 Geotextile Paving Fabrics (32 12 16 39)</b>		
32 12 16 39-0002 SY 3.6 Ounce/SY, 90 LB Grab Tensile Nonwoven Polypropylene Geotextile Paving Fabric (Carthage Mills FX-38A/O).....	1.94	
For Up To 50, Add	0.43	
For >50 To 150, Add	0.32	
For >150 To 250, Add	0.21	
For >250 To 500, Add	0.10	
32 12 16 39-0003 SY 4.1 Ounce/SY, 101 LB Grab Tensile Nonwoven Polypropylene Geotextile Paving Fabric (Carthage Mills FX-42 A/O).....	2.09	
For Up To 50, Add	0.46	
For >50 To 150, Add	0.34	
For >150 To 250, Add	0.22	
For >250 To 500, Add	0.11	
<b>32 12 16 43 Waterproofing Membranes (32 12 16)</b>		
<b>32 12 16 43-0001 Waterproofing Membranes (32 12 16 43)</b>		
32 12 16 43-0002 SY Up To 500 SY, Preformed Rubberized Asphalt Membrane.....	36.35	
32 12 16 43-0003 SY >500 To 1,000 SY, Preformed Rubberized Asphalt Membrane.....	27.11	
32 12 16 43-0004 SY >1,000 SY, Preformed Rubberized Asphalt Membrane.....	16.61	
<b>32 12 33 Flexible Paving Surface Treatments (32 12)</b>		
<b>32 12 33 00-0001 Bituminous Surface Treatment For Roadways (32 12 33)</b>		
Note: 0.25 Gal bitumen per SY and 30 lb of gravel/SY.		
32 12 33 00-0002 SY Single Course Bituminous Treatment, Prepare And Clean Surface Roadway.....	3.19	
32 12 33 00-0003 SY Double Course Bituminous Treatment, Prepare And Clean Surface Roadway.....	5.76	
<b>32 12 33 00-0004 Bituminous Surface Treatment For Trails (32 12 33)</b>		
Note: 0.25 Gal bitumen per SY and 20 lb of gravel/SY.		
32 12 33 00-0005 SY Bituminous Surface Treatment, For Trails.....	2.13	
<b>32 12 36 Seal Coats (32 12)</b>		
See CSI section 32 01 13 62-0000 for slurry seal.		

**32 Exterior Improvements****32 10 Bases, Ballasts, and Paving****32 12 Flexible Paving**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST**32 12 36 13 Asphaltic Seal and Fog Coats** (32 12 36)**32 12 36 13-0001 Asphalt Emulsion Seal Coat (Chip Seal)** (32 12 36 13)

Note: Includes initial sweeping prior to placement, cleaning of area, rolling and final sweeping. Excludes crack repair, fog sealer, and any additional consecutive days sweeping following final sweeping.

**32 12 36 13-0002 Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)** (32 12 36 13-0001)

Note: 12 to 20 Pounds Per SY of 1/4" No. 10 with 0.15 to 0.30 gallons asphalt emulsion per SY.

32 12 36 13-0003	SY	Up To 200 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	4.99
		<i>For Each Additional 0.5% Latex Additive, Add</i>	<i>0.54</i>
32 12 36 13-0004	SY	>200 To 500 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	4.51
		<i>For Each Additional 0.5% Latex Additive, Add</i>	<i>0.54</i>
32 12 36 13-0005	SY	>500 To 1,000 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	4.30
		<i>For Each Additional 0.5% Latex Additive, Add</i>	<i>0.54</i>
32 12 36 13-0006	SY	>1,000 To 5,000 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	4.04
		<i>For Each Additional 0.5% Latex Additive, Add</i>	<i>0.54</i>
32 12 36 13-0007	SY	>5,000 To 10,000 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	3.91
		<i>For Each Additional 0.5% Latex Additive, Add</i>	<i>0.54</i>
32 12 36 13-0008	SY	>10,000 To 20,000 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	3.81
		<i>For Each Additional 0.5% Latex Additive, Add</i>	<i>0.54</i>
32 12 36 13-0009	SY	>20,000 To 50,000 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	3.68
		<i>For Each Additional 0.5% Latex Additive, Add</i>	<i>0.54</i>
32 12 36 13-0010	SY	>50,000 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	3.61
		<i>For Each Additional 0.5% Latex Additive, Add</i>	<i>0.54</i>

**32 12 36 13-0011 Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)** (32 12 36 13-0001)

Note: 16 to 25 Pounds Per SY of 5/16" No. 8 with 0.25 to 0.35 gallons asphalt emulsion per SY.

32 12 36 13-0012	SY	Up To 200 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	5.83
		<i>For Each Additional 0.5% Latex Additive, Add</i>	<i>0.67</i>
32 12 36 13-0013	SY	>200 To 500 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	5.28
		<i>For Each Additional 0.5% Latex Additive, Add</i>	<i>0.67</i>
32 12 36 13-0014	SY	>500 To 1,000 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	5.01
		<i>For Each Additional 0.5% Latex Additive, Add</i>	<i>0.67</i>
32 12 36 13-0015	SY	>1,000 To 5,000 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	4.86
		<i>For Each Additional 0.5% Latex Additive, Add</i>	<i>0.67</i>
32 12 36 13-0016	SY	>5,000 To 10,000 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	4.56
		<i>For Each Additional 0.5% Latex Additive, Add</i>	<i>0.67</i>
32 12 36 13-0017	SY	>10,000 To 20,000 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	4.36
		<i>For Each Additional 0.5% Latex Additive, Add</i>	<i>0.67</i>
32 12 36 13-0018	SY	>20,000 To 50,000 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	4.21
		<i>For Each Additional 0.5% Latex Additive, Add</i>	<i>0.67</i>
32 12 36 13-0019	SY	>50,000 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	4.12
		<i>For Each Additional 0.5% Latex Additive, Add</i>	<i>0.67</i>

**32 12 36 13-0020 Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)** (32 12 36 13-0001)

Note: 20 to 30 Pounds Per SY of 3/8" No. 6 with 0.25 to 0.40 gallons asphalt emulsion per SY.

32 12 36 13-0021	SY	Up To 200 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	6.58
		<i>For Each Additional 0.5% Latex Additive, Add</i>	<i>0.80</i>
32 12 36 13-0022	SY	>200 To 500 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	5.95
		<i>For Each Additional 0.5% Latex Additive, Add</i>	<i>0.80</i>
32 12 36 13-0023	SY	>500 To 1,000 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	5.64
		<i>For Each Additional 0.5% Latex Additive, Add</i>	<i>0.80</i>
32 12 36 13-0024	SY	>1,000 To 5,000 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	5.28
		<i>For Each Additional 0.5% Latex Additive, Add</i>	<i>0.80</i>
32 12 36 13-0025	SY	>5,000 To 10,000 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	5.09
		<i>For Each Additional 0.5% Latex Additive, Add</i>	<i>0.80</i>
32 12 36 13-0026	SY	>10,000 To 20,000 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	4.82
		<i>For Each Additional 0.5% Latex Additive, Add</i>	<i>0.80</i>
32 12 36 13-0027	SY	>20,000 To 50,000 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	4.63
		<i>For Each Additional 0.5% Latex Additive, Add</i>	<i>0.80</i>
32 12 36 13-0028	SY	>50,000 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	4.54
		<i>For Each Additional 0.5% Latex Additive, Add</i>	<i>0.80</i>

**32 12 36 13-0029 Course Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)** (32 12 36 13-0001)

Note: 23 to 35 Pounds Per SY of 1/2" No. 4 with 0.30 to 0.40 gallons asphalt emulsion per SY.

32 12 36 13-0030	SY	Up To 200 SY, Course Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	6.65
		<i>For Each Additional 0.5% Latex Additive, Add</i>	<i>0.92</i>
32 12 36 13-0031	SY	>200 To 500 SY, Course Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	6.03
		<i>For Each Additional 0.5% Latex Additive, Add</i>	<i>0.92</i>
32 12 36 13-0032	SY	>500 To 1,000 SY, Course Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	5.72
		<i>For Each Additional 0.5% Latex Additive, Add</i>	<i>0.92</i>
32 12 36 13-0033	SY	>1,000 To 5,000 SY, Course Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	5.37
		<i>For Each Additional 0.5% Latex Additive, Add</i>	<i>0.92</i>
32 12 36 13-0034	SY	>5,000 To 10,000 SY, Course Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	5.17
		<i>For Each Additional 0.5% Latex Additive, Add</i>	<i>0.92</i>
32 12 36 13-0035	SY	>10,000 To 20,000 SY, Course Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	4.99
		<i>For Each Additional 0.5% Latex Additive, Add</i>	<i>0.92</i>



		<b>Exterior Improvements</b>	<b>32</b>
		<b>Bases, Ballasts, and Paving</b>	<b>32 10</b>
		Flexible Paving	32 12

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 12 36 13-0036	SY	>20,000 To 50,000 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal).....	4.72	
		<i>For Each Additional 0.5% Latex Additive, Add</i>	0.92	
32 12 36 13-0037	SY	>50,000 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal).....	4.62	
		<i>For Each Additional 0.5% Latex Additive, Add</i>	0.92	
<b>32 12 36 13-0038</b>		<b>Double Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)<sup>(32)</sup></b> <small><sup>12 36 13-0001</sup></small>		
		Note: First coat 23 to 30 Pounds Per SY of 1/2" No. 4 with 0.20 to 0.35 gallons asphalt emulsion per SY, Second coat 12 to 20 Pounds Per SY of 1/4" No. 10 with 0.20 to 0.30 gallons asphalt emulsion per SY.		
32 12 36 13-0039	SY	Up To 200 SY, Double Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal).....	10.01	
		<i>For Each Additional 0.5% Latex Additive, Add</i>	1.34	
32 12 36 13-0040	SY	>200 To 500 SY, Double Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal).....	9.20	
		<i>For Each Additional 0.5% Latex Additive, Add</i>	1.34	
32 12 36 13-0041	SY	>500 To 1,000 SY, Double Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal).....	8.73	
		<i>For Each Additional 0.5% Latex Additive, Add</i>	1.34	
32 12 36 13-0042	SY	>1,000 To 5,000 SY, Double Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal).....	8.20	
		<i>For Each Additional 0.5% Latex Additive, Add</i>	1.34	
32 12 36 13-0043	SY	>5,000 To 10,000 SY, Double Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal).....	7.91	
		<i>For Each Additional 0.5% Latex Additive, Add</i>	1.34	
32 12 36 13-0044	SY	>10,000 To 20,000 SY, Double Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal).....	7.57	
		<i>For Each Additional 0.5% Latex Additive, Add</i>	1.34	
32 12 36 13-0045	SY	>20,000 To 50,000 SY, Double Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal).....	7.29	
		<i>For Each Additional 0.5% Latex Additive, Add</i>	1.34	
32 12 36 13-0046	SY	>50,000 SY, Double Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal).....	7.16	
		<i>For Each Additional 0.5% Latex Additive, Add</i>	1.34	
<b>32 12 36 13-0047</b>		<b>Asphalt Emulsion Seal Coat (Scrub Seal)<sup>(32 12 36 13)</sup></b>		
		Note: Includes initial sweeping prior to placement, cleaning of area, towed broom sled of scrub brush and final sweeping. Excludes crack repair, fog sealer, and any additional consecutive days sweeping following final sweeping. See CSI section 32 12 36 13-0084 for fog seal.		
<b>32 12 36 13-0048</b>		<b>Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)<sup>(32 12)</sup></b> <small><sup>36 13-0047</sup></small>		
		Note: 12 to 20 Pounds Per SY of 1/4" No. 10 with 0.15 to 0.30 gallons asphalt emulsion per SY.		
32 12 36 13-0049	SY	Up To 200 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal).....	4.55	
		<i>For Each Additional 0.5% Latex Additive, Add</i>	0.54	
32 12 36 13-0050	SY	>200 To 500 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal).....	4.27	
		<i>For Each Additional 0.5% Latex Additive, Add</i>	0.54	
32 12 36 13-0051	SY	>500 To 1,000 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal).....	4.06	
		<i>For Each Additional 0.5% Latex Additive, Add</i>	0.54	
32 12 36 13-0052	SY	>1,000 To 5,000 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal).....	3.85	
		<i>For Each Additional 0.5% Latex Additive, Add</i>	0.54	
32 12 36 13-0053	SY	>5,000 To 10,000 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal).....	3.73	
		<i>For Each Additional 0.5% Latex Additive, Add</i>	0.54	
32 12 36 13-0054	SY	>10,000 To 20,000 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal).....	3.63	
		<i>For Each Additional 0.5% Latex Additive, Add</i>	0.54	
32 12 36 13-0055	SY	>20,000 To 50,000 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal).....	3.52	
		<i>For Each Additional 0.5% Latex Additive, Add</i>	0.54	
32 12 36 13-0056	SY	>50,000 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal).....	3.48	
		<i>For Each Additional 0.5% Latex Additive, Add</i>	0.54	
<b>32 12 36 13-0057</b>		<b>Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)<sup>(32 12 36 13-0047)</sup></b>		
		Note: 16 to 25 Pounds Per SY of 5/16" No. 8 with 0.25 to 0.35 gallons asphalt emulsion per SY.		
32 12 36 13-0058	SY	Up To 200 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal).....	5.41	
		<i>For Each Additional 0.5% Latex Additive, Add</i>	0.67	
32 12 36 13-0059	SY	>200 To 500 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal).....	5.06	
		<i>For Each Additional 0.5% Latex Additive, Add</i>	0.67	
32 12 36 13-0060	SY	>500 To 1,000 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal).....	4.85	
		<i>For Each Additional 0.5% Latex Additive, Add</i>	0.67	
32 12 36 13-0061	SY	>1,000 To 5,000 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal).....	4.69	
		<i>For Each Additional 0.5% Latex Additive, Add</i>	0.67	
32 12 36 13-0062	SY	>5,000 To 10,000 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal).....	4.38	
		<i>For Each Additional 0.5% Latex Additive, Add</i>	0.67	
32 12 36 13-0063	SY	>10,000 To 20,000 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal).....	4.20	
		<i>For Each Additional 0.5% Latex Additive, Add</i>	0.67	
32 12 36 13-0064	SY	>20,000 To 50,000 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal).....	4.06	
		<i>For Each Additional 0.5% Latex Additive, Add</i>	0.67	
32 12 36 13-0065	SY	>50,000 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal).....	4.01	
		<i>For Each Additional 0.5% Latex Additive, Add</i>	0.67	
<b>32 12 36 13-0066</b>		<b>Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)<sup>(32 12 36 13-0047)</sup></b>		
		Note: 20 to 30 Pounds Per SY of 3/8" No. 6 with 0.25 to 0.40 gallons asphalt emulsion per SY.		
32 12 36 13-0067	SY	Up To 200 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal).....	6.20	
		<i>For Each Additional 0.5% Latex Additive, Add</i>	0.80	
32 12 36 13-0068	SY	>200 To 500 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal).....	5.77	
		<i>For Each Additional 0.5% Latex Additive, Add</i>	0.80	
32 12 36 13-0069	SY	>500 To 1,000 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal).....	5.46	
		<i>For Each Additional 0.5% Latex Additive, Add</i>	0.80	

**32 Exterior Improvements****32 10 Bases, Ballasts, and Paving****32 12 Flexible Paving**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 12 36 13-0070 SY >1,000 To 5,000 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal).....	5.12	
For Each Additional 0.5% Latex Additive, Add	0.80	
32 12 36 13-0071 SY >5,000 To 10,000 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal).....	4.93	
For Each Additional 0.5% Latex Additive, Add	0.80	
32 12 36 13-0072 SY >10,000 To 20,000 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal).....	4.65	
For Each Additional 0.5% Latex Additive, Add	0.80	
32 12 36 13-0073 SY >20,000 To 50,000 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal).....	4.48	
For Each Additional 0.5% Latex Additive, Add	0.80	
32 12 36 13-0074 SY >50,000 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal).....	4.42	
For Each Additional 0.5% Latex Additive, Add	0.80	
<b>32 12 36 13-0075 Course Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)</b>		
<small>(32 12 36 13-0047)</small> Note: 23 to 35 Pounds Per SY of 1/2" No. 4 with 0.30 to 0.40 gallons asphalt emulsion per SY.		
32 12 36 13-0076 SY Up To 200 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal).....	6.29	
For Each Additional 0.5% Latex Additive, Add	0.92	
32 12 36 13-0077 SY >200 To 500 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal).....	5.87	
For Each Additional 0.5% Latex Additive, Add	0.92	
32 12 36 13-0078 SY >500 To 1,000 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal).....	5.54	
For Each Additional 0.5% Latex Additive, Add	0.92	
32 12 36 13-0079 SY >1,000 To 5,000 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal).....	5.18	
For Each Additional 0.5% Latex Additive, Add	0.92	
32 12 36 13-0080 SY >5,000 To 10,000 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal).....	4.99	
For Each Additional 0.5% Latex Additive, Add	0.92	
32 12 36 13-0081 SY >10,000 To 20,000 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal).....	4.83	
For Each Additional 0.5% Latex Additive, Add	0.92	
32 12 36 13-0082 SY >20,000 To 50,000 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal).....	4.58	
For Each Additional 0.5% Latex Additive, Add	0.92	
32 12 36 13-0083 SY >50,000 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal).....	4.51	
For Each Additional 0.5% Latex Additive, Add	0.92	
<b>32 12 36 13-0084 Fog Seal, CQS-1h</b> <small>(32 12 36 13)</small>		
Note: A fog seal is a light application of diluted, slow-setting asphalt emulsion without aggregate cover. Includes sweeping and cleaning of area.		
32 12 36 13-0085 SY Up To 200 SY, CQS-1h, Fog Seal.....	1.87	
32 12 36 13-0086 SY >200 To 500 SY, CQS-1h, Fog Seal.....	1.35	
32 12 36 13-0087 SY >500 To 1,000 SY, CQS-1h, Fog Seal.....	1.15	
32 12 36 13-0088 SY >1,000 To 5,000 SY, CQS-1h, Fog Seal.....	0.99	
32 12 36 13-0089 SY >5,000 To 10,000 SY, CQS-1h, Fog Seal.....	0.90	
32 12 36 13-0090 SY >10,000 To 20,000 SY, CQS-1h, Fog Seal.....	0.83	
32 12 36 13-0091 SY >20,000 To 50,000 SY, CQS-1h, Fog Seal.....	0.77	
32 12 36 13-0092 SY >50,000 SY, CQS-1h, Fog Seal.....	0.74	
<b>32 12 36 13-0093 Sand Sealer</b> <small>(32 12 36 13)</small>		
Note: A sand seal is an application of asphalt binder followed by placement of a layer of sand or fine aggregate, and then rolled to embed the sand or fine aggregate into the binder. Includes sweeping and cleaning of area.		
32 12 36 13-0094 SY Up To 200 SY, Sand Seal.....	2.87	
32 12 36 13-0095 SY >200 To 500 SY, Sand Seal.....	1.88	
32 12 36 13-0096 SY >500 To 1,000 SY, Sand Seal.....	1.87	
32 12 36 13-0097 SY >1,000 To 5,000 SY, Sand Seal.....	1.65	
32 12 36 13-0098 SY >5,000 To 10,000 SY, Sand Seal.....	1.53	
32 12 36 13-0099 SY >10,000 To 20,000 SY, Sand Seal.....	1.43	
32 12 36 13-0100 SY >20,000 To 50,000 SY, Sand Seal.....	1.35	
32 12 36 13-0101 SY >50,000 SY, Sand Seal.....	1.33	
<b>32 12 36 16 Coal Tar Seal Coats</b> <small>(32 12 36)</small>		
<b>32 12 36 16-0001 Thermoplastic Coal-Tar Asphalt Seal</b> <small>(32 12 36 16)</small>		
Note: Includes sweeping and cleaning of area.		
32 12 36 16-0002 SY Up To 500 SY, Type I Thermoplastic Coal-Tar Asphalt Seal.....	15.31	
32 12 36 16-0003 SY >500 To 1,000 SY, Type I Thermoplastic Coal-Tar Asphalt Seal.....	14.40	
32 12 36 16-0004 SY >1,000 To 5,000 SY, Type I Thermoplastic Coal-Tar Asphalt Seal.....	12.70	
32 12 36 16-0005 SY >5,000 To 20,000 SY, Type I Thermoplastic Coal-Tar Asphalt Seal.....	11.40	
32 12 36 16-0006 SY >20,000 To 50,000 SY, Type I Thermoplastic Coal-Tar Asphalt Seal.....	9.70	
32 12 36 16-0007 SY >50,000 SY, Type I Thermoplastic Coal-Tar Asphalt Seal.....	7.98	
32 12 36 16-0008 SY Up To 500 SY, Type II Thermoplastic Coal-Tar Asphalt Seal.....	18.61	
32 12 36 16-0009 SY >500 To 1,000 SY, Type II Thermoplastic Coal-Tar Asphalt Seal.....	17.59	
32 12 36 16-0010 SY >1,000 To 5,000 SY, Type II Thermoplastic Coal-Tar Asphalt Seal.....	15.55	
32 12 36 16-0011 SY >5,000 To 20,000 SY, Type II Thermoplastic Coal-Tar Asphalt Seal.....	14.02	
32 12 36 16-0012 SY >20,000 To 50,000 SY, Type II Thermoplastic Coal-Tar Asphalt Seal.....	11.98	
32 12 36 16-0013 SY >50,000 SY, Type II Thermoplastic Coal-Tar Asphalt Seal.....	9.92	
<b>32 12 43 Porous Flexible Paving</b> <small>(32 12)</small>		
<b>32 12 43 00-0001 Flexible Recycled Plastic Porous Grid</b> <small>(32 12 43)</small>		
Note: Includes sand fill in rings. Excludes base, earth work and grass or sod.		



		<b>Exterior Improvements</b>	<b>32</b>
		<b>Bases, Ballasts, and Paving</b>	<b>32 10</b>
		<b>Flexible Paving</b>	<b>32 12</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 12 43 00-0002 SY 1" Thick, Recycled Plastic Flexible Pavement With Sand Fill .....37.79 Note: Includes sand fill in rings. Excludes base, earth work and grass or sod. Invisible Structures, Inc.; Grasspave2.		
For Up To 100, Add	12.54	
For >100 To 500, Add	3.12	
For >1,000 To 5,000, Deduct	-1.24	
For >5,000, Deduct	-2.62	
<b>32 12 73 Asphalt Paving Joint Sealants (32 12)</b>		
32 12 73 00-0001 Expansion Joint In Sidewalk (32 12 73)		
32 12 73 00-0002 LF For Hot Asphalt Poured Over Expansion Joint In Sidewalk .....3.47		
<b>32 13 Rigid Paving (32 10)</b>		
<b>32 13 13 Concrete Paving (32 13)</b>		
Note: The following section includes spreading and placing delivered Portland cement concrete mix.		
<b>32 13 13 33 Plain Concrete Paving (32 13 13)</b>		
32 13 13 33-0001 Concrete Paving Assemblies (32 13 13 33)		
Note: Includes forms, wire mesh (where necessary), two mat layers #3-#6 reinforcing rods at 12" on center with chairs (where necessary), vapor barrier, concrete, curing, latex or hot asphalt expansion joints, control joints, screed, float and finish. Excludes excavation, base and earthwork. Includes concrete paving machine. To be used for roadways, driveways, parking areas, or other areas of vehicular traffic. See CSI section 03 05 13 00-0001 for color additive.		
32 13 13 33-0002 4,500 PSI Concrete Paving Assembly (32 13 13 33-0001)		
32 13 13 33-0003 SY 4" 4,500 PSI Concrete Paving Assembly .....63.65		
For 2,500 PSI Concrete, Deduct	-4.03	
For 3,000 PSI Concrete, Deduct	-2.63	
For 3,500 PSI Concrete, Deduct	-2.10	
For 4,000 PSI Concrete, Deduct	-0.91	
For 5,000 PSI Concrete, Add	0.56	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	4.56	
For <12' Wide Pass, Add	10.65	
For 24' Or Greater Wide Pass, Deduct	-12.73	
For Air Entrainment, Add	1.75	
For Slipforming, Deduct	-6.37	
For Up To 100, Add	24.16	
For >100 To 250, Add	13.83	
For >250 To 500, Add	6.92	
For >1,000 To 2,000, Deduct	-1.75	
For >2,000 To 5,000, Deduct	-3.35	
For >5,000 To 10,000, Deduct	-4.94	
For >10,000 To 20,000, Deduct	-6.53	
For >20,000, Deduct	-8.12	
32 13 13 33-0004 SY 5" 4,500 PSI Concrete Paving Assembly .....75.76		
For 2,500 PSI Concrete, Deduct	-5.06	
For 3,000 PSI Concrete, Deduct	-3.30	
For 3,500 PSI Concrete, Deduct	-2.64	
For 4,000 PSI Concrete, Deduct	-1.14	
For 5,000 PSI Concrete, Add	0.70	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	5.72	
For <12' Wide Pass, Add	12.34	
For 24' Or Greater Wide Pass, Deduct	-15.15	
For Air Entrainment, Add	2.20	
For Slipforming, Deduct	-7.58	
For Up To 100, Add	27.84	
For >100 To 250, Add	16.12	
For >250 To 500, Add	8.06	
For >1,000 To 2,000, Deduct	-2.20	
For >2,000 To 5,000, Deduct	-4.10	
For >5,000 To 10,000, Deduct	-5.99	
For >10,000 To 20,000, Deduct	-7.88	
For >20,000, Deduct	-9.78	
32 13 13 33-0005 SY 6" 4,500 PSI Concrete Paving Assembly .....80.82		
For 2,500 PSI Concrete, Deduct	-5.34	
For 3,000 PSI Concrete, Deduct	-3.48	
For 3,500 PSI Concrete, Deduct	-2.79	
For 4,000 PSI Concrete, Deduct	-1.21	
For 5,000 PSI Concrete, Add	0.74	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	6.04	
For <12' Wide Pass, Add	13.24	
For 24' Or Greater Wide Pass, Deduct	-16.16	
For Air Entrainment, Add	2.32	
For Slipforming, Deduct	-8.08	
For Up To 100, Add	29.92	
For >100 To 250, Add	17.28	
For >250 To 500, Add	8.64	
For >1,000 To 2,000, Deduct	-2.32	
For >2,000 To 5,000, Deduct	-4.34	
For >5,000 To 10,000, Deduct	-6.36	
For >10,000 To 20,000, Deduct	-8.38	
For >20,000, Deduct	-10.40	

**32 Exterior Improvements****32 10 Bases, Ballasts, and Paving****32 13 Rigid Paving**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 13 13	33-0006	SY	7" 4,500 PSI Concrete Paving Assembly.....	96.66	
			<i>For 2,500 PSI Concrete, Deduct</i>	-6.74	
			<i>For 3,000 PSI Concrete, Deduct</i>	-4.39	
			<i>For 3,500 PSI Concrete, Deduct</i>	-3.51	
			<i>For 4,000 PSI Concrete, Deduct</i>	-1.52	
			<i>For 5,000 PSI Concrete, Add</i>	0.94	
			<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	7.61	
			<i>For &lt;12' Wide Pass, Add</i>	15.38	
			<i>For 24' Or Greater Wide Pass, Deduct</i>	-19.33	
			<i>For Air Entrainment, Add</i>	2.93	
			<i>For Slipforming, Deduct</i>	-9.67	
			<i>For Up To 100, Add</i>	34.57	
			<i>For &gt;100 To 250, Add</i>	20.21	
			<i>For &gt;250 To 500, Add</i>	10.11	
			<i>For &gt;1,000 To 2,000, Deduct</i>	-2.93	
			<i>For &gt;2,000 To 5,000, Deduct</i>	-5.35	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-7.76	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-10.18	
			<i>For &gt;20,000, Deduct</i>	-12.59	
32 13 13	33-0007	SY	8" 4,500 PSI Concrete Paving Assembly.....	110.00	
			<i>For 2,500 PSI Concrete, Deduct</i>	-7.39	
			<i>For 3,000 PSI Concrete, Deduct</i>	-4.82	
			<i>For 3,500 PSI Concrete, Deduct</i>	-3.86	
			<i>For 4,000 PSI Concrete, Deduct</i>	-1.67	
			<i>For 5,000 PSI Concrete, Add</i>	1.03	
			<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	8.36	
			<i>For &lt;12' Wide Pass, Add</i>	17.86	
			<i>For 24' Or Greater Wide Pass, Deduct</i>	-22.00	
			<i>For Air Entrainment, Add</i>	3.21	
			<i>For Slipforming, Deduct</i>	-11.00	
			<i>For Up To 100, Add</i>	40.28	
			<i>For &gt;100 To 250, Add</i>	23.36	
			<i>For &gt;250 To 500, Add</i>	11.68	
			<i>For &gt;1,000 To 2,000, Deduct</i>	-3.21	
			<i>For &gt;2,000 To 5,000, Deduct</i>	-5.96	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-8.71	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-11.46	
			<i>For &gt;20,000, Deduct</i>	-14.21	
32 13 13	33-0008	SY	9" 4,500 PSI Concrete Paving Assembly.....	124.76	
			<i>For 2,500 PSI Concrete, Deduct</i>	-8.54	
			<i>For 3,000 PSI Concrete, Deduct</i>	-5.57	
			<i>For 3,500 PSI Concrete, Deduct</i>	-4.46	
			<i>For 4,000 PSI Concrete, Deduct</i>	-1.93	
			<i>For 5,000 PSI Concrete, Add</i>	1.19	
			<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	9.66	
			<i>For &lt;12' Wide Pass, Add</i>	20.05	
			<i>For 24' Or Greater Wide Pass, Deduct</i>	-24.95	
			<i>For Air Entrainment, Add</i>	3.71	
			<i>For Slipforming, Deduct</i>	-12.48	
			<i>For Up To 100, Add</i>	45.14	
			<i>For &gt;100 To 250, Add</i>	26.28	
			<i>For &gt;250 To 500, Add</i>	13.14	
			<i>For &gt;1,000 To 2,000, Deduct</i>	-3.71	
			<i>For &gt;2,000 To 5,000, Deduct</i>	-6.83	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-9.95	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-13.07	
			<i>For &gt;20,000, Deduct</i>	-16.19	
32 13 13	33-0009	SY	10" 4,500 PSI Concrete Paving Assembly.....	138.83	
			<i>For 2,500 PSI Concrete, Deduct</i>	-9.40	
			<i>For 3,000 PSI Concrete, Deduct</i>	-6.13	
			<i>For 3,500 PSI Concrete, Deduct</i>	-4.90	
			<i>For 4,000 PSI Concrete, Deduct</i>	-2.12	
			<i>For 5,000 PSI Concrete, Add</i>	1.31	
			<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	10.62	
			<i>For &lt;12' Wide Pass, Add</i>	22.45	
			<i>For 24' Or Greater Wide Pass, Deduct</i>	-27.77	
			<i>For Air Entrainment, Add</i>	4.09	
			<i>For Slipforming, Deduct</i>	-13.88	
			<i>For Up To 100, Add</i>	50.61	
			<i>For &gt;100 To 250, Add</i>	29.39	
			<i>For &gt;250 To 500, Add</i>	14.70	
			<i>For &gt;1,000 To 2,000, Deduct</i>	-4.09	
			<i>For &gt;2,000 To 5,000, Deduct</i>	-7.56	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-11.03	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-14.50	
			<i>For &gt;20,000, Deduct</i>	-17.97	



<b>Exterior Improvements</b>	<b>32</b>	<b>32</b>
Bases, Ballasts, and Paving	32 10	
Rigid Paving	32 13	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 13 13 33-0010 SY 12" 4,500 PSI Concrete Paving Assembly.....	165.31	
For 2,500 PSI Concrete, Deduct	-11.13	
For 3,000 PSI Concrete, Deduct	-7.26	
For 3,500 PSI Concrete, Deduct	-5.81	
For 4,000 PSI Concrete, Deduct	-2.52	
For 5,000 PSI Concrete, Add	1.55	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	12.58	
For <12' Wide Pass, Add	26.81	
For 24' Or Greater Wide Pass, Deduct	-33.06	
For Air Entrainment, Add	4.84	
For Slipforming, Deduct	-16.53	
For Up To 100, Add	60.48	
For >100 To 250, Add	35.08	
For >250 To 500, Add	17.54	
For >1,000 To 2,000, Deduct	-4.84	
For >2,000 To 5,000, Deduct	-8.97	
For >5,000 To 10,000, Deduct	-13.10	
For >10,000 To 20,000, Deduct	-17.24	
For >20,000, Deduct	-21.37	
32 13 13 33-0011 SY 15" 4,500 PSI Concrete Paving Assembly.....	209.81	
For 2,500 PSI Concrete, Deduct	-13.67	
For 3,000 PSI Concrete, Deduct	-8.91	
For 3,500 PSI Concrete, Deduct	-7.13	
For 4,000 PSI Concrete, Deduct	-3.09	
For 5,000 PSI Concrete, Add	1.90	
For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	15.45	
For <12' Wide Pass, Add	34.63	
For 24' Or Greater Wide Pass, Deduct	-41.96	
For Air Entrainment, Add	5.94	
For Slipforming, Deduct	-20.98	
For Up To 100, Add	78.35	
For >100 To 250, Add	45.12	
For >250 To 500, Add	22.56	
For >1,000 To 2,000, Deduct	-5.94	
For >2,000 To 5,000, Deduct	-11.19	
For >5,000 To 10,000, Deduct	-16.43	
For >10,000 To 20,000, Deduct	-21.68	
For >20,000, Deduct	-26.92	
<b>32 13 16 Decorative Concrete Paving (32 13)</b>		
<b>32 13 16 13 Patterned Concrete Paving (32 13 16)</b>		
See CSI section 32 17 26 00-0000 for tactile warning surfaces.		
32 13 16 13-0001 SF For Patterned (Tactile) Finish In Concrete Sidewalk.....	4.84	
<b>32 13 43 Pervious Concrete Paving (32 13)</b>		
<b>32 13 43 00-0001 Pervious Concrete Assemblies (32 13 43)</b>		
Note: Pervious concrete is a special concrete mix with high porosity that allows water to pass through it. For paving and sidewalks.		
32 13 43 00-0002 SF 6" Thick, 15-25% Porosity, Minimum 115 PCF, Pervious Concrete Paving.....	17.34	
Note: Includes filter fabric, concrete, curing, finish, and control joints. Excludes excavation, base, forms and expansion joints along existing.		
For >5,000 To 30,000, Deduct	-1.84	
For >30,000 To 100,000, Deduct	-3.34	
For >100,000, Deduct	-4.15	
32 13 43 00-0003 SF 9" Thick, 15-25% Porosity, Minimum 115 PCF, Pervious Concrete Paving.....	22.12	
Note: Includes filter fabric, concrete, curing, finish, and control joints. Excludes excavation, base, forms and expansion joints along existing.		
For >5,000 To 30,000, Deduct	-2.27	
For >30,000 To 100,000, Deduct	-4.06	
For >100,000, Deduct	-5.04	
<b>32 13 73 Concrete Paving Joint Sealants (32 13)</b>		
<b>32 13 73 13 Fuel-Resistant Concrete Paving Joint Sealants (32 13 73)</b>		
<b>32 13 73 13-0001 Concrete Pavement Joint And Crack Repair (32 13 73 13)</b>		
Note: Includes cutting joint, removal of existing material, sweeping and cleaning area.		
<b>32 13 73 13-0002 Silicone Concrete Pavement Joint And Crack Repair (32 13 73 13-0001)</b>		
32 13 73 13-0003 CLF 1/4" x 1/4" Joint, Silicone Concrete Pavement Joint And Crack Repair.....	584.86	
For Custom Match Coloring, Add	20.94	
For 1 Part Mildew Resistant, Add	30.54	
For High-Modulus Non-Acid Curing, Add	17.45	
32 13 73 13-0004 CLF 1/4" x 3/8" Joint, Silicone Concrete Pavement Joint And Crack Repair.....	661.67	
For Custom Match Coloring, Add	31.41	
For 1 Part Mildew Resistant, Add	45.81	
For High-Modulus Non-Acid Curing, Add	26.18	
32 13 73 13-0005 CLF 1/4" x 1/2" Joint, Silicone Concrete Pavement Joint And Crack Repair.....	738.47	
For Custom Match Coloring, Add	41.88	
For 1 Part Mildew Resistant, Add	61.08	
For High-Modulus Non-Acid Curing, Add	34.90	

**32 Exterior Improvements****32 10 Bases, Ballasts, and Paving****32 13 Rigid Paving**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 13 73 13-0006 CLF 3/8" x 3/8" Joint, Silicone Concrete Pavement Joint And Crack Repair .....	760.29	
For Custom Match Coloring, Add	47.12	
For 1 Part Mildew Resistant, Add	68.71	
For High-Modulus Non-Acid Curing, Add	39.26	
32 13 73 13-0007 CLF 3/8" x 1/2" Joint, Silicone Concrete Pavement Joint And Crack Repair .....	842.31	
For Custom Match Coloring, Add	62.82	
For 1 Part Mildew Resistant, Add	91.62	
For High-Modulus Non-Acid Curing, Add	52.35	
32 13 73 13-0008 CLF 3/8" x 5/8" Joint, Silicone Concrete Pavement Joint And Crack Repair .....	924.34	
For Custom Match Coloring, Add	78.53	
For 1 Part Mildew Resistant, Add	114.52	
For High-Modulus Non-Acid Curing, Add	65.44	
32 13 73 13-0009 CLF 3/8" x 3/4" Joint, Silicone Concrete Pavement Joint And Crack Repair .....	1,022.96	
For Custom Match Coloring, Add	94.23	
For 1 Part Mildew Resistant, Add	137.42	
For High-Modulus Non-Acid Curing, Add	78.53	
32 13 73 13-0010 CLF 1/2" x 1/2" Joint, Silicone Concrete Pavement Joint And Crack Repair .....	946.15	
For Custom Match Coloring, Add	83.76	
For 1 Part Mildew Resistant, Add	122.15	
For High-Modulus Non-Acid Curing, Add	69.80	
32 13 73 13-0011 CLF 1/2" x 5/8" Joint, Silicone Concrete Pavement Joint And Crack Repair .....	1,099.76	
For Custom Match Coloring, Add	104.70	
For 1 Part Mildew Resistant, Add	152.69	
For High-Modulus Non-Acid Curing, Add	87.25	
32 13 73 13-0012 CLF 1/2" x 3/4" Joint, Silicone Concrete Pavement Joint And Crack Repair .....	1,220.17	
For Custom Match Coloring, Add	125.64	
For 1 Part Mildew Resistant, Add	183.23	
For High-Modulus Non-Acid Curing, Add	104.70	
32 13 73 13-0013 CLF 1/2" x 7/8" Joint, Silicone Concrete Pavement Joint And Crack Repair .....	1,340.61	
For Custom Match Coloring, Add	146.58	
For 1 Part Mildew Resistant, Add	213.77	
For High-Modulus Non-Acid Curing, Add	122.15	
32 13 73 13-0014 CLF 1/2" x 1" Joint, Silicone Concrete Pavement Joint And Crack Repair .....	1,444.45	
For Custom Match Coloring, Add	167.52	
For 1 Part Mildew Resistant, Add	244.31	
For High-Modulus Non-Acid Curing, Add	139.60	
32 13 73 13-0015 CLF 3/4" x 3/4" Joint, Silicone Concrete Pavement Joint And Crack Repair .....	1,548.28	
For Custom Match Coloring, Add	188.46	
For 1 Part Mildew Resistant, Add	274.84	
For High-Modulus Non-Acid Curing, Add	157.05	
32 13 73 13-0016 CLF 3/4" x 1" Joint, Silicone Concrete Pavement Joint And Crack Repair .....	1,886.85	
For Custom Match Coloring, Add	261.76	
For 1 Part Mildew Resistant, Add	381.73	
For High-Modulus Non-Acid Curing, Add	218.13	
32 13 73 13-0017 CLF 1" x 1" Joint, Silicone Concrete Pavement Joint And Crack Repair .....	2,225.41	
For Custom Match Coloring, Add	335.05	
For 1 Part Mildew Resistant, Add	488.61	
For High-Modulus Non-Acid Curing, Add	279.21	
<b>32 13 73 16 Field-Molded Concrete Paving Joint Sealants (32 13 73)</b>		
32 13 73 16-0001 Preformed Elastomeric Concrete Pavement Joint And Crack Repair (32 13 73 16)		
Note: Includes cutting joint, removal of existing material, sweeping and cleaning area.		
32 13 73 16-0002 LF Joint Sealing, Concrete Pavement Preformed Elastomeric .....	13.14	
<b>32 13 73 19 Compression Concrete Paving Joint Sealants (32 13 73)</b>		
32 13 73 19-0001 Silicone Joint Sealant For Concrete Pavement (32 13 73 19)		
Note: Installation includes high pressure water wash, sand blast, sweeping, cleaning area, backer rod and Dow Corning 888 silicone sealant. Demolition includes removal of existing material where saw cutting is not required. Excludes saw cutting.		
32 13 73 19-0002 LF 1/4" x 1/4" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement .....	10.61	2.45
32 13 73 19-0003 LF 3/8" x 1/4" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement .....	11.18	2.50
32 13 73 19-0004 LF 1/2" x 1/4" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement .....	11.92	2.55
32 13 73 19-0005 LF 3/4" x 3/8" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement .....	14.36	2.60
32 13 73 19-0006 LF 1" x 1/2" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement .....	17.02	2.66
32 13 73 19-0007 LF 1-1/2" x 1/2" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement .....	21.64	2.71
32 13 73 19-0008 LF 2" x 1/2" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement .....	31.05	2.77
<b>32 14 Unit Paving (32 10)</b>		
<b>32 14 09 Paver Restraints (32 14)</b>		
32 14 09 00-0001 Paver Restraints (32 14 09)		
Note: Paver restraints are used along the edge of a group of pavers as a locking border. Flexible or rigid sections. Includes stakes and connecting devices. Excludes pavers, bedding, excavation, base course and compaction.		
32 14 09 00-0002 LF Up To 2" Height, Vinyl Paver Restraint .....	4.95	1.05
For >1,000 To 2,000, Deduct	-0.72	
For >2,000 To 4,000, Deduct	-1.05	
For >4,000, Deduct	-1.34	





<b>Exterior Improvements</b>	<b>32</b>	<b>32</b>
<b>Bases, Ballasts, and Paving</b>	<b>32 10</b>	
<b>Unit Paving</b>	<b>32 14</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 14 09 00-0003 LF Up To 2" Height, Galvanized Steel Paver Restraint.....	5.39	1.05
For >500 To 1,000, Deduct	-0.19	
For >1,000 To 2,000, Deduct	-0.37	
For >2,000, Deduct	-0.56	
32 14 09 00-0004 LF Up To 1" Height, Aluminum Paver Restraint.....	5.17	1.05
For >250 To 500, Deduct	-0.35	
For >500 To 1,000, Deduct	-0.53	
For >1,000 To 1,500, Deduct	-0.88	
32 14 09 00-0005 LF >1" To 2" Height, Aluminum Paver Restraint.....	6.15	1.05
For >250 To 500, Deduct	-0.45	
For >500 To 1,000, Deduct	-0.67	
For >1,000 To 1,500, Deduct	-1.12	
32 14 09 00-0006 LF >2" To 3" Height, Aluminum Paver Restraint.....	8.03	1.05
For >250 To 500, Deduct	-0.64	
For >500 To 1,000, Deduct	-0.95	
For >1,000 To 1,500, Deduct	-1.59	
32 14 09 00-0007 LF >3" To 4" Height, Aluminum Paver Restraint.....	9.47	1.05
For >250 To 500, Deduct	-0.78	
For >500 To 1,000, Deduct	-1.17	
For >1,000 To 1,500, Deduct	-1.95	

**32 14 11 Bedding for Unit Paving (32 14)**

**32 14 11 00-0001 Bedding For Brick, Precast Concrete Paver And Stone Sidewalk (32 14 11)**

Note: Includes delivery up to 15 miles from the closest approved source, the cost for loading, and dumping. See CSI section 01 74 19 00-0055 for hauling greater than 15 miles.

32 14 11 00-0002 SF 1" To 2" Sand Bedding, Screeded.....	1.03	
For Up To 100, Add	0.46	
For >100 To 500, Add	0.13	
For >1,000 To 5,000, Deduct	-0.08	
For >5,000, Deduct	-0.13	
32 14 11 00-0003 SF 1" To 2" Stone Dust Bedding, Screeded.....	1.23	
For Up To 100, Add	0.51	
For >100 To 500, Add	0.14	
For >1,000 To 5,000, Deduct	-0.08	
For >5,000, Deduct	-0.13	
32 14 11 00-0004 SF 3" Stone Dust Bedding, Screeded.....	1.59	
For Up To 100, Add	0.63	
For >100 To 500, Add	0.17	
For >1,000 To 5,000, Deduct	-0.09	
For >5,000, Deduct	-0.16	
32 14 11 00-0005 SF 4" Stone Dust Bedding, Screeded.....	2.02	
For Up To 100, Add	0.79	
For >100 To 500, Add	0.22	
For >1,000 To 5,000, Deduct	-0.11	
For >5,000, Deduct	-0.20	
32 14 11 00-0006 SF 1" Mortar Bedding.....	3.30	
For Up To 100, Add	1.47	
For >100 To 500, Add	0.42	
For >1,000 To 5,000, Deduct	-0.26	
For >5,000, Deduct	-0.41	
32 14 11 00-0007 SF 2" Mortar Bedding.....	4.90	
For Up To 100, Add	2.08	
For >100 To 500, Add	0.59	
For >1,000 To 5,000, Deduct	-0.34	
For >5,000, Deduct	-0.56	
32 14 11 00-0008 SF Thin-Set Latex Portland Cement Mortar.....	1.61	
For Up To 100, Add	0.75	
For >100 To 500, Add	0.22	
For >1,000 To 5,000, Deduct	-0.14	
For >5,000, Deduct	-0.21	

**32 14 13 Precast Concrete Unit Paving (32 14)**

**32 14 13 16 Precast Concrete Unit Paving Slabs (32 14 13)**

**32 14 13 16-0001 Precast Concrete Paver Sidewalk (32 14 13 16)**

Note: Square, rectangular, or interlocking pervious pavers. Includes sand joints and all finishes. Excludes bedding, excavation, base course and compaction. See CSI section 31 23 16 00-0000 for excavation, 32 11 23 16-0001 for base course, 32 14 11 00-0001 for bedding.

32 14 13 16-0002 SF 2-3/8" Thick, Up To 32 SI Precast Concrete Paver.....	12.38	3.21
Note: Includes 2-1/2" x 5", 4" x 4", 4" x 6", 5" x 5", 4" x 8" and other similar size pavers.		
For 2-3/4" Concrete Paver, Add	1.21	
For 3-1/8" Concrete Paver, Add	1.97	
For Cement/Sand Mix Or Polymeric Sand Joints, Add	0.94	
For Up To 100, Add	4.70	
For >100 To 500, Add	1.26	
For >1,000 To 5,000, Deduct	-0.64	
For >5,000, Deduct	-1.14	

**32 Exterior Improvements****32 10 Bases, Ballasts, and Paving****32 14 Unit Paving**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 14 13 16-0003 SF 2-3/8" Thick, >32 to 64 SI Precast Concrete Paver .....	11.80	2.92
Note: Includes 5" x 7", 6" x 6", 8" x 8" and other similar size pavers.		
For 2-3/4" Concrete Paver, Add	1.19	
For 3-1/8" Concrete Paver, Add	1.93	
For Cement/Sand Mix Or Polymeric Sand Joints, Add	0.88	
For Up To 100, Add	4.41	
For >100 To 500, Add	1.18	
For >1,000 To 5,000, Deduct	-0.59	
For >5,000, Deduct	-1.06	
32 14 13 16-0004 SF 2-3/8" Thick, >64 to 144 SI Precast Concrete Paver.....	11.26	2.32
Note: Includes 6" x 12", 12" x 12" and other similar size pavers.		
For 2-3/4" Concrete Paver, Add	1.16	
For 3-1/8" Concrete Paver, Add	1.89	
For Cement/Sand Mix Or Polymeric Sand Joints, Add	0.83	
For Up To 100, Add	4.14	
For >100 To 500, Add	1.09	
For >1,000 To 5,000, Deduct	-0.53	
For >5,000, Deduct	-0.98	
32 14 13 16-0005 SF 2-3/8" Thick, >144 SI Precast Concrete Paver .....	10.78	2.41
Note: Includes 16" x 16", 12" x 24", 18" x 18", 24" x 24", 24" x 36", 36" x 36" and other similar size pavers.		
For 2-3/4" Concrete Paver, Add	1.13	
For 3-1/8" Concrete Paver, Add	1.85	
For Cement/Sand Mix Or Polymeric Sand Joints, Add	0.78	
For Up To 100, Add	3.90	
For >100 To 500, Add	1.02	
For >1,000 To 5,000, Deduct	-0.48	
For >5,000, Deduct	-0.90	
32 14 13 16-0006 SF 2-3/8" Thick, Precast Concrete Paver, Combinations And Patterns .....	11.52	2.78
Note: Patterns made by combining pavers from two or more size groups.		
For 2-3/4" Concrete Paver, Add	1.17	
For 3-1/8" Concrete Paver, Add	1.91	
For Cement/Sand Mix Or Polymeric Sand Joints, Add	0.85	
For Up To 100, Add	4.27	
For >100 To 500, Add	1.13	
For >1,000 To 5,000, Deduct	-0.56	
For >5,000, Deduct	-1.01	
<b>32 14 13 19 Porous Precast Concrete Unit Paving (32 14 13)</b>		
32 14 13 19-0001 Turf Block (32 14 13 19)		
Note: Grass grid, open-cell unit paver, geoblock.		
32 14 13 19-0002 SF 3-1/8" Thick, Precast Concrete Turf Block .....	12.19	2.78
For Up To 100, Add	4.44	
For >100 To 500, Add	1.17	
For >1,000 To 5,000, Deduct	-0.56	
For >5,000, Deduct	-1.03	
<b>32 14 16 Brick Unit Paving (32 14)</b>		
32 14 16 00-0001 Brick Paver Sidewalk (32 14 16)		
Note: Includes sand joints. Excludes bedding, excavation, base course and compaction. See CSI section 31 23 16 00-0000 for excavation, 32 11 23 16-0001 for base course, 32 14 11 00-0001 for bedding.		
32 14 16 00-0002 SF 4" x 8" x 2-1/4" Brick Paver, Laid Flat .....	15.14	3.21
For 1-3/8" Thick Paver, Deduct	-3.37	
For 2-3/4" Thick Paver (Vehicular), Add	7.75	
For Cement/Sand Mix Or Polymeric Sand Joints, Add	1.08	
For Up To 100, Add	5.39	
For >100 To 500, Add	1.40	
For >1,000 To 5,000, Deduct	-0.64	
For >5,000, Deduct	-1.23	
32 14 16 00-0003 SF 4" x 8" x 2-1/4" Brick, Laid On Edge .....	22.79	3.66
For 1-3/8" Thick Paver, Deduct	-5.78	
For 2-3/4" Thick Paver (Vehicular), Add	13.57	
For Cement/Sand Mix Or Polymeric Sand Joints, Add	1.51	
For Up To 100, Add	7.53	
For >100 To 500, Add	1.87	
For >1,000 To 5,000, Deduct	-0.73	
For >5,000, Deduct	-1.56	
<b>32 14 33 Plastic Paving (32 14)</b>		
<b>32 14 33 13 Permeable Plastic Paving (32 14 33)</b>		
32 14 33 13-0001 Turf Block Plastic Paving (32 14 33 13)		
32 14 33 13-0002 SF 4" Thick Recycled Polyvinyl Chloride (PVC) Plastic Turf Block.....	18.71	2.78
For Up To 100, Add	6.07	
For >100 To 500, Add	1.49	
For >1,000 To 5,000, Deduct	-0.56	
For >5,000, Deduct	-1.23	
<b>32 14 40 Stone Paving (32 14)</b>		



<b>Exterior Improvements</b>	<b>32</b>	
<b>Bases, Ballasts, and Paving</b>	<b>32 10</b>	<b>32</b>
<b>Unit Paving</b>	<b>32 14</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**32 14 40 00-0001 Slate Paver Sidewalk** (32 14 40)

Note: Includes sand joints and all finishes. Excludes bedding, excavation, base course and compaction. See CSI section 31 23 16 00-0000 for excavation, 32 11 23 16-0001 for base course, 32 14 11 00-0001 for bedding.

32 14 40 00-0002	SF	1" Thick, Up to 54 SI Slate Paver .....	15.77	2.66
		Note: Includes 3" x 9", 6" x 6", 6" x 9" and other similar size pavers.		
		<i>For Cement/Sand Mix Or Polymeric Sand Joints, Add</i>	1.05	
		<i>For 1/4" Thick Paver, Deduct</i>	-8.02	
		<i>For 1/2" Thick Paver, Deduct</i>	-5.61	
		<i>For Up To 100, Add</i>	5.27	
		<i>For &gt;100 To 500, Add</i>	1.32	
		<i>For &gt;1,000 To 5,000, Deduct</i>	-0.53	
		<i>For &gt;5,000, Deduct</i>	-1.11	
32 14 40 00-0003	SF	1" Thick, >54 to 108 SI Slate Paver .....	15.29	2.41
		Note: Includes 6" x 12", 9" x 9", 6" x 18", 9" x 12" and other similar size pavers.		
		<i>For Cement/Sand Mix Or Polymeric Sand Joints, Add</i>	1.01	
		<i>For 1/4" Thick Paver, Deduct</i>	-7.90	
		<i>For 1/2" Thick Paver, Deduct</i>	-5.54	
		<i>For Up To 100, Add</i>	5.03	
		<i>For &gt;100 To 500, Add</i>	1.25	
		<i>For &gt;1,000 To 5,000, Deduct</i>	-0.48	
		<i>For &gt;5,000, Deduct</i>	-1.04	
32 14 40 00-0004	SF	1" Thick, >108 to 216 SI Slate Paver .....	14.45	1.99
		Note: Includes 12" x 12", 6" x 24", 9" x 18", 9" x 24", 12" x 18" and other similar size pavers.		
		<i>For Cement/Sand Mix Or Polymeric Sand Joints, Add</i>	0.92	
		<i>For 1/4" Thick Paver, Deduct</i>	-7.69	
		<i>For 1/2" Thick Paver, Deduct</i>	-5.41	
		<i>For Up To 100, Add</i>	4.61	
		<i>For &gt;100 To 500, Add</i>	1.12	
		<i>For &gt;1,000 To 5,000, Deduct</i>	-0.40	
		<i>For &gt;5,000, Deduct</i>	-0.91	
32 14 40 00-0005	SF	1" Thick, >216 SI Slate Paver .....	14.09	1.81
		Note: Includes 16" x 16", 12" x 24", 18" x 18", 24" x 24", 24" x 36", 36" x 36" and other similar size pavers.		
		<i>For Cement/Sand Mix Or Polymeric Sand Joints, Add</i>	0.89	
		<i>For 1/4" Thick Paver, Deduct</i>	-7.60	
		<i>For 1/2" Thick Paver, Deduct</i>	-5.36	
		<i>For Up To 100, Add</i>	4.43	
		<i>For &gt;100 To 500, Add</i>	1.07	
		<i>For &gt;1,000 To 5,000, Deduct</i>	-0.36	
		<i>For &gt;5,000, Deduct</i>	-0.86	
32 14 40 00-0006	SF	1" Thick, Slate Paver, Combinations And Patterns .....	14.83	2.19
		Note: Patterns made by combining pavers from two or more size groups.		
		<i>For Cement/Sand Mix Or Polymeric Sand Joints, Add</i>	0.96	
		<i>For 1/4" Thick Paver, Deduct</i>	-7.79	
		<i>For 1/2" Thick Paver, Deduct</i>	-5.47	
		<i>For Up To 100, Add</i>	4.80	
		<i>For &gt;100 To 500, Add</i>	1.18	
		<i>For &gt;1,000 To 5,000, Deduct</i>	-0.44	
		<i>For &gt;5,000, Deduct</i>	-0.97	

**32 14 40 00-0007 Granite Paver Sidewalk** (32 14 40)

Note: Includes sand joints and all finishes. Excludes bedding, excavation, base course and compaction. See CSI section 31 23 16 00-0000 for excavation, 32 11 23 16-0001 for base course, 32 14 11 00-0001 for bedding.

32 14 40 00-0008	SF	1" Thick, Up to 54 SI Granite Paver .....	22.55	2.66
		Note: Includes 3" x 9", 6" x 6", 6" x 9" and other similar size pavers.		
		<i>For Cement/Sand Mix Or Polymeric Sand Joints, Add</i>	1.39	
		<i>For 2" Granite Paver, Add</i>	1.13	
		<i>For 3" Granite Paver, Add</i>	2.26	
		<i>For 4" Granite Paver, Add</i>	2.52	
		<i>For Up To 100, Add</i>	6.97	
		<i>For &gt;100 To 500, Add</i>	1.66	
		<i>For &gt;1,000 To 5,000, Deduct</i>	-0.53	
		<i>For &gt;5,000, Deduct</i>	-1.31	
32 14 40 00-0009	SF	1" Thick, >54 to 108 SI Granite Paver .....	22.07	2.41
		Note: Includes 6" x 12", 9" x 9", 6" x 18", 9" x 12" and other similar size pavers.		
		<i>For Cement/Sand Mix Or Polymeric Sand Joints, Add</i>	1.35	
		<i>For 2" Granite Paver, Add</i>	1.10	
		<i>For 3" Granite Paver, Add</i>	2.21	
		<i>For 4" Granite Paver, Add</i>	2.45	
		<i>For Up To 100, Add</i>	6.73	
		<i>For &gt;100 To 500, Add</i>	1.59	
		<i>For &gt;1,000 To 5,000, Deduct</i>	-0.48	
		<i>For &gt;5,000, Deduct</i>	-1.24	
32 14 40 00-0010	SF	1" Thick, >108 to 216 SI Granite Paver .....	21.23	1.99
		Note: Includes 12" x 12", 6" x 24", 9" x 18", 9" x 24", 12" x 18" and other similar size pavers.		
		<i>For Cement/Sand Mix Or Polymeric Sand Joints, Add</i>	1.26	
		<i>For 2" Granite Paver, Add</i>	1.06	
		<i>For 3" Granite Paver, Add</i>	2.12	
		<i>For 4" Granite Paver, Add</i>	2.32	
		<i>For Up To 100, Add</i>	6.31	
		<i>For &gt;100 To 500, Add</i>	1.46	
		<i>For &gt;1,000 To 5,000, Deduct</i>	-0.40	
		<i>For &gt;5,000, Deduct</i>	-1.12	

**32 Exterior Improvements**

**32 10 Bases, Ballasts, and Paving**

**32 14 Unit Paving**



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 14 40 00-0011 SF 1" Thick, >216 SI Granite Paver ..... Note: Includes 16" x 16", 12" x 24", 18" x 18", 24" x 24" and other similar size pavers. For Cement/Sand Mix Or Polymeric Sand Joints, Add For 2" Granite Paver, Add For 3" Granite Paver, Add For 4" Granite Paver, Add For Up To 100, Add For >100 To 500, Add For >1,000 To 5,000, Deduct For >5,000, Deduct	20.87 1.23 1.04 2.09 2.27 6.13 1.41 -0.36 -1.06	1.81
32 14 40 00-0012 SF 1" Thick, Granite Paver, Combinations And Patterns ..... Note: Patterns made by combining pavers from two or more size groups. For Cement/Sand Mix Or Polymeric Sand Joints, Add For 2" Granite Paver, Add For 3" Granite Paver, Add For 4" Granite Paver, Add For Up To 100, Add For >100 To 500, Add For >1,000 To 5,000, Deduct For >5,000, Deduct	21.61 1.30 1.08 2.16 2.38 6.50 1.52 -0.44 -1.17	2.19
<b>32 14 40 00-0013 Cobble Stone</b> (32 14 40) Note: Includes 6" thick 2,500 psi concrete mix with various colors of rounded 4" to 8" diameter cobble stones, half embedded in concrete.		
32 14 40 00-0014 SF 4" to 8" diameter cobble stones, various colors, Up To 500 SF ..... Note: Half embedded in minimum 6" thick 2500 psi concrete mix.	34.29	
32 14 40 00-0015 SF 4" to 8" diameter cobble stones, various colors, > 500 SF ..... Note: Half embedded in minimum 6" thick 2500 psi concrete mix.	27.00	
<b>32 15 Aggregate Surfacing</b> (32 10)		
<b>32 15 40 Crushed Stone Surfacing</b> (32 15) Note: Includes delivery up to 15 miles from supplier, placement, rolling and compaction water. See CSI section 01 74 19 00-0055 for hauling greater than 15 miles.		
32 15 40 00-0001 Gravel Surfacing And Spreading (32 15 40) Note: Includes delivered material, placement, rolling and compaction water.		
32 15 40 00-0002 CY Gravel Surfacing And Spreading .....	104.13	
32 15 40 00-0003 Limestone Screenings (32 15 40) Note: Includes delivered material, placement, rolling and compaction water. For trail maintenance.		
32 15 40 00-0004 CY Limestone Screenings For Trail .....	73.56	
32 15 40 00-0005 Decomposed Granite (32 15 40) Note: Includes delivered material, placement, rolling and compaction water.		
32 15 40 00-0006 SY 3" To 4" Thick Decomposed Granite Screenings With Stabilizer Pathway ..... Note: Placed in 2 lifts. For Additional 2" Lift For >45 To 180, Deduct For >180 To 450, Deduct For >450, Deduct	19.37 9.69 -1.29 -1.61 -1.94	
<b>32 16 Curbs, Gutters, Sidewalks, and Driveways</b> (32 10)		
<b>32 16 13 Curbs and Gutters</b> (32 16) Note: Includes transitions. Demolition Includes two saw cuts (each end) of curbs and gutters for lengths up to 100'. See CSI section 02 41 19 13-0057 for additional saw cuts within the 100'.		
<b>32 16 13 13 Cast-In-Place Concrete Curbs and Gutters</b> (32 16 13) Note: Includes concrete, forms, rebar (where required), rebar chairs (where necessary), expansion joints, finish and curing.		
<b>32 16 13 13-0001 Cast In Place Concrete Curbs Assemblies</b> (32 16 13 13) Note: Includes delivered concrete, forms, rebar, chairs (where necessary), expansion joints, finish and curing.		
32 16 13 13-0002 LF "B3" Cast In Place Concrete Curb .....	12.01	10.54
32 16 13 13-0003 LF "B3" Cast In Place Concrete Curb - Radius .....	13.64	12.12
32 16 13 13-0004 LF "B1" Cast In Place Concrete Curb .....	27.28	10.54
32 16 13 13-0005 LF "B1" Cast In Place Concrete Curb - Radius .....	31.20	11.59
32 16 13 13-0006 LF "A1-150" Cast In Place Concrete Curb .....	26.58	10.54
32 16 13 13-0007 LF "A1-150" Cast In Place Concrete Curb - Radius .....	30.40	11.59
32 16 13 13-0008 LF "A1-200" Cast In Place Concrete Curb .....	27.59	10.54
32 16 13 13-0009 LF "A1-200" Cast In Place Concrete Curb - Radius .....	31.55	11.59
32 16 13 13-0010 LF 6" x 12" Cast In Place Concrete Curb (Type A1-6) .....	20.79	10.54
For Mountable Curb, Add For Up To 20, Add For >20 To 50, Add For >50 To 100, Add For >500 To 1,000, Deduct For >1,000, Deduct	1.47 12.58 7.13 2.72 -2.72 -4.61	



<b>Exterior Improvements</b>		<b>32</b>
<b>Bases, Ballasts, and Paving</b>		<b>32 10</b>
<b>Curbs, Gutters, Sidewalks, and Driveways</b>		<b>32 16</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 16 13 13-0011 LF 6" x 12" Cast In Place Concrete Curb - Radius (Type A1-6).....	23.82	12.12
For Mountable Curb, Add	1.71	
For Up To 20, Add	14.51	
For >20 To 50, Add	8.23	
For >50 To 100, Add	3.14	
For >500 To 1,000, Deduct	-3.14	
For >1,000, Deduct	-5.31	
32 16 13 13-0012 LF 6" x 14" Cast In Place Concrete Curb (Type A1-8).....	22.87	10.54
For Mountable Curb, Add	1.60	
For Up To 20, Add	13.79	
For >20 To 50, Add	7.82	
For >50 To 100, Add	2.99	
For >500 To 1,000, Deduct	-2.99	
For >1,000, Deduct	-5.05	
32 16 13 13-0013 LF 6" x 14" Cast In Place Concrete Curb - Radius (Type A1-8).....	26.22	12.12
For Mountable Curb, Add	1.86	
For Up To 20, Add	15.91	
For >20 To 50, Add	9.02	
For >50 To 100, Add	3.44	
For >500 To 1,000, Deduct	-3.44	
For >1,000, Deduct	-5.82	
32 16 13 13-0014 LF 6" x 16" Cast In Place Concrete Curb.....	25.21	10.54
For Mountable Curb, Add	1.72	
For Up To 20, Add	15.05	
For >20 To 50, Add	8.52	
For >50 To 100, Add	3.26	
For >500 To 1,000, Deduct	-3.26	
For >1,000, Deduct	-5.52	
32 16 13 13-0015 LF 6" x 16" Cast In Place Concrete Curb - Radius.....	28.80	15.80
For Mountable Curb, Add	2.01	
For Up To 20, Add	17.35	
For >20 To 50, Add	9.83	
For >50 To 100, Add	3.76	
For >500 To 1,000, Deduct	-3.76	
For >1,000, Deduct	-6.36	
32 16 13 13-0016 LF 6" x 18" Cast In Place Concrete Curb.....	27.08	10.54
For Mountable Curb, Add	1.81	
For Up To 20, Add	16.06	
For >20 To 50, Add	9.10	
For >50 To 100, Add	3.48	
For >500 To 1,000, Deduct	-3.48	
For >1,000, Deduct	-5.90	
32 16 13 13-0017 LF 6" x 18" Cast In Place Concrete Curb - Radius.....	30.60	12.12
For Mountable Curb, Add	2.07	
For Up To 20, Add	18.24	
For >20 To 50, Add	10.33	
For >50 To 100, Add	3.95	
For >500 To 1,000, Deduct	-3.95	
For >1,000, Deduct	-6.69	
32 16 13 13-0018 LF 6" x 24" Cast In Place Concrete Curb.....	31.22	11.59
For Mountable Curb, Add	1.91	
For Up To 20, Add	17.95	
For >20 To 50, Add	10.15	
For >50 To 100, Add	3.90	
For >500 To 1,000, Deduct	-3.90	
For >1,000, Deduct	-6.64	
32 16 13 13-0019 LF 6" x 24" Cast In Place Concrete Curb - Radius.....	34.92	13.16
For Mountable Curb, Add	2.16	
For Up To 20, Add	20.15	
For >20 To 50, Add	11.39	
For >50 To 100, Add	4.38	
For >500 To 1,000, Deduct	-4.38	
For >1,000, Deduct	-7.44	
32 16 13 13-0020 LF 12" x 24" Cast In Place Concrete Curb.....	41.19	13.16
For Mountable Curb, Add	1.82	
For Up To 20, Add	21.41	
For >20 To 50, Add	12.02	
For >50 To 100, Add	4.69	
For >500 To 1,000, Deduct	-4.69	
For >1,000, Deduct	-8.07	
32 16 13 13-0021 LF 12" x 24" Cast In Place Concrete Curb - Radius.....	45.84	14.74
For Mountable Curb, Add	2.05	
For Up To 20, Add	23.92	
For >20 To 50, Add	13.43	
For >50 To 100, Add	5.24	
For >500 To 1,000, Deduct	-5.24	
For >1,000, Deduct	-9.01	
32 16 13 13-0022 EA Additional Finish For Handicap Drop Section In Curb.....	79.00	

**32 16 13 13-0023**

**Cast In Place Concrete Curb And Gutter Assemblies** (32 16 13 13)

Note: Includes concrete, forms, rebar, chairs (where necessary), transitions, expansion joints, finish and curing.

**32 Exterior Improvements**

**32 10 Bases, Ballasts, and Paving**

**32 16 Curbs, Gutters, Sidewalks, and Driveways**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 16 13	13-0024	LF	"A2-6 Modified" Concrete Curb And Gutter - Straight	30.14	12.66
			<i>For Up To 20, Add</i>	20.30	
			<i>For &gt;20 To 50, Add</i>	11.26	
			<i>For &gt;50 To 100, Add</i>	4.52	
			<i>For &gt;500 To 1,000, Deduct</i>	-3.72	
			<i>For &gt;1,000, Deduct</i>	-6.34	
			<i>For Mountable Or Rolled Curb And Gutter, Add</i>	1.78	
32 16 13	13-0025	LF	"A2-6 Modified" Concrete Curb And Gutter - Radius	33.38	12.66
			<i>For Up To 20, Add</i>	22.46	
			<i>For &gt;20 To 50, Add</i>	12.44	
			<i>For &gt;50 To 100, Add</i>	5.01	
			<i>For &gt;500 To 1,000, Deduct</i>	-4.10	
			<i>For &gt;1,000, Deduct</i>	-6.98	
			<i>For Mountable Or Rolled Curb And Gutter, Add</i>	1.93	
32 16 13	13-0026	LF	"A2-6" Concrete Curb And Gutter - Straight	39.78	16.88
			<i>For Up To 20, Add</i>	27.25	
			<i>For &gt;20 To 50, Add</i>	15.31	
			<i>For &gt;50 To 100, Add</i>	5.97	
			<i>For &gt;500 To 1,000, Deduct</i>	-5.37	
			<i>For &gt;1,000, Deduct</i>	-9.04	
			<i>For Mountable Or Rolled Curb And Gutter, Add</i>	3.05	
32 16 13	13-0027	LF	"A2-6" Concrete Curb And Gutter - Radius	51.38	19.00
			<i>For Up To 20, Add</i>	34.63	
			<i>For &gt;20 To 50, Add</i>	19.21	
			<i>For &gt;50 To 100, Add</i>	7.71	
			<i>For &gt;500 To 1,000, Deduct</i>	-6.37	
			<i>For &gt;1,000, Deduct</i>	-10.83	
			<i>For Mountable Or Rolled Curb And Gutter, Add</i>	3.06	
32 16 13	13-0028	LF	"B-2" Concrete Curb And Gutter - Straight	49.16	18.46
			<i>For Up To 20, Add</i>	33.19	
			<i>For &gt;20 To 50, Add</i>	18.44	
			<i>For &gt;50 To 100, Add</i>	7.37	
			<i>For &gt;500 To 1,000, Deduct</i>	-6.15	
			<i>For &gt;1,000, Deduct</i>	-10.46	
			<i>For Mountable Or Rolled Curb And Gutter, Add</i>	3.02	
32 16 13	13-0029	LF	"B-2" Concrete Curb And Gutter - Radius	51.00	18.46
			<i>For Up To 20, Add</i>	34.29	
			<i>For &gt;20 To 50, Add</i>	18.99	
			<i>For &gt;50 To 100, Add</i>	7.65	
			<i>For &gt;500 To 1,000, Deduct</i>	-6.24	
			<i>For &gt;1,000, Deduct</i>	-10.64	
			<i>For Mountable Or Rolled Curb And Gutter, Add</i>	2.92	
32 16 13	13-0030	LF	6" x 12" Cast In Place Concrete Gutter With 6" Curb And Face - Straight	28.46	12.66
			<i>For Up To 20, Add</i>	19.29	
			<i>For &gt;20 To 50, Add</i>	10.75	
			<i>For &gt;50 To 100, Add</i>	4.27	
			<i>For &gt;500 To 1,000, Deduct</i>	-3.64	
			<i>For &gt;1,000, Deduct</i>	-6.17	
			<i>For Mountable Or Rolled Curb And Gutter, Add</i>	1.87	
32 16 13	13-0031	LF	6" x 12" Cast In Place Concrete Gutter With 6" Curb And Face - Radius	31.03	16.88
			<i>For Up To 20, Add</i>	21.05	
			<i>For &gt;20 To 50, Add</i>	11.74	
			<i>For &gt;50 To 100, Add</i>	4.65	
			<i>For &gt;500 To 1,000, Deduct</i>	-3.98	
			<i>For &gt;1,000, Deduct</i>	-6.74	
			<i>For Mountable Or Rolled Curb And Gutter, Add</i>	2.06	
32 16 13	13-0032	LF	6" x 18" Cast In Place Concrete Gutter With 6" Curb And Face - Straight	36.20	14.03
			<i>For Up To 20, Add</i>	24.52	
			<i>For &gt;20 To 50, Add</i>	13.66	
			<i>For &gt;50 To 100, Add</i>	5.43	
			<i>For &gt;500 To 1,000, Deduct</i>	-4.61	
			<i>For &gt;1,000, Deduct</i>	-7.81	
			<i>For Mountable Or Rolled Curb And Gutter, Add</i>	2.34	
32 16 13	13-0033	LF	6" x 18" Cast In Place Concrete Gutter With 6" Curb And Face - Radius	39.99	15.62
			<i>For Up To 20, Add</i>	27.11	
			<i>For &gt;20 To 50, Add</i>	15.11	
			<i>For &gt;50 To 100, Add</i>	6.00	
			<i>For &gt;500 To 1,000, Deduct</i>	-5.11	
			<i>For &gt;1,000, Deduct</i>	-8.67	
			<i>For Mountable Or Rolled Curb And Gutter, Add</i>	2.63	
32 16 13	13-0034	LF	6" x 24" Cast In Place Concrete Gutter With 6" Curb And Face - Straight (Type A3-6)	43.94	16.88
			<i>For Up To 20, Add</i>	29.74	
			<i>For &gt;20 To 50, Add</i>	16.56	
			<i>For &gt;50 To 100, Add</i>	6.59	
			<i>For &gt;500 To 1,000, Deduct</i>	-5.57	
			<i>For &gt;1,000, Deduct</i>	-9.46	
			<i>For Mountable Or Rolled Curb And Gutter, Add</i>	2.82	
32 16 13	13-0035	LF	6" x 24" Cast In Place Concrete Gutter With 6" Curb And Face - Radius (Type A3-6)	48.92	19.00
			<i>For Up To 20, Add</i>	33.15	
			<i>For &gt;20 To 50, Add</i>	18.47	
			<i>For &gt;50 To 100, Add</i>	7.34	
			<i>For &gt;500 To 1,000, Deduct</i>	-6.24	
			<i>For &gt;1,000, Deduct</i>	-10.59	
			<i>For Mountable Or Rolled Curb And Gutter, Add</i>	3.19	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 16 13 13-0036 LF 6" x 30" Cast In Place Concrete Gutter With 6" Curb And Face - Straight.....	52.22	20.05
<i>For Up To 20, Add</i>	35.34	
<i>For &gt;20 To 50, Add</i>	19.68	
<i>For &gt;50 To 100, Add</i>	7.83	
<i>For &gt;500 To 1,000, Deduct</i>	-6.62	
<i>For &gt;1,000, Deduct</i>	-11.24	
<i>For Mountable Or Rolled Curb And Gutter, Add</i>	3.34	
32 16 13 13-0037 LF 6" x 30" Cast In Place Concrete Gutter With 6" Curb And Face - Radius.....	57.36	22.16
<i>For Up To 20, Add</i>	38.85	
<i>For &gt;20 To 50, Add</i>	21.64	
<i>For &gt;50 To 100, Add</i>	8.60	
<i>For &gt;500 To 1,000, Deduct</i>	-7.30	
<i>For &gt;1,000, Deduct</i>	-12.38	
<i>For Mountable Or Rolled Curb And Gutter, Add</i>	3.71	
32 16 13 13-0038 LF 6" x 36" Cast In Place Concrete Gutter With 6" Curb And Face - Straight.....	60.48	23.21
<i>For Up To 20, Add</i>	40.93	
<i>For &gt;20 To 50, Add</i>	22.79	
<i>For &gt;50 To 100, Add</i>	9.07	
<i>For &gt;500 To 1,000, Deduct</i>	-7.67	
<i>For &gt;1,000, Deduct</i>	-13.01	
<i>For Mountable Or Rolled Curb And Gutter, Add</i>	3.87	
32 16 13 13-0039 LF 6" x 36" Cast In Place Concrete Gutter With 6" Curb And Face - Radius.....	65.79	25.33
<i>For Up To 20, Add</i>	44.54	
<i>For &gt;20 To 50, Add</i>	24.80	
<i>For &gt;50 To 100, Add</i>	9.87	
<i>For &gt;500 To 1,000, Deduct</i>	-8.35	
<i>For &gt;1,000, Deduct</i>	-14.18	
<i>For Mountable Or Rolled Curb And Gutter, Add</i>	4.23	
32 16 13 13-0040 LF 6" x 42" Cast In Place Concrete Gutter With 6" Curb And Face - Straight.....	68.75	26.38
<i>For Up To 20, Add</i>	46.53	
<i>For &gt;20 To 50, Add</i>	25.90	
<i>For &gt;50 To 100, Add</i>	10.31	
<i>For &gt;500 To 1,000, Deduct</i>	-8.71	
<i>For &gt;1,000, Deduct</i>	-14.79	
<i>For Mountable Or Rolled Curb And Gutter, Add</i>	4.40	
32 16 13 13-0041 LF 6" x 42" Cast In Place Concrete Gutter With 6" Curb And Face - Radius.....	76.33	29.54
<i>For Up To 20, Add</i>	51.71	
<i>For &gt;20 To 50, Add</i>	28.81	
<i>For &gt;50 To 100, Add</i>	11.45	
<i>For &gt;500 To 1,000, Deduct</i>	-9.73	
<i>For &gt;1,000, Deduct</i>	-16.50	
<i>For Mountable Or Rolled Curb And Gutter, Add</i>	4.96	

**32 16 13 14 Machine Formed, Slip Form Curbs** (32 16 13)

Note: Includes delivered concrete, steel, expansion joints and finish.

32 16 13 14-0001	EA	Curbs, Machine Formed, Slip Form <small>(32 16 13 14)</small>		
		Note: Includes delivered concrete, steel, expansion joints and finish.		
32 16 13 14-0002	EA	Machine Formed Concrete Curb Minimum Set-Up Charge (One Time Per Job).....	1,485.28	
		Note: For projects where the total curbing charge is less than the minimum set-up charge, use this task exclusively. This task shall not be used in conjunction with any other tasks in this section.		
32 16 13 14-0003	LF	6" x 12" Straight Concrete Curb, Machine Formed.....	14.26	
32 16 13 14-0004	LF	6" x 12" Curved Concrete Curb, Machine Formed.....	19.01	
32 16 13 14-0005	LF	6" x 18" Straight Concrete Curb, Machine Formed.....	18.90	
32 16 13 14-0006	LF	6" x 18" Curved Concrete Curb, Machine Formed.....	24.35	

**32 16 13 16 Steel Faced Curbs** (32 16 13)

Note: Fabrication includes handicap and other curb access cuts.

32 16 13 16-0001		Sidewalk/Curb Facing <small>(32 16 13 16)</small>		
		Note: Fabrication includes handicap and other curb access cuts.		
32 16 13 16-0002	LF	3" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center.....	16.53	5.19
		<i>For Curved Section, Add</i>	3.60	
32 16 13 16-0003	LF	4" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center.....	18.18	5.91
		<i>For Curved Section, Add</i>	4.04	
32 16 13 16-0004	LF	6" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center.....	24.55	6.62
		<i>For Curved Section, Add</i>	4.95	
32 16 13 16-0005	LF	8" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center.....	30.15	7.44
		<i>For Curved Section, Add</i>	5.79	
32 16 13 16-0006	LF	10" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center.....	36.91	8.15
		<i>For Curved Section, Add</i>	6.74	
32 16 13 16-0007	LF	12" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center.....	48.27	10.40
		<i>For Curved Section, Add</i>	8.71	
32 16 13 16-0008	LF	13" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center.....	55.61	13.47
		<i>For Curved Section, Add</i>	10.59	
32 16 13 16-0009	EA	Sidewalk/Curb Steel Facing, Pedestrian Ramps, Two Drops Per Section.....	174.29	
32 16 13 16-0010	EA	Pedestrian/Handicap Ramp, Complete.....	147.45	

**32 16 13 19 Cast-In-Place Concrete Drainage Ditches** (32 16 13)

Note: Includes concrete, forms, rebar (where required), rebar chairs (where necessary), expansion joints, finish and curing.

**32 Exterior Improvements**  
**32 10 Bases, Ballasts, and Paving**  
**32 16 Curbs, Gutters, Sidewalks, and Driveways**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 16 13 19-0001			<b>Valley Gutter, Cast In Place</b> <small>(32 16 13 19)</small> Note: Includes concrete, forms, rebar, expansion joints, finish and curing.		
32 16 13 19-0002	LF		2' Wide Cast In Place Concrete Valley Gutter, 6" Thick.....	23.77	
			For Up To 20, Add	10.50	
			For >20 To 50, Add	5.82	
			For >50 To 100, Add	2.34	
			For >500 To 1,000, Deduct	-2.34	
			For >1,000, Deduct	-4.10	
32 16 13 19-0003	LF		2-1/2' Wide Cast In Place Concrete Valley Gutter, 6" Thick.....	29.18	
			For Up To 20, Add	12.75	
			For >20 To 50, Add	7.07	
			For >50 To 100, Add	2.84	
			For >500 To 1,000, Deduct	-2.84	
			For >1,000, Deduct	-4.99	
32 16 13 19-0004	LF		3' Wide Cast In Place Concrete Valley Gutter, 6" Thick.....	34.55	
			For Up To 20, Add	14.98	
			For >20 To 50, Add	8.29	
			For >50 To 100, Add	3.34	
			For >500 To 1,000, Deduct	-3.34	
			For >1,000, Deduct	-5.87	
32 16 13 19-0005	LF		3-1/2' Wide Cast In Place Concrete Valley Gutter, 6" Thick.....	39.87	
			For Up To 20, Add	17.17	
			For >20 To 50, Add	9.50	
			For >50 To 100, Add	3.83	
			For >500 To 1,000, Deduct	-3.83	
			For >1,000, Deduct	-6.75	
32 16 13 19-0006	LF		4' Wide Cast In Place Concrete Valley Gutter, 6" Thick.....	45.21	
			For Up To 20, Add	19.37	
			For >20 To 50, Add	10.72	
			For >50 To 100, Add	4.33	
			For >500 To 1,000, Deduct	-4.33	
			For >1,000, Deduct	-7.62	
32 16 13 19-0007	LF		5' Wide Cast In Place Concrete Valley Gutter, 6" Thick.....	53.94	
			For Up To 20, Add	22.41	
			For >20 To 50, Add	12.37	
			For >50 To 100, Add	5.02	
			For >500 To 1,000, Deduct	-5.02	
			For >1,000, Deduct	-8.88	
32 16 13 19-0008	LF		6' Wide Cast In Place Concrete Valley Gutter, 6" Thick.....	62.36	
			For Up To 20, Add	25.24	
			For >20 To 50, Add	13.90	
			For >50 To 100, Add	5.67	
			For >500 To 1,000, Deduct	-5.67	
			For >1,000, Deduct	-10.07	
32 16 13 19-0009	SF		>6' Wide Cast In Place Concrete Valley Gutter, 6" Thick.....	10.39	
			For Up To 100, Add	4.20	
			For >100 To 250, Add	2.31	
			For >250 To 500, Add	0.94	
			For >2,500 To 5,000, Deduct	-0.94	
			For >5,000, Deduct	-1.68	
32 16 13 19-0010	LF		2' Wide Cast In Place Concrete Valley Gutter, 7" Thick.....	26.23	
			For Up To 20, Add	11.30	
			For >20 To 50, Add	6.25	
			For >50 To 100, Add	2.52	
			For >500 To 1,000, Deduct	-2.52	
			For >1,000, Deduct	-4.44	
32 16 13 19-0011	LF		2-1/2' Wide Cast In Place Concrete Valley Gutter, 7" Thick.....	32.42	
			For Up To 20, Add	13.86	
			For >20 To 50, Add	7.67	
			For >50 To 100, Add	3.10	
			For >500 To 1,000, Deduct	-3.10	
			For >1,000, Deduct	-5.46	
32 16 13 19-0012	LF		3' Wide Cast In Place Concrete Valley Gutter, 7" Thick.....	38.19	
			For Up To 20, Add	16.14	
			For >20 To 50, Add	8.92	
			For >50 To 100, Add	3.61	
			For >500 To 1,000, Deduct	-3.61	
			For >1,000, Deduct	-6.37	
32 16 13 19-0013	LF		3-1/2' Wide Cast In Place Concrete Valley Gutter, 7" Thick.....	44.13	
			For Up To 20, Add	18.53	
			For >20 To 50, Add	10.24	
			For >50 To 100, Add	4.15	
			For >500 To 1,000, Deduct	-4.15	
			For >1,000, Deduct	-7.32	
32 16 13 19-0014	LF		4' Wide Cast In Place Concrete Valley Gutter, 7" Thick.....	50.06	
			For Up To 20, Add	20.92	
			For >20 To 50, Add	11.55	
			For >50 To 100, Add	4.68	
			For >500 To 1,000, Deduct	-4.68	
			For >1,000, Deduct	-8.28	
32 16 13 19-0015	LF		5' Wide Cast In Place Concrete Valley Gutter, 7" Thick.....	59.85	
			For Up To 20, Add	24.24	
			For >20 To 50, Add	13.34	
			For >50 To 100, Add	5.45	
			For >500 To 1,000, Deduct	-5.45	
			For >1,000, Deduct	-9.66	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 16 13 19-0016 LF 6' Wide Cast In Place Concrete Valley Gutter, 7" Thick.....	69.33	
<i>For Up To 20, Add</i>	27.34	
<i>For &gt;20 To 50, Add</i>	15.02	
<i>For &gt;50 To 100, Add</i>	6.16	
<i>For &gt;500 To 1,000, Deduct</i>	-6.16	
<i>For &gt;1,000, Deduct</i>	-10.98	
32 16 13 19-0017 SF >6' Wide Cast In Place Concrete Valley Gutter, 7" Thick.....	11.55	
<i>For Up To 100, Add</i>	4.56	
<i>For &gt;100 To 250, Add</i>	2.50	
<i>For &gt;250 To 500, Add</i>	1.03	
<i>For &gt;2,500 To 5,000, Deduct</i>	-1.03	
<i>For &gt;5,000, Deduct</i>	-1.83	
32 16 13 19-0018 LF 2' Wide Cast In Place Concrete Valley Gutter, 8" Thick.....	26.31	
<i>For Up To 20, Add</i>	11.63	
<i>For &gt;20 To 50, Add</i>	6.45	
<i>For &gt;50 To 100, Add</i>	2.59	
<i>For &gt;500 To 1,000, Deduct</i>	-2.59	
<i>For &gt;1,000, Deduct</i>	-4.54	
32 16 13 19-0019 LF 2-1/2' Wide Cast In Place Concrete Valley Gutter, 8" Thick.....	32.32	
<i>For Up To 20, Add</i>	14.14	
<i>For &gt;20 To 50, Add</i>	7.84	
<i>For &gt;50 To 100, Add</i>	3.15	
<i>For &gt;500 To 1,000, Deduct</i>	-3.15	
<i>For &gt;1,000, Deduct</i>	-5.54	
32 16 13 19-0020 LF 3' Wide Cast In Place Concrete Valley Gutter, 8" Thick.....	38.24	
<i>For Up To 20, Add</i>	16.59	
<i>For &gt;20 To 50, Add</i>	9.19	
<i>For &gt;50 To 100, Add</i>	3.70	
<i>For &gt;500 To 1,000, Deduct</i>	-3.70	
<i>For &gt;1,000, Deduct</i>	-6.51	
32 16 13 19-0021 LF 3-1/2' Wide Cast In Place Concrete Valley Gutter, 8" Thick.....	44.17	
<i>For Up To 20, Add</i>	19.05	
<i>For &gt;20 To 50, Add</i>	10.55	
<i>For &gt;50 To 100, Add</i>	4.25	
<i>For &gt;500 To 1,000, Deduct</i>	-4.25	
<i>For &gt;1,000, Deduct</i>	-7.48	
32 16 13 19-0022 LF 4' Wide Cast In Place Concrete Valley Gutter, 8" Thick.....	50.10	
<i>For Up To 20, Add</i>	21.51	
<i>For &gt;20 To 50, Add</i>	11.90	
<i>For &gt;50 To 100, Add</i>	4.80	
<i>For &gt;500 To 1,000, Deduct</i>	-4.80	
<i>For &gt;1,000, Deduct</i>	-8.46	
32 16 13 19-0023 LF 5' Wide Cast In Place Concrete Valley Gutter, 8" Thick.....	59.75	
32 16 13 19-0024 LF 6' Wide Cast In Place Concrete Valley Gutter, 8" Thick.....	69.07	
32 16 13 19-0025 SF >6' Wide Cast In Place Concrete Valley Gutter, 8" Thick.....	11.51	
<i>For Up To 100, Add</i>	4.67	
<i>For &gt;100 To 250, Add</i>	2.57	
<i>For &gt;250 To 500, Add</i>	1.05	
<i>For &gt;2,500 To 5,000, Deduct</i>	-1.05	
<i>For &gt;5,000, Deduct</i>	-1.86	

**32 16 13 23 Precast Concrete Curbs and Gutters** (32 16 13)

<b>32 16 13 23-0001 Precast Concrete Curb</b> <small>(32 16 13 23)</small>		
32 16 13 23-0002 LF 6" x 18" Precast Concrete Curb.....	45.75	9.81
32 16 13 23-0003 LF 6" x 18" Precast Concrete Curb, Radius.....	54.90	11.29
32 16 13 23-0004 LF 6" x 20" Precast Concrete Curb.....	48.73	9.81
32 16 13 23-0005 LF 6" x 20" Precast Concrete Curb, Radius.....	58.85	11.29
32 16 13 23-0006 LF 7" x 18" Precast Concrete Curb.....	50.09	9.81
32 16 13 23-0007 LF 7" x 18" Precast Concrete Curb, Radius.....	60.42	11.29
32 16 13 23-0008 LF 7" x 20" Precast Concrete Curb.....	53.48	9.81
32 16 13 23-0009 LF 7" x 20" Precast Concrete Curb, Radius.....	64.71	11.29

**32 16 13 33 Asphalt Curbs** (32 16 13)

<b>32 16 13 33-0001 Asphalt Curbs</b> <small>(32 16 13 33)</small>		
32 16 13 33-0002 LF 6" Wide x 6" High Asphalt Curb 64 LF/TON, Bituminous, Plain.....	12.92	5.32
32 16 13 33-0003 LF 8" Wide x 6" High Asphalt Curb 50 LF/TON, Bituminous, Plain.....	14.55	5.91
32 16 13 33-0004 LF 8" Wide x 8" High Asphalt Curb 44 LF/TON, Bituminous, Plain.....	16.04	6.50

**32 16 13 43 Stone Curbs** (32 16 13)

<b>32 16 13 43-0001 Remove And Reset Stone And Precast Curbing</b> <small>(32 16 13 43)</small>		
Note: Includes storage and cleaning.		
32 16 13 43-0002 LF Removal And Resetting Of Stone Or Precast Curbing.....	36.04	
Note: Includes storage and cleaning.		

**32 16 23 Sidewalks** (32 16)

**32 Exterior Improvements**  
**32 10 Bases, Ballasts, and Paving**  
**32 16 Curbs, Gutters, Sidewalks, and Driveways**



MINOR  
 CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

**32 16 23 00-0001 Cast In Place Concrete Sidewalk Assemblies** (32 16 23)

Note: Includes finish grading, delivered concrete (up to 3500 PSI) by chute, formwork, 1/4" radius joints and edges, polyethylene sheeting, control joints, expansion joints, screed, broom finish, and curing. Excludes excavation, base, base compaction and welded wire reinforcement. For bar or fiber reinforcing, add bar or fiber reinforcing tasks. See CSI section 02 41 13 13-0000 for sidewalk removal, 03 05 13 00-0001 for color additive, 03 21 00 00-0000 for reinforcing steel, 03 31 13 00-0079 for buggies, 03 31 13 00-0086 for small quantity purchases, 03 37 16 00-0001 for pumping with boom truck, 31 23 16 36-0000 for excavation, 32 11 23 16-0001 for base course.

32 16 23 00-0002	SF	4" Cast In Place Concrete Sidewalk	9.29
		<i>For Up To 100, Add</i>	3.92
		<i>For &gt;100 To 500, Add</i>	1.10
		<i>For &gt;1,000 To 5,000, Deduct</i>	-0.64
		<i>For &gt;5,000, Deduct</i>	-1.42
		<i>For Welded Wire Reinforcement, Add</i>	0.94
32 16 23 00-0003	SF	5" Cast In Place Concrete Sidewalk	10.18
		<i>For Up To 100, Add</i>	4.20
		<i>For &gt;100 To 500, Add</i>	1.17
		<i>For &gt;1,000 To 5,000, Deduct</i>	-0.66
		<i>For &gt;5,000, Deduct</i>	-1.50
		<i>For Welded Wire Reinforcement, Add</i>	0.94
32 16 23 00-0004	SF	6" Cast In Place Concrete Sidewalk	11.08
		<i>For Up To 100, Add</i>	4.49
		<i>For &gt;100 To 500, Add</i>	1.24
		<i>For &gt;1,000 To 5,000, Deduct</i>	-0.69
		<i>For &gt;5,000, Deduct</i>	-1.58
		<i>For Welded Wire Reinforcement, Add</i>	0.94
32 16 23 00-0005	SF	7" Cast In Place Concrete Sidewalk	12.88
		<i>For Up To 100, Add</i>	5.16
		<i>For &gt;100 To 500, Add</i>	1.42
		<i>For &gt;1,000 To 5,000, Deduct</i>	-0.78
		<i>For &gt;5,000, Deduct</i>	-1.81
		<i>For Welded Wire Reinforcement, Add</i>	0.94
32 16 23 00-0006	SF	8" Cast In Place Concrete Sidewalk	13.68
		<i>For Up To 100, Add</i>	5.40
		<i>For &gt;100 To 500, Add</i>	1.48
		<i>For &gt;1,000 To 5,000, Deduct</i>	-0.79
		<i>For &gt;5,000, Deduct</i>	-1.87
		<i>For Welded Wire Reinforcement, Add</i>	0.94
32 16 23 00-0007	SF	For Exposed Aggregate Finish In Sidewalk	2.42
32 16 23 00-0008	EA	Finish Concrete Handicap Drop Section In Sidewalk Note: Excludes patterned (tactile) finish.	145.33
32 16 23 00-0009	LF	For Hand Trowel Finish At Sidewalk Edges (Picture Frame)	2.42

**32 16 23 00-0010 Bituminous Sidewalk Assemblies** (32 16 23)

Note: Includes finish grading, delivered asphalt, formwork, control joints, expansion joints, and compaction. Excludes excavation, base, and base compaction. See CSI section 31 00 00 00-0000 for excavation, 31 23 16 00-0000 for excavation, 32 11 23 16-0001 for base course.

32 16 23 00-0011	SY	1" Bituminous Sidewalk	9.21
		<i>For Up To 100, Add</i>	3.44
		<i>For &gt;100 To 500, Add</i>	0.92
		<i>For &gt;1,000 To 5,000, Deduct</i>	-0.46
		<i>For &gt;5,000, Deduct</i>	-0.92
32 16 23 00-0012	SY	1-1/2" Bituminous Sidewalk	11.57
		<i>For Up To 100, Add</i>	4.26
		<i>For &gt;100 To 500, Add</i>	1.13
		<i>For &gt;1,000 To 5,000, Deduct</i>	-0.55
		<i>For &gt;5,000, Deduct</i>	-1.13
32 16 23 00-0013	SY	2" Bituminous Sidewalk	16.07
		<i>For Up To 100, Add</i>	5.72
		<i>For &gt;100 To 500, Add</i>	1.48
		<i>For &gt;1,000 To 5,000, Deduct</i>	-0.68
		<i>For &gt;5,000, Deduct</i>	-1.48
32 16 23 00-0014	SY	2-1/2" Bituminous Sidewalk	20.09
		<i>For Up To 100, Add</i>	7.13
		<i>For &gt;100 To 500, Add</i>	1.85
		<i>For &gt;1,000 To 5,000, Deduct</i>	-0.84
		<i>For &gt;5,000, Deduct</i>	-1.85
32 16 23 00-0015	SY	3" Bituminous Sidewalk	23.13
		<i>For Up To 100, Add</i>	8.06
		<i>For &gt;100 To 500, Add</i>	2.07
		<i>For &gt;1,000 To 5,000, Deduct</i>	-0.91
		<i>For &gt;5,000, Deduct</i>	-2.07
32 16 23 00-0016	SY	3-1/2" Bituminous Sidewalk	26.74
		<i>For Up To 100, Add</i>	9.20
		<i>For &gt;100 To 500, Add</i>	2.34
		<i>For &gt;1,000 To 5,000, Deduct</i>	-1.00
		<i>For &gt;5,000, Deduct</i>	-2.34

**32 16 43 Asphalt Dike** (32 16)

**32 16 43 00-0001 Asphalt Dike** (32 16 43)

32 16 43 00-0002	LF	Type A, Asphalt Dike, 11" Base, 5" Top, 6" Height	6.86
32 16 43 00-0003	LF	Type B, Asphalt Dike, 13" Base, 5" Top, 8" Height	9.41



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 16 43 00-0004 LF Type C-6, Asphalt Dike, 18" Base, 6" Top, 6" Height.....	9.41	
32 16 43 00-0005 LF Type C-8, Asphalt Dike, 22" Base, 6" Top, 8" Height.....	13.45	
32 16 43 00-0006 LF Type C-9, Asphalt Dike, 24" Base, 6" Top, 9" Height.....	15.93	
32 16 43 00-0007 LF Type D, Asphalt Dike, 8" Base, 4" Top, 2" Height.....	3.64	
32 16 43 00-0008 LF Type E, Mountable Asphalt Dike, 16" Base, 12" Top, 2" Height Front, 6" Height Back.....	9.76	
32 16 43 00-0009 LF Type F, Mountable Asphalt Dike, 26" Base, 20" Top, 2" Height Front, 8" Height Back.....	15.07	
32 16 43 00-0010 LF CALTRANS Type A, Asphalt Dike, 11" Base, 5" Top, 6" Height.....	6.86	
32 16 43 00-0011 LF CALTRANS Type C, Asphalt Dike, 8" Base, 4" Top, 2" Height.....	3.64	
32 16 43 00-0012 LF CALTRANS Type D, Mountable Asphalt Dike, 26" Base, 20" Top, 2" Height Front, 8" Height Back.....	15.07	
32 16 43 00-0013 LF CALTRANS Type E, Mountable Asphalt Dike, 16" Base, 12" Top, 2" Height Front, 6" Height Back.....	9.76	
32 16 43 00-0014 LF CALTRANS Type F, Asphalt Dike, 8" Base, 4" Top, 4" Height.....	5.31	

**32 17 Paving Specialties (32 10)**

**32 17 13 Parking Bumpers (32 17)**

Note: Includes dowels set.

**32 17 13 16 Plastic Parking Bumpers (32 17 13)**

32 17 13 16-0001 EA 4" x 6" x 4' Recycled Plastic Wheel Stop.....	187.52	6.89
32 17 13 16-0002 EA 4" x 6" x 6' Recycled Plastic Wheel Stop.....	212.64	6.89

**32 17 13 19 Precast Concrete Parking Bumpers (32 17 13)**

32 17 13 19-0001 EA 6" x 8" x 4' Precast Concrete Wheel Stop With Dowels.....	67.67	20.74
32 17 13 19-0002 EA 6" x 6" x 6' Precast Concrete Wheel Stop With Dowels.....	77.57	20.74
32 17 13 19-0003 EA 6" x 8" x 6' Precast Concrete Wheel Stop With Dowels.....	80.57	20.74
32 17 13 19-0004 EA 6" x 10" x 6' Precast Concrete Wheel Stop With Dowels.....	84.44	20.74
32 17 13 19-0005 EA 4-7/8" x 7-5/8" x 6' Precast Concrete Wheel Stop With Dowels.....	78.69	20.74
32 17 13 19-0006 EA 8" x 13" x 6' Precast Concrete Wheel Stop With Dowels.....	100.02	20.74
32 17 13 19-0007 EA 8" x 12" x 8' Precast Concrete Wheel Stop With Dowels.....	128.19	22.40
32 17 13 19-0008 EA Removal And Relocation Of Precast Concrete Wheel Stop.....	33.19	
32 17 13 19-0009 EA Removal And Relocation Of Plastic Or Wood Wheel Stop.....	21.58	
32 17 13 19-0010 EA 7.625" x 7.625" x 6' Precast Concrete Wheel Stop.....	120.30	20.74
32 17 13 19-0011 EA 7.625" x 7.625" x 8' Precast Concrete Wheel Stop.....	180.07	20.74

**32 17 13 23 Rubber Parking Bumpers (32 17 13)**

32 17 13 23-0001 EA 3' Recycled Rubber Wheel Stop.....	30.38	6.89
32 17 13 23-0002 EA 4' Recycled Rubber Wheel Stop.....	35.53	6.89
32 17 13 23-0003 EA 5' Recycled Rubber Wheel Stop.....	37.59	6.89
32 17 13 23-0004 EA 6' Recycled Rubber Wheel Stop.....	40.68	6.89

**32 17 13 26 Wood Parking Bumpers (32 17 13)**

32 17 13 26-0001 LF 4" x 4" Timber Barrier With Saddles For Cars, Pressure Treated.....	9.84	1.66
32 17 13 26-0002 LF 6" x 6" Timber Barriers With Saddle For Trucks, Pressure Treated.....	12.99	1.66

**32 17 16 Manufactured Traffic-Calming Devices (32 17)**

**32 17 16 00-0001 Modular Rubber Speed Tables (32 17 16)**

Note: 3" high flat topped speed humps, 18" x 42" modular rubber construction. Trafficlogix.

32 17 16 00-0002 SF Up To 24' Road Width x 7' Run Modular Rubber Speed Table.....	64.16	
Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.		
32 17 16 00-0003 SF Up To 24' Road Width x 14' Run Modular Rubber Speed Table.....	56.06	
Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.		
32 17 16 00-0004 SF Up To 24' Road Width x 21' Run Modular Rubber Speed Table.....	52.68	
Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.		
32 17 16 00-0005 SF >24' To 30' Road Width x 7' Run Modular Rubber Speed Table.....	61.41	
Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.		
32 17 16 00-0006 SF >24' To 30' Road Width x 14' Run Modular Rubber Speed Table.....	54.08	
Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.		
32 17 16 00-0007 SF >24' To 30' Road Width x 21' Run Modular Rubber Speed Table.....	51.11	
Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.		
32 17 16 00-0008 SF >30' To 40' Road Width x 7' Run Modular Rubber Speed Table.....	58.71	
Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.		
32 17 16 00-0009 SF >30' To 40' Road Width x 14' Run Modular Rubber Speed Table.....	52.52	
Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.		
32 17 16 00-0010 SF >30' To 40' Road Width x 21' Run Modular Rubber Speed Table.....	49.81	
Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.		

**32 Exterior Improvements**

**32 10 Bases, Ballasts, and Paving**

**32 17 Paving Specialties**



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>32 17 16 00-0011 Asphalt Speed Table</b> <small>(32 17 16)</small> Note: Excludes pavement markings or reflectors.		
32 17 16 00-0012 LF Up to 36" Run, Asphalt Speed Table With 3" Center Crown.....	35.69	
Note: Tapered on edges to roadway.		
32 17 16 00-0013 LF >36" To 48" Run, Asphalt Speed Table With 3" Center Crown.....	42.11	
Note: Tapered on edges to roadway.		
32 17 16 00-0014 LF Up to 36" Run, Asphalt Speed Table With 4" Center Crown.....	44.84	
Note: Tapered on edges to roadway.		
32 17 16 00-0015 LF >36" To 48" Run, Asphalt Speed Table With 4" Center Crown.....	52.95	
Note: Tapered on edges to roadway.		
32 17 16 00-0016 LF Up to 36" Run, Asphalt Speed Table With 6" Center Crown.....	54.84	
Note: Tapered on edges to roadway.		
32 17 16 00-0017 LF >36" To 48" Run, Asphalt Speed Table With 6" Center Crown.....	61.26	
Note: Tapered on edges to roadway.		
<b>32 17 16 00-0018 Speed Bumps</b> <small>(32 17 16)</small> Note: Excludes pavement markings or reflectors.		
32 17 16 00-0019 LF 2-1/4" High x 10-1/2" Wide, Asphalt Speed Bump.....	36.08	1.87
32 17 16 00-0020 LF 2-1/4" High x 12" Wide, Recycled Rubber Speed Bump.....	30.47	1.24
32 17 16 00-0021 LF 2-5/8" High x 12" Wide, Recycled Plastic Speed Bump.....	185.41	1.24
<b>32 17 23 Pavement Markings</b> <small>(32 17)</small>		
<b>32 17 23 13 Painted Pavement Markings</b> <small>(32 17 23)</small>		
<b>32 17 23 13-0001 Minimum Charge For Pavement Striping</b> <small>(32 17 23 13)</small>		
32 17 23 13-0002 EA Pavement Striping Minimum Charge.....	289.78	
<b>32 17 23 13-0003 Striping, Letters, Symbols And Markers for Roads And Airports</b> <small>(32 17 23 13)</small> Note: Includes primers, adhesive and glass beads where required. For broken line quantities use total lane length. Per Coat.		
<b>32 17 23 13-0004 Epoxy Reflective Pavement Marking</b> <small>(32 17 23 13-0003)</small> Note: 15 mil thickness.		
32 17 23 13-0005 LF Single 4" Wide Solid Line, Epoxy Reflective Pavement Striping.....	0.67	
For 20 Mil Thickness, Add	0.16	
For Up To 5,000 LF, Add	0.13	
For >25,000 LF, Deduct	-0.10	
For Broken Line, Deduct	-0.34	
32 17 23 13-0006 LF Single 6" Wide Solid Line, Epoxy Reflective Pavement Striping.....	0.95	
For 20 Mil Thickness, Add	0.24	
For Up To 5,000 LF, Add	0.19	
For >25,000 LF, Deduct	-0.14	
For Broken Line, Deduct	-0.51	
32 17 23 13-0007 LF Single 8" Wide Solid Line, Epoxy Reflective Pavement Striping.....	1.15	
For 20 Mil Thickness, Add	0.29	
For Up To 5,000 LF, Add	0.23	
For >25,000 LF, Deduct	-0.17	
For Broken Line, Deduct	-0.61	
32 17 23 13-0008 LF Single 12" Wide Solid Line, Epoxy Reflective Pavement Striping.....	1.75	
For 20 Mil Thickness, Add	0.46	
For Up To 5,000 LF, Add	0.35	
For >25,000 LF, Deduct	-0.26	
For Broken Line, Deduct	-0.99	
32 17 23 13-0009 LF Double 4" Wide Solid Lines, Epoxy Reflective Pavement Striping.....	1.10	
For 20 Mil Thickness, Add	0.30	
For Up To 5,000 LF, Add	0.22	
For >25,000 LF, Deduct	-0.17	
For Broken Line On One Side, Deduct	-0.33	
For Double Broken Line, Deduct	-0.66	
32 17 23 13-0010 LF Double 6" Wide Solid Lines, Epoxy Reflective Pavement Striping.....	1.60	
For 20 Mil Thickness, Add	0.46	
For Up To 5,000 LF, Add	0.32	
For >25,000 LF, Deduct	-0.24	
For Broken Line On One Side, Deduct	-0.50	
For Double Broken Line, Deduct	-1.00	
32 17 23 13-0011 SF Solid Area, Epoxy Reflective Pavement Marking.....	6.72	
Note: Use this task for: lines >12" wide, stop bars, transverse lines, diagonal lines, crossing lanes, etc.		
For 20 Mil Thickness, Add	1.01	
32 17 23 13-0012 EA 6" High, Letter/Number, Epoxy Reflective Pavement Marking.....	3.92	
For 20 Mil Thickness, Add	0.47	
For <10, Add	0.45	
For >50 To 100, Deduct	-0.22	
For >100 To 200, Deduct	-0.30	
For >200, Deduct	-0.59	
32 17 23 13-0013 EA 12" High, Letter/Number, Epoxy Reflective Pavement Marking.....	7.93	
For 20 Mil Thickness, Add	1.37	
For <10, Add	0.67	
For >50 To 100, Deduct	-0.34	
For >100 To 200, Deduct	-0.45	
For >200, Deduct	-0.90	



<b>Exterior Improvements</b>	<b>32</b>	<b>32</b>
<b>Bases, Ballasts, and Paving</b>	<b>32 10</b>	
<b>Paving Specialties</b>	<b>32 17</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 13-0014 EA 24" High, Letter/Number, Epoxy Reflective Pavement Marking.....	13.48	
For 20 Mil Thickness, Add	2.38	
For <10, Add	1.12	
For >50 To 100, Deduct	-0.56	
For >100 To 200, Deduct	-0.75	
For >200, Deduct	-1.49	
32 17 23 13-0015 EA 36" High, Letter/Number, Epoxy Reflective Pavement Marking.....	25.49	
For 20 Mil Thickness, Add	4.27	
For <10, Add	2.24	
For >50 To 100, Deduct	-1.12	
For >100 To 200, Deduct	-1.49	
For >200, Deduct	-2.98	
32 17 23 13-0016 EA 48" High, Letter/Number, Epoxy Reflective Pavement Marking.....	30.48	
For 20 Mil Thickness, Add	5.42	
For <10, Add	2.51	
For >50 To 100, Deduct	-1.25	
For >100 To 200, Deduct	-1.67	
For >200, Deduct	-3.35	
32 17 23 13-0017 EA 72" High, Letter/Number, Epoxy Reflective Pavement Marking.....	54.90	
For 20 Mil Thickness, Add	9.86	
For <10, Add	4.47	
For >50 To 100, Deduct	-2.23	
For >100 To 200, Deduct	-2.98	
For >200, Deduct	-5.95	
32 17 23 13-0018 EA 96" High, Letter/Number, Epoxy Reflective Pavement Marking.....	73.04	
For 20 Mil Thickness, Add	13.02	
For <10, Add	6.00	
For >50 To 100, Deduct	-3.00	
For >100 To 200, Deduct	-4.00	
For >200, Deduct	-8.00	
32 17 23 13-0019 EA 120" High, Letter/Number, Epoxy Reflective Pavement Marking.....	123.32	
For 20 Mil Thickness, Add	27.07	
For <10, Add	7.43	
For >50 To 100, Deduct	-3.71	
For >100 To 200, Deduct	-4.95	
For >200, Deduct	-9.91	
32 17 23 13-0020 SF Letter/Number, Epoxy Reflective Pavement Marking.....	6.87	
For 20 Mil Thickness, Add	1.02	
32 17 23 13-0021 SF Symbols, Epoxy Reflective Pavement Marking.....	8.39	
Note: Handicap, railroad, diamond, arrows, etc.		
<b>32 17 23 13-0022 Alkyd/Solvent Based/Latex Reflective Pavement Marking (32 17 23 13-0003)</b>		
Note: 15 mil thickness.		
32 17 23 13-0023 LF Single 4" Wide Solid Line, Painted Reflective Pavement Striping.....	0.31	
Note: Includes solvent based and latex paints.		
For Up To 5,000 LF, Add	0.06	
For >25,000 LF, Deduct	-0.05	
For Broken Line, Deduct	-0.07	
32 17 23 13-0024 LF Single 6" Wide Solid Line, Painted Reflective Pavement Striping.....	0.40	
Note: Includes solvent based and latex paints.		
For Up To 5,000 LF, Add	0.08	
For >25,000 LF, Deduct	-0.06	
For Broken Line, Deduct	-0.10	
32 17 23 13-0025 LF Single 8" Wide Solid Line, Painted Reflective Pavement Striping.....	0.50	
Note: Includes solvent based and latex paints.		
For Up To 5,000 LF, Add	0.10	
For >25,000 LF, Deduct	-0.08	
For Broken Line, Deduct	-0.12	
32 17 23 13-0026 LF Single 12" Wide Solid Line, Painted Reflective Pavement Striping.....	0.67	
Note: Includes solvent based and latex paints.		
For Up To 5,000 LF, Add	0.13	
For >25,000 LF, Deduct	-0.10	
For Broken Line, Deduct	-0.18	
32 17 23 13-0027 LF Double 4" Wide Solid Lines, Painted Reflective Pavement Striping.....	0.45	
For Up To 5,000 LF, Add	0.09	
For >25,000 LF, Deduct	-0.07	
For Broken Line On One Side, Deduct	-0.06	
For Double Broken Line, Deduct	-0.12	
32 17 23 13-0028 LF Double 6" Wide Solid Lines, Painted Reflective Pavement Striping.....	0.67	
For Up To 5,000 LF, Add	0.13	
For >25,000 LF, Deduct	-0.10	
For Broken Line On One Side, Deduct	-0.09	
For Double Broken Line, Deduct	-0.18	
32 17 23 13-0029 SF Solid Area, Painted Reflective Pavement Striping.....	4.58	
Note: Use this task for: lines >12" wide, stop bars, transverse lines, diagonal lines, crossing lanes, etc.		
32 17 23 13-0030 EA 6" (15 cm) High, Letter/Number, Painted Reflective Pavement Marking.....	3.49	
Note: Includes solvent based and latex paints.		
For <10, Add	0.45	
For >50 To 100, Deduct	-0.22	
For >100 To 200, Deduct	-0.30	
For >200, Deduct	-0.59	

**32 Exterior Improvements****32 10 Bases, Ballasts, and Paving****32 17 Paving Specialties**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 13-0031	EA		12" (31 cm) High, Letter/Number, Painted Reflective Pavement Marking.....	6.37	
			Note: Includes solvent based and latex paints.		
			For <10, Add	0.67	
			For >50 To 100, Deduct	-0.34	
			For >100 To 200, Deduct	-0.45	
			For >200, Deduct	-0.90	
32 17 23 13-0032	EA		24" (61 cm) High, Letter/Number, Painted Reflective Pavement Marking.....	10.74	
			Note: Includes solvent based and latex paints.		
			For <10, Add	1.12	
			For >50 To 100, Deduct	-0.56	
			For >100 To 200, Deduct	-0.75	
			For >200, Deduct	-1.49	
32 17 23 13-0033	EA		36" (91 cm) High, Letter/Number, Painted Reflective Pavement Marking.....	20.68	
			Note: Includes solvent based and latex paints.		
			For <10, Add	2.24	
			For >50 To 100, Deduct	-1.12	
			For >100 To 200, Deduct	-1.49	
			For >200, Deduct	-2.98	
32 17 23 13-0034	EA		48" (122 cm) High, Letter/Number, Painted Reflective Pavement Marking.....	24.23	
			Note: Includes solvent based and latex paints.		
			For <10, Add	2.51	
			For >50 To 100, Deduct	-1.25	
			For >100 To 200, Deduct	-1.67	
			For >200, Deduct	-3.35	
32 17 23 13-0035	EA		72" (183 cm) High, Letter/Number, Painted Reflective Pavement Marking.....	43.48	
			Note: Includes solvent based and latex paints.		
			For <10, Add	4.47	
			For >50 To 100, Deduct	-2.23	
			For >100 To 200, Deduct	-2.98	
			For >200, Deduct	-5.95	
32 17 23 13-0036	EA		96" (244 cm) High, Letter/Number, Painted Reflective Pavement Marking.....	58.01	
			Note: Includes solvent based and latex paints.		
			For <10, Add	6.00	
			For >50 To 100, Deduct	-3.00	
			For >100 To 200, Deduct	-4.00	
			For >200, Deduct	-7.99	
32 17 23 13-0037	EA		120" (305 cm) High, Letter/Number, Painted Reflective Pavement Marking.....	89.79	
			Note: Includes solvent based and latex paints.		
			For <10, Add	7.43	
			For >50 To 100, Deduct	-3.71	
			For >100 To 200, Deduct	-4.95	
			For >200, Deduct	-9.91	
32 17 23 13-0038	SF		Letter/Number, Painted Reflective Pavement Marking .....	5.79	
			Note: Includes solvent based and latex paints.		
32 17 23 13-0039	SF		Symbols, Painted Reflective Pavement Marking .....	6.80	
			Note: Handicap, railroad, diamond, arrows, etc. Includes solvent based and latex paints.		
32 17 23 13-0040			<b>Painted Reflective Pavement Marking (CALTRANS)</b> <small>(32 17 23 13)</small>		
			Note: Per LF of detail.		
32 17 23 13-0041	LF		CALTRANS Detail 1 Centerline, Painted Reflective Pavement Striping .....	0.25	
			For Up To 5,000 LF, Add	0.05	
			For >25,000 LF, Deduct	-0.04	
32 17 23 13-0042	LF		CALTRANS Detail 2 Centerline, Painted Reflective Pavement Striping .....	0.42	
			For Up To 5,000 LF, Add	0.08	
			For >25,000 LF, Deduct	-0.06	
32 17 23 13-0043	LF		CALTRANS Detail 4 Centerline .....	0.98	
			For Up To 5,000 LF, Add	0.20	
			For >25,000 LF, Deduct	-0.15	
32 17 23 13-0044	LF		CALTRANS Detail 5 Centerline, Painted Reflective Pavement Striping .....	0.24	
			For Up To 5,000 LF, Add	0.05	
			For >25,000 LF, Deduct	-0.04	
32 17 23 13-0045	LF		CALTRANS Detail 6 Centerline, Painted Reflective Pavement Striping .....	0.43	
			For Up To 5,000 LF, Add	0.09	
			For >25,000 LF, Deduct	-0.06	
32 17 23 13-0046	LF		CALTRANS Detail 7 Centerline .....	0.71	
			For Up To 5,000 LF, Add	0.14	
			For >25,000 LF, Deduct	-0.11	
32 17 23 13-0047	LF		CALTRANS Detail 8 Lanelines, Painted Reflective Pavement Striping .....	0.25	
			For Up To 5,000 LF, Add	0.05	
			For >25,000 LF, Deduct	-0.04	
32 17 23 13-0048	LF		CALTRANS Detail 9 Lanelines, Painted Reflective Pavement Striping .....	0.42	
			For Up To 5,000 LF, Add	0.08	
			For >25,000 LF, Deduct	-0.06	
32 17 23 13-0049	LF		CALTRANS Detail 10 Lanelines .....	0.98	
			For Up To 5,000 LF, Add	0.20	
			For >25,000 LF, Deduct	-0.15	
32 17 23 13-0050	LF		CALTRANS Detail 11 Lanelines, Painted Reflective Pavement Striping .....	0.24	
			For Up To 5,000 LF, Add	0.05	
			For >25,000 LF, Deduct	-0.04	
32 17 23 13-0051	LF		CALTRANS Detail 12 Lanelines, Painted Reflective Pavement Striping .....	0.41	
			For Up To 5,000 LF, Add	0.08	
			For >25,000 LF, Deduct	-0.06	
32 17 23 13-0052	LF		CALTRANS Detail 13 Lanelines .....	0.71	
			For Up To 5,000 LF, Add	0.14	
			For >25,000 LF, Deduct	-0.11	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 13-0053 LF CALTRANS Detail 14 Lanelines .....	0.71	
<i>For Up To 5,000 LF, Add</i>	0.14	
<i>For &gt;25,000 LF, Deduct</i>	-0.11	
32 17 23 13-0054 LF CALTRANS Detail 14A Lanelines, Painted Reflective Pavement Striping .....	0.41	
<i>For Up To 5,000 LF, Add</i>	0.08	
<i>For &gt;25,000 LF, Deduct</i>	-0.06	
32 17 23 13-0055 LF CALTRANS Detail 15 No Passing Zones-One Direction Lanelines, Painted Reflective Pavement Striping .....	0.34	
<i>For Up To 5,000 LF, Add</i>	0.07	
<i>For &gt;25,000 LF, Deduct</i>	-0.05	
<i>For Broken Line On One Side, Deduct</i>	-0.05	
<i>For Double Broken Line, Deduct</i>	-0.09	
32 17 23 13-0056 LF CALTRANS Detail 16 No Passing Zones-One Direction Lanelines, Painted Reflective Pavement Striping .....	1.00	
<i>For Up To 5,000 LF, Add</i>	0.20	
<i>For &gt;25,000 LF, Deduct</i>	-0.15	
32 17 23 13-0057 LF CALTRANS Detail 17 No Passing Zones-One Direction Lanelines .....	2.86	
<i>For Up To 5,000 LF, Add</i>	0.57	
<i>For &gt;25,000 LF, Deduct</i>	-0.43	
32 17 23 13-0058 LF CALTRANS Detail 18 No Passing Zones-One Direction Lanelines, Painted Reflective Pavement Striping .....	0.34	
<i>For Up To 5,000 LF, Add</i>	0.07	
<i>For &gt;25,000 LF, Deduct</i>	-0.05	
<i>For Broken Line On One Side, Deduct</i>	-0.05	
<i>For Double Broken Line, Deduct</i>	-0.09	
32 17 23 13-0059 LF CALTRANS Detail 19 No Passing Zones-One Direction Lanelines, Painted Reflective Pavement Striping .....	0.84	
<i>For Up To 5,000 LF, Add</i>	0.17	
<i>For &gt;25,000 LF, Deduct</i>	-0.13	
32 17 23 13-0060 LF CALTRANS Detail 20 No Passing Zones-One Direction Lanelines .....	2.42	
<i>For Up To 5,000 LF, Add</i>	0.48	
<i>For &gt;25,000 LF, Deduct</i>	-0.36	
32 17 23 13-0061 LF CALTRANS Detail 21 No Passing Zones-Two Direction Lanelines, Painted Reflective Pavement Striping .....	0.41	
<i>For Up To 5,000 LF, Add</i>	0.08	
<i>For &gt;25,000 LF, Deduct</i>	-0.06	
<i>For Broken Line On One Side, Deduct</i>	-0.07	
<i>For Double Broken Line, Deduct</i>	-0.14	
32 17 23 13-0062 LF CALTRANS Detail 22 No Passing Zones-Two Direction Lanelines, Painted Reflective Pavement Striping .....	1.07	
<i>For Up To 5,000 LF, Add</i>	0.21	
<i>For &gt;25,000 LF, Deduct</i>	-0.16	
32 17 23 13-0063 LF CALTRANS Detail 23 No Passing Zones-Two Direction Lanelines .....	3.41	
<i>For Up To 5,000 LF, Add</i>	0.68	
<i>For &gt;25,000 LF, Deduct</i>	-0.51	
32 17 23 13-0064 LF CALTRANS Detail 24 Left Edgelines, Painted Reflective Pavement Striping .....	0.32	
<i>For Up To 5,000 LF, Add</i>	0.06	
<i>For &gt;25,000 LF, Deduct</i>	-0.05	
32 17 23 13-0065 LF CALTRANS Detail 25 Left Edgelines, Painted Reflective Pavement Striping .....	0.48	
<i>For Up To 5,000 LF, Add</i>	0.10	
<i>For &gt;25,000 LF, Deduct</i>	-0.07	
32 17 23 13-0066 LF CALTRANS Detail 25A Left Edgelines, Painted Reflective Pavement Striping .....	0.64	
<i>For Up To 5,000 LF, Add</i>	0.13	
<i>For &gt;25,000 LF, Deduct</i>	-0.10	
32 17 23 13-0067 LF CALTRANS Detail 26 Left Edgelines .....	0.17	
<i>For Up To 5,000 LF, Add</i>	0.03	
<i>For &gt;25,000 LF, Deduct</i>	-0.03	
32 17 23 13-0068 LF CALTRANS Detail 27 Left Edgelines, Painted Reflective Pavement Striping .....	0.58	
<i>For Up To 5,000 LF, Add</i>	0.12	
<i>For &gt;25,000 LF, Deduct</i>	-0.09	
32 17 23 13-0069 LF CALTRANS Detail 27B Right Edgelines, Painted Reflective Pavement Striping .....	0.32	
<i>For Up To 5,000 LF, Add</i>	0.06	
<i>For &gt;25,000 LF, Deduct</i>	-0.05	
32 17 23 13-0070 LF CALTRANS Detail 27C Right Edgeline Extension Through Intersections, Painted Reflective Pavement Striping .....	0.24	
<i>For Up To 5,000 LF, Add</i>	0.05	
<i>For &gt;25,000 LF, Deduct</i>	-0.04	
32 17 23 13-0071 LF CALTRANS Detail 28 Median Islands, Painted Reflective Pavement Striping .....	0.81	
<i>For Up To 5,000 LF, Add</i>	0.16	
<i>For &gt;25,000 LF, Deduct</i>	-0.12	
<i>For Broken Line On One Side, Deduct</i>	-0.14	
<i>For Double Broken Line, Deduct</i>	-0.29	
32 17 23 13-0072 LF CALTRANS Detail 29 Median Islands, Painted Reflective Pavement Striping .....	1.49	
<i>For Up To 5,000 LF, Add</i>	0.30	
<i>For &gt;25,000 LF, Deduct</i>	-0.22	
32 17 23 13-0073 LF CALTRANS Detail 30 Median Islands .....	6.83	
<i>For Up To 5,000 LF, Add</i>	1.37	
<i>For &gt;25,000 LF, Deduct</i>	-1.02	
32 17 23 13-0074 LF CALTRANS Detail 31 Two-Way Left Turn Lanes, Painted Reflective Pavement Striping .....	0.67	
<i>For Up To 5,000 LF, Add</i>	0.13	
<i>For &gt;25,000 LF, Deduct</i>	-0.10	
<i>For Broken Line On One Side, Deduct</i>	-0.09	
<i>For Double Broken Line, Deduct</i>	-0.18	
32 17 23 13-0075 LF CALTRANS Detail 32 Two-Way Left Turn Lanes, Painted Reflective Pavement Striping .....	1.51	
<i>For Up To 5,000 LF, Add</i>	0.30	
<i>For &gt;25,000 LF, Deduct</i>	-0.23	
32 17 23 13-0076 LF CALTRANS Detail 33 Two-Way Left Turn Lanes .....	4.68	
<i>For Up To 5,000 LF, Add</i>	0.94	
<i>For &gt;25,000 LF, Deduct</i>	-0.70	
32 17 23 13-0077 LF CALTRANS Detail 34 Intersection Treatments, Painted Reflective Pavement Striping .....	0.84	
<i>For Up To 5,000 LF, Add</i>	0.17	
<i>For &gt;25,000 LF, Deduct</i>	-0.13	

**32 Exterior Improvements****32 10 Bases, Ballasts, and Paving****32 17 Paving Specialties**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 13-0078 LF CALTRANS Detail 34A Intersection Treatments, Painted Reflective Pavement Striping.....	0.34	
For Up To 5,000 LF, Add	0.07	
For >25,000 LF, Deduct	-0.05	
32 17 23 13-0079 LF CALTRANS Detail 35 Intersection Treatments, Painted Reflective Pavement Striping.....	1.01	
For Up To 5,000 LF, Add	0.20	
For >25,000 LF, Deduct	-0.15	
32 17 23 13-0080 LF CALTRANS Detail 35A Intersection Treatments, Painted Reflective Pavement Striping.....	0.34	
For Up To 5,000 LF, Add	0.07	
For >25,000 LF, Deduct	-0.05	
32 17 23 13-0081 LF CALTRANS Detail 36 Exit Ramp Neutral Area (Gore) Treatment, Painted Reflective Pavement Striping.....	1.66	
For Up To 5,000 LF, Add	0.33	
For >25,000 LF, Deduct	-0.25	
32 17 23 13-0082 LF CALTRANS Detail 36A Entrance Ramp Neutral Area (Merge) Treatment, Painted Reflective Pavement Striping.....	1.05	
For Up To 5,000 LF, Add	0.21	
For >25,000 LF, Deduct	-0.16	
32 17 23 13-0083 LF CALTRANS Detail 36B Entrance Ramp Neutral Area (Acceleration Lane) Treatment, Painted Reflective Pavement Striping.....	1.13	
For Up To 5,000 LF, Add	0.23	
For >25,000 LF, Deduct	-0.17	
32 17 23 13-0084 LF CALTRANS Detail 37 Lane Drop At Exit Ramps, Painted Reflective Pavement Striping.....	1.04	
For Up To 5,000 LF, Add	0.21	
For >25,000 LF, Deduct	-0.16	
32 17 23 13-0085 LF CALTRANS Detail 37A Lane Drop At Exit Ramps.....	2.29	
For Up To 5,000 LF, Add	0.46	
For >25,000 LF, Deduct	-0.34	
32 17 23 13-0086 LF CALTRANS Detail 37B Lane Drop At Intersections, Painted Reflective Pavement Striping.....	1.04	
For Up To 5,000 LF, Add	0.21	
For >25,000 LF, Deduct	-0.16	
32 17 23 13-0087 LF CALTRANS Detail 37C Lane Drop At Intersections.....	2.29	
For Up To 5,000 LF, Add	0.46	
For >25,000 LF, Deduct	-0.34	
32 17 23 13-0088 LF CALTRANS Detail 38 Channelizing Line, Painted Reflective Pavement Striping.....	0.96	
For Up To 5,000 LF, Add	0.19	
For >25,000 LF, Deduct	-0.14	
32 17 23 13-0089 LF CALTRANS Detail 38A Channelizing Line, Painted Reflective Pavement Striping.....	0.63	
For Up To 5,000 LF, Add	0.13	
For >25,000 LF, Deduct	-0.09	
32 17 23 13-0090 LF CALTRANS Detail 38B Channelizing Line, Painted Reflective Pavement Striping.....	1.30	
For Up To 5,000 LF, Add	0.26	
For >25,000 LF, Deduct	-0.20	
32 17 23 13-0091 LF CALTRANS Detail 38C Channelizing Line.....	3.41	
For Up To 5,000 LF, Add	0.68	
For >25,000 LF, Deduct	-0.51	
32 17 23 13-0092 LF CALTRANS Detail 39 Bike Lane Line, Painted Reflective Pavement Striping.....	0.39	
For Up To 5,000 LF, Add	0.08	
For >25,000 LF, Deduct	-0.06	
32 17 23 13-0093 LF CALTRANS Detail 39A Intersection Line Bike Lane, Painted Reflective Pavement Striping.....	0.31	
For Up To 5,000 LF, Add	0.06	
For >25,000 LF, Deduct	-0.05	
32 17 23 13-0094 LF CALTRANS Detail 40 Lane Line Extensions Through Intersections, Painted Reflective Pavement Striping.....	0.23	
For Up To 5,000 LF, Add	0.05	
For >25,000 LF, Deduct	-0.03	
32 17 23 13-0095 LF CALTRANS Detail 40A Lane Line Extensions Through Intersections.....	1.65	
For Up To 5,000 LF, Add	0.33	
For >25,000 LF, Deduct	-0.25	
32 17 23 13-0096 LF CALTRANS Detail 41 Center Line Extensions Through Intersections, Painted Reflective Pavement Striping.....	0.23	
For Up To 5,000 LF, Add	0.05	
For >25,000 LF, Deduct	-0.03	
32 17 23 13-0097 LF CALTRANS Detail 41A Center Line Extensions Through Intersections.....	1.65	
For Up To 5,000 LF, Add	0.33	
For >25,000 LF, Deduct	-0.25	
32 17 23 13-0098 EA CALTRANS 10' Arrow, Type I, Painted Reflective Pavement Marking.....	91.21	
For <10, Add	10.86	
For >50 To 100, Deduct	-5.43	
For >100 To 200, Deduct	-7.24	
For >200, Deduct	-14.48	
32 17 23 13-0099 EA CALTRANS 18' Arrow, Type I, Painted Reflective Pavement Marking.....	160.29	
For <10, Add	19.01	
For >50 To 100, Deduct	-9.51	
For >100 To 200, Deduct	-12.67	
For >200, Deduct	-25.35	
32 17 23 13-0100 EA CALTRANS 24' Arrow, Type I, Painted Reflective Pavement Marking.....	200.93	
For <10, Add	23.90	
For >50 To 100, Deduct	-11.95	
For >100 To 200, Deduct	-15.93	
For >200, Deduct	-31.87	
32 17 23 13-0101 EA CALTRANS 24' Arrow With Single (L or R) Turn Arrow, Type II, Painted Reflective Pavement Marking.....	292.14	
For <10, Add	34.76	
For >50 To 100, Deduct	-17.38	
For >100 To 200, Deduct	-23.18	
For >200, Deduct	-46.35	
32 17 23 13-0102 EA CALTRANS 24' Arrow With Both (L and R) Turn Arrows, Type II, Painted Reflective Pavement Marking.....	383.35	
For <10, Add	45.63	
For >50 To 100, Deduct	-22.81	
For >100 To 200, Deduct	-30.42	
For >200, Deduct	-60.83	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 13-0103 EA CALTRANS 24' Arrow Single (L or R) Turn Arrow, Type III, Painted Reflective Pavement Marking .....	270.00	
<i>For &lt;10, Add</i>	32.05	
<i>For &gt;50 To 100, Deduct</i>	-16.02	
<i>For &gt;100 To 200, Deduct</i>	-21.36	
<i>For &gt;200, Deduct</i>	-42.73	
32 17 23 13-0104 EA CALTRANS 24' Arrow Both (L and R) Turn Arrows, Type III, Painted Reflective Pavement Marking .....	470.93	
<i>For &lt;10, Add</i>	55.95	
<i>For &gt;50 To 100, Deduct</i>	-27.97	
<i>For &gt;100 To 200, Deduct</i>	-37.30	
<i>For &gt;200, Deduct</i>	-74.59	
32 17 23 13-0105 EA CALTRANS 8' Turn Arrow (L or R), Type IV, Painted Reflective Pavement Marking .....	96.18	
<i>For &lt;10, Add</i>	11.41	
<i>For &gt;50 To 100, Deduct</i>	-5.70	
<i>For &gt;100 To 200, Deduct</i>	-7.61	
<i>For &gt;200, Deduct</i>	-15.21	
32 17 23 13-0106 EA CALTRANS 24' Arrow, Type V, Painted Reflective Pavement Marking .....	210.86	
<i>For &lt;10, Add</i>	24.99	
<i>For &gt;50 To 100, Deduct</i>	-12.49	
<i>For &gt;100 To 200, Deduct</i>	-16.66	
<i>For &gt;200, Deduct</i>	-33.31	
32 17 23 13-0107 EA CALTRANS 18' Arrow, Type VI, Painted Reflective Pavement Marking .....	270.00	
<i>For &lt;10, Add</i>	32.05	
<i>For &gt;50 To 100, Deduct</i>	-16.02	
<i>For &gt;100 To 200, Deduct</i>	-21.36	
<i>For &gt;200, Deduct</i>	-42.73	
32 17 23 13-0108 EA CALTRANS 13' Arrow With Single (L or R) Turn Arrow, Type VII, Painted Reflective Pavement Marking .....	174.04	
<i>For &lt;10, Add</i>	20.64	
<i>For &gt;50 To 100, Deduct</i>	-10.32	
<i>For &gt;100 To 200, Deduct</i>	-13.76	
<i>For &gt;200, Deduct</i>	-27.52	
32 17 23 13-0109 EA CALTRANS 15' Arrow With Both (L and R) Turn Arrows, Type VIII, Painted Reflective Pavement Marking .....	229.37	
<i>For &lt;10, Add</i>	27.16	
<i>For &gt;50 To 100, Deduct</i>	-13.58	
<i>For &gt;100 To 200, Deduct</i>	-18.11	
<i>For &gt;200, Deduct</i>	-36.21	
32 17 23 13-0110 EA CALTRANS 5' Arrow, Bike Lane, Painted Reflective Pavement Marking .....	45.60	
<i>For &lt;10, Add</i>	5.43	
<i>For &gt;50 To 100, Deduct</i>	-2.72	
<i>For &gt;100 To 200, Deduct</i>	-3.62	
<i>For &gt;200, Deduct</i>	-7.24	
32 17 23 13-0111 EA CALTRANS Railroad Crossing Symbol, Painted Reflective Pavement Marking .....	437.95	
Note: Excludes variable width transverse lines.		
<i>For &lt;10, Add</i>	51.60	
<i>For &gt;50 To 100, Deduct</i>	-25.80	
<i>For &gt;100 To 200, Deduct</i>	-34.40	
<i>For &gt;200, Deduct</i>	-68.80	
32 17 23 13-0112 SF CALTRANS Solid Area, Painted Reflective Pavement Marking .....	5.76	
32 17 23 13-0113 EA CALTRANS Bike Lane Symbol Without Person, Painted Reflective Pavement Marking .....	49.18	
Note: Approximate overall dimensions: 4' width x 8' height.		
<i>For &lt;10, Add</i>	3.91	
<i>For &gt;50 To 100, Deduct</i>	-1.96	
<i>For &gt;100 To 200, Deduct</i>	-2.61	
<i>For &gt;200, Deduct</i>	-5.21	
32 17 23 13-0114 EA CALTRANS Bike Lane Symbol With Person, Painted Reflective Pavement Marking .....	52.22	
Note: Approximate overall dimensions: 4' width x 8' height.		
<i>For &lt;10, Add</i>	4.13	
<i>For &gt;50 To 100, Deduct</i>	-2.06	
<i>For &gt;100 To 200, Deduct</i>	-2.75	
<i>For &gt;200, Deduct</i>	-5.50	
32 17 23 13-0115 EA CALTRANS Diamond Symbol, Painted Reflective Pavement Marking .....	72.70	
<i>For &lt;10, Add</i>	8.69	
<i>For &gt;50 To 100, Deduct</i>	-4.35	
<i>For &gt;100 To 200, Deduct</i>	-5.79	
<i>For &gt;200, Deduct</i>	-11.59	
32 17 23 13-0116 EA CALTRANS International Symbol Of Accessibility (ISA) Marking, Painted Reflective Pavement Marking .....	148.19	
<i>For &lt;10, Add</i>	17.60	
<i>For &gt;50 To 100, Deduct</i>	-8.80	
<i>For &gt;100 To 200, Deduct</i>	-11.73	
<i>For &gt;200, Deduct</i>	-23.46	
32 17 23 13-0117 EA CALTRANS Bike Loop Detector Symbol, Painted Reflective Pavement Marking .....	30.12	
Note: Approximate overall dimensions: 4' width x 8' height.		
<i>For &lt;10, Add</i>	4.13	
<i>For &gt;50 To 100, Deduct</i>	-2.06	
<i>For &gt;100 To 200, Deduct</i>	-2.75	
<i>For &gt;200, Deduct</i>	-5.50	
32 17 23 13-0118 SF CALTRANS Letter/Number, Painted Reflective Pavement Marking .....	5.83	
32 17 23 13-0119 SF CALTRANS Symbols, Painted Reflective Pavement Marking .....	6.41	
Note: Handicap, railroad, diamond, arrows, etc.		
32 17 23 13-0120 Pavement Striping, Letters And Symbols For Parking Areas <small>(32 17 23 13)</small>		
Note: Includes primers. Per Coat.		
32 17 23 13-0121 Painted Pavement Marking For Parking Areas <small>(32 17 23 13-0120)</small>		
Note: 15 mil thickness.		
32 17 23 13-0122 LF Single 4" Wide Solid Line, Painted Pavement Striping For Parking Areas .....	1.12	

**32 Exterior Improvements****32 10 Bases, Ballasts, and Paving****32 17 Paving Specialties**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 13-0123 LF Single 6" Wide Solid Line, Painted Pavement Striping For Parking Areas.....	1.22	
32 17 23 13-0124 LF Single 8" Wide Solid Line, Painted Pavement Striping For Parking Areas.....	1.30	
32 17 23 13-0125 LF Single 12" Wide Solid Line, Painted Pavement Striping For Parking Areas.....	1.46	
32 17 23 13-0126 SF Solid Area, Painted Pavement Marking For Parking Areas.....	4.54	
Note: Use task for lines >12" wide, stop bars, transverse lines, diagonal lines, crossing lanes, etc.		
32 17 23 13-0127 EA 6" High, Letter/Number, Painted Pavement Marking For Parking Areas.....	3.40	
For Up To 10, Add	0.44	
For >50 To 100, Deduct	-0.22	
For >100 To 200, Deduct	-0.29	
For >200, Deduct	-0.58	
32 17 23 13-0128 EA 12" High, Letter/Number, Painted Pavement Marking For Parking Areas.....	6.16	
For Up To 10, Add	0.65	
For >50 To 100, Deduct	-0.33	
For >100 To 200, Deduct	-0.43	
For >200, Deduct	-0.87	
32 17 23 13-0129 EA 24" High, Letter/Number, Painted Pavement Marking For Parking Areas.....	10.43	
For Up To 10, Add	1.09	
For >50 To 100, Deduct	-0.54	
For >100 To 200, Deduct	-0.72	
For >200, Deduct	-1.45	
32 17 23 13-0130 EA 36" High, Letter/Number, Painted Pavement Marking For Parking Areas.....	19.36	
For Up To 10, Add	2.06	
For >50 To 100, Deduct	-1.03	
For >100 To 200, Deduct	-1.38	
For >200, Deduct	-2.75	
32 17 23 13-0131 EA 42" High, Letter/Number, Painted Pavement Marking For Parking Areas.....	25.27	
For Up To 10, Add	2.82	
For >50 To 100, Deduct	-1.41	
For >100 To 200, Deduct	-1.88	
For >200, Deduct	-3.77	
32 17 23 13-0132 EA 48" High, Letter/Number/Arrow, Painted Pavement Marking For Parking Areas.....	30.46	
For Up To 10, Add	3.48	
For >50 To 100, Deduct	-1.74	
For >100 To 200, Deduct	-2.32	
For >200, Deduct	-4.64	
32 17 23 13-0133 EA 72" High, Letter/Number/Arrow, Painted Pavement Marking For Parking Areas.....	42.26	
For Up To 10, Add	4.34	
For >50 To 100, Deduct	-2.17	
For >100 To 200, Deduct	-2.90	
For >200, Deduct	-5.79	
32 17 23 13-0134 EA Through Lane Arrow, Painted Pavement Marking For Parking Areas.....	84.09	
Note: Approximate overall dimensions: 3-1/2' width x 10' height.		
32 17 23 13-0135 EA Turn Lane Arrow, Painted Pavement Marking For Parking Areas.....	100.47	
Note: Approximate overall dimensions: 6' width x 8' height.		
32 17 23 13-0136 EA Dual Turn Lane Arrow, Painted Pavement Marking For Parking Areas.....	153.63	
Note: Approximate overall dimensions: 11' width x 8' height.		
32 17 23 13-0137 EA Turn And Through Lane Arrow, Painted Pavement Marking For Parking Areas.....	157.41	
Note: Approximate overall dimensions: 7' width x 13' height.		
32 17 23 13-0138 EA Dual Turn And Through Lane Arrow, Painted Pavement Marking For Parking Areas.....	214.30	
Note: Approximate overall dimensions: 9' width x 15' height.		
32 17 23 13-0139 EA Handicap Symbol For Standard Parking Stalls, Painted Pavement Marking For Parking Areas.....	30.94	
Note: Approximate overall dimensions: 2-2/3' width x 3' height. White or blue symbol. Excludes striping.		
For Blue Background With White Symbol, Add	28.36	
For Blue Background With White Symbol And Border, Add	35.45	
32 17 23 13-0140 EA Handicap Symbol For Van Parking Stalls, Painted Pavement Marking For Parking Areas.....	50.69	
Note: Approximate overall dimensions: 4-1/3' width x 5' height. White or blue symbol. Excludes striping.		
For Blue Background With White Symbol, Add	63.80	
For Blue Background With White Symbol And Border, Add	79.75	
<b>32 17 23 13-0141 Painted Curbs</b> (32 17 23 13)		
Note: All colors.		
32 17 23 13-0142 LF Reflective Painted Curb.....	2.78	
32 17 23 13-0143 LF Reflective Painted Curb And Gutter.....	5.38	
32 17 23 13-0144 LF Painted Curb.....	2.26	
32 17 23 13-0145 LF Painted Curb And Gutter.....	4.95	
<b>32 17 23 13-0146 Markings For Outdoor Play Areas, Courts</b> (32 17 23 13)		
32 17 23 13-0147 LF 2" Wide Marking For Outdoor Play Areas.....	1.00	
32 17 23 13-0148 LF 3" Wide Marking For Outdoor Play Areas.....	1.13	
32 17 23 13-0149 LF 4" Wide Marking For Outdoor Play Areas.....	1.27	
32 17 23 13-0150 LF 6" Wide Marking For Outdoor Play Areas.....	1.50	
32 17 23 13-0151 EA Layout And Paint Playground Game Lines And Background On Asphalt Or Concrete (Hop Scotch, 4 Square, Numbers Games, Etcetera).....	263.48	
<b>32 17 23 23 Raised Pavement Markings</b> (32 17 23)		
<b>32 17 23 23-0001 Raised Pavement Markers (RPMs)</b> (32 17 23 23)		
Note: White, Red, Yellow/Amber, Green or Blue		
32 17 23 23-0002 EA One-Way Reflective, Raised Pavement Marker (RPM).....	7.49	2.51
Note: Type G, H or R		
For >100, Deduct	-0.75	



		<b>Exterior Improvements</b>	<b>32</b>
		<b>Bases, Ballasts, and Paving</b>	<b>32 10</b>
		<b>Paving Specialties</b>	<b>32 17</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 23-0003 EA Two-Way Reflective, Raised Pavement Marker (RPM) ..... Note: Type B, C, D, AC, RA or RR	7.96	2.51
<i>For &gt;100, Deduct</i>	-0.80	
32 17 23 23-0004 EA 4" Diameter, Round Reflective, Raised Pavement Marker (RPM) ..... <i>For &gt;100, Deduct</i>	9.89	2.51
<i>For &gt;100, Deduct</i>	-0.99	
32 17 23 23-0005 EA 4" Diameter, Non-Reflective, Raised Pavement Marker (RPM) ..... Note: Type A or AY	6.88	2.51
<i>For &gt;100, Deduct</i>	-0.69	
<b>32 17 23 23-0006 Snowplowable Pavement Markers</b> <small>(32 17 23 23)</small>		
32 17 23 23-0007 EA One-Way Reflective, Snowplowable Pavement Marker With Center Rail ..... Note: Type G, H or R	74.88	31.10
32 17 23 23-0008 EA Two-Way Reflective, Snowplowable Pavement Marker With Center Rail ..... Note: Type B, C, D, AC, RA or RR	75.29	31.10
32 17 23 23-0009 EA Removal And Replacement Of Reflector For One-Way Reflective, Recessed (Plowable) Pavement Marker .....	21.57	
32 17 23 23-0010 EA Removal And Replacement Of Reflectors For Two-Way Reflective, Recessed (Plowable) Pavement Marker .....	27.17	
<b>32 17 23 33 Plastic Pavement Markings</b> <small>(32 17 23)</small>		
<b>32 17 23 33-0001 Thermoplastic Pavement Striping, Letters, Symbols And Markers For Roads</b> <small>(32 17 23 33)</small> Note: Includes primers, adhesive and glass beads where required. For broken line modifier quantity use total lane length.		
<b>32 17 23 33-0002 Thermoplastic Reflective Pavement Marking</b> <small>(32 17 23 33-0001)</small> Note: 90 mil thickness.		
32 17 23 33-0003 LF Single 4" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping ..... <i>For Up To 5,000 LF, Add</i> <i>For &gt;25,000 LF, Deduct</i> <i>For 60 mils Thick, Deduct</i> <i>For 125 mils Thick, Add</i> <i>For Broken Line, Deduct</i>	1.45 0.29 -0.22 -0.20 0.26 -0.87	
32 17 23 33-0004 LF Single 6" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping ..... Note: Includes yellow or white. <i>For Up To 5,000 LF, Add</i> <i>For &gt;25,000 LF, Deduct</i> <i>For 60 mils Thick, Deduct</i> <i>For 125 mils Thick, Add</i> <i>For Broken Line, Deduct</i>	2.09 0.42 -0.31 -0.30 0.39 -1.30	
32 17 23 33-0005 LF Single 8" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping ..... Note: Includes yellow or white. <i>For Up To 5,000 LF, Add</i> <i>For &gt;25,000 LF, Deduct</i> <i>For 60 mils Thick, Deduct</i> <i>For 125 mils Thick, Add</i> <i>For Broken Line, Deduct</i>	2.76 0.55 -0.41 -0.40 0.52 -1.73	
32 17 23 33-0006 LF Single 12" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping ..... Note: Includes yellow or white. <i>For Up To 5,000 LF, Add</i> <i>For &gt;25,000 LF, Deduct</i> <i>For 60 mils Thick, Deduct</i> <i>For 125 mils Thick, Add</i> <i>For Broken Line, Deduct</i>	4.05 0.81 -0.61 -0.61 0.78 -2.60	
32 17 23 33-0007 LF Double 4" Wide Solid Lines, 90 Mil Thick, Thermoplastic Reflective Pavement Striping ..... Note: Includes yellow or white. <i>For Up To 5,000 LF, Add</i> <i>For &gt;25,000 LF, Deduct</i> <i>For 60 mils Thick, Deduct</i> <i>For 125 mils Thick, Add</i> <i>For Broken Line On One Side, Deduct</i> <i>For Double Broken Line, Deduct</i>	2.74 0.55 -0.41 -0.40 0.52 -0.87 -1.73	
32 17 23 33-0008 LF Double 6" Wide Solid Lines, 90 Mil Thick, Thermoplastic Reflective Pavement Striping ..... Note: Includes yellow or white. <i>For Up To 5,000 LF, Add</i> <i>For &gt;25,000 LF, Deduct</i> <i>For 60 mils Thick, Deduct</i> <i>For 125 mils Thick, Add</i> <i>For Broken Line On One Side, Deduct</i> <i>For Double Broken Line, Deduct</i>	4.05 0.81 -0.61 -0.61 0.78 -1.30 -2.60	
32 17 23 33-0009 SF Solid Area, 90 Mil Thick, Thermoplastic Reflective Pavement Marking ..... Note: Includes yellow or white. <i>For 60 mils Thick, Deduct</i> <i>For 125 mils Thick, Add</i>	7.79 -0.60 0.78	
32 17 23 33-0010 EA 6" High, Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking ..... <i>For Up To 10, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 200, Deduct</i> <i>For &gt;200, Deduct</i> <i>For 60 mils Thick, Deduct</i> <i>For 125 mils Thick, Add</i>	5.06 0.49 -0.24 -0.33 -0.65 -0.32 0.41	

**32 Exterior Improvements****32 10 Bases, Ballasts, and Paving****32 17 Paving Specialties**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 33-0011 EA 12" High, Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking .....	11.43	
For Up To 10, Add	0.74	
For >50 To 100, Deduct	-0.37	
For >100 To 200, Deduct	-0.49	
For >200, Deduct	-0.98	
For 60 mils Thick, Deduct	-1.14	
For 125 mils Thick, Add	1.46	
32 17 23 33-0012 EA 24" High, Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking .....	19.57	
For Up To 10, Add	1.23	
For >50 To 100, Deduct	-0.61	
For >100 To 200, Deduct	-0.82	
For >200, Deduct	-1.64	
For 60 mils Thick, Deduct	-1.99	
For 125 mils Thick, Add	2.56	
32 17 23 33-0013 EA 36" High, Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking .....	36.46	
For Up To 10, Add	2.47	
For >50 To 100, Deduct	-1.23	
For >100 To 200, Deduct	-1.64	
For >200, Deduct	-3.29	
For 60 mils Thick, Deduct	-3.50	
For 125 mils Thick, Add	4.50	
32 17 23 33-0014 EA 48" High, Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking .....	44.41	
For Up To 10, Add	2.76	
For >50 To 100, Deduct	-1.38	
For >100 To 200, Deduct	-1.84	
For >200, Deduct	-3.68	
For 60 mils Thick, Deduct	-4.55	
For 125 mils Thick, Add	5.85	
32 17 23 33-0015 EA 72" High, Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking .....	80.29	
For Up To 10, Add	4.91	
For >50 To 100, Deduct	-2.46	
For >100 To 200, Deduct	-3.27	
For >200, Deduct	-6.55	
For 60 mils Thick, Deduct	-8.32	
For 125 mils Thick, Add	10.70	
32 17 23 33-0016 EA 96" High, Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking .....	106.52	
For Up To 10, Add	6.59	
For >50 To 100, Deduct	-3.30	
For >100 To 200, Deduct	-4.40	
For >200, Deduct	-8.79	
For 60 mils Thick, Deduct	-10.95	
For 125 mils Thick, Add	14.08	
32 17 23 33-0017 EA 120" High, Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking .....	194.09	
For Up To 10, Add	8.17	
For >50 To 100, Deduct	-4.08	
For >100 To 200, Deduct	-5.45	
For >200, Deduct	-10.89	
For 60 mils Thick, Deduct	-24.44	
For 125 mils Thick, Add	31.42	
32 17 23 33-0018 SF Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking .....	9.42	
For 60 mils Thick, Deduct	-0.79	
For 125 mils Thick, Add	1.01	
32 17 23 33-0019 SY Cross Hatch, 90 Mil Thick, Thermoplastic Reflective Pavement Marking .....	25.87	
Note: Per SY of area.		
For 60 mils Thick, Deduct	-1.36	
For 125 mils Thick, Add	1.75	
32 17 23 33-0020 EA Handicap Symbol, 90 Mil Thick, Thermoplastic Reflective Pavement Marking .....	241.86	
For 60 mils Thick, Deduct	-18.13	
For 125 mils Thick, Add	23.31	
32 17 23 33-0021 EA Railroad Symbol, 90 Mil Thick, Thermoplastic Reflective Pavement Marking .....	720.85	
For 60 mils Thick, Deduct	-55.18	
For 125 mils Thick, Add	70.94	
32 17 23 33-0022 EA Bike Lane Symbol, 90 Mil Thick, Thermoplastic Reflective Pavement Marking .....	171.71	
Note: Approximate overall dimensions: 4' width x 8' height.		
For 60 mils Thick, Deduct	-24.98	
For 125 mils Thick, Add	32.12	
32 17 23 33-0023 EA Diamond Symbol, 90 Mil Thick, Thermoplastic Reflective Pavement Marking .....	115.67	
For 60 mils Thick, Deduct	-8.67	
For 125 mils Thick, Add	11.15	
32 17 23 33-0024 SF Symbols, 90 Mil Thick, Thermoplastic Reflective Pavement Marking .....	10.51	
Note: Handicap, railroad, diamond, arrows, etc.		
For 60 mils Thick, Deduct	-0.79	
For 125 mils Thick, Add	1.01	
32 17 23 33-0025 EA 10' Arrow, Type I, 90 Mil Thick, Thermoplastic Reflective Pavement Marking .....	147.21	
For 60 mils Thick, Deduct	-11.04	
For 125 mils Thick, Add	14.19	
32 17 23 33-0026 EA 18' Arrow, Type I, 90 Mil Thick, Thermoplastic Reflective Pavement Marking .....	262.88	
For 60 mils Thick, Deduct	-19.71	
For 125 mils Thick, Add	25.34	
32 17 23 33-0027 EA 24' Arrow, Type I, 90 Mil Thick, Thermoplastic Reflective Pavement Marking .....	325.97	
For 60 mils Thick, Deduct	-24.44	
For 125 mils Thick, Add	31.42	
32 17 23 33-0028 EA 24' Arrow With Single (L or R) Turn Arrow, Type II, 90 Mil Thick, Thermoplastic Reflective Pavement Marking .....	473.18	
For 60 mils Thick, Deduct	-35.47	
For 125 mils Thick, Add	45.61	



		<b>Exterior Improvements</b>	<b>32</b>
		<b>Bases, Ballasts, and Paving</b>	<b>32 10</b>
		<b>Paving Specialties</b>	<b>32 17</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 33-0029 EA 24' Arrow With Both (L and R) Turn Arrows, Type II, 90 Mil Thick, Thermoplastic Reflective Pavement Marking .....	620.40	
For 60 mils Thick, Deduct	-46.51	
For 125 mils Thick, Add	59.79	
32 17 23 33-0030 EA 24' Arrow Single (L or R) Turn Arrow, Type III, 90 Mil Thick, Thermoplastic Reflective Pavement Marking .....	441.64	
For 60 mils Thick, Deduct	-33.11	
For 125 mils Thick, Add	42.57	
32 17 23 33-0031 EA 24' Arrow Both (L and R) Turn Arrows, Type III, 90 Mil Thick, Thermoplastic Reflective Pavement Marking .....	767.61	
For 60 mils Thick, Deduct	-57.54	
For 125 mils Thick, Add	73.98	
32 17 23 33-0032 EA 8' Turn Arrow (L or R), Type IV, 90 Mil Thick, Thermoplastic Reflective Pavement Marking .....	157.73	
For 60 mils Thick, Deduct	-11.82	
For 125 mils Thick, Add	15.20	
32 17 23 33-0033 EA 24' Arrow, Type V, 90 Mil Thick, Thermoplastic Reflective Pavement Marking .....	347.00	
For 60 mils Thick, Deduct	-26.01	
For 125 mils Thick, Add	33.44	
32 17 23 33-0034 EA 18' Arrow, Type VI, 90 Mil Thick, Thermoplastic Reflective Pavement Marking .....	441.64	
For 60 mils Thick, Deduct	-33.11	
For 125 mils Thick, Add	42.57	
32 17 23 33-0035 EA 13' Arrow With Single (L or R) Turn Arrow, Type VII, 90 Mil Thick, Thermoplastic Reflective Pavement Marking.....	283.91	
For 60 mils Thick, Deduct	-21.28	
For 125 mils Thick, Add	27.36	
32 17 23 33-0036 EA 15' Arrow With Both (L and R) Turn Arrows, Type VIII, 90 Mil Thick, Thermoplastic Reflective Pavement Marking.....	378.55	
For 60 mils Thick, Deduct	-28.38	
For 125 mils Thick, Add	36.48	
32 17 23 33-0037 EA 5' Arrow, Bike Lane, 90 Mil Thick, Thermoplastic Reflective Pavement Marking.....	73.61	
For 60 mils Thick, Deduct	-5.52	
For 125 mils Thick, Add	7.09	
<b>32 17 23 33-0038 Thermoplastic Reflective Pavement Striping By Hand For Repairs (32 17 23 33-0001)</b>		
32 17 23 33-0039 LF Single 4" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping By Hand For Repairs .....	2.69	
For 60 mils Thick, Deduct	-0.20	
For 125 mils Thick, Add	0.26	
32 17 23 33-0040 LF Single 6" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping By Hand For Repairs .....	3.48	
For 60 mils Thick, Deduct	-0.30	
For 125 mils Thick, Add	0.39	
32 17 23 33-0041 LF Single 8" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping By Hand For Repairs .....	4.34	
For 60 mils Thick, Deduct	-0.40	
For 125 mils Thick, Add	0.52	
32 17 23 33-0042 LF Single 12" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping By Hand For Repairs .....	6.29	
For 60 mils Thick, Deduct	-0.61	
For 125 mils Thick, Add	0.78	
32 17 23 33-0043 LF Single 24" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping By Hand For Repairs .....	11.52	
For 60 mils Thick, Deduct	-1.21	
For 125 mils Thick, Add	1.56	
<b>32 17 23 33-0044 Preformed, Patterned Reflective Pavement Marking Tape (32 17 23 33-0001)</b>		
Note: Applied with pressure sensitive adhesive. Includes adhesive. 60 mil thickness. (3M Stamark 380 Series).		
32 17 23 33-0045 LF Single 4" Wide Solid Line, 60 Mil Thick, Preformed Patterned Thermoplastic Reflective Pavement Striping .....	3.14	
Note: Includes yellow or white.		
For Up To 5,000 LF, Add	0.63	
For >25,000 LF, Deduct	-0.47	
32 17 23 33-0046 LF Single 6" Wide Solid Line, 60 Mil Thick, Preformed Patterned Thermoplastic Reflective Pavement Striping .....	4.66	
Note: Includes yellow or white.		
For Up To 5,000 LF, Add	0.93	
For >25,000 LF, Deduct	-0.70	
32 17 23 33-0047 LF Single 8" Wide Solid Line, 60 Mil Thick, Preformed Patterned Thermoplastic Reflective Pavement Striping .....	6.18	
Note: Includes yellow or white.		
For Up To 5,000 LF, Add	1.24	
For >25,000 LF, Deduct	-0.93	
32 17 23 33-0048 LF Single 12" Wide Solid Line, 60 Mil Thick, Preformed Patterned Thermoplastic Reflective Pavement Striping .....	9.18	
Note: Includes yellow or white.		
For Up To 5,000 LF, Add	1.84	
For >25,000 LF, Deduct	-1.38	
32 17 23 33-0049 SF Solid Area, 60 Mil Thick, Preformed Patterned Thermoplastic Reflective Pavement Marking Tape.....	24.07	
Note: Includes yellow or white.		
32 17 23 33-0050 EA 6" High, Preformed Letter/Number, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape.....	35.96	
For <10, Add	0.89	
For >50 To 100, Deduct	-0.45	
For >100 To 200, Deduct	-0.59	
For >200, Deduct	-1.19	
32 17 23 33-0051 EA 12" High, Preformed Letter/Number, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape.....	64.66	
For <10, Add	1.13	
For >50 To 100, Deduct	-0.56	
For >100 To 200, Deduct	-0.75	
For >200, Deduct	-1.51	
32 17 23 33-0052 EA 24" High, Preformed Letter/Number, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape.....	110.29	
For <10, Add	2.24	
For >50 To 100, Deduct	-1.12	
For >100 To 200, Deduct	-1.49	
For >200, Deduct	-2.98	

**32 Exterior Improvements****32 10 Bases, Ballasts, and Paving****32 17 Paving Specialties**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 33-0053	EA	36" High, Preformed Letter/Number, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape .....	155.92	
		<i>For &lt;10, Add</i>	4.48	
		<i>For &gt;50 To 100, Deduct</i>	-2.24	
		<i>For &gt;100 To 200, Deduct</i>	-2.98	
		<i>For &gt;200, Deduct</i>	-5.97	
32 17 23 33-0054	EA	48" High, Preformed Letter/Number, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape .....	183.36	
		<i>For &lt;10, Add</i>	5.02	
		<i>For &gt;50 To 100, Deduct</i>	-2.51	
		<i>For &gt;100 To 200, Deduct</i>	-3.35	
		<i>For &gt;200, Deduct</i>	-6.69	
32 17 23 33-0055	EA	72" High, Preformed Letter/Number, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape .....	228.03	
		<i>For &lt;10, Add</i>	8.93	
		<i>For &gt;50 To 100, Deduct</i>	-4.47	
		<i>For &gt;100 To 200, Deduct</i>	-5.95	
		<i>For &gt;200, Deduct</i>	-11.91	
32 17 23 33-0056	EA	96" High, Preformed Letter/Number, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape .....	289.11	
		<i>For &lt;10, Add</i>	11.99	
		<i>For &gt;50 To 100, Deduct</i>	-6.00	
		<i>For &gt;100 To 200, Deduct</i>	-8.00	
		<i>For &gt;200, Deduct</i>	-15.99	
32 17 23 33-0057	EA	120" High, Preformed Letter/Number, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape .....	362.84	
		<i>For &lt;10, Add</i>	14.86	
		<i>For &gt;50 To 100, Deduct</i>	-7.43	
		<i>For &gt;100 To 200, Deduct</i>	-9.91	
		<i>For &gt;200, Deduct</i>	-19.81	
32 17 23 33-0058	SF	Preformed Arrow, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape .....	24.65	
32 17 23 33-0059	SF	Preformed Symbol, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape.....	25.74	
		Note: Handicap, railroad, diamond symbol, etc.		
<b>32 17 23 33-0060</b>		<b>Preformed, Thermoplastic Reflective Pavement Marking</b> <small>(32 17 23 33-0001)</small>		
		Note: Heat applied. (Flint PreMark or HotTape Series).		
32 17 23 33-0061	EA	Preformed Bike Lane Symbol, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape .....	398.56	
		Note: Approximate overall dimensions: 4' width x 8' height.		
32 17 23 33-0062	EA	Preformed Railroad Crossing Symbol, 125 Mil Thick, Thermoplastic Reflective Pavement Marking Tape .....	1,059.18	
		Note: Approximate overall dimensions: 8' width x 20' height. Excludes transverse lines.		
32 17 23 33-0063	EA	Preformed Preferential Lane Symbol (Diamond), 125 Mil Thick, Thermoplastic Reflective Pavement Marking Tape .....	201.81	
		Note: Approximate overall dimensions: 3-1/4' width x 13' height.		
32 17 23 33-0064	EA	6' Height, Preformed Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape .....	166.37	
		Note: Approximate overall dimensions: 2' width x 6' height.		
32 17 23 33-0065	EA	9-1/2' Height, Preformed Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape .....	339.24	
		Note: Approximate overall dimensions: 3-1/4' width x 9-1/2' height.		
32 17 23 33-0066	EA	4' Height, Preformed Turn Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape .....	195.98	
		Note: Approximate overall dimensions: 3' width x 4' height.		
32 17 23 33-0067	EA	8' Height, Preformed Turn Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape .....	379.89	
		Note: Approximate overall dimensions: 6' width x 8' height.		
32 17 23 33-0068	EA	Preformed Turn And Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape .....	661.73	
		Note: Approximate overall dimensions: 7-1/4' width x 12-3/4' height.		
32 17 23 33-0069	EA	Preformed Dual Turn And Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape .....	1,006.15	
		Note: Approximate overall dimensions: 11-1/4' width x 13-1/4' height.		
32 17 23 33-0070	EA	Preformed Elongated Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape .....	346.33	
		Note: Approximate overall dimensions: 1-2/3' width x 12' height.		
32 17 23 33-0071	EA	Preformed Elongated Turn Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape .....	386.98	
		Note: Approximate overall dimensions: 3' width x 12' height.		
32 17 23 33-0072	EA	Preformed Elongated Dual Turn Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape .....	730.50	
		Note: Approximate overall dimensions: 5-1/2' width x 12' height.		
32 17 23 33-0073	EA	Preformed Elongated Turn And Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape .....	669.69	
		Note: Approximate overall dimensions: 3-1/2' width x 20' height.		
32 17 23 33-0074	EA	Preformed Elongated Dual Turn And Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape .....	671.87	
		Note: Approximate overall dimensions: 5-1/2' width x 20' height.		
32 17 23 33-0075	EA	Preformed Lane-Reduction Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape .....	936.15	
		Note: Approximate overall dimensions: 5-1/2' width x 18' height.		
<b>32 17 23 33-0076</b>		<b>Thermoplastic Pavement Striping, Letters And Symbols For Parking Areas</b>		
		<small>(32 17 23 33)</small>		
<b>32 17 23 33-0077</b>		<b>Thermoplastic Pavement Marking Symbols For Parking Areas</b> <small>(32 17 23 33-0076)</small>		
		Note: Heat applied. (Flint PreMark Series).		
32 17 23 33-0078	EA	28" Handicap Symbol For Standard Parking Stalls, 90 Mil Thick, Thermoplastic Pavement Marking Tape For Parking Areas .....	131.82	
		Note: White or blue symbol. Excludes striping.		
32 17 23 33-0079	EA	39" Handicap Symbol For Standard Parking Stalls, 90 Mil Thick, Thermoplastic Pavement Marking Tape For Parking Areas .....	517.39	
32 17 23 33-0080	EA	40" x 40" Handicap Symbol For Van Parking Stalls, 90 Mil Thick, Thermoplastic Pavement Marking Tape For Parking Areas .....	288.59	
		Note: White symbol on blue background. Excludes striping.		
32 17 23 33-0081	EA	45" x 45" Handicap Symbol For Van Parking Stalls, 90 Mil Thick, Thermoplastic Pavement Marking Tape For Parking Areas .....	348.08	
		Note: White symbol on blue background. Excludes striping.		
32 17 23 33-0082	EA	48" x 48" Handicap Symbol For Van Parking Stalls, 90 Mil Thick, Thermoplastic Pavement Marking Tape For Parking Areas .....	365.04	



<b>Exterior Improvements</b>	<b>32</b>	<b>32</b>
<b>Bases, Ballasts, and Paving</b>	<b>32 10</b>	
<b>Paving Specialties</b>	<b>32 17</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**32 17 26 Tactile Warning Surfaces** (32 17)

<b>32 17 26 00-0001</b>	<b>Vitrified Polymer Composite (VPC); (Armor Tile)</b> <small>(32 17 26)</small>		
	Note: Truncated dome, raised strips or directional bars. All colors.		
32 17 26 00-0002	SF Surface Applied VPC Truncated Dome Detectable Warning Surface.....	66.52	8.79
	Note: Includes adhesive, fasteners and sealant at perimeter. Also raised strips or directional bars. All colors.		
32 17 26 00-0003	SF Embedded, VPC Truncated Dome Detectable Warning Surface.....	55.09	8.79
	Note: Also raised strips or directional bars. All colors.		
32 17 26 00-0004	EA 30.5" x 24" x 2" Precast Concrete Truncated Dome Panel Set In Thinset.....	367.82	
32 17 26 00-0005	LF 24" Wide Temporary Truncated Dome Strips, Screw Down Only Into Asphalt Or Concrete.....	91.70	17.57
<b>32 17 26 00-0006</b>	<b>Fiber-Reinforced, Polymermodified Cement And Coated With Acrylic Resin Emulsion (SatetyStep TD)</b> <small>(32 17 26)</small>		
	Note: Pre-molded tactile dome sheet. All colors.		
32 17 26 00-0007	SF Up To 15 SF, Surface Applied Pre-Molded Tactile Warning Mat (SSTD-MAT).....	76.16	8.79
	Note: Includes surface preparation, SSTD-589 adhesive, SSTD-100 topcoat sealer and SSTD-1250 finish . All colors. 2' or 3' width.		
32 17 26 00-0008	SF >15 To 36 SF, Surface Applied Pre-Molded Tactile Warning Mat (SSTD-MAT).....	68.26	8.79
	Note: Includes surface preparation, SSTD-589 adhesive, SSTD-100 top coat sealer and SSTD-1250 finish . All colors. 2' or 3' width.		

**32 30 Site Improvements** (32)

**32 31 Fences and Gates** (32 30)

**32 31 11 Gate Operators** (32 31)

<b>32 31 11 00-0001</b>	<b>Gate Operators</b> <small>(32 31 11)</small>		
	Note: Excludes gates, electrical connections, access controls and concrete foundation.		
<b>32 31 11 00-0002</b>	<b>Gate Operators (DKS™ DoorKing®)</b> <small>(32 31 11 00-0001)</small>		
<b>32 31 11 00-0003</b>	<b>Swing Gate Actuator (DKS™ DoorKing®)</b> <small>(32 31 11 00-0002)</small>		
<b>32 31 11 00-0004</b>	<b>Single Gate, Swing Gate Actuator</b> <small>(32 31 11 00-0003)</small>		
32 31 11 00-0005	EA Up To 10' Wide Gate, 1/2 HP Motor, 115 Volt AC, Single Gate, Swing Gate Actuator (DKS™ DoorKing® 6003).....	1,959.73	207.13
	Note: Includes one primary operator with a 10' wide gate capacity.		
32 31 11 00-0006	EA Up To 14' Wide Gate, 1/2 HP Motor, 115 Volt AC, Single Gate, Swing Gate Actuator (DKS™ DoorKing® 6002).....	2,629.44	207.13
	Note: Includes one primary operator with a 14' wide gate capacity.		
<b>32 31 11 00-0007</b>	<b>Dual Gate, Swing Gate Actuator</b> <small>(32 31 11 00-0003)</small>		
32 31 11 00-0008	EA Up To 10' Wide Gates, 1/2 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Actuator (DKS™ DoorKing® 6003).....	3,919.46	414.25
	Note: Includes one primary and one secondary operator each with a 10' wide gate capacity.		
32 31 11 00-0009	EA Up To 14' Wide Gates, 1/2 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Actuator (DKS™ DoorKing® 6002).....	5,258.88	414.25
	Note: Includes one primary and one secondary operator each with a 14' wide gate capacity.		
<b>32 31 11 00-0010</b>	<b>Swing Gate Operators (DKS™ DoorKing®)</b> <small>(32 31 11 00-0002)</small>		
<b>32 31 11 00-0011</b>	<b>Single Gate, Swing Gate Operators</b> <small>(32 31 11 00-0010)</small>		
32 31 11 00-0012	EA 400 LB Capacity, Up To 10' Wide Gate, 1/2 HP Motor, 115 Volt AC, Single Gate, Swing Gate Operator (DKS™ DoorKing® 6050).....	4,054.71	207.13
	Note: Includes one primary operator with a 10' wide and 400 LB gate capacity.		
32 31 11 00-0013	EA 500 LB Capacity, Up To 14' Wide Gate, 1/2 HP Motor, 115 Volt AC, Single Gate, Swing Gate Operator (DKS™ DoorKing® 6100).....	4,415.33	207.13
	Note: Includes one primary operator with a 14' wide and 500 LB gate capacity.		
32 31 11 00-0014	EA 700 LB Capacity, Up To 18' Wide Gate, 1/2 HP Motor, 115 Volt AC, Single Gate, Swing Gate Operator (DKS™ DoorKing® 6500).....	6,012.32	207.13
	Note: Includes one primary operator with an 18' wide and 700 LB gate capacity.		
	<i>For 208/230/460 Volt AC, Add</i>	322.50	
32 31 11 00-0015	EA 800 LB Capacity, Up To 22' Wide Gate, 1 HP Motor, 115 Volt AC, Single Gate, Swing Gate Operator (DKS™ DoorKing® 6500).....	6,819.41	207.13
	Note: Includes one primary operator with a 22' wide and 800 LB gate capacity.		
	<i>For 208/230/460 Volt AC, Add</i>	322.50	
<b>32 31 11 00-0016</b>	<b>Dual Gate, Swing Gate Operators</b> <small>(32 31 11 00-0010)</small>		
32 31 11 00-0017	EA 400 LB Capacity, Up To 10' Wide Gates, 1/2 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Operator (DKS™ DoorKing® 6050).....	7,164.97	414.25
	Note: Includes one primary and one secondary operator each with a 10' wide and 400 LB gate capacity.		
32 31 11 00-0018	EA 500 LB Capacity, Up To 14' Wide Gates, 1/2 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Operator (DKS™ DoorKing® 6100).....	7,886.19	414.25
	Note: Includes one primary and one secondary operator each with a 14' wide and 500 LB gate capacity.		
32 31 11 00-0019	EA 700 LB Capacity, Up To 14' Wide Gates, 1/2 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Operator (DKS™ DoorKing® 6500).....	11,063.01	414.25
	Note: Includes one primary and one secondary operator each with an 18' wide and 700 LB gate capacity.		
	<i>For 208/230/460 Volt AC, Add</i>	322.50	
32 31 11 00-0020	EA 800 LB Capacity, Up To 22' Wide Gates, 1 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Operator (DKS™ DoorKing® 6500).....	12,831.73	414.25
	Note: Includes one primary and one secondary operator each with a 22' wide and 800 LB gate capacity.		
	<i>For 208/230/460 Volt AC, Add</i>	322.50	

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences and Gates**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
32 31 11 00-0021		<b>Sliding Gate Operators (DKS™ DoorKing®)</b> (32 31 11 00-0002) Note: Includes 20' of chain. See CSI section 32 31 11 00-0030 for additional chain over 20'.			
32 31 11 00-0022	EA	300 LB Capacity, Up To 16' Wide Gate, 1/2 HP Motor, 115 Volt AC, Sliding Gate Operator (DKS™ DoorKing® 9050).....	2,123.86		207.13
32 31 11 00-0023	EA	Note: Includes operator, chain brackets, hardware and 20' of #41 chain. 1,000 LB Capacity, Up To 30' Wide Gate, 1/2 HP Motor, 115 Volt AC, Sliding Gate Operator (DKS™ DoorKing® 9100).....	2,983.80		248.55
32 31 11 00-0024	EA	Note: Includes operator, chain brackets, hardware and 20' of #41 chain. 1,500 LB Capacity, Up To 45' Wide Gate, 1 HP Motor, 115 Volt AC, Sliding Gate Operator (DKS™ DoorKing® 9150).....	3,709.09		248.55
32 31 11 00-0025	EA	Note: Includes operator, chain brackets, hardware and 20' of #40 chain. 3,000 LB Capacity, Up To 100' Wide Gate, 1 HP Motor, 115 Volt AC, Sliding Gate Operator (DKS™ DoorKing® 9210).....	4,853.97		289.97
32 31 11 00-0026	EA	Note: Includes operator, chain brackets, hardware and 20' of #50 chain. 2,000 LB Capacity, Up To 100' Wide Gate, 1 HP Motor, 208/230 Volt AC, Variable Speed, Sliding Gate Operator (DKS™ DoorKing® 9220).....	5,972.98		289.97
32 31 11 00-0027	EA	Note: Includes operator, chain brackets, hardware and 20' of #50 chain. 5,000 LB Capacity, Up To 100' Wide Gate, 3 HP Motor, 208/230 Volt AC, Variable Speed, Sliding Gate Operator (DKS™ DoorKing® 9230).....	8,169.53		331.40
32 31 11 00-0028	EA	Note: Includes operator, chain brackets, hardware and 20' of #60 chain. 5,000 LB Capacity, Up To 100' Wide Gate, 3 HP Motor, 208/230 Volt AC, High Speed, Sliding Gate Operator (DKS™ DoorKing® 9530).....	13,717.98		331.40
32 31 11 00-0029	EA	Note: Includes operator, chain brackets, hardware and 20' of #60 chain. 10,000 LB Capacity, Up To 160' Wide Gate, 5 HP Motor, 208/230 Volt AC, High Speed, Sliding Gate Operator (DKS™ DoorKing® 9550).....	23,312.45		372.83
		Note: Includes operator, chain brackets, hardware and 20' of #60 chain.			
32 31 11 00-0030		<b>Accessories For Gate Actuators And Operators (DKS™ DoorKing®)</b> (32 31 11 00-0002)			
32 31 11 00-0031	EA	Single Channel Detector Loop For Gate Actuators And Operators (DKS™ DoorKing® 9410).....	632.55		
32 31 11 00-0032	EA	Two Channel Detector Loop For Gate Actuators And Operators (DKS™ DoorKing® 9409).....	1,229.05		
32 31 11 00-0033	EA	Heater Kit For Gate Actuators And Operators (DKS™ DoorKing® 1601).....	852.58		
32 31 11 00-0034	EA	Photoelectric Eye For Gate Actuators And Operators (DKS™ DoorKing® 8080-031).....	918.26		
32 31 11 00-0035	EA	Reversing Edge Sensor For Gate Actuators And Operators (DKS™ DoorKing® 8080-020).....	815.23		
32 31 11 00-0036	EA	Post Mount Base Plate For Gate Actuators And Operators (DKS™ DoorKing® 9310).....	566.23		
32 31 11 00-0037	LF	#40 Chain For Sliding Gate Operators.....	6.77		
32 31 11 00-0038	LF	#41 Chain For Sliding Gate Operators.....	7.08		
32 31 11 00-0039	LF	#50 Chain For Sliding Gate Operators.....	9.09		
32 31 11 00-0040	LF	#60 Chain For Sliding Gate Operators.....	14.07		
32 31 11 00-0041	EA	Exterior Keypad Gate Operator (Linear AK-11).....	646.96		113.15
32 31 11 00-0042		<b>Sliding Gate Operator (LiftMaster)</b> (32 31 11 00-0001)			
32 31 11 00-0043	EA	Up To 1,500 LB Capacity, 120/230 Volt, Single Phase, Sliding Gate Operator With 24 Volt DC Motor (Liftmaster® CSL24U).....	2,818.44		254.82
		Note: Includes 30' Chain, Retro-Reflective Photoelectric Sensor and Reflector Hoods (LMRRUL) and 5' Resistive Safety Edge (S505AL).			
		For Monitored Wireless Edge Receiver And Transmitter Option (Liftmaster LMWEKITU), Add	191.03		
		For Plug-In Loop Detector Option (Liftmaster LOOPDETLM), Add	136.74		
		For LED Strobe Light With Siren (Liftmaster SL-1301-SAQ), Add	67.34		
		For 10 Watt Solar Panel (Liftmaster SP10W12V), Add	270.67		
		For Each Additional 10' Chain, Add	40.54		
32 31 13		<b>Chain Link Fences and Gates</b> (32 31)			
32 31 13 13		<b>Chain Link Fences and Gates</b> (32 31 13)			
32 31 13 13-0001		<b>Post Holes</b> (32 31 13 13) Note: Excludes spreading of excess material on site or loading and removal of excavated material from site. See CSI section 02 41 19 13-0081 for core drilling in concrete, 02 41 19 13-0219 for core drilling in asphalt.			
32 31 13 13-0002		<b>Auger By Machine Fence Post Hole In Soil</b> (32 31 13 13-0001)			
32 31 13 13-0003	VLF	Up To 2-1/2" Diameter Hole, Auger By Machine Fence Post Hole In Soil.....	9.52		
32 31 13 13-0004	VLF	2-1/2" Diameter Hole, Auger By Machine Fence Post Hole In Soil.....	10.72		
32 31 13 13-0005	VLF	3" Diameter Hole, Auger By Machine Fence Post Hole In Soil.....	12.70		
32 31 13 13-0006	VLF	4" Diameter Hole, Auger By Machine Fence Post Hole In Soil.....	14.29		
32 31 13 13-0007	VLF	6" Diameter Hole, Auger By Machine Fence Post Hole In Soil.....	15.58		
32 31 13 13-0008	VLF	8" Diameter Hole, Auger By Machine Fence Post Hole In Soil.....	17.14		
32 31 13 13-0009	VLF	10" Diameter Hole, Auger By Machine Fence Post Hole In Soil.....	19.05		
32 31 13 13-0010	VLF	12" Diameter Hole, Auger By Machine Fence Post Hole In Soil.....	21.43		
32 31 13 13-0011	VLF	18" Diameter Hole, Auger By Machine Fence Post Hole In Soil.....	24.49		
32 31 13 13-0012	VLF	24" Diameter Hole, Auger By Machine Fence Post Hole In Soil.....	28.57		
32 31 13 13-0013	VLF	30" Diameter Hole, Auger By Machine Fence Post Hole In Soil.....	34.29		
32 31 13 13-0014	VLF	36" Diameter Hole, Auger By Machine Fence Post Hole In Soil.....	42.87		
32 31 13 13-0015		<b>Post Hole In Rock</b> (32 31 13 13-0001)			
32 31 13 13-0016	CF	Jackhammer Post Hole In Rock.....	70.27		
32 31 13 13-0017	CF	Rock Drill Post Hole In Rock.....	20.72		





		<b>Exterior Improvements</b>	<b>32</b>
		Site Improvements	32 30
		Fences and Gates	32 31

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 31 13 13-0018	<b>Fill For Post Holes</b> <small>(32 31 13 13-0001)</small> See CSI section 03 21 00 00-0000 for reinforcing steel.		
32 31 13 13-0019	<b>Concrete Fill For Post Holes</b> <small>(32 31 13 13-0018)</small>		
32 31 13 13-0020	VLF Up To 2-1/2" Diameter, Concrete Fill For Post Hole .....	5.99	
32 31 13 13-0021	VLF 2-1/2" Diameter, Concrete Fill For Post Hole .....	7.68	
32 31 13 13-0022	VLF 3" Diameter, Concrete Fill For Post Hole .....	8.52	
32 31 13 13-0023	VLF 4" Diameter, Concrete Fill For Post Hole .....	9.93	
32 31 13 13-0024	VLF 6" Diameter, Concrete Fill For Post Hole .....	14.09	
32 31 13 13-0025	VLF 8" Diameter, Concrete Fill For Post Hole .....	18.82	
32 31 13 13-0026	VLF 10" Diameter, Concrete Fill For Post Hole .....	23.06	
32 31 13 13-0027	VLF 12" Diameter, Concrete Fill For Post Hole .....	26.97	
32 31 13 13-0028	VLF 18" Diameter, Concrete Fill For Post Hole .....	37.16	
32 31 13 13-0029	VLF 24" Diameter, Concrete Fill For Post Hole .....	46.53	
32 31 13 13-0030	VLF 30" Diameter, Concrete Fill For Post Hole .....	55.70	
32 31 13 13-0031	VLF 36" Diameter, Concrete Fill For Post Hole .....	65.28	
32 31 13 13-0032	<b>Grout Fill For Post Holes</b> <small>(32 31 13 13-0018)</small>		
32 31 13 13-0033	VLF Up To 2-1/2" Diameter, Grout Fill For Post Hole .....	6.98	
32 31 13 13-0034	VLF 2-1/2" Diameter, Grout Fill For Post Hole .....	8.96	
32 31 13 13-0035	VLF 3" Diameter, Grout Fill For Post Hole .....	9.82	
32 31 13 13-0036	VLF 4" Diameter, Grout Fill For Post Hole .....	11.19	
32 31 13 13-0037	VLF 6" Diameter, Grout Fill For Post Hole .....	15.73	
32 31 13 13-0038	VLF 8" Diameter, Grout Fill For Post Hole .....	20.99	
32 31 13 13-0039	VLF 10" Diameter, Grout Fill For Post Hole .....	25.64	
32 31 13 13-0040	VLF 12" Diameter, Grout Fill For Post Hole .....	29.85	
32 31 13 13-0041	VLF 18" Diameter, Grout Fill For Post Hole .....	40.38	
32 31 13 13-0042	VLF 24" Diameter, Grout Fill For Post Hole .....	49.80	
32 31 13 13-0043	VLF 30" Diameter, Grout Fill For Post Hole .....	58.98	
32 31 13 13-0044	VLF 36" Diameter, Grout Fill For Post Hole .....	68.46	
32 31 13 13-0045	<b>Compacted Earth Fill For Post Holes</b> <small>(32 31 13 13-0018)</small>		
32 31 13 13-0046	VLF Up To 2-1/2" Diameter, Compacted Earth Fill For Post Hole .....	4.61	
32 31 13 13-0047	VLF 2-1/2" Diameter, Compacted Earth Fill For Post Hole .....	6.00	
32 31 13 13-0048	VLF 3" Diameter, Compacted Earth Fill For Post Hole .....	6.27	
32 31 13 13-0049	VLF 4" Diameter, Compacted Earth Fill For Post Hole .....	6.46	
32 31 13 13-0050	VLF 6" Diameter, Compacted Earth Fill For Post Hole .....	8.63	
32 31 13 13-0051	VLF 8" Diameter, Compacted Earth Fill For Post Hole .....	11.50	
32 31 13 13-0052	VLF 10" Diameter, Compacted Earth Fill For Post Hole .....	13.81	
32 31 13 13-0053	VLF 12" Diameter, Compacted Earth Fill For Post Hole .....	15.65	
32 31 13 13-0054	VLF 18" Diameter, Compacted Earth Fill For Post Hole .....	19.07	
32 31 13 13-0055	VLF 24" Diameter, Compacted Earth Fill For Post Hole .....	21.40	
32 31 13 13-0056	VLF 30" Diameter, Compacted Earth Fill For Post Hole .....	23.47	
32 31 13 13-0057	VLF 36" Diameter, Compacted Earth Fill For Post Hole .....	25.31	
32 31 13 13-0058	<b>Fence Posts</b> <small>(32 31 13 13)</small> Note: Demolition excludes concrete footing removal on posts and excavation. See CSI section 31 23 16 36-0009 for hand excavation for footing removal (where required), 32 31 13 13-0001 for drilling for augering holes and backfill.		
32 31 13 13-0059	<b>Fence Posts</b> <small>(32 31 13 13-0058)</small>		
32 31 13 13-0060	<b>1-7/8" H-Beam Post Without Top Rail Fitting, Galvanized Steel</b> <small>(32 31 13 13-0059)</small> Note: Includes cap and accessories.		
32 31 13 13-0061	LF 1-7/8" Galvanized H-beam Post, Up To 6' In Length .....	20.65	3.17
	For Each Top Rail Fitting, Add .....	0.85	
32 31 13 13-0062	LF 1-7/8" Galvanized H-beam Post, 7' To 10' In Length .....	19.76	2.70
	For Each Top Rail Fitting, Add .....	0.85	
32 31 13 13-0063	LF 1-7/8" Galvanized H-beam Post, 11' To 15' In Length .....	18.66	2.23
	For Each Top Rail Fitting, Add .....	0.85	
32 31 13 13-0064	LF 1-7/8" Galvanized H-beam Post, 16' To 20' In Length .....	17.77	1.76
	For Each Top Rail Fitting, Add .....	0.85	
32 31 13 13-0065	LF 1-7/8" Galvanized H-beam Post, 21' To 24' In Length .....	17.19	1.53
	For Each Top Rail Fitting, Add .....	0.85	
32 31 13 13-0066	LF 1-7/8" Galvanized H-beam Post, >24' In Length .....	16.27	1.05
	For Each Top Rail Fitting, Add .....	0.85	
32 31 13 13-0067	<b>Post Without Top Rail Fitting, Galvanized Steel (1.66" Nominal)</b> <small>(32 31 13 13-0059)</small> Note: 1-5/8" outside diameter, Schedule 40. Includes cap and accessories.		

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences and Gates**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0068 LF Up To 6' In Length, 1-5/8" Outside Diameter Galvanized Steel Post.....	14.06	2.94
For Each Top Rail Fitting, Add	0.85	
For Each Single Barbed Wire Arm, Add	1.90	
For Each Double Barbed Wire Arm, Add	3.40	
For SS40 (Hot-Dip Galvanized And Chromated), Add	2.05	
For Vinyl Coated, Add	4.91	
For Powder Coated, Add	6.54	
For Aluminum Coated, Add	10.23	
For Schedule 20, Deduct	-1.64	
For Schedule 80, Add	4.51	
32 31 13 13-0069 LF 7' To 10' In Length, 1-5/8" Outside Diameter Galvanized Steel Post.....	13.07	2.47
For Each Top Rail Fitting, Add	0.85	
For Each Single Barbed Wire Arm, Add	1.90	
For Each Double Barbed Wire Arm, Add	3.40	
For SS40 (Hot-Dip Galvanized And Chromated), Add	2.03	
For Vinyl Coated, Add	4.86	
For Powder Coated, Add	6.48	
For Aluminum Coated, Add	10.13	
For Schedule 20, Deduct	-1.62	
For Schedule 80, Add	4.39	
32 31 13 13-0070 LF 11' To 15' In Length, 1-5/8" Outside Diameter Galvanized Steel Post.....	12.02	2.00
For Each Top Rail Fitting, Add	0.85	
For Each Single Barbed Wire Arm, Add	1.90	
For Each Double Barbed Wire Arm, Add	3.40	
For SS40 (Hot-Dip Galvanized And Chromated), Add	2.02	
For Vinyl Coated, Add	4.84	
For Powder Coated, Add	6.45	
For Aluminum Coated, Add	10.08	
For Schedule 20, Deduct	-1.61	
For Schedule 80, Add	4.26	
32 31 13 13-0071 LF 16' To 20' In Length, 1-5/8" Outside Diameter Galvanized Steel Post.....	11.21	1.53
For Each Top Rail Fitting, Add	0.85	
For Each Single Barbed Wire Arm, Add	1.90	
For Each Double Barbed Wire Arm, Add	3.40	
For SS40 (Hot-Dip Galvanized And Chromated), Add	2.01	
For Vinyl Coated, Add	4.82	
For Powder Coated, Add	6.43	
For Aluminum Coated, Add	10.05	
For Schedule 20, Deduct	-1.61	
For Schedule 80, Add	4.18	
32 31 13 13-0072 LF 21' To 24' In Length, 1-5/8" Outside Diameter Galvanized Steel Post.....	10.68	1.29
For Each Top Rail Fitting, Add	0.85	
For Each Single Barbed Wire Arm, Add	1.90	
For Each Double Barbed Wire Arm, Add	3.40	
For SS40 (Hot-Dip Galvanized And Chromated), Add	2.01	
For Vinyl Coated, Add	4.82	
For Powder Coated, Add	6.42	
For Aluminum Coated, Add	10.04	
For Schedule 20, Deduct	-1.61	
For Schedule 80, Add	4.12	
32 31 13 13-0073 LF >24' In Length, 1-5/8" Outside Diameter Galvanized Steel Post.....	10.10	1.05
For Each Top Rail Fitting, Add	0.85	
For Each Single Barbed Wire Arm, Add	1.90	
For Each Double Barbed Wire Arm, Add	3.40	
For SS40 (Hot-Dip Galvanized And Chromated), Add	2.01	
For Vinyl Coated, Add	4.82	
For Powder Coated, Add	6.42	
For Aluminum Coated, Add	10.04	
For Schedule 20, Deduct	-1.61	
For Schedule 80, Add	4.06	
<b>32 31 13 13-0074 Post Without Top Rail Fitting, Galvanized Steel (1.90" Nominal)</b> (32 31 13 13-0059)		
Note: 2" outside diameter, Schedule 40. Includes cap and accessories.		
32 31 13 13-0075 LF 2" Outside Diameter Galvanized Steel Post, Up To 6' In Length.....	16.09	3.05
For Each Top Rail Fitting, Add	1.35	
For Each Single Barbed Wire Arm, Add	2.65	
For Each Double Barbed Wire Arm, Add	4.88	
For SS40 (Hot-Dip Galvanized And Chromated), Add	2.50	
For Vinyl Coated, Add	6.01	
For Powder Coated, Add	8.01	
For Aluminum Coated, Add	12.51	
For Schedule 20, Deduct	-2.00	
For Schedule 80, Add	5.41	
32 31 13 13-0076 LF 2" Outside Diameter Galvanized Steel Post, 7' To 10' In Length.....	15.16	2.58
For Each Top Rail Fitting, Add	1.35	
For Each Single Barbed Wire Arm, Add	2.65	
For Each Double Barbed Wire Arm, Add	4.88	
For SS40 (Hot-Dip Galvanized And Chromated), Add	2.48	
For Vinyl Coated, Add	5.94	
For Powder Coated, Add	7.92	
For Aluminum Coated, Add	12.38	
For Schedule 20, Deduct	-1.98	
For Schedule 80, Add	5.28	



<b>Exterior Improvements</b>	<b>32</b>	<b>32</b>
Site Improvements	32 30	
Fences and Gates	32 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0077 LF 2" Outside Diameter Galvanized Steel Post, 11' To 15' In Length .....	14.04	2.12
For Each Top Rail Fitting, Add	1.35	
For Each Single Barbed Wire Arm, Add	2.65	
For Each Double Barbed Wire Arm, Add	4.88	
For SS40 (Hot-Dip Galvanized And Chromated), Add	2.46	
For Vinyl Coated, Add	5.91	
For Powder Coated, Add	7.88	
For Aluminum Coated, Add	12.31	
For Schedule 20, Deduct	-1.97	
For Schedule 80, Add	5.15	
32 31 13 13-0078 LF 2" Outside Diameter Galvanized Steel Post, 16' To 20' In Length .....	13.17	1.65
For Each Top Rail Fitting, Add	1.35	
For Each Single Barbed Wire Arm, Add	2.65	
For Each Double Barbed Wire Arm, Add	4.88	
For SS40 (Hot-Dip Galvanized And Chromated), Add	2.46	
For Vinyl Coated, Add	5.89	
For Powder Coated, Add	7.86	
For Aluminum Coated, Add	12.28	
For Schedule 20, Deduct	-1.96	
For Schedule 80, Add	5.05	
32 31 13 13-0079 LF 2" Outside Diameter Galvanized Steel Post, 21' To 24' In Length .....	12.60	1.41
For Each Top Rail Fitting, Add	1.35	
For Each Single Barbed Wire Arm, Add	2.65	
For Each Double Barbed Wire Arm, Add	4.88	
For SS40 (Hot-Dip Galvanized And Chromated), Add	2.45	
For Vinyl Coated, Add	5.89	
For Powder Coated, Add	7.85	
For Aluminum Coated, Add	12.26	
For Schedule 20, Deduct	-1.96	
For Schedule 80, Add	4.99	
32 31 13 13-0080 LF 2" Outside Diameter Galvanized Steel Post, >24' In Length .....	12.09	1.18
For Each Top Rail Fitting, Add	1.35	
For Each Single Barbed Wire Arm, Add	2.65	
For Each Double Barbed Wire Arm, Add	4.88	
For SS40 (Hot-Dip Galvanized And Chromated), Add	2.45	
For Vinyl Coated, Add	5.89	
For Powder Coated, Add	7.85	
For Aluminum Coated, Add	12.26	
For Schedule 20, Deduct	-1.96	
For Schedule 80, Add	4.94	
<b>32 31 13 13-0081 Post Without Top Rail Fitting, Galvanized Steel (2.375" Nominal)</b> <small>(32 31 13 13-0059)</small>		
Note: 2-1/2" outside diameter, Schedule 40. Includes cap and accessories.		
32 31 13 13-0082 LF 2-1/2" Outside Diameter Galvanized Steel Post, Up To 6' In Length .....	19.64	3.29
For Each Top Rail Fitting, Add	1.35	
For Each Single Barbed Wire Arm, Add	2.65	
For Each Double Barbed Wire Arm, Add	4.88	
For SS40 (Hot-Dip Galvanized And Chromated), Add	3.31	
For Vinyl Coated, Add	7.94	
For Powder Coated, Add	10.59	
For Aluminum Coated, Add	16.55	
For Schedule 20, Deduct	-2.65	
For Schedule 80, Add	7.00	
32 31 13 13-0083 LF 2-1/2" Outside Diameter Galvanized Steel Post, 7' To 10' In Length .....	18.64	2.82
For Each Top Rail Fitting, Add	1.35	
For Each Single Barbed Wire Arm, Add	2.65	
For Each Double Barbed Wire Arm, Add	4.88	
For SS40 (Hot-Dip Galvanized And Chromated), Add	3.28	
For Vinyl Coated, Add	7.88	
For Powder Coated, Add	10.50	
For Aluminum Coated, Add	16.41	
For Schedule 20, Deduct	-2.63	
For Schedule 80, Add	6.85	
32 31 13 13-0084 LF 2-1/2" Outside Diameter Galvanized Steel Post, 11' To 15' In Length .....	17.48	2.23
For Each Top Rail Fitting, Add	1.35	
For Each Single Barbed Wire Arm, Add	2.65	
For Each Double Barbed Wire Arm, Add	4.88	
For SS40 (Hot-Dip Galvanized And Chromated), Add	3.27	
For Vinyl Coated, Add	7.84	
For Powder Coated, Add	10.46	
For Aluminum Coated, Add	16.34	
For Schedule 20, Deduct	-2.61	
For Schedule 80, Add	6.71	
32 31 13 13-0085 LF 2-1/2" Outside Diameter Galvanized Steel Post, 16' To 20' In Length .....	16.56	1.76
For Each Top Rail Fitting, Add	1.35	
For Each Single Barbed Wire Arm, Add	2.65	
For Each Double Barbed Wire Arm, Add	4.88	
For SS40 (Hot-Dip Galvanized And Chromated), Add	3.26	
For Vinyl Coated, Add	7.82	
For Powder Coated, Add	10.43	
For Aluminum Coated, Add	16.30	
For Schedule 20, Deduct	-2.61	
For Schedule 80, Add	6.61	

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences and Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13	13-0086	LF	2-1/2" Outside Diameter Galvanized Steel Post, 21 To 24' In Length.....	15.96	1.53
			<i>For Each Top Rail Fitting, Add</i>	1.35	
			<i>For Each Single Barbed Wire Arm, Add</i>	2.65	
			<i>For Each Double Barbed Wire Arm, Add</i>	4.88	
			<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	3.26	
			<i>For Vinyl Coated, Add</i>	7.81	
			<i>For Powder Coated, Add</i>	10.42	
			<i>For Aluminum Coated, Add</i>	16.28	
			<i>For Schedule 20, Deduct</i>	-2.60	
			<i>For Schedule 80, Add</i>	6.54	
32 31 13	13-0087	LF	2-1/2" Outside Diameter Galvanized Steel Post, >24' In Length.....	15.40	1.18
			<i>For Each Top Rail Fitting, Add</i>	1.35	
			<i>For Each Single Barbed Wire Arm, Add</i>	2.65	
			<i>For Each Double Barbed Wire Arm, Add</i>	4.88	
			<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	3.26	
			<i>For Vinyl Coated, Add</i>	7.81	
			<i>For Powder Coated, Add</i>	10.42	
			<i>For Aluminum Coated, Add</i>	16.28	
			<i>For Schedule 20, Deduct</i>	-2.60	
			<i>For Schedule 80, Add</i>	6.49	
32 31 13	13-0088		<b>Post Without Top Rail Fitting, Galvanized Steel (2.875" Nominal)</b> <small>(32 31 13 13-0059)</small>		
			Note: 3" outside diameter, Schedule 40. Includes cap and accessories.		
32 31 13	13-0089	LF	3" Outside Diameter Galvanized Steel Post, Up To 6' In Length.....	27.01	3.52
			<i>For Each Top Rail Fitting, Add</i>	1.85	
			<i>For Each Single Barbed Wire Arm, Add</i>	3.85	
			<i>For Each Double Barbed Wire Arm, Add</i>	7.05	
			<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	4.99	
			<i>For Vinyl Coated, Add</i>	11.98	
			<i>For Powder Coated, Add</i>	15.98	
			<i>For Aluminum Coated, Add</i>	24.96	
			<i>For Schedule 20, Deduct</i>	-3.99	
			<i>For Schedule 80, Add</i>	10.29	
32 31 13	13-0090	LF	3" Outside Diameter Galvanized Steel Post, 7' To 10' In Length.....	25.81	3.05
			<i>For Each Top Rail Fitting, Add</i>	1.85	
			<i>For Each Single Barbed Wire Arm, Add</i>	3.85	
			<i>For Each Double Barbed Wire Arm, Add</i>	7.05	
			<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	4.93	
			<i>For Vinyl Coated, Add</i>	11.84	
			<i>For Powder Coated, Add</i>	15.78	
			<i>For Aluminum Coated, Add</i>	24.66	
			<i>For Schedule 20, Deduct</i>	-3.95	
			<i>For Schedule 80, Add</i>	10.08	
32 31 13	13-0091	LF	3" Outside Diameter Galvanized Steel Post, 11' To 15' In Length.....	24.49	2.47
			<i>For Each Top Rail Fitting, Add</i>	1.85	
			<i>For Each Single Barbed Wire Arm, Add</i>	3.85	
			<i>For Each Double Barbed Wire Arm, Add</i>	7.05	
			<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	4.90	
			<i>For Vinyl Coated, Add</i>	11.76	
			<i>For Powder Coated, Add</i>	15.68	
			<i>For Aluminum Coated, Add</i>	24.50	
			<i>For Schedule 20, Deduct</i>	-3.92	
			<i>For Schedule 80, Add</i>	9.90	
32 31 13	13-0092	LF	3" Outside Diameter Galvanized Steel Post, 16' To 20' In Length.....	23.45	2.00
			<i>For Each Top Rail Fitting, Add</i>	1.85	
			<i>For Each Single Barbed Wire Arm, Add</i>	3.85	
			<i>For Each Double Barbed Wire Arm, Add</i>	7.05	
			<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	4.89	
			<i>For Vinyl Coated, Add</i>	11.72	
			<i>For Powder Coated, Add</i>	15.63	
			<i>For Aluminum Coated, Add</i>	24.43	
			<i>For Schedule 20, Deduct</i>	-3.91	
			<i>For Schedule 80, Add</i>	9.77	
32 31 13	13-0093	LF	3" Outside Diameter Galvanized Steel Post, 21' To 24' In Length.....	22.77	1.65
			<i>For Each Top Rail Fitting, Add</i>	1.85	
			<i>For Each Single Barbed Wire Arm, Add</i>	3.85	
			<i>For Each Double Barbed Wire Arm, Add</i>	7.05	
			<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	4.88	
			<i>For Vinyl Coated, Add</i>	11.71	
			<i>For Powder Coated, Add</i>	15.61	
			<i>For Aluminum Coated, Add</i>	24.39	
			<i>For Schedule 20, Deduct</i>	-3.90	
			<i>For Schedule 80, Add</i>	9.69	
32 31 13	13-0094	LF	3" Outside Diameter Galvanized Steel Post, >24' In Length.....	22.15	1.29
			<i>For Each Top Rail Fitting, Add</i>	1.85	
			<i>For Each Single Barbed Wire Arm, Add</i>	3.85	
			<i>For Each Double Barbed Wire Arm, Add</i>	7.05	
			<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	4.88	
			<i>For Vinyl Coated, Add</i>	11.70	
			<i>For Powder Coated, Add</i>	15.60	
			<i>For Aluminum Coated, Add</i>	24.38	
			<i>For Schedule 20, Deduct</i>	-3.90	
			<i>For Schedule 80, Add</i>	9.63	



<b>Exterior Improvements</b>	<b>32</b>	<b>32</b>
Site Improvements	32 30	
Fences and Gates	32 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>32 31 13 13-0095 Post Without Top Rail Fitting, Galvanized Steel, (4.00" Nominal)</b> <small>(32 31 13 13-0059)</small>		
<small>Note: 4" outside diameter, Schedule 40. Includes cap and accessories.</small>		
32 31 13 13-0096 LF 4" Outside Diameter Galvanized Steel Post, Up To 6' In Length .....	39.99	3.76
<i>For Each Top Rail Fitting, Add</i>	2.60	
<i>For Each Single Barbed Wire Arm, Add</i>	5.10	
<i>For Each Double Barbed Wire Arm, Add</i>	11.25	
<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	8.14	
<i>For Vinyl Coated, Add</i>	19.54	
<i>For Powder Coated, Add</i>	26.06	
<i>For Aluminum Coated, Add</i>	40.71	
<i>For Schedule 20, Deduct</i>	-6.51	
<i>For Schedule 80, Add</i>	16.38	
32 31 13 13-0097 LF 4" Outside Diameter Galvanized Steel Post, 7' To 10' In Length .....	38.30	3.05
<i>For Each Top Rail Fitting, Add</i>	2.60	
<i>For Each Single Barbed Wire Arm, Add</i>	5.10	
<i>For Each Double Barbed Wire Arm, Add</i>	11.25	
<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	8.03	
<i>For Vinyl Coated, Add</i>	19.27	
<i>For Powder Coated, Add</i>	25.70	
<i>For Aluminum Coated, Add</i>	40.15	
<i>For Schedule 20, Deduct</i>	-6.42	
<i>For Schedule 80, Add</i>	16.04	
32 31 13 13-0098 LF 4" Outside Diameter Galvanized Steel Post, 11' To 15' In Length .....	37.05	2.58
<i>For Each Top Rail Fitting, Add</i>	2.60	
<i>For Each Single Barbed Wire Arm, Add</i>	5.10	
<i>For Each Double Barbed Wire Arm, Add</i>	11.25	
<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	7.98	
<i>For Vinyl Coated, Add</i>	19.14	
<i>For Powder Coated, Add</i>	25.52	
<i>For Aluminum Coated, Add</i>	39.88	
<i>For Schedule 20, Deduct</i>	-6.38	
<i>For Schedule 80, Add</i>	15.83	
32 31 13 13-0099 LF 4" Outside Diameter Galvanized Steel Post, 16' To 20' In Length .....	35.92	2.12
<i>For Each Top Rail Fitting, Add</i>	2.60	
<i>For Each Single Barbed Wire Arm, Add</i>	5.10	
<i>For Each Double Barbed Wire Arm, Add</i>	11.25	
<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	7.95	
<i>For Vinyl Coated, Add</i>	19.07	
<i>For Powder Coated, Add</i>	25.43	
<i>For Aluminum Coated, Add</i>	39.74	
<i>For Schedule 20, Deduct</i>	-6.36	
<i>For Schedule 80, Add</i>	15.67	
32 31 13 13-0100 LF 4" Outside Diameter Galvanized Steel Post, 21' To 24' In Length .....	35.86	2.12
<i>For Each Top Rail Fitting, Add</i>	2.60	
<i>For Each Single Barbed Wire Arm, Add</i>	5.10	
<i>For Each Double Barbed Wire Arm, Add</i>	11.25	
<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	7.93	
<i>For Vinyl Coated, Add</i>	19.04	
<i>For Powder Coated, Add</i>	25.38	
<i>For Aluminum Coated, Add</i>	39.66	
<i>For Schedule 20, Deduct</i>	-6.35	
<i>For Schedule 80, Add</i>	15.64	
32 31 13 13-0101 LF 4" Outside Diameter Galvanized Steel Post, >24' In Length .....	34.66	1.53
<i>For Each Top Rail Fitting, Add</i>	2.60	
<i>For Each Single Barbed Wire Arm, Add</i>	5.10	
<i>For Each Double Barbed Wire Arm, Add</i>	11.25	
<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	7.93	
<i>For Vinyl Coated, Add</i>	19.03	
<i>For Powder Coated, Add</i>	25.38	
<i>For Aluminum Coated, Add</i>	39.65	
<i>For Schedule 20, Deduct</i>	-6.34	
<i>For Schedule 80, Add</i>	15.52	
<b>32 31 13 13-0102 Post Without Top Rail Fitting, Galvanized Steel (6.625" Nominal)</b> <small>(32 31 13 13-0059)</small>		
<small>Note: 6-5/8" outside diameter, Schedule 40. Includes cap and accessories.</small>		
32 31 13 13-0103 LF 6-5/8" Outside Diameter Galvanized Steel Post, Up To 6' In Length .....	79.16	4.12
<i>For Each Top Rail Fitting, Add</i>	4.55	
<i>For Each Single Barbed Wire Arm, Add</i>	7.15	
<i>For Each Double Barbed Wire Arm, Add</i>	14.95	
<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	17.73	
<i>For Vinyl Coated, Add</i>	42.55	
<i>For Powder Coated, Add</i>	56.74	
<i>For Aluminum Coated, Add</i>	88.65	
<i>For Schedule 20, Deduct</i>	-14.18	
<i>For Schedule 80, Add</i>	34.87	
32 31 13 13-0104 LF 6-5/8" Outside Diameter Galvanized Steel Post, 7' To 10' In Length .....	76.14	3.41
<i>For Each Top Rail Fitting, Add</i>	4.55	
<i>For Each Single Barbed Wire Arm, Add</i>	7.15	
<i>For Each Double Barbed Wire Arm, Add</i>	14.95	
<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	17.31	
<i>For Vinyl Coated, Add</i>	41.54	
<i>For Powder Coated, Add</i>	55.38	
<i>For Aluminum Coated, Add</i>	86.54	
<i>For Schedule 20, Deduct</i>	-13.85	
<i>For Schedule 80, Add</i>	33.92	

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences and Gates**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0105 LF 6-5/8" Outside Diameter Galvanized Steel Post, 11' To 15' In Length.....	74.12	2.82
For Each Top Rail Fitting, Add	4.55	
For Each Single Barbed Wire Arm, Add	7.15	
For Each Double Barbed Wire Arm, Add	14.95	
For SS40 (Hot-Dip Galvanized And Chromated), Add	17.10	
For Vinyl Coated, Add	41.03	
For Powder Coated, Add	54.71	
For Aluminum Coated, Add	85.49	
For Schedule 20, Deduct	-13.68	
For Schedule 80, Add	33.40	
32 31 13 13-0106 LF 6-5/8" Outside Diameter Galvanized Steel Post, 16' To 20' In Length.....	72.54	2.23
For Each Top Rail Fitting, Add	4.55	
For Each Single Barbed Wire Arm, Add	7.15	
For Each Double Barbed Wire Arm, Add	14.95	
For SS40 (Hot-Dip Galvanized And Chromated), Add	16.99	
For Vinyl Coated, Add	40.78	
For Powder Coated, Add	54.37	
For Aluminum Coated, Add	84.95	
For Schedule 20, Deduct	-13.59	
For Schedule 80, Add	33.08	
32 31 13 13-0107 LF 6-5/8" Outside Diameter Galvanized Steel Post, 21' To 24' In Length.....	71.66	2.00
For Each Top Rail Fitting, Add	4.55	
For Each Single Barbed Wire Arm, Add	7.15	
For Each Double Barbed Wire Arm, Add	14.95	
For SS40 (Hot-Dip Galvanized And Chromated), Add	16.94	
For Vinyl Coated, Add	40.65	
For Powder Coated, Add	54.20	
For Aluminum Coated, Add	84.69	
For Schedule 20, Deduct	-13.55	
For Schedule 80, Add	32.91	
32 31 13 13-0108 LF 6-5/8" Outside Diameter Galvanized Steel Post, >24' In Length.....	70.97	1.65
For Each Top Rail Fitting, Add	4.55	
For Each Single Barbed Wire Arm, Add	7.15	
For Each Double Barbed Wire Arm, Add	14.95	
For SS40 (Hot-Dip Galvanized And Chromated), Add	16.93	
For Vinyl Coated, Add	40.63	
For Powder Coated, Add	54.17	
For Aluminum Coated, Add	84.64	
For Schedule 20, Deduct	-13.54	
For Schedule 80, Add	32.83	
<b>32 31 13 13-0109 Post Without Top Rail Fitting, Galvanized Steel (8.625" Nominal)</b> <small>(32 31 13 13-0059)</small>		
Note: 8-5/8" outside diameter, Schedule 40. Includes cap and accessories.		
32 31 13 13-0110 LF 8-5/8" Outside Diameter Galvanized Steel Post, Up To 6' In Length.....	154.21	4.59
For Each Top Rail Fitting, Add	7.50	
For Each Single Barbed Wire Arm, Add	9.15	
For Each Double Barbed Wire Arm, Add	18.95	
For SS40 (Hot-Dip Galvanized And Chromated), Add	36.27	
For Vinyl Coated, Add	87.04	
For Powder Coated, Add	116.05	
For Aluminum Coated, Add	181.33	
For Schedule 20, Deduct	-29.01	
For Schedule 80, Add	70.54	
32 31 13 13-0111 LF 8-5/8" Outside Diameter Galvanized Steel Post, 7' To 10' In Length.....	149.36	3.88
For Each Top Rail Fitting, Add	7.50	
For Each Single Barbed Wire Arm, Add	9.15	
For Each Double Barbed Wire Arm, Add	18.95	
For SS40 (Hot-Dip Galvanized And Chromated), Add	35.43	
For Vinyl Coated, Add	85.02	
For Powder Coated, Add	113.36	
For Aluminum Coated, Add	177.13	
For Schedule 20, Deduct	-28.34	
For Schedule 80, Add	68.78	
32 31 13 13-0112 LF 8-5/8" Outside Diameter Galvanized Steel Post, 11' To 15' In Length.....	146.37	3.17
For Each Top Rail Fitting, Add	7.50	
For Each Single Barbed Wire Arm, Add	9.15	
For Each Double Barbed Wire Arm, Add	18.95	
For SS40 (Hot-Dip Galvanized And Chromated), Add	35.01	
For Vinyl Coated, Add	84.01	
For Powder Coated, Add	112.02	
For Aluminum Coated, Add	175.03	
For Schedule 20, Deduct	-28.00	
For Schedule 80, Add	67.84	
32 31 13 13-0113 LF 8-5/8" Outside Diameter Galvanized Steel Post, 16' To 20' In Length.....	144.21	2.47
For Each Top Rail Fitting, Add	7.50	
For Each Single Barbed Wire Arm, Add	9.15	
For Each Double Barbed Wire Arm, Add	18.95	
For SS40 (Hot-Dip Galvanized And Chromated), Add	34.80	
For Vinyl Coated, Add	83.51	
For Powder Coated, Add	111.34	
For Aluminum Coated, Add	173.98	
For Schedule 20, Deduct	-27.84	
For Schedule 80, Add	67.31	



<b>Exterior Improvements</b>	<b>32</b>	<b>32</b>
Site Improvements	32 30	
Fences and Gates	32 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0114 LF 8-5/8" Outside Diameter Galvanized Steel Post, 21' To 24' In Length.....	143.11	2.12
For Each Top Rail Fitting, Add	7.50	
For Each Single Barbed Wire Arm, Add	9.15	
For Each Double Barbed Wire Arm, Add	18.95	
For SS40 (Hot-Dip Galvanized And Chromated), Add	34.69	
For Vinyl Coated, Add	83.26	
For Powder Coated, Add	111.01	
For Aluminum Coated, Add	173.45	
For Schedule 20, Deduct	-27.75	
For Schedule 80, Add	67.04	
32 31 13 13-0115 LF 8-5/8" Outside Diameter Galvanized Steel Post, >24' In Length.....	142.31	1.76
For Each Top Rail Fitting, Add	7.50	
For Each Single Barbed Wire Arm, Add	9.15	
For Each Double Barbed Wire Arm, Add	18.95	
For SS40 (Hot-Dip Galvanized And Chromated), Add	34.67	
For Vinyl Coated, Add	83.21	
For Powder Coated, Add	110.94	
For Aluminum Coated, Add	173.35	
For Schedule 20, Deduct	-27.74	
For Schedule 80, Add	66.93	
<b>32 31 13 13-0116 Driven Post Supports (32 31 13 13)</b>		
Note: OZ-Post.		
<b>32 31 13 13-0117 Driven Post Support For Round Chain Link Fence Posts (32 31 13 13-0116)</b>		
32 31 13 13-0118 EA 26" Driven Post Support For 1-5/8" Round Chain Link Fence Post.....	75.49	
Note: OZ-Post GB-700.		
32 31 13 13-0119 EA 26" Driven Post Support For 1-7/8" To 2" Round Chain Link Fence Post.....	75.49	
Note: OZ-Post HB-700.		
32 31 13 13-0120 EA 26" Driven Post Support For 2-3/8" To 2-1/2" Round Chain Link Fence Post.....	77.52	
Note: OZ-Post IS-600.		
32 31 13 13-0121 EA 32" Driven Post Support For 2-3/8" To 2-1/2" Round Chain Link Fence Post.....	93.06	
Note: OZ-Post ISW-850.		
<b>32 31 13 13-0122 Driven Post Support For Square Ornamental Fence Posts (32 31 13 13-0116)</b>		
32 31 13 13-0123 EA 34" Driven Post Support For 1-3/4" Square Ornamental Fence Post.....	86.97	
Note: OZ-Post C175-850.		
32 31 13 13-0124 EA 24" Driven Post Support For 2" Square Ornamental Fence Post.....	83.92	
Note: OZ-Post I2-600.		
32 31 13 13-0125 EA 34" Driven Post Support For 2" Square Ornamental Fence Post.....	87.58	
Note: OZ-Post I2-850.		
32 31 13 13-0126 EA 34" Driven Post Support For 2-1/2" Square Ornamental Fence Post.....	93.06	
Note: OZ-Post I25-850.		
32 31 13 13-0127 EA 34" Driven Post Support For 3" Square Ornamental Fence Post.....	93.06	
Note: OZ-Post I3-850.		
<b>32 31 13 13-0128 Driven Post Support For Wooden Fence Posts (32 31 13 13-0116)</b>		
32 31 13 13-0129 EA 24" Driven Post Support For 3-1/2" Square Wooden Fence Post.....	86.32	
Note: OZ-Post T4-600.		
32 31 13 13-0130 EA 34" Driven Post Support For 3-1/2" Square Wooden Fence Post.....	90.01	
Note: OZ-Post T4-850.		
32 31 13 13-0131 EA 34" Driven Post Support For 3-3/4" Square Wooden Fence Post.....	97.13	
Note: OZ-Post C4-850.		
32 31 13 13-0132 EA 34" Driven Post Support For 4" Square Wooden Fence Post.....	97.13	
Note: OZ-Post P4-850.		
32 31 13 13-0133 EA 36" Driven Post Support For 4" x 6" Wooden Fence Post.....	110.34	
Note: OZ-Post T46-850.		
32 31 13 13-0134 EA 36" Driven Post Support For 6" Square Wooden Fence Post.....	119.68	
Note: OZ-Post T6-850.		
<b>32 31 13 13-0135 Driven Post Support For Vinyl Fence Posts (32 31 13 13-0116)</b>		
32 31 13 13-0136 EA 24" Driven Post Support For 3-1/2" Square Vinyl Fence Post.....	86.32	
Note: OZ-Post T4-600.		
32 31 13 13-0137 EA 34" Driven Post Support For 3-1/2" Square Vinyl Fence Post.....	90.01	
Note: OZ-Post T4-850.		
32 31 13 13-0138 EA 34" Driven Post Support For 4" Square Vinyl Fence Post.....	97.13	
Note: OZ-Post P4-850.		
32 31 13 13-0139 EA 34" Driven Post Support For 5" Square Vinyl Fence Post.....	98.75	
Note: OZ-Post P4-850.		
<b>32 31 13 13-0140 Chain Link Fence Assemblies (32 31 13 13)</b>		

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences and Gates**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13	13-0141		<b>Chain Link Fence Assembly With 2-1/2" Line Post And 3" Corner Posts</b> <small>(32 31 13 13-0140)</small> Note: Includes 2" 9 gauge coiled spring mesh (knuckled selvage), tension bars, post tension bands, wire ties, truss rod (at corners or posts), 1-5/8" top rail, 1-5/8" bottom rail, 2-1/2" line post and 3" corner posts. Posts exclude drilling or augering in soil or rock, concrete or soil fill. Heights indicated are from ground to top of installed pole. Minimum 2' bury with up to one third of exposed post height to be buried in ground. Excludes grounding. Demolition excludes concrete footing removal on posts and excavation. See CSI section 26 05 26 00-0000 for grounding, 31 23 16 36-0009 for hand excavation for footing removal (where required), 32 31 13 13-0678 for barb wire attachments.		
32 31 13	13-0142		<b>Galvanized</b> <small>(32 31 13 13-0141)</small>		
32 31 13	13-0143	LF	3' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post .....	40.05	3.99
			<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	2.78	
			<i>For 13 Gauge Fabric, Deduct</i>	-8.48	
			<i>For 11 Gauge Fabric, Deduct</i>	-4.96	
			<i>For 6 Gauge Fabric, Add</i>	7.79	
			<i>For 1" Mesh Fabric, Add</i>	10.62	
			<i>For 1-3/4" Mesh Fabric, Add</i>	4.25	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-2.12	
			<i>For 2-3/8" Mesh Fabric, Deduct</i>	-2.83	
			<i>For Posts 8' On Centers, Add</i>	2.19	
			<i>For Posts 5' On Centers, Add</i>	8.23	
			<i>For Up To 100, Add</i>	7.57	
			<i>For &gt;100 To 250, Add</i>	2.78	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-1.39	
			<i>For &gt;5,000, Deduct</i>	-2.78	
			<i>For 3/8" Non-Climbable Mesh, Add</i>	31.23	
32 31 13	13-0144	LF	3'-6" Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post .....	41.65	3.99
			<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	2.88	
			<i>For 13 Gauge Fabric, Deduct</i>	-8.95	
			<i>For 11 Gauge Fabric, Deduct</i>	-5.23	
			<i>For 6 Gauge Fabric, Add</i>	8.22	
			<i>For 1" Mesh Fabric, Add</i>	11.21	
			<i>For 1-3/4" Mesh Fabric, Add</i>	4.48	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-2.24	
			<i>For 2-3/8" Mesh Fabric, Deduct</i>	-2.99	
			<i>For Posts 8' On Centers, Add</i>	2.27	
			<i>For Posts 5' On Centers, Add</i>	8.53	
			<i>For Up To 100, Add</i>	7.84	
			<i>For &gt;100 To 250, Add</i>	2.88	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-1.44	
			<i>For &gt;5,000, Deduct</i>	-2.88	
			<i>For 3/8" Non-Climbable Mesh, Add</i>	35.85	
32 31 13	13-0145	LF	4' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post .....	43.06	3.99
			<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	2.96	
			<i>For 13 Gauge Fabric, Deduct</i>	-9.35	
			<i>For 11 Gauge Fabric, Deduct</i>	-5.46	
			<i>For 6 Gauge Fabric, Add</i>	8.59	
			<i>For 1" Mesh Fabric, Add</i>	11.71	
			<i>For 1-3/4" Mesh Fabric, Add</i>	4.68	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-2.34	
			<i>For 2-3/8" Mesh Fabric, Deduct</i>	-3.12	
			<i>For Posts 8' On Centers, Add</i>	2.35	
			<i>For Posts 5' On Centers, Add</i>	8.80	
			<i>For Up To 100, Add</i>	8.07	
			<i>For &gt;100 To 250, Add</i>	2.96	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-1.48	
			<i>For &gt;5,000, Deduct</i>	-2.96	
			<i>For 3/8" Non-Climbable Mesh, Add</i>	40.51	
32 31 13	13-0146	LF	5' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post .....	46.34	3.99
			<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	3.15	
			<i>For 13 Gauge Fabric, Deduct</i>	-10.32	
			<i>For 11 Gauge Fabric, Deduct</i>	-6.03	
			<i>For 6 Gauge Fabric, Add</i>	9.47	
			<i>For 1" Mesh Fabric, Add</i>	12.92	
			<i>For 1-3/4" Mesh Fabric, Add</i>	5.17	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-2.58	
			<i>For 2-3/8" Mesh Fabric, Deduct</i>	-3.44	
			<i>For Posts 8' On Centers, Add</i>	2.52	
			<i>For Posts 5' On Centers, Add</i>	9.42	
			<i>For Up To 100, Add</i>	8.62	
			<i>For &gt;100 To 250, Add</i>	3.15	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-1.57	
			<i>For &gt;5,000, Deduct</i>	-3.15	
			<i>For 3/8" Non-Climbable Mesh, Add</i>	49.24	





<b>Exterior Improvements</b>	<b>32</b>	<b>32</b>
Site Improvements	32 30	
Fences and Gates	32 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0147 LF 6' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post .....	50.22	3.99
<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	3.40	
<i>For 13 Gauge Fabric, Deduct</i>	-11.29	
<i>For 11 Gauge Fabric, Deduct</i>	-6.59	
<i>For 6 Gauge Fabric, Add</i>	10.36	
<i>For 1" Mesh Fabric, Add</i>	14.13	
<i>For 1-3/4" Mesh Fabric, Add</i>	5.65	
<i>For 2-1/8" Mesh Fabric, Deduct</i>	-2.83	
<i>For 2-3/8" Mesh Fabric, Deduct</i>	-3.77	
<i>For Posts 8' On Centers, Add</i>	2.72	
<i>For Posts 5' On Centers, Add</i>	10.19	
<i>For Up To 100, Add</i>	9.31	
<i>For &gt;100 To 250, Add</i>	3.40	
<i>For &gt;2,500 To 5,000, Deduct</i>	-1.70	
<i>For &gt;5,000, Deduct</i>	-3.40	
<i>For 3/8" Non-Climbable Mesh, Add</i>	58.03	
32 31 13 13-0148 LF 7' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post .....	52.10	5.99
<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	3.53	
<i>For 13 Gauge Fabric, Deduct</i>	-11.71	
<i>For 11 Gauge Fabric, Deduct</i>	-6.84	
<i>For 6 Gauge Fabric, Add</i>	10.75	
<i>For 1" Mesh Fabric, Add</i>	14.66	
<i>For 1-3/4" Mesh Fabric, Add</i>	5.86	
<i>For 2-1/8" Mesh Fabric, Deduct</i>	-2.93	
<i>For 2-3/8" Mesh Fabric, Deduct</i>	-3.91	
<i>For Posts 8' On Centers, Add</i>	2.83	
<i>For Posts 5' On Centers, Add</i>	10.57	
<i>For Up To 100, Add</i>	9.66	
<i>For &gt;100 To 250, Add</i>	3.53	
<i>For &gt;2,500 To 5,000, Deduct</i>	-1.76	
<i>For &gt;5,000, Deduct</i>	-3.53	
<i>For 3/8" Non-Climbable Mesh, Add</i>	66.95	
32 31 13 13-0149 LF 8' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post .....	59.20	6.99
<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	3.94	
<i>For 13 Gauge Fabric, Deduct</i>	-13.76	
<i>For 11 Gauge Fabric, Deduct</i>	-8.04	
<i>For 6 Gauge Fabric, Add</i>	12.63	
<i>For 1" Mesh Fabric, Add</i>	17.23	
<i>For 1-3/4" Mesh Fabric, Add</i>	6.89	
<i>For 2-1/8" Mesh Fabric, Deduct</i>	-3.45	
<i>For 2-3/8" Mesh Fabric, Deduct</i>	-4.59	
<i>For Posts 8' On Centers, Add</i>	3.20	
<i>For Posts 5' On Centers, Add</i>	11.93	
<i>For Up To 100, Add</i>	10.84	
<i>For &gt;100 To 250, Add</i>	3.94	
<i>For &gt;2,500 To 5,000, Deduct</i>	-1.97	
<i>For &gt;5,000, Deduct</i>	-3.94	
<i>For 3/8" Non-Climbable Mesh, Add</i>	75.97	
32 31 13 13-0150 LF 9' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post .....	63.16	8.98
<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	4.18	
<i>For 13 Gauge Fabric, Deduct</i>	-14.81	
<i>For 11 Gauge Fabric, Deduct</i>	-8.65	
<i>For 6 Gauge Fabric, Add</i>	13.60	
<i>For 1" Mesh Fabric, Add</i>	18.54	
<i>For 1-3/4" Mesh Fabric, Add</i>	7.42	
<i>For 2-1/8" Mesh Fabric, Deduct</i>	-3.71	
<i>For 2-3/8" Mesh Fabric, Deduct</i>	-4.95	
<i>For Posts 8' On Centers, Add</i>	3.40	
<i>For Posts 5' On Centers, Add</i>	12.70	
<i>For Up To 100, Add</i>	11.53	
<i>For &gt;100 To 250, Add</i>	4.18	
<i>For &gt;2,500 To 5,000, Deduct</i>	-2.09	
<i>For &gt;5,000, Deduct</i>	-4.18	
<i>For 3/8" Non-Climbable Mesh, Add</i>	83.82	
32 31 13 13-0151 LF 10' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post .....	67.12	9.98
<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	4.43	
<i>For 13 Gauge Fabric, Deduct</i>	-15.86	
<i>For 11 Gauge Fabric, Deduct</i>	-9.27	
<i>For 6 Gauge Fabric, Add</i>	14.56	
<i>For 1" Mesh Fabric, Add</i>	19.86	
<i>For 1-3/4" Mesh Fabric, Add</i>	7.94	
<i>For 2-1/8" Mesh Fabric, Deduct</i>	-3.97	
<i>For 2-3/8" Mesh Fabric, Deduct</i>	-5.30	
<i>For Posts 8' On Centers, Add</i>	3.61	
<i>For Posts 5' On Centers, Add</i>	13.48	
<i>For Up To 100, Add</i>	12.22	
<i>For &gt;100 To 250, Add</i>	4.43	
<i>For &gt;2,500 To 5,000, Deduct</i>	-2.21	
<i>For &gt;5,000, Deduct</i>	-4.43	
<i>For 3/8" Non-Climbable Mesh, Add</i>	91.92	

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences and Gates**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

32 31 13 13-0152	LF	12' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	74.56	11.98
		<i>For Each Additional Foot &gt;12, Add</i>	4.08	
		<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	4.89	
		<i>For 13 Gauge Fabric, Deduct</i>	-17.82	
		<i>For 11 Gauge Fabric, Deduct</i>	-10.41	
		<i>For 6 Gauge Fabric, Add</i>	16.36	
		<i>For 1" Mesh Fabric, Add</i>	22.31	
		<i>For 1-3/4" Mesh Fabric, Add</i>	8.92	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-4.46	
		<i>For 2-3/8" Mesh Fabric, Deduct</i>	-5.95	
		<i>For Posts 8' On Centers, Add</i>	4.01	
		<i>For Posts 5' On Centers, Add</i>	14.93	
		<i>For Up To 100, Add</i>	13.51	
		<i>For &gt;100 To 250, Add</i>	4.89	
		<i>For &gt;2,500 To 5,000, Deduct</i>	-2.45	
		<i>For &gt;5,000, Deduct</i>	-4.89	
		<i>For 3/8" Non-Climbable Mesh, Add</i>	99.69	

**32 31 13 13-0153 Vinyl Coated** (32 31 13 13-0141)

32 31 13 13-0154	LF	4' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	44.63	3.99
		<i>For Powder Coated Framework (Posts, Rails, Hardware), Add</i>	4.27	
		<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	3.04	
		<i>For 13 Gauge Fabric, Deduct</i>	-9.90	
		<i>For 11 Gauge Fabric, Deduct</i>	-5.78	
		<i>For 6 Gauge Fabric, Add</i>	9.09	
		<i>For 1" Mesh Fabric, Add</i>	12.39	
		<i>For 1-3/4" Mesh Fabric, Add</i>	4.96	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-2.48	
		<i>For 2-3/8" Mesh Fabric, Deduct</i>	-3.30	
		<i>For Posts 8' On Centers, Add</i>	2.43	
		<i>For Posts 5' On Centers, Add</i>	9.08	
		<i>For Up To 100, Add</i>	8.31	
		<i>For &gt;100 To 250, Add</i>	3.04	
		<i>For &gt;2,500 To 5,000, Deduct</i>	-1.52	
		<i>For &gt;5,000, Deduct</i>	-3.04	
		<i>For 3/8" Non-Climbable Mesh, Add</i>	45.46	
32 31 13 13-0155	LF	5' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	48.31	3.99
		<i>For Powder Coated Framework (Posts, Rails, Hardware), Add</i>	4.75	
		<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	3.25	
		<i>For 13 Gauge Fabric, Deduct</i>	-11.00	
		<i>For 11 Gauge Fabric, Deduct</i>	-6.43	
		<i>For 6 Gauge Fabric, Add</i>	10.10	
		<i>For 1" Mesh Fabric, Add</i>	13.77	
		<i>For 1-3/4" Mesh Fabric, Add</i>	5.51	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-2.75	
		<i>For 2-3/8" Mesh Fabric, Deduct</i>	-3.67	
		<i>For Posts 8' On Centers, Add</i>	2.62	
		<i>For Posts 5' On Centers, Add</i>	9.78	
		<i>For Up To 100, Add</i>	8.91	
		<i>For &gt;100 To 250, Add</i>	3.25	
		<i>For &gt;2,500 To 5,000, Deduct</i>	-1.62	
		<i>For &gt;5,000, Deduct</i>	-3.25	
		<i>For 3/8" Non-Climbable Mesh, Add</i>	55.43	
32 31 13 13-0156	LF	6' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	54.23	3.99
		<i>For Powder Coated Framework (Posts, Rails, Hardware), Add</i>	5.47	
		<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	3.60	
		<i>For 13 Gauge Fabric, Deduct</i>	-12.68	
		<i>For 11 Gauge Fabric, Deduct</i>	-7.41	
		<i>For 6 Gauge Fabric, Add</i>	11.64	
		<i>For 1" Mesh Fabric, Add</i>	15.87	
		<i>For 1-3/4" Mesh Fabric, Add</i>	6.35	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-3.17	
		<i>For 2-3/8" Mesh Fabric, Deduct</i>	-4.23	
		<i>For Posts 8' On Centers, Add</i>	2.92	
		<i>For Posts 5' On Centers, Add</i>	10.91	
		<i>For Up To 100, Add</i>	9.91	
		<i>For &gt;100 To 250, Add</i>	3.60	
		<i>For &gt;2,500 To 5,000, Deduct</i>	-1.80	
		<i>For &gt;5,000, Deduct</i>	-3.60	
		<i>For 3/8" Non-Climbable Mesh, Add</i>	65.45	



		<b>Exterior Improvements</b>	<b>32</b>
		Site Improvements	32 30
		Fences and Gates	32 31
			<b>32</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0157 LF 7' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post .....	56.76	5.99
For Powder Coated Framework (Posts, Rails, Hardware), Add	5.75	
For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	3.76	
For 13 Gauge Fabric, Deduct	-13.33	
For 11 Gauge Fabric, Deduct	-7.79	
For 6 Gauge Fabric, Add	12.24	
For 1" Mesh Fabric, Add	16.69	
For 1-3/4" Mesh Fabric, Add	6.67	
For 2-1/8" Mesh Fabric, Deduct	-3.34	
For 2-3/8" Mesh Fabric, Deduct	-4.45	
For Posts 8' On Centers, Add	3.06	
For Posts 5' On Centers, Add	11.41	
For Up To 100, Add	10.35	
For >100 To 250, Add	3.76	
For >2,500 To 5,000, Deduct	-1.88	
For >5,000, Deduct	-3.76	
For 3/8" Non-Climbable Mesh, Add	75.62	
32 31 13 13-0158 LF 8' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post .....	64.62	6.99
For Powder Coated Framework (Posts, Rails, Hardware), Add	6.75	
For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	4.21	
For 13 Gauge Fabric, Deduct	-15.64	
For 11 Gauge Fabric, Deduct	-9.14	
For 6 Gauge Fabric, Add	14.36	
For 1" Mesh Fabric, Add	19.58	
For 1-3/4" Mesh Fabric, Add	7.83	
For 2-1/8" Mesh Fabric, Deduct	-3.92	
For 2-3/8" Mesh Fabric, Deduct	-5.22	
For Posts 8' On Centers, Add	3.47	
For Posts 5' On Centers, Add	12.91	
For Up To 100, Add	11.65	
For >100 To 250, Add	4.21	
For >2,500 To 5,000, Deduct	-2.11	
For >5,000, Deduct	-4.21	
For 3/8" Non-Climbable Mesh, Add	85.87	
32 31 13 13-0159 LF 9' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post .....	68.98	8.98
For Powder Coated Framework (Posts, Rails, Hardware), Add	7.27	
For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	4.48	
For 13 Gauge Fabric, Deduct	-16.84	
For 11 Gauge Fabric, Deduct	-9.84	
For 6 Gauge Fabric, Add	15.46	
For 1" Mesh Fabric, Add	21.08	
For 1-3/4" Mesh Fabric, Add	8.43	
For 2-1/8" Mesh Fabric, Deduct	-4.22	
For 2-3/8" Mesh Fabric, Deduct	-5.62	
For Posts 8' On Centers, Add	3.70	
For Posts 5' On Centers, Add	13.75	
For Up To 100, Add	12.40	
For >100 To 250, Add	4.48	
For >2,500 To 5,000, Deduct	-2.24	
For >5,000, Deduct	-4.48	
For 3/8" Non-Climbable Mesh, Add	94.84	
32 31 13 13-0160 LF 10' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post .....	73.34	9.98
For Powder Coated Framework (Posts, Rails, Hardware), Add	7.78	
For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	4.74	
For 13 Gauge Fabric, Deduct	-18.02	
For 11 Gauge Fabric, Deduct	-10.53	
For 6 Gauge Fabric, Add	16.55	
For 1" Mesh Fabric, Add	22.56	
For 1-3/4" Mesh Fabric, Add	9.03	
For 2-1/8" Mesh Fabric, Deduct	-4.51	
For 2-3/8" Mesh Fabric, Deduct	-6.02	
For Posts 8' On Centers, Add	3.92	
For Posts 5' On Centers, Add	14.60	
For Up To 100, Add	13.15	
For >100 To 250, Add	4.74	
For >2,500 To 5,000, Deduct	-2.37	
For >5,000, Deduct	-4.74	
For 3/8" Non-Climbable Mesh, Add	104.06	

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences and Gates**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

32 31 13 13-0161	LF	12' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	80.03	11.98
		<i>For Each Additional Foot &gt;12, Add</i>	4.33	
		<i>For Powder Coated Framework (Posts, Rails, Hardware), Add</i>	8.51	
		<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	5.17	
		<i>For 13 Gauge Fabric, Deduct</i>	-19.72	
		<i>For 11 Gauge Fabric, Deduct</i>	-11.52	
		<i>For 6 Gauge Fabric, Add</i>	18.11	
		<i>For 1" Mesh Fabric, Add</i>	24.69	
		<i>For 1-3/4" Mesh Fabric, Add</i>	9.88	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-4.94	
		<i>For 2-3/8" Mesh Fabric, Deduct</i>	-6.58	
		<i>For Posts 8' On Centers, Add</i>	4.28	
		<i>For Posts 5' On Centers, Add</i>	15.92	
		<i>For Up To 100, Add</i>	14.33	
		<i>For &gt;100 To 250, Add</i>	5.17	
		<i>For &gt;2,500 To 5,000, Deduct</i>	-2.58	
		<i>For &gt;5,000, Deduct</i>	-5.17	
		<i>For 3/8" Non-Climbable Mesh, Add</i>	112.85	

**32 31 13 13-0162 Rails** (32 31 13 13)

Note: Includes rail end fittings.

**32 31 13 13-0163 SS-20 Chain Link Fence Rails** (32 31 13 13-0162)

Note: Includes tie wires.

32 31 13 13-0164	LF	1-3/8" Galvanized Steel Rail, 0.08" Wall Thickness, Tie Wires And Fittings.....	7.27	1.29
		<i>For SS15, Deduct</i>	-0.46	
		<i>For SS40, Add</i>	1.14	
32 31 13 13-0165	LF	1-3/8" Vinyl Coated Rail, 0.08" Wall Thickness, Tie Wires And Fittings.....	8.80	1.29
		<i>For SS40, Add</i>	0.61	
		<i>For Powder Coated, Add</i>	1.22	
		<i>For Aluminum Coated, Add</i>	2.44	
32 31 13 13-0166	LF	1-5/8" Galvanized Steel Rail, 0.085" Wall Thickness, Tie Wires And Fittings.....	9.03	1.47
		<i>For SS15, Deduct</i>	-0.61	
		<i>For SS40, Add</i>	1.52	
32 31 13 13-0167	LF	1-5/8" Vinyl Coated Rail, 0.085" Wall Thickness, Tie Wires And Fittings.....	11.08	1.47
		<i>For SS40, Add</i>	0.81	
		<i>For Powder Coated, Add</i>	1.63	
		<i>For Aluminum Coated, Add</i>	3.26	
32 31 13 13-0168	LF	2" Galvanized Steel Rail, 0.09" Wall Thickness, Tie Wires And Fittings.....	10.59	1.65
		<i>For SS40, Add</i>	1.83	
32 31 13 13-0169	LF	2" Vinyl Coated Rail, 0.09" Wall Thickness, Tie Wires And Fittings.....	13.06	1.65
		<i>For SS40, Add</i>	0.98	
		<i>For Powder Coated, Add</i>	1.95	
		<i>For Aluminum Coated, Add</i>	3.91	

**32 31 13 13-0170 Fabric** (32 31 13 13)**32 31 13 13-0171 Fabric, Galvanized Chain Link** (32 31 13 13-0170)

32 31 13 13-0172	LF	3' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh.....	11.49	2.35
		<i>For 1-1/4" Mesh Fabric, Add</i>	1.08	
		<i>For 2 Oz Galvanized Or Zinc Coating, Add</i>	0.96	
		<i>For 13 Gauge Fabric, Deduct</i>	-1.73	
		<i>For 11 Gauge Fabric, Deduct</i>	-0.96	
		<i>For 6 Gauge Fabric, Add</i>	3.08	
		<i>For 1" Mesh Fabric, Add</i>	2.89	
		<i>For 1-1/4" Mesh Fabric, Add</i>	1.93	
		<i>For 1-3/4" Mesh Fabric, Add</i>	1.16	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-0.58	
		<i>For 2-3/8" Mesh Fabric, Deduct</i>	-0.77	
		<i>For 3/8" Non-Climbable Mesh, Add</i>	32.38	
32 31 13 13-0173	LF	3-6" Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh.....	12.71	2.65
		<i>For 1-1/4" Mesh Fabric, Add</i>	1.26	
		<i>For 2 Oz Galvanized Or Zinc Coating, Add</i>	1.12	
		<i>For 13 Gauge Fabric, Deduct</i>	-2.02	
		<i>For 11 Gauge Fabric, Deduct</i>	-1.12	
		<i>For 6 Gauge Fabric, Add</i>	3.59	
		<i>For 1" Mesh Fabric, Add</i>	3.37	
		<i>For 1-1/4" Mesh Fabric, Add</i>	2.25	
		<i>For 1-3/4" Mesh Fabric, Add</i>	1.35	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-0.67	
		<i>For 2-3/8" Mesh Fabric, Deduct</i>	-0.90	
		<i>For 3/8" Non-Climbable Mesh, Add</i>	37.08	
32 31 13 13-0174	LF	4' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh.....	13.75	2.94
		<i>For 1-1/4" Mesh Fabric, Add</i>	1.38	
		<i>For 2 Oz Galvanized Or Zinc Coating, Add</i>	1.24	
		<i>For 13 Gauge Fabric, Deduct</i>	-2.22	
		<i>For 11 Gauge Fabric, Deduct</i>	-1.24	
		<i>For 6 Gauge Fabric, Add</i>	3.95	
		<i>For 1" Mesh Fabric, Add</i>	3.71	
		<i>For 1-1/4" Mesh Fabric, Add</i>	2.47	
		<i>For 1-3/4" Mesh Fabric, Add</i>	1.48	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-0.74	
		<i>For 2-3/8" Mesh Fabric, Deduct</i>	-0.99	
		<i>For 3/8" Non-Climbable Mesh, Add</i>	41.83	



<b>Exterior Improvements</b>	<b>32</b>	<b>32</b>
Site Improvements	32 30	
Fences and Gates	32 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0175 LF 5' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh.....	15.56	3.52
For 1-1/4" Mesh Fabric, Add	1.72	
For 2 Oz Galvanized Or Zinc Coating, Add	1.54	
For 13 Gauge Fabric, Deduct	-2.77	
For 11 Gauge Fabric, Deduct	-1.54	
For 6 Gauge Fabric, Add	4.93	
For 1" Mesh Fabric, Add	4.62	
For 1-1/4" Mesh Fabric, Add	3.08	
For 1-3/4" Mesh Fabric, Add	1.85	
For 2-1/8" Mesh Fabric, Deduct	-0.92	
For 2-3/8" Mesh Fabric, Deduct	-1.23	
For 3/8" Non-Climbable Mesh, Add	50.65	
32 31 13 13-0176 LF 6' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh.....	17.47	4.12
For 1-1/4" Mesh Fabric, Add	2.07	
For 2 Oz Galvanized Or Zinc Coating, Add	1.85	
For 13 Gauge Fabric, Deduct	-3.33	
For 11 Gauge Fabric, Deduct	-1.85	
For 6 Gauge Fabric, Add	5.92	
For 1" Mesh Fabric, Add	5.55	
For 1-1/4" Mesh Fabric, Add	3.70	
For 1-3/4" Mesh Fabric, Add	2.22	
For 2-1/8" Mesh Fabric, Deduct	-1.11	
For 2-3/8" Mesh Fabric, Deduct	-1.48	
For 3/8" Non-Climbable Mesh, Add	59.55	
32 31 13 13-0177 LF 7' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh.....	19.45	4.70
For 1-1/4" Mesh Fabric, Add	2.41	
For 2 Oz Galvanized Or Zinc Coating, Add	2.15	
For 13 Gauge Fabric, Deduct	-3.87	
For 11 Gauge Fabric, Deduct	-2.15	
For 6 Gauge Fabric, Add	6.89	
For 1" Mesh Fabric, Add	6.46	
For 1-1/4" Mesh Fabric, Add	4.31	
For 1-3/4" Mesh Fabric, Add	2.58	
For 2-1/8" Mesh Fabric, Deduct	-1.29	
For 2-3/8" Mesh Fabric, Deduct	-1.72	
For 3/8" Non-Climbable Mesh, Add	68.57	
32 31 13 13-0178 LF 8' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh.....	21.60	5.88
For 1-1/4" Mesh Fabric, Add	2.76	
For 2 Oz Galvanized Or Zinc Coating, Add	2.46	
For 13 Gauge Fabric, Deduct	-4.43	
For 11 Gauge Fabric, Deduct	-2.46	
For 6 Gauge Fabric, Add	7.88	
For 1" Mesh Fabric, Add	7.39	
For 1-1/4" Mesh Fabric, Add	4.93	
For 1-3/4" Mesh Fabric, Add	2.96	
For 2-1/8" Mesh Fabric, Deduct	-1.48	
For 2-3/8" Mesh Fabric, Deduct	-1.97	
For 3/8" Non-Climbable Mesh, Add	77.74	
32 31 13 13-0179 LF 10' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh.....	25.76	6.46
For 1-1/4" Mesh Fabric, Add	3.58	
For 2 Oz Galvanized Or Zinc Coating, Add	3.20	
For 13 Gauge Fabric, Deduct	-5.76	
For 11 Gauge Fabric, Deduct	-3.20	
For 6 Gauge Fabric, Add	10.24	
For 1" Mesh Fabric, Add	9.60	
For 1-1/4" Mesh Fabric, Add	6.40	
For 1-3/4" Mesh Fabric, Add	3.84	
For 2-1/8" Mesh Fabric, Deduct	-1.92	
For 2-3/8" Mesh Fabric, Deduct	-2.56	
For 3/8" Non-Climbable Mesh, Add	93.87	
32 31 13 13-0180 LF 12' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh.....	29.44	7.04
For 1-1/4" Mesh Fabric, Add	4.30	
For 2 Oz Galvanized Or Zinc Coating, Add	3.84	
For 13 Gauge Fabric, Deduct	-6.90	
For 11 Gauge Fabric, Deduct	-3.84	
For 6 Gauge Fabric, Add	12.27	
For 1" Mesh Fabric, Add	11.51	
For 1-1/4" Mesh Fabric, Add	7.67	
For 1-3/4" Mesh Fabric, Add	4.60	
For 2-1/8" Mesh Fabric, Deduct	-2.30	
For 2-3/8" Mesh Fabric, Deduct	-3.07	
For 3/8" Non-Climbable Mesh, Add	101.81	
32 31 13 13-0181 LF 14' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh.....	32.92	8.22
For 1-1/4" Mesh Fabric, Add	4.61	
For 2 Oz Galvanized Or Zinc Coating, Add	4.12	
For 13 Gauge Fabric, Deduct	-7.42	
For 11 Gauge Fabric, Deduct	-4.12	
For 6 Gauge Fabric, Add	13.18	
For 1" Mesh Fabric, Add	12.36	
For 1-1/4" Mesh Fabric, Add	8.24	
For 1-3/4" Mesh Fabric, Add	4.94	
For 2-1/8" Mesh Fabric, Deduct	-2.47	
For 2-3/8" Mesh Fabric, Deduct	-3.30	
For 3/8" Non-Climbable Mesh, Add	110.98	

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences and Gates**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0182	LF	16' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh.....	36.40	9.40
		<i>For 1-1/4" Mesh Fabric, Add</i>	4.93	
		<i>For 2 Oz Galvanized Or Zinc Coating, Add</i>	4.40	
		<i>For 13 Gauge Fabric, Deduct</i>	-7.92	
		<i>For 11 Gauge Fabric, Deduct</i>	-4.40	
		<i>For 6 Gauge Fabric, Add</i>	14.09	
		<i>For 1" Mesh Fabric, Add</i>	13.21	
		<i>For 1-1/4" Mesh Fabric, Add</i>	8.81	
		<i>For 1-3/4" Mesh Fabric, Add</i>	5.28	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-2.64	
		<i>For 2-3/8" Mesh Fabric, Deduct</i>	-3.52	
		<i>For 3/8" Non-Climbable Mesh, Add</i>	120.15	
32 31 13 13-0183	SF	>16' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh.....	2.28	0.55
		<i>For 1-1/4" Mesh Fabric, Add</i>	0.31	
		<i>For 2 Oz Galvanized Or Zinc Coating, Add</i>	0.28	
		<i>For 13 Gauge Fabric, Deduct</i>	-0.50	
		<i>For 11 Gauge Fabric, Deduct</i>	-0.28	
		<i>For 6 Gauge Fabric, Add</i>	0.88	
		<i>For 1" Mesh Fabric, Add</i>	0.83	
		<i>For 1-1/4" Mesh Fabric, Add</i>	0.55	
		<i>For 1-3/4" Mesh Fabric, Add</i>	0.33	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-0.17	
		<i>For 2-3/8" Mesh Fabric, Deduct</i>	-0.22	
<b>32 31 13 13-0184</b>		<b>Fabric, Vinyl Coated Chain Link (32 31 13 13-0170)</b>		
32 31 13 13-0185	LF	4' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh .....	15.31	2.35
		<i>For 1-1/4" Mesh Fabric, Add</i>	1.82	
		<i>For 13 Gauge Fabric, Deduct</i>	-2.93	
		<i>For 11 Gauge Fabric, Deduct</i>	-1.63	
		<i>For 6 Gauge Fabric, Add</i>	5.20	
		<i>For 1" Mesh Fabric, Add</i>	4.88	
		<i>For 1-1/4" Mesh Fabric, Add</i>	3.25	
		<i>For 1-3/4" Mesh Fabric, Add</i>	1.95	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-0.98	
		<i>For 2-3/8" Mesh Fabric, Deduct</i>	-1.30	
		<i>For 3/8" Non-Climbable Mesh, Add</i>	46.78	
		<i>For Aluminum Coated, Add</i>	2.60	
32 31 13 13-0186	LF	5' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh .....	17.53	3.52
		<i>For 1-1/4" Mesh Fabric, Add</i>	2.28	
		<i>For 13 Gauge Fabric, Deduct</i>	-3.66	
		<i>For 11 Gauge Fabric, Deduct</i>	-2.03	
		<i>For 6 Gauge Fabric, Add</i>	6.50	
		<i>For 1" Mesh Fabric, Add</i>	6.10	
		<i>For 1-1/4" Mesh Fabric, Add</i>	4.07	
		<i>For 1-3/4" Mesh Fabric, Add</i>	2.44	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-1.22	
		<i>For 2-3/8" Mesh Fabric, Deduct</i>	-1.63	
		<i>For 3/8" Non-Climbable Mesh, Add</i>	56.84	
		<i>For Aluminum Coated, Add</i>	3.25	
32 31 13 13-0187	LF	6' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh .....	21.47	4.12
		<i>For 1-1/4" Mesh Fabric, Add</i>	3.19	
		<i>For 13 Gauge Fabric, Deduct</i>	-5.13	
		<i>For 11 Gauge Fabric, Deduct</i>	-2.85	
		<i>For 6 Gauge Fabric, Add</i>	9.12	
		<i>For 1" Mesh Fabric, Add</i>	8.55	
		<i>For 1-1/4" Mesh Fabric, Add</i>	5.70	
		<i>For 1-3/4" Mesh Fabric, Add</i>	3.42	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-1.71	
		<i>For 2-3/8" Mesh Fabric, Deduct</i>	-2.28	
		<i>For 3/8" Non-Climbable Mesh, Add</i>	66.97	
		<i>For Aluminum Coated, Add</i>	4.56	
32 31 13 13-0188	LF	7' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh .....	24.11	4.70
		<i>For 1-1/4" Mesh Fabric, Add</i>	3.72	
		<i>For 13 Gauge Fabric, Deduct</i>	-5.97	
		<i>For 11 Gauge Fabric, Deduct</i>	-3.32	
		<i>For 6 Gauge Fabric, Add</i>	10.62	
		<i>For 1" Mesh Fabric, Add</i>	9.95	
		<i>For 1-1/4" Mesh Fabric, Add</i>	6.64	
		<i>For 1-3/4" Mesh Fabric, Add</i>	3.98	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-1.99	
		<i>For 2-3/8" Mesh Fabric, Deduct</i>	-2.65	
		<i>For 3/8" Non-Climbable Mesh, Add</i>	77.24	
		<i>For Aluminum Coated, Add</i>	5.31	
32 31 13 13-0189	LF	8' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh .....	27.03	5.88
		<i>For 1-1/4" Mesh Fabric, Add</i>	4.28	
		<i>For 13 Gauge Fabric, Deduct</i>	-6.88	
		<i>For 11 Gauge Fabric, Deduct</i>	-3.82	
		<i>For 6 Gauge Fabric, Add</i>	12.22	
		<i>For 1" Mesh Fabric, Add</i>	11.46	
		<i>For 1-1/4" Mesh Fabric, Add</i>	7.64	
		<i>For 1-3/4" Mesh Fabric, Add</i>	4.58	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-2.29	
		<i>For 2-3/8" Mesh Fabric, Deduct</i>	-3.06	
		<i>For 3/8" Non-Climbable Mesh, Add</i>	87.64	
		<i>For Aluminum Coated, Add</i>	6.11	



	<b>Exterior Improvements</b>	<b>32</b>
	Site Improvements	32 30
	Fences and Gates	32 31

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0190 LF 10' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh .....	31.98	6.46
For 1-1/4" Mesh Fabric, Add	5.33	
For 13 Gauge Fabric, Deduct	-8.56	
For 11 Gauge Fabric, Deduct	-4.76	
For 6 Gauge Fabric, Add	15.22	
For 1" Mesh Fabric, Add	14.27	
For 1-1/4" Mesh Fabric, Add	9.51	
For 1-3/4" Mesh Fabric, Add	5.71	
For 2-1/8" Mesh Fabric, Deduct	-2.85	
For 2-3/8" Mesh Fabric, Deduct	-3.80	
For 3/8" Non-Climbable Mesh, Add	106.01	
For Aluminum Coated, Add	7.61	
32 31 13 13-0191 LF 12' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh .....	34.90	7.04
For 1-1/4" Mesh Fabric, Add	5.82	
For 13 Gauge Fabric, Deduct	-9.36	
For 11 Gauge Fabric, Deduct	-5.20	
For 6 Gauge Fabric, Add	16.64	
For 1" Mesh Fabric, Add	15.60	
For 1-1/4" Mesh Fabric, Add	10.40	
For 1-3/4" Mesh Fabric, Add	6.24	
For 2-1/8" Mesh Fabric, Deduct	-3.12	
For 2-3/8" Mesh Fabric, Deduct	-4.16	
For 3/8" Non-Climbable Mesh, Add	114.97	
For Aluminum Coated, Add	8.32	
32 31 13 13-0192 LF 14' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh .....	39.34	8.22
For 1-1/4" Mesh Fabric, Add	6.41	
For 13 Gauge Fabric, Deduct	-10.31	
For 11 Gauge Fabric, Deduct	-5.73	
For 6 Gauge Fabric, Add	18.32	
For 1" Mesh Fabric, Add	17.18	
For 1-1/4" Mesh Fabric, Add	11.45	
For 1-3/4" Mesh Fabric, Add	6.87	
For 2-1/8" Mesh Fabric, Deduct	-3.44	
For 2-3/8" Mesh Fabric, Deduct	-4.58	
For 3/8" Non-Climbable Mesh, Add	125.16	
For Aluminum Coated, Add	9.16	
32 31 13 13-0193 LF 16' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh .....	43.88	9.40
For 1-1/4" Mesh Fabric, Add	7.03	
For 13 Gauge Fabric, Deduct	-11.29	
For 11 Gauge Fabric, Deduct	-6.27	
For 6 Gauge Fabric, Add	20.07	
For 1" Mesh Fabric, Add	18.82	
For 1-1/4" Mesh Fabric, Add	12.55	
For 1-3/4" Mesh Fabric, Add	7.53	
For 2-1/8" Mesh Fabric, Deduct	-3.76	
For 2-3/8" Mesh Fabric, Deduct	-5.02	
For 3/8" Non-Climbable Mesh, Add	135.35	
For Aluminum Coated, Add	10.04	
32 31 13 13-0194 SF >16' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh .....	2.75	0.55
For 1-1/4" Mesh Fabric, Add	0.44	
For 13 Gauge Fabric, Deduct	-0.71	
For 11 Gauge Fabric, Deduct	-0.39	
For 6 Gauge Fabric, Add	1.26	
For 1" Mesh Fabric, Add	1.18	
For 1-1/4" Mesh Fabric, Add	0.79	
For 1-3/4" Mesh Fabric, Add	0.47	
For 2-1/8" Mesh Fabric, Deduct	-0.24	
For 2-3/8" Mesh Fabric, Deduct	-0.31	
For Aluminum Coated, Add	0.63	
<b>32 31 13 13-0195 Fabric, Aluminized Steel Chain Link</b> <small>(32 31 13 13-0170)</small>		
32 31 13 13-0196 LF 3' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh .....	11.02	2.35
For 6 Gauge Fabric, Add	2.70	
For 1" Mesh Fabric, Add	3.55	
32 31 13 13-0197 LF 3'-6" Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh .....	12.14	2.65
For 6 Gauge Fabric, Add	3.14	
For 1" Mesh Fabric, Add	4.12	
32 31 13 13-0198 LF 4' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh .....	13.30	2.94
For 6 Gauge Fabric, Add	3.59	
For 1" Mesh Fabric, Add	4.71	
32 31 13 13-0199 LF 5' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh .....	15.01	3.52
For 6 Gauge Fabric, Add	4.49	
For 1" Mesh Fabric, Add	5.89	
32 31 13 13-0200 LF 6' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh .....	16.78	4.12
For 6 Gauge Fabric, Add	5.37	
For 1" Mesh Fabric, Add	7.05	
32 31 13 13-0201 LF 7' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh .....	18.69	4.70
For 6 Gauge Fabric, Add	6.28	
For 1" Mesh Fabric, Add	8.24	
32 31 13 13-0202 LF 8' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh .....	20.71	5.88
For 6 Gauge Fabric, Add	7.17	
For 1" Mesh Fabric, Add	9.41	
32 31 13 13-0203 LF 10' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh .....	24.16	6.46
For 6 Gauge Fabric, Add	8.96	
For 1" Mesh Fabric, Add	11.76	

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences and Gates**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0204	LF	12' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	27.54 10.75 14.11	7.04
<b>32 31 13 13-0205</b>		<b>Fabric, All Aluminum Chain Link</b> <small>(32 31 13 13-0170)</small>		
32 31 13 13-0206	LF	3' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	16.47 7.06 9.27	2.35
32 31 13 13-0207	LF	3'-6" Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	18.52 8.24 10.82	2.65
32 31 13 13-0208	LF	4' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	20.58 9.42 12.36	2.94
32 31 13 13-0209	LF	5' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	24.11 11.77 15.45	3.52
32 31 13 13-0210	LF	6' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	27.73 14.13 18.54	4.12
32 31 13 13-0211	LF	7' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	31.44 16.48 21.63	4.70
32 31 13 13-0212	LF	8' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	35.29 18.83 24.72	5.88
32 31 13 13-0213	LF	10' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	42.39 23.54 30.90	6.46
32 31 13 13-0214	LF	12' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	49.41 28.25 37.08	7.04
<b>32 31 13 13-0215</b>		<b>Fence Inserts</b> <small>(32 31 13 13-0170)</small> Note: For use with new or existing chain link fence, per lf of fence.		
<b>32 31 13 13-0216</b>		<b>Vinyl Plastic Fence Inserts</b> <small>(32 31 13 13-0215)</small> Note: Assorted colors.		
32 31 13 13-0217	LF	3' High Fence, Vinyl Plastic Fence Insert	9.20	
32 31 13 13-0218	LF	3-1/2' High Fence, Vinyl Plastic Fence Insert	10.48	
32 31 13 13-0219	LF	4' High Fence, Vinyl Plastic Fence Insert	11.56	
32 31 13 13-0220	LF	5' High Fence, Vinyl Plastic Fence Insert	14.50	
32 31 13 13-0221	LF	6' High Fence, Vinyl Plastic Fence Insert	17.34	
32 31 13 13-0222	LF	7' High Fence, Vinyl Plastic Fence Insert	20.28	
32 31 13 13-0223	LF	8' High Fence, Vinyl Plastic Fence Insert	23.12	
32 31 13 13-0224	LF	10' High Fence, Vinyl Plastic Fence Insert	28.30	
<b>32 31 13 13-0225</b>		<b>Aluminum Fence Inserts</b> <small>(32 31 13 13-0215)</small> Note: Assorted colors.		
32 31 13 13-0226	LF	3' High Fence, Aluminum Fence Insert	31.91	
32 31 13 13-0227	LF	3-1/2' High Fence, Aluminum Fence Insert	34.99	
32 31 13 13-0228	LF	4' High Fence, Aluminum Fence Insert	39.67	
32 31 13 13-0229	LF	5' High Fence, Aluminum Fence Insert	49.64	
32 31 13 13-0230	LF	6' High Fence, Aluminum Fence Insert	59.57	
32 31 13 13-0231	LF	7' High Fence, Aluminum Fence Insert	64.63	
32 31 13 13-0232	LF	8' High Fence, Aluminum Fence Insert	79.40	
32 31 13 13-0233	LF	10' High Fence, Aluminum Fence Insert	98.97	
<b>32 31 13 13-0234</b>		<b>Redwood Fence Inserts</b> <small>(32 31 13 13-0215)</small>		
32 31 13 13-0235	LF	4' High Fence, Redwood Fence Insert	13.38	
32 31 13 13-0236	LF	5' High Fence, Redwood Fence Insert	16.92	
32 31 13 13-0237	LF	6' High Fence, Redwood Fence Insert	20.33	
32 31 13 13-0238	LF	7' High Fence, Redwood Fence Insert	23.66	
32 31 13 13-0239	LF	8' High Fence, Redwood Fence Insert	27.08	
<b>32 31 13 13-0240</b>		<b>Diagonal Flexible Polyethylene Inserts</b> <small>(32 31 13 13-0215)</small>		
32 31 13 13-0241	SF	Diagonal Polyethylene Fence Weave	3.66	
<b>32 31 13 13-0242</b>		<b>Hedge Link Fence Inserts</b> <small>(32 31 13 13-0215)</small>		
32 31 13 13-0243	LF	3' High Fence, Hedge Link Fence Insert	19.93	
32 31 13 13-0244	LF	3-1/2' High Fence, Hedge Link Fence Insert	22.71	
32 31 13 13-0245	LF	4' High Fence, Hedge Link Fence Insert	26.53	
32 31 13 13-0246	LF	5' High Fence, Hedge Link Fence Insert	32.70	
32 31 13 13-0247	LF	6' High Fence, Hedge Link Fence Insert	37.33	
32 31 13 13-0248	LF	7' High Fence, Hedge Link Fence Insert	47.32	
32 31 13 13-0249	LF	8' High Fence, Hedge Link Fence Insert	53.72	





		<b>Exterior Improvements</b>	<b>32</b>
		Site Improvements	32 30
		Fences and Gates	32 31

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0250 LF 10' High Fence, Hedge Link Fence Insert.....	64.29	
32 31 13 13-0251 LF 12' High Fence, Hedge Link Fence Insert.....	73.76	
<b>32 31 13 13-0252 Fence Windscreen Fabric</b> <small>(32 31 13 13-0170)</small>		
Note: Includes plastic wire clips.		
32 31 13 13-0253 SF Vinyl Coated Polyester Windscreen For Fence, 7 Oz Per SY .....	1.22	0.53
For Sewn Boxed Vent (Each), Add	27.98	
For Welded Boxed Vent (Each), Add	13.99	
For 4' x 4' One Color Logo (Each), Add	582.88	
<b>32 31 13 13-0254 Non-Climbable Fabric, Galvanized Chain Link</b> <small>(32 31 13 13-0170)</small>		
32 31 13 13-0255 LF 3' Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh .....	32.38	2.35
For 11 Gauge, Deduct	-4.95	
For 10 Gauge, Deduct	-1.98	
For 7 Gauge, Add	2.97	
For 6 Gauge, Add	6.93	
For 1/2" Mesh Fabric, Deduct	-1.24	
For 5/8" Mesh Fabric, Deduct	-2.72	
For 3/4" Mesh Fabric, Deduct	-3.96	
32 31 13 13-0256 LF 3'-6" Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh.....	37.08	2.65
For 11 Gauge, Deduct	-5.77	
For 10 Gauge, Deduct	-2.31	
For 7 Gauge, Add	3.46	
For 6 Gauge, Add	8.08	
For 1/2" Mesh Fabric, Deduct	-1.44	
For 5/8" Mesh Fabric, Deduct	-3.17	
For 3/4" Mesh Fabric, Deduct	-4.62	
32 31 13 13-0257 LF 4' Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh .....	41.83	2.94
For 11 Gauge, Deduct	-6.60	
For 10 Gauge, Deduct	-2.64	
For 7 Gauge, Add	3.96	
For 6 Gauge, Add	9.25	
For 1/2" Mesh Fabric, Deduct	-1.65	
For 5/8" Mesh Fabric, Deduct	-3.63	
For 3/4" Mesh Fabric, Deduct	-5.28	
32 31 13 13-0258 LF 5' Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh .....	50.65	3.52
For 11 Gauge, Deduct	-8.25	
For 10 Gauge, Deduct	-3.30	
For 7 Gauge, Add	4.95	
For 6 Gauge, Add	11.55	
For 1/2" Mesh Fabric, Deduct	-2.06	
For 5/8" Mesh Fabric, Deduct	-4.54	
For 3/4" Mesh Fabric, Deduct	-6.60	
32 31 13 13-0259 LF 6' Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh .....	59.55	4.12
For 11 Gauge, Deduct	-9.90	
For 10 Gauge, Deduct	-3.96	
For 7 Gauge, Add	5.94	
For 6 Gauge, Add	13.85	
For 1/2" Mesh Fabric, Deduct	-2.47	
For 5/8" Mesh Fabric, Deduct	-5.44	
For 3/4" Mesh Fabric, Deduct	-7.92	
32 31 13 13-0260 LF 7' Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh .....	68.57	4.70
For 11 Gauge, Deduct	-11.55	
For 10 Gauge, Deduct	-4.62	
For 7 Gauge, Add	6.93	
For 6 Gauge, Add	16.16	
For 1/2" Mesh Fabric, Deduct	-2.89	
For 5/8" Mesh Fabric, Deduct	-6.35	
For 3/4" Mesh Fabric, Deduct	-9.24	
32 31 13 13-0261 LF 8' Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh .....	77.74	5.88
For 11 Gauge, Deduct	-13.20	
For 10 Gauge, Deduct	-5.28	
For 7 Gauge, Add	7.92	
For 6 Gauge, Add	18.48	
For 1/2" Mesh Fabric, Deduct	-3.30	
For 5/8" Mesh Fabric, Deduct	-7.26	
For 3/4" Mesh Fabric, Deduct	-10.56	
32 31 13 13-0262 LF 9' Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh .....	85.79	6.17
For 11 Gauge, Deduct	-14.69	
For 10 Gauge, Deduct	-5.88	
For 7 Gauge, Add	8.81	
For 6 Gauge, Add	20.57	
For 1/2" Mesh Fabric, Deduct	-3.67	
For 5/8" Mesh Fabric, Deduct	-8.08	
For 3/4" Mesh Fabric, Deduct	-11.75	
32 31 13 13-0263 LF 10' Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh .....	93.87	6.46
For 11 Gauge, Deduct	-16.18	
For 10 Gauge, Deduct	-6.47	
For 7 Gauge, Add	9.71	
For 6 Gauge, Add	22.65	
For 1/2" Mesh Fabric, Deduct	-4.05	
For 5/8" Mesh Fabric, Deduct	-8.90	
For 3/4" Mesh Fabric, Deduct	-12.95	

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences and Gates**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0264 LF 12' Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh .....	101.81	7.04
For 11 Gauge, Deduct	-17.54	
For 10 Gauge, Deduct	-7.02	
For 7 Gauge, Add	10.53	
For 6 Gauge, Add	24.56	
For 1/2" Mesh Fabric, Deduct	-4.39	
For 5/8" Mesh Fabric, Deduct	-9.65	
For 3/4" Mesh Fabric, Deduct	-14.03	
<b>32 31 13 13-0265 Gates</b> <small>(32 31 13 13)</small>		
Note: Posts exclude drilling or augering in soil or rock. For barbed wire attached directly to posts and gates, select gates and posts sizes for full finished height of gate above grade (top rail to be at lower height, includes barb wire at top area where mesh would be). See CSI section 32 31 13 13-0001 for drilling for augering holes and backfill.		
<b>32 31 13 13-0266 Galvanized Steel Without Barbed Wire</b> <small>(32 31 13 13-0265)</small>		
Note: Industrial swing gate. Includes posts (3" diameter posts for up to 6' wide gate, 4" diameter for > 6' To 12' wide, 6-5/8" diameter for >12' To 18' wide, 8-5/8" diameter for over 18' wide), 2" diameter schedule pipe frame, offset hinges, cap and hardware (drop rod, center locking device, gate keeper, catch bolt and tension bands). Fabric: galvanized chain link 2" mesh # 9 gauge, galvanized 1.2 ounce coating.		
<b>32 31 13 13-0267 4' Fence Height</b> <small>(32 31 13 13-0266)</small>		
32 31 13 13-0268 EA 3' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire .....	358.35	22.91
For Gate With Single Barb Wire Arm, Add	31.54	
For Gate With Double Barb Wire Arm, Add	45.88	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-53.77	
For Aluminized Steel Gate And Post, Add	137.64	
For Powder Coated Gate And Post, Add	74.56	
For 1" Mesh Fabric, Add	124.74	
For 1-1/4" Mesh Fabric, Add	80.29	
For 1-3/4" Mesh Fabric, Add	49.90	
For 2-1/8" Mesh Fabric, Deduct	-24.95	
32 31 13 13-0269 EA 4' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire .....	453.93	23.86
For Gate With Single Barb Wire Arm, Add	42.06	
For Gate With Double Barb Wire Arm, Add	61.17	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-71.69	
For Aluminized Steel Gate And Post, Add	183.52	
For Powder Coated Gate And Post, Add	99.41	
For 1" Mesh Fabric, Add	166.32	
For 1-1/4" Mesh Fabric, Add	107.06	
For 1-3/4" Mesh Fabric, Add	66.53	
For 2-1/8" Mesh Fabric, Deduct	-33.26	
32 31 13 13-0270 EA 5' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire .....	537.97	25.39
For Gate With Single Barb Wire Arm, Add	50.78	
For Gate With Double Barb Wire Arm, Add	73.86	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-86.55	
For Aluminized Steel Gate And Post, Add	221.57	
For Powder Coated Gate And Post, Add	120.02	
For 1" Mesh Fabric, Add	200.80	
For 1-1/4" Mesh Fabric, Add	129.25	
For 1-3/4" Mesh Fabric, Add	80.32	
For 2-1/8" Mesh Fabric, Deduct	-40.16	
32 31 13 13-0271 EA 6' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire .....	632.52	30.55
For Gate With Single Barb Wire Arm, Add	59.50	
For Gate With Double Barb Wire Arm, Add	86.54	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-101.41	
For Aluminized Steel Gate And Post, Add	259.62	
For Powder Coated Gate And Post, Add	140.63	
For 1" Mesh Fabric, Add	235.28	
For 1-1/4" Mesh Fabric, Add	151.44	
For 1-3/4" Mesh Fabric, Add	94.11	
For 2-1/8" Mesh Fabric, Deduct	-47.06	
32 31 13 13-0272 EA 7' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire .....	727.05	35.60
For Gate With Single Barb Wire Arm, Add	68.22	
For Gate With Double Barb Wire Arm, Add	99.22	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-116.28	
For Aluminized Steel Gate And Post, Add	297.67	
For Powder Coated Gate And Post, Add	161.24	
For 1" Mesh Fabric, Add	269.76	
For 1-1/4" Mesh Fabric, Add	173.64	
For 1-3/4" Mesh Fabric, Add	107.90	
For 2-1/8" Mesh Fabric, Deduct	-53.95	
32 31 13 13-0273 EA 8' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire .....	824.85	40.67
For Gate With Single Barb Wire Arm, Add	77.29	
For Gate With Double Barb Wire Arm, Add	112.43	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-131.75	
For Aluminized Steel Gate And Post, Add	337.28	
For Powder Coated Gate And Post, Add	182.69	
For 1" Mesh Fabric, Add	305.66	
For 1-1/4" Mesh Fabric, Add	196.75	
For 1-3/4" Mesh Fabric, Add	122.26	
For 2-1/8" Mesh Fabric, Deduct	-61.13	



<b>Exterior Improvements</b>	<b>32</b>	<b>32</b>
Site Improvements	32 30	
Fences and Gates	32 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0274 EA 9' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire .....	919.37	45.81
For Gate With Single Barb Wire Arm, Add	86.01	
For Gate With Double Barb Wire Arm, Add	125.11	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-146.61	
For Aluminized Steel Gate And Post, Add	375.33	
For Powder Coated Gate And Post, Add	203.30	
For 1" Mesh Fabric, Add	340.14	
For 1-1/4" Mesh Fabric, Add	218.94	
For 1-3/4" Mesh Fabric, Add	136.06	
For 2-1/8" Mesh Fabric, Deduct	-68.03	
32 31 13 13-0275 EA 10' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire .....	1,015.32	50.88
For Gate With Single Barb Wire Arm, Add	94.89	
For Gate With Double Barb Wire Arm, Add	138.02	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-161.74	
For Aluminized Steel Gate And Post, Add	414.05	
For Powder Coated Gate And Post, Add	224.28	
For 1" Mesh Fabric, Add	375.23	
For 1-1/4" Mesh Fabric, Add	241.53	
For 1-3/4" Mesh Fabric, Add	150.09	
For 2-1/8" Mesh Fabric, Deduct	-75.05	
32 31 13 13-0276 EA 10' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire .....	1,299.75	50.88
For Gate With Single Barb Wire Arm, Add	126.17	
For Gate With Double Barb Wire Arm, Add	183.52	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-215.07	
For Aluminized Steel Gate And Post, Add	550.57	
For Powder Coated Gate And Post, Add	298.23	
For 1" Mesh Fabric, Add	498.95	
For 1-1/4" Mesh Fabric, Add	321.17	
For 1-3/4" Mesh Fabric, Add	199.58	
For 2-1/8" Mesh Fabric, Deduct	-99.79	
32 31 13 13-0277 EA 12' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire .....	1,540.06	54.50
For Gate With Single Barb Wire Arm, Add	151.41	
For Gate With Double Barb Wire Arm, Add	220.23	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-258.08	
For Aluminized Steel Gate And Post, Add	660.69	
For Powder Coated Gate And Post, Add	357.87	
For 1" Mesh Fabric, Add	598.75	
For 1-1/4" Mesh Fabric, Add	385.40	
For 1-3/4" Mesh Fabric, Add	239.50	
For 2-1/8" Mesh Fabric, Deduct	-119.75	
32 31 13 13-0278 EA 14' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire .....	1,782.05	58.70
For Gate With Single Barb Wire Arm, Add	176.64	
For Gate With Double Barb Wire Arm, Add	256.93	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-301.09	
For Aluminized Steel Gate And Post, Add	770.80	
For Powder Coated Gate And Post, Add	417.52	
For 1" Mesh Fabric, Add	698.54	
For 1-1/4" Mesh Fabric, Add	449.63	
For 1-3/4" Mesh Fabric, Add	279.41	
For 2-1/8" Mesh Fabric, Deduct	-139.71	
32 31 13 13-0279 EA 16' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire .....	2,026.14	63.57
For Gate With Single Barb Wire Arm, Add	201.88	
For Gate With Double Barb Wire Arm, Add	293.64	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-344.11	
For Aluminized Steel Gate And Post, Add	880.92	
For Powder Coated Gate And Post, Add	477.16	
For 1" Mesh Fabric, Add	798.33	
For 1-1/4" Mesh Fabric, Add	513.87	
For 1-3/4" Mesh Fabric, Add	319.33	
For 2-1/8" Mesh Fabric, Deduct	-159.67	
32 31 13 13-0280 EA 18' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire .....	2,310.06	81.68
For Gate With Single Barb Wire Arm, Add	227.11	
For Gate With Double Barb Wire Arm, Add	330.34	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-387.12	
For Aluminized Steel Gate And Post, Add	991.03	
For Powder Coated Gate And Post, Add	536.81	
For 1" Mesh Fabric, Add	898.12	
For 1-1/4" Mesh Fabric, Add	578.10	
For 1-3/4" Mesh Fabric, Add	359.25	
For 2-1/8" Mesh Fabric, Deduct	-179.62	
32 31 13 13-0281 EA 20' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire .....	2,557.00	87.55
For Gate With Single Barb Wire Arm, Add	252.35	
For Gate With Double Barb Wire Arm, Add	367.05	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-430.13	
For Aluminized Steel Gate And Post, Add	1,101.14	
For Powder Coated Gate And Post, Add	596.45	
For 1" Mesh Fabric, Add	997.91	
For 1-1/4" Mesh Fabric, Add	642.33	
For 1-3/4" Mesh Fabric, Add	399.16	
For 2-1/8" Mesh Fabric, Deduct	-199.58	

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences and Gates**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0282	EA	22' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire .....	2,801.04	94.34
		<i>For Gate With Single Barb Wire Arm, Add</i>	276.96	
		<i>For Gate With Double Barb Wire Arm, Add</i>	402.86	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-472.10	
		<i>For Aluminized Steel Gate And Post, Add</i>	1,208.57	
		<i>For Powder Coated Gate And Post, Add</i>	654.64	
		<i>For 1" Mesh Fabric, Add</i>	1,095.27	
		<i>For 1-1/4" Mesh Fabric, Add</i>	705.00	
		<i>For 1-3/4" Mesh Fabric, Add</i>	438.11	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-219.05	
32 31 13 13-0283	EA	24' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire .....	3,048.44	102.16
		<i>For Gate With Single Barb Wire Arm, Add</i>	301.58	
		<i>For Gate With Double Barb Wire Arm, Add</i>	438.67	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-514.06	
		<i>For Aluminized Steel Gate And Post, Add</i>	1,316.00	
		<i>For Powder Coated Gate And Post, Add</i>	712.83	
		<i>For 1" Mesh Fabric, Add</i>	1,192.63	
		<i>For 1-1/4" Mesh Fabric, Add</i>	767.67	
		<i>For 1-3/4" Mesh Fabric, Add</i>	477.05	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-238.53	
32 31 13 13-0284	EA	26' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire .....	3,300.15	111.48
		<i>For Gate With Single Barb Wire Arm, Add</i>	326.20	
		<i>For Gate With Double Barb Wire Arm, Add</i>	474.48	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-556.03	
		<i>For Aluminized Steel Gate And Post, Add</i>	1,423.43	
		<i>For Powder Coated Gate And Post, Add</i>	771.02	
		<i>For 1" Mesh Fabric, Add</i>	1,289.98	
		<i>For 1-1/4" Mesh Fabric, Add</i>	830.33	
		<i>For 1-3/4" Mesh Fabric, Add</i>	515.99	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-258.00	
32 31 13 13-0285	EA	28' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire .....	3,473.49	122.63
		<i>For Gate With Single Barb Wire Arm, Add</i>	341.59	
		<i>For Gate With Double Barb Wire Arm, Add</i>	496.86	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-582.26	
		<i>For Aluminized Steel Gate And Post, Add</i>	1,490.57	
		<i>For Powder Coated Gate And Post, Add</i>	807.39	
		<i>For 1" Mesh Fabric, Add</i>	1,350.83	
		<i>For 1-1/4" Mesh Fabric, Add</i>	869.50	
		<i>For 1-3/4" Mesh Fabric, Add</i>	540.33	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-270.17	
32 31 13 13-0286	EA	30' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire .....	3,850.10	136.21
		<i>For Gate With Single Barb Wire Arm, Add</i>	378.52	
		<i>For Gate With Double Barb Wire Arm, Add</i>	550.57	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-645.20	
		<i>For Aluminized Steel Gate And Post, Add</i>	1,651.71	
		<i>For Powder Coated Gate And Post, Add</i>	894.68	
		<i>For 1" Mesh Fabric, Add</i>	1,496.87	
		<i>For 1-1/4" Mesh Fabric, Add</i>	963.50	
		<i>For 1-3/4" Mesh Fabric, Add</i>	598.75	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-299.37	
<b>32 31 13 13-0287</b>		<b>5' Fence Height</b> <small>(32 31 13 13-0286)</small>		
32 31 13 13-0288	EA	3' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire .....	430.73	25.39
		<i>For Gate With Single Barb Wire Arm, Add</i>	38.98	
		<i>For Gate With Double Barb Wire Arm, Add</i>	56.70	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-66.44	
		<i>For Aluminized Steel Gate And Post, Add</i>	170.10	
		<i>For Powder Coated Gate And Post, Add</i>	92.14	
		<i>For 1" Mesh Fabric, Add</i>	154.15	
		<i>For 1-1/4" Mesh Fabric, Add</i>	99.22	
		<i>For 1-3/4" Mesh Fabric, Add</i>	61.66	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-30.83	
32 31 13 13-0289	EA	4' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire .....	547.29	25.39
		<i>For Gate With Single Barb Wire Arm, Add</i>	51.80	
		<i>For Gate With Double Barb Wire Arm, Add</i>	75.35	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-88.30	
		<i>For Aluminized Steel Gate And Post, Add</i>	226.05	
		<i>For Powder Coated Gate And Post, Add</i>	122.44	
		<i>For 1" Mesh Fabric, Add</i>	204.85	
		<i>For 1-1/4" Mesh Fabric, Add</i>	131.86	
		<i>For 1-3/4" Mesh Fabric, Add</i>	81.94	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-40.97	
32 31 13 13-0290	EA	5' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire .....	640.67	27.01
		<i>For Gate With Single Barb Wire Arm, Add</i>	61.55	
		<i>For Gate With Double Barb Wire Arm, Add</i>	89.52	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-104.91	
		<i>For Aluminized Steel Gate And Post, Add</i>	268.57	
		<i>For Powder Coated Gate And Post, Add</i>	145.48	
		<i>For 1" Mesh Fabric, Add</i>	243.39	
		<i>For 1-1/4" Mesh Fabric, Add</i>	156.67	
		<i>For 1-3/4" Mesh Fabric, Add</i>	97.36	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-48.68	



<b>Exterior Improvements</b>	<b>32</b>	<b>32</b>
Site Improvements	32 30	
Fences and Gates	32 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0291 EA 6' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire .....	750.15	32.45
For Gate With Single Barb Wire Arm, Add	71.81	
For Gate With Double Barb Wire Arm, Add	104.44	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-122.40	
For Aluminized Steel Gate And Post, Add	313.33	
For Powder Coated Gate And Post, Add	169.72	
For 1" Mesh Fabric, Add	283.96	
For 1-1/4" Mesh Fabric, Add	182.78	
For 1-3/4" Mesh Fabric, Add	113.58	
For 2-1/8" Mesh Fabric, Deduct	-56.79	
32 31 13 13-0292 EA 7' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire .....	850.30	37.80
For Gate With Single Barb Wire Arm, Add	81.04	
For Gate With Double Barb Wire Arm, Add	117.87	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-138.13	
For Aluminized Steel Gate And Post, Add	353.62	
For Powder Coated Gate And Post, Add	191.54	
For 1" Mesh Fabric, Add	320.47	
For 1-1/4" Mesh Fabric, Add	206.28	
For 1-3/4" Mesh Fabric, Add	128.19	
For 2-1/8" Mesh Fabric, Deduct	-64.09	
32 31 13 13-0293 EA 8' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire .....	960.73	43.53
For Gate With Single Barb Wire Arm, Add	91.30	
For Gate With Double Barb Wire Arm, Add	132.79	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-155.62	
For Aluminized Steel Gate And Post, Add	398.38	
For Powder Coated Gate And Post, Add	215.79	
For 1" Mesh Fabric, Add	361.03	
For 1-1/4" Mesh Fabric, Add	232.39	
For 1-3/4" Mesh Fabric, Add	144.41	
For 2-1/8" Mesh Fabric, Deduct	-72.21	
32 31 13 13-0294 EA 9' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire .....	1,065.54	48.96
For Gate With Single Barb Wire Arm, Add	101.04	
For Gate With Double Barb Wire Arm, Add	146.97	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-172.23	
For Aluminized Steel Gate And Post, Add	440.90	
For Powder Coated Gate And Post, Add	238.82	
For 1" Mesh Fabric, Add	399.57	
For 1-1/4" Mesh Fabric, Add	257.19	
For 1-3/4" Mesh Fabric, Add	159.83	
For 2-1/8" Mesh Fabric, Deduct	-79.91	
32 31 13 13-0295 EA 10' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire .....	1,170.37	54.32
For Gate With Single Barb Wire Arm, Add	110.79	
For Gate With Double Barb Wire Arm, Add	161.14	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-188.84	
For Aluminized Steel Gate And Post, Add	483.43	
For Powder Coated Gate And Post, Add	261.86	
For 1" Mesh Fabric, Add	438.11	
For 1-1/4" Mesh Fabric, Add	282.00	
For 1-3/4" Mesh Fabric, Add	175.24	
For 2-1/8" Mesh Fabric, Deduct	-87.62	
32 31 13 13-0296 EA 10' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire .....	1,584.82	54.50
For Gate With Single Barb Wire Arm, Add	156.33	
For Gate With Double Barb Wire Arm, Add	227.39	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-266.47	
For Aluminized Steel Gate And Post, Add	682.17	
For Powder Coated Gate And Post, Add	369.51	
For 1" Mesh Fabric, Add	618.22	
For 1-1/4" Mesh Fabric, Add	397.93	
For 1-3/4" Mesh Fabric, Add	247.29	
For 2-1/8" Mesh Fabric, Deduct	-123.64	
32 31 13 13-0297 EA 12' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire .....	1,882.77	58.70
For Gate With Single Barb Wire Arm, Add	187.72	
For Gate With Double Barb Wire Arm, Add	273.05	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-319.98	
For Aluminized Steel Gate And Post, Add	819.14	
For Powder Coated Gate And Post, Add	443.70	
For 1" Mesh Fabric, Add	742.35	
For 1-1/4" Mesh Fabric, Add	477.83	
For 1-3/4" Mesh Fabric, Add	296.94	
For 2-1/8" Mesh Fabric, Deduct	-148.47	
32 31 13 13-0298 EA 14' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire .....	2,182.81	63.57
For Gate With Single Barb Wire Arm, Add	219.11	
For Gate With Double Barb Wire Arm, Add	318.71	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-373.48	
For Aluminized Steel Gate And Post, Add	956.12	
For Powder Coated Gate And Post, Add	517.90	
For 1" Mesh Fabric, Add	866.48	
For 1-1/4" Mesh Fabric, Add	557.73	
For 1-3/4" Mesh Fabric, Add	346.59	
For 2-1/8" Mesh Fabric, Deduct	-173.30	

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences and Gates**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0299 EA 16' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire .....	2,522.68	81.68
For Gate With Single Barb Wire Arm, Add	250.50	
For Gate With Double Barb Wire Arm, Add	364.36	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-426.99	
For Aluminized Steel Gate And Post, Add	1,093.08	
For Powder Coated Gate And Post, Add	592.09	
For 1" Mesh Fabric, Add	990.61	
For 1-1/4" Mesh Fabric, Add	637.63	
For 1-3/4" Mesh Fabric, Add	396.24	
For 2-1/8" Mesh Fabric, Deduct	-198.12	
32 31 13 13-0300 EA 18' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire .....	2,819.97	87.55
For Gate With Single Barb Wire Arm, Add	281.27	
For Gate With Double Barb Wire Arm, Add	409.12	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-479.44	
For Aluminized Steel Gate And Post, Add	1,227.37	
For Powder Coated Gate And Post, Add	664.83	
For 1" Mesh Fabric, Add	1,112.30	
For 1-1/4" Mesh Fabric, Add	715.97	
For 1-3/4" Mesh Fabric, Add	444.92	
For 2-1/8" Mesh Fabric, Deduct	-222.46	
32 31 13 13-0301 EA 20' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire .....	3,131.16	94.34
For Gate With Single Barb Wire Arm, Add	313.28	
For Gate With Double Barb Wire Arm, Add	455.68	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-534.00	
For Aluminized Steel Gate And Post, Add	1,367.03	
For Powder Coated Gate And Post, Add	740.47	
For 1" Mesh Fabric, Add	1,238.87	
For 1-1/4" Mesh Fabric, Add	797.43	
For 1-3/4" Mesh Fabric, Add	495.55	
For 2-1/8" Mesh Fabric, Deduct	-247.77	
32 31 13 13-0302 EA 22' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire .....	3,440.10	102.16
For Gate With Single Barb Wire Arm, Add	344.67	
For Gate With Double Barb Wire Arm, Add	501.33	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-587.50	
For Aluminized Steel Gate And Post, Add	1,504.00	
For Powder Coated Gate And Post, Add	814.67	
For 1" Mesh Fabric, Add	1,363.00	
For 1-1/4" Mesh Fabric, Add	877.33	
For 1-3/4" Mesh Fabric, Add	545.20	
For 2-1/8" Mesh Fabric, Deduct	-272.60	
32 31 13 13-0303 EA 24' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire .....	3,747.77	111.48
For Gate With Single Barb Wire Arm, Add	375.44	
For Gate With Double Barb Wire Arm, Add	546.10	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-639.96	
For Aluminized Steel Gate And Post, Add	1,638.29	
For Powder Coated Gate And Post, Add	887.41	
For 1" Mesh Fabric, Add	1,484.70	
For 1-1/4" Mesh Fabric, Add	955.67	
For 1-3/4" Mesh Fabric, Add	593.88	
For 2-1/8" Mesh Fabric, Deduct	-296.94	
32 31 13 13-0304 EA 26' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire .....	4,072.18	122.63
For Gate With Single Barb Wire Arm, Add	407.45	
For Gate With Double Barb Wire Arm, Add	592.65	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-694.51	
For Aluminized Steel Gate And Post, Add	1,777.94	
For Powder Coated Gate And Post, Add	963.05	
For 1" Mesh Fabric, Add	1,611.26	
For 1-1/4" Mesh Fabric, Add	1,037.13	
For 1-3/4" Mesh Fabric, Add	644.50	
For 2-1/8" Mesh Fabric, Deduct	-322.25	
32 31 13 13-0305 EA 28' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire .....	4,394.91	136.21
For Gate With Single Barb Wire Arm, Add	438.45	
For Gate With Double Barb Wire Arm, Add	637.74	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-747.35	
For Aluminized Steel Gate And Post, Add	1,913.22	
For Powder Coated Gate And Post, Add	1,036.33	
For 1" Mesh Fabric, Add	1,733.86	
For 1-1/4" Mesh Fabric, Add	1,116.05	
For 1-3/4" Mesh Fabric, Add	693.54	
For 2-1/8" Mesh Fabric, Deduct	-346.77	
32 31 13 13-0306 EA 30' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire .....	4,723.73	153.23
For Gate With Single Barb Wire Arm, Add	468.99	
For Gate With Double Barb Wire Arm, Add	682.17	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-799.42	
For Aluminized Steel Gate And Post, Add	2,046.51	
For Powder Coated Gate And Post, Add	1,108.53	
For 1" Mesh Fabric, Add	1,854.65	
For 1-1/4" Mesh Fabric, Add	1,193.80	
For 1-3/4" Mesh Fabric, Add	741.86	
For 2-1/8" Mesh Fabric, Deduct	-370.93	

32 31 13 13-0307 6' Fence Height (32 31 13 13-0266)



<b>Exterior Improvements</b>	<b>32</b>	<b>32</b>
Site Improvements	32 30	
Fences and Gates	32 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0308 EA 3' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire .....	461.83	27.20
For Gate With Single Barb Wire Arm, Add	41.80	
For Gate With Double Barb Wire Arm, Add	60.80	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-71.25	
For Aluminized Steel Gate And Post, Add	182.40	
For Powder Coated Gate And Post, Add	98.80	
For 1" Mesh Fabric, Add	165.30	
For 1-1/4" Mesh Fabric, Add	106.40	
For 1-3/4" Mesh Fabric, Add	66.12	
For 2-1/8" Mesh Fabric, Deduct	-33.06	
32 31 13 13-0309 EA 4' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire .....	587.72	27.20
For Gate With Single Barb Wire Arm, Add	55.65	
For Gate With Double Barb Wire Arm, Add	80.94	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-94.86	
For Aluminized Steel Gate And Post, Add	242.83	
For Powder Coated Gate And Post, Add	131.53	
For 1" Mesh Fabric, Add	220.07	
For 1-1/4" Mesh Fabric, Add	141.65	
For 1-3/4" Mesh Fabric, Add	88.03	
For 2-1/8" Mesh Fabric, Deduct	-44.01	
32 31 13 13-0310 EA 5' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire .....	689.06	28.92
For Gate With Single Barb Wire Arm, Add	66.24	
For Gate With Double Barb Wire Arm, Add	96.35	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-112.91	
For Aluminized Steel Gate And Post, Add	289.05	
For Powder Coated Gate And Post, Add	156.57	
For 1" Mesh Fabric, Add	261.95	
For 1-1/4" Mesh Fabric, Add	168.61	
For 1-3/4" Mesh Fabric, Add	104.78	
For 2-1/8" Mesh Fabric, Deduct	-52.39	
32 31 13 13-0311 EA 6' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire .....	799.74	34.93
For Gate With Single Barb Wire Arm, Add	76.42	
For Gate With Double Barb Wire Arm, Add	111.16	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-130.26	
For Aluminized Steel Gate And Post, Add	333.48	
For Powder Coated Gate And Post, Add	180.63	
For 1" Mesh Fabric, Add	302.21	
For 1-1/4" Mesh Fabric, Add	194.53	
For 1-3/4" Mesh Fabric, Add	120.88	
For 2-1/8" Mesh Fabric, Deduct	-60.44	
32 31 13 13-0312 EA 7' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire .....	915.78	41.05
For Gate With Single Barb Wire Arm, Add	87.19	
For Gate With Double Barb Wire Arm, Add	126.83	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-148.62	
For Aluminized Steel Gate And Post, Add	380.48	
For Powder Coated Gate And Post, Add	206.09	
For 1" Mesh Fabric, Add	344.81	
For 1-1/4" Mesh Fabric, Add	221.94	
For 1-3/4" Mesh Fabric, Add	137.92	
For 2-1/8" Mesh Fabric, Deduct	-68.96	
32 31 13 13-0313 EA 8' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire .....	1,026.22	46.77
For Gate With Single Barb Wire Arm, Add	97.45	
For Gate With Double Barb Wire Arm, Add	141.75	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-166.11	
For Aluminized Steel Gate And Post, Add	425.24	
For Powder Coated Gate And Post, Add	230.34	
For 1" Mesh Fabric, Add	385.37	
For 1-1/4" Mesh Fabric, Add	248.05	
For 1-3/4" Mesh Fabric, Add	154.15	
For 2-1/8" Mesh Fabric, Deduct	-77.07	
32 31 13 13-0314 EA 9' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire .....	1,137.62	52.78
For Gate With Single Barb Wire Arm, Add	107.71	
For Gate With Double Barb Wire Arm, Add	156.67	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-183.59	
For Aluminized Steel Gate And Post, Add	470.00	
For Powder Coated Gate And Post, Add	254.58	
For 1" Mesh Fabric, Add	425.94	
For 1-1/4" Mesh Fabric, Add	274.17	
For 1-3/4" Mesh Fabric, Add	170.38	
For 2-1/8" Mesh Fabric, Deduct	-85.19	
32 31 13 13-0315 EA 10' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire .....	1,207.03	58.79
For Gate With Single Barb Wire Arm, Add	113.35	
For Gate With Double Barb Wire Arm, Add	164.87	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-193.21	
For Aluminized Steel Gate And Post, Add	494.62	
For Powder Coated Gate And Post, Add	267.92	
For 1" Mesh Fabric, Add	448.25	
For 1-1/4" Mesh Fabric, Add	288.53	
For 1-3/4" Mesh Fabric, Add	179.30	
For 2-1/8" Mesh Fabric, Deduct	-89.65	

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences and Gates**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0316	EA	10' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire .....	1,692.53	58.70
		<i>For Gate With Single Barb Wire Arm, Add</i>	166.79	
		<i>For Gate With Double Barb Wire Arm, Add</i>	242.61	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-284.31	
		<i>For Aluminized Steel Gate And Post, Add</i>	727.83	
		<i>For Powder Coated Gate And Post, Add</i>	394.24	
		<i>For 1" Mesh Fabric, Add</i>	659.59	
		<i>For 1-1/4" Mesh Fabric, Add</i>	424.57	
		<i>For 1-3/4" Mesh Fabric, Add</i>	263.84	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-131.92	
32 31 13 13-0317	EA	12' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire .....	2,009.35	63.57
		<i>For Gate With Single Barb Wire Arm, Add</i>	200.03	
		<i>For Gate With Double Barb Wire Arm, Add</i>	290.95	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-340.96	
		<i>For Aluminized Steel Gate And Post, Add</i>	872.86	
		<i>For Powder Coated Gate And Post, Add</i>	472.80	
		<i>For 1" Mesh Fabric, Add</i>	791.03	
		<i>For 1-1/4" Mesh Fabric, Add</i>	509.17	
		<i>For 1-3/4" Mesh Fabric, Add</i>	316.41	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-158.21	
32 31 13 13-0318	EA	14' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire .....	2,389.14	87.55
		<i>For Gate With Single Barb Wire Arm, Add</i>	233.88	
		<i>For Gate With Double Barb Wire Arm, Add</i>	340.19	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-398.66	
		<i>For Aluminized Steel Gate And Post, Add</i>	1,020.57	
		<i>For Powder Coated Gate And Post, Add</i>	552.81	
		<i>For 1" Mesh Fabric, Add</i>	924.89	
		<i>For 1-1/4" Mesh Fabric, Add</i>	595.33	
		<i>For 1-3/4" Mesh Fabric, Add</i>	369.96	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-184.98	
32 31 13 13-0319	EA	16' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire .....	2,711.51	94.34
		<i>For Gate With Single Barb Wire Arm, Add</i>	267.12	
		<i>For Gate With Double Barb Wire Arm, Add</i>	388.53	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-455.31	
		<i>For Aluminized Steel Gate And Post, Add</i>	1,165.60	
		<i>For Powder Coated Gate And Post, Add</i>	631.37	
		<i>For 1" Mesh Fabric, Add</i>	1,056.32	
		<i>For 1-1/4" Mesh Fabric, Add</i>	679.93	
		<i>For 1-3/4" Mesh Fabric, Add</i>	422.53	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-211.26	
32 31 13 13-0320	EA	18' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire .....	3,042.84	102.16
		<i>For Gate With Single Barb Wire Arm, Add</i>	300.97	
		<i>For Gate With Double Barb Wire Arm, Add</i>	437.77	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-513.01	
		<i>For Aluminized Steel Gate And Post, Add</i>	1,313.31	
		<i>For Powder Coated Gate And Post, Add</i>	711.38	
		<i>For 1" Mesh Fabric, Add</i>	1,190.19	
		<i>For 1-1/4" Mesh Fabric, Add</i>	766.10	
		<i>For 1-3/4" Mesh Fabric, Add</i>	476.08	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-238.04	
32 31 13 13-0321	EA	20' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire .....	3,378.48	111.48
		<i>For Gate With Single Barb Wire Arm, Add</i>	334.82	
		<i>For Gate With Double Barb Wire Arm, Add</i>	487.01	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-570.71	
		<i>For Aluminized Steel Gate And Post, Add</i>	1,461.03	
		<i>For Powder Coated Gate And Post, Add</i>	791.39	
		<i>For 1" Mesh Fabric, Add</i>	1,324.06	
		<i>For 1-1/4" Mesh Fabric, Add</i>	852.27	
		<i>For 1-3/4" Mesh Fabric, Add</i>	529.62	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-264.81	
32 31 13 13-0322	EA	22' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire .....	3,714.08	122.63
		<i>For Gate With Single Barb Wire Arm, Add</i>	368.05	
		<i>For Gate With Double Barb Wire Arm, Add</i>	535.35	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-627.37	
		<i>For Aluminized Steel Gate And Post, Add</i>	1,606.06	
		<i>For Powder Coated Gate And Post, Add</i>	869.95	
		<i>For 1" Mesh Fabric, Add</i>	1,455.49	
		<i>For 1-1/4" Mesh Fabric, Add</i>	936.87	
		<i>For 1-3/4" Mesh Fabric, Add</i>	582.20	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-291.10	
32 31 13 13-0323	EA	24' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire .....	4,059.92	136.21
		<i>For Gate With Single Barb Wire Arm, Add</i>	401.60	
		<i>For Gate With Double Barb Wire Arm, Add</i>	584.14	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-684.54	
		<i>For Aluminized Steel Gate And Post, Add</i>	1,752.43	
		<i>For Powder Coated Gate And Post, Add</i>	949.23	
		<i>For 1" Mesh Fabric, Add</i>	1,588.14	
		<i>For 1-1/4" Mesh Fabric, Add</i>	1,022.25	
		<i>For 1-3/4" Mesh Fabric, Add</i>	635.25	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-317.63	





	<b>Exterior Improvements</b>	<b>32</b>
	Site Improvements	32 30
	Fences and Gates	32 31

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0324 EA 26' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire .....	4,412.64	153.23
For Gate With Single Barb Wire Arm, Add	434.77	
For Gate With Double Barb Wire Arm, Add	632.40	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-741.09	
For Aluminized Steel Gate And Post, Add	1,897.19	
For Powder Coated Gate And Post, Add	1,027.64	
For 1" Mesh Fabric, Add	1,719.33	
For 1-1/4" Mesh Fabric, Add	1,106.69	
For 1-3/4" Mesh Fabric, Add	687.73	
For 2-1/8" Mesh Fabric, Deduct	-343.87	
32 31 13 13-0325 EA 28' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire .....	4,783.88	175.09
For Gate With Single Barb Wire Arm, Add	468.38	
For Gate With Double Barb Wire Arm, Add	681.28	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-798.37	
For Aluminized Steel Gate And Post, Add	2,043.83	
For Powder Coated Gate And Post, Add	1,107.07	
For 1" Mesh Fabric, Add	1,852.22	
For 1-1/4" Mesh Fabric, Add	1,192.23	
For 1-3/4" Mesh Fabric, Add	740.89	
For 2-1/8" Mesh Fabric, Deduct	-370.44	
32 31 13 13-0326 EA 30' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire .....	5,177.59	204.31
For Gate With Single Barb Wire Arm, Add	502.04	
For Gate With Double Barb Wire Arm, Add	730.25	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-855.76	
For Aluminized Steel Gate And Post, Add	2,190.74	
For Powder Coated Gate And Post, Add	1,186.65	
For 1" Mesh Fabric, Add	1,985.36	
For 1-1/4" Mesh Fabric, Add	1,277.93	
For 1-3/4" Mesh Fabric, Add	794.14	
For 2-1/8" Mesh Fabric, Deduct	-397.07	
<b>32 31 13 13-0327 7' Fence Height <small>(32 31 13 13-0266)</small></b>		
32 31 13 13-0328 EA 3' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire .....	484.44	29.30
For Gate With Single Barb Wire Arm, Add	43.60	
For Gate With Double Barb Wire Arm, Add	63.41	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-74.31	
For Aluminized Steel Gate And Post, Add	190.24	
For Powder Coated Gate And Post, Add	103.05	
For 1" Mesh Fabric, Add	172.40	
For 1-1/4" Mesh Fabric, Add	110.97	
For 1-3/4" Mesh Fabric, Add	68.96	
For 2-1/8" Mesh Fabric, Deduct	-34.48	
32 31 13 13-0329 EA 4' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire .....	615.00	29.30
For Gate With Single Barb Wire Arm, Add	57.96	
For Gate With Double Barb Wire Arm, Add	84.30	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-98.79	
For Aluminized Steel Gate And Post, Add	252.91	
For Powder Coated Gate And Post, Add	136.99	
For 1" Mesh Fabric, Add	229.20	
For 1-1/4" Mesh Fabric, Add	147.53	
For 1-3/4" Mesh Fabric, Add	91.68	
For 2-1/8" Mesh Fabric, Deduct	-45.84	
32 31 13 13-0330 EA 5' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire .....	725.23	30.83
For Gate With Single Barb Wire Arm, Add	69.59	
For Gate With Double Barb Wire Arm, Add	101.22	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-118.62	
For Aluminized Steel Gate And Post, Add	303.67	
For Powder Coated Gate And Post, Add	164.49	
For 1" Mesh Fabric, Add	275.20	
For 1-1/4" Mesh Fabric, Add	177.14	
For 1-3/4" Mesh Fabric, Add	110.08	
For 2-1/8" Mesh Fabric, Deduct	-55.04	
32 31 13 13-0331 EA 6' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire .....	888.89	37.51
For Gate With Single Barb Wire Arm, Add	85.39	
For Gate With Double Barb Wire Arm, Add	124.20	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-145.55	
For Aluminized Steel Gate And Post, Add	372.60	
For Powder Coated Gate And Post, Add	201.83	
For 1" Mesh Fabric, Add	337.67	
For 1-1/4" Mesh Fabric, Add	217.35	
For 1-3/4" Mesh Fabric, Add	135.07	
For 2-1/8" Mesh Fabric, Deduct	-67.53	
32 31 13 13-0332 EA 7' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire .....	1,051.62	43.91
For Gate With Single Barb Wire Arm, Add	101.19	
For Gate With Double Barb Wire Arm, Add	147.18	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-172.48	
For Aluminized Steel Gate And Post, Add	441.55	
For Powder Coated Gate And Post, Add	239.17	
For 1" Mesh Fabric, Add	400.16	
For 1-1/4" Mesh Fabric, Add	257.57	
For 1-3/4" Mesh Fabric, Add	160.06	
For 2-1/8" Mesh Fabric, Deduct	-80.03	

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences and Gates**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13	13-0333	EA 8' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire .....	1,215.29	50.50
		For Gate With Single Barb Wire Arm, Add	116.99	
		For Gate With Double Barb Wire Arm, Add	170.16	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-199.41	
		For Aluminized Steel Gate And Post, Add	510.49	
		For Powder Coated Gate And Post, Add	276.52	
		For 1" Mesh Fabric, Add	462.63	
		For 1-1/4" Mesh Fabric, Add	297.79	
		For 1-3/4" Mesh Fabric, Add	185.05	
		For 2-1/8" Mesh Fabric, Deduct	-92.53	
32 31 13	13-0334	EA 9' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire .....	1,378.02	56.89
		For Gate With Single Barb Wire Arm, Add	132.79	
		For Gate With Double Barb Wire Arm, Add	193.15	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-226.34	
		For Aluminized Steel Gate And Post, Add	579.44	
		For Powder Coated Gate And Post, Add	313.86	
		For 1" Mesh Fabric, Add	525.12	
		For 1-1/4" Mesh Fabric, Add	338.01	
		For 1-3/4" Mesh Fabric, Add	210.05	
		For 2-1/8" Mesh Fabric, Deduct	-105.02	
32 31 13	13-0335	EA 10' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire .....	1,515.81	63.57
		For Gate With Single Barb Wire Arm, Add	145.74	
		For Gate With Double Barb Wire Arm, Add	211.99	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-248.42	
		For Aluminized Steel Gate And Post, Add	635.96	
		For Powder Coated Gate And Post, Add	344.48	
		For 1" Mesh Fabric, Add	576.34	
		For 1-1/4" Mesh Fabric, Add	370.97	
		For 1-3/4" Mesh Fabric, Add	230.53	
		For 2-1/8" Mesh Fabric, Deduct	-115.27	
32 31 13	13-0336	EA 10' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire .....	1,930.01	63.57
		For Gate With Single Barb Wire Arm, Add	191.30	
		For Gate With Double Barb Wire Arm, Add	278.26	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-326.08	
		For Aluminized Steel Gate And Post, Add	834.77	
		For Powder Coated Gate And Post, Add	452.17	
		For 1" Mesh Fabric, Add	756.51	
		For 1-1/4" Mesh Fabric, Add	486.95	
		For 1-3/4" Mesh Fabric, Add	302.61	
		For 2-1/8" Mesh Fabric, Deduct	-151.30	
32 31 13	13-0337	EA 12' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire .....	2,196.70	87.55
		For Gate With Single Barb Wire Arm, Add	212.71	
		For Gate With Double Barb Wire Arm, Add	309.40	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-362.58	
		For Aluminized Steel Gate And Post, Add	928.20	
		For Powder Coated Gate And Post, Add	502.78	
		For 1" Mesh Fabric, Add	841.18	
		For 1-1/4" Mesh Fabric, Add	541.45	
		For 1-3/4" Mesh Fabric, Add	336.47	
		For 2-1/8" Mesh Fabric, Deduct	-168.24	
32 31 13	13-0338	EA 14' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire .....	2,539.22	94.34
		For Gate With Single Barb Wire Arm, Add	248.16	
		For Gate With Double Barb Wire Arm, Add	360.97	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-423.01	
		For Aluminized Steel Gate And Post, Add	1,082.90	
		For Powder Coated Gate And Post, Add	586.57	
		For 1" Mesh Fabric, Add	981.38	
		For 1-1/4" Mesh Fabric, Add	631.69	
		For 1-3/4" Mesh Fabric, Add	392.55	
		For 2-1/8" Mesh Fabric, Deduct	-196.28	
32 31 13	13-0339	EA 16' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire .....	2,858.20	102.16
		For Gate With Single Barb Wire Arm, Add	280.66	
		For Gate With Double Barb Wire Arm, Add	408.23	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-478.39	
		For Aluminized Steel Gate And Post, Add	1,224.69	
		For Powder Coated Gate And Post, Add	663.37	
		For 1" Mesh Fabric, Add	1,109.87	
		For 1-1/4" Mesh Fabric, Add	714.40	
		For 1-3/4" Mesh Fabric, Add	443.95	
		For 2-1/8" Mesh Fabric, Deduct	-221.97	
32 31 13	13-0340	EA 18' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire .....	3,210.62	111.48
		For Gate With Single Barb Wire Arm, Add	316.35	
		For Gate With Double Barb Wire Arm, Add	460.15	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-539.24	
		For Aluminized Steel Gate And Post, Add	1,380.46	
		For Powder Coated Gate And Post, Add	747.75	
		For 1" Mesh Fabric, Add	1,251.04	
		For 1-1/4" Mesh Fabric, Add	805.27	
		For 1-3/4" Mesh Fabric, Add	500.42	
		For 2-1/8" Mesh Fabric, Deduct	-250.21	



		<b>Exterior Improvements</b>	<b>32</b>
		Site Improvements	32 30
		Fences and Gates	32 31

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0341 EA 20' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire.....	3,563.01	122.63
For Gate With Single Barb Wire Arm, Add	351.44	
For Gate With Double Barb Wire Arm, Add	511.18	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-599.04	
For Aluminized Steel Gate And Post, Add	1,533.54	
For Powder Coated Gate And Post, Add	830.67	
For 1" Mesh Fabric, Add	1,389.77	
For 1-1/4" Mesh Fabric, Add	894.57	
For 1-3/4" Mesh Fabric, Add	555.91	
For 2-1/8" Mesh Fabric, Deduct	-277.95	
32 31 13 13-0342 EA 22' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire.....	3,922.84	136.21
For Gate With Single Barb Wire Arm, Add	386.52	
For Gate With Double Barb Wire Arm, Add	562.21	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-658.84	
For Aluminized Steel Gate And Post, Add	1,686.63	
For Powder Coated Gate And Post, Add	913.59	
For 1" Mesh Fabric, Add	1,528.51	
For 1-1/4" Mesh Fabric, Add	983.87	
For 1-3/4" Mesh Fabric, Add	611.40	
For 2-1/8" Mesh Fabric, Deduct	-305.70	
32 31 13 13-0343 EA 24' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire.....	4,292.90	153.23
For Gate With Single Barb Wire Arm, Add	421.60	
For Gate With Double Barb Wire Arm, Add	613.24	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-718.64	
For Aluminized Steel Gate And Post, Add	1,839.72	
For Powder Coated Gate And Post, Add	996.51	
For 1" Mesh Fabric, Add	1,667.24	
For 1-1/4" Mesh Fabric, Add	1,073.17	
For 1-3/4" Mesh Fabric, Add	666.90	
For 2-1/8" Mesh Fabric, Deduct	-333.45	
32 31 13 13-0344 EA 26' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire.....	4,677.57	175.09
For Gate With Single Barb Wire Arm, Add	456.68	
For Gate With Double Barb Wire Arm, Add	664.27	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-778.44	
For Aluminized Steel Gate And Post, Add	1,992.80	
For Powder Coated Gate And Post, Add	1,079.43	
For 1" Mesh Fabric, Add	1,805.98	
For 1-1/4" Mesh Fabric, Add	1,162.47	
For 1-3/4" Mesh Fabric, Add	722.39	
For 2-1/8" Mesh Fabric, Deduct	-361.20	
32 31 13 13-0345 EA 28' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire.....	5,084.15	204.31
For Gate With Single Barb Wire Arm, Add	491.77	
For Gate With Double Barb Wire Arm, Add	715.30	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-838.24	
For Aluminized Steel Gate And Post, Add	2,145.89	
For Powder Coated Gate And Post, Add	1,162.36	
For 1" Mesh Fabric, Add	1,944.71	
For 1-1/4" Mesh Fabric, Add	1,251.77	
For 1-3/4" Mesh Fabric, Add	777.88	
For 2-1/8" Mesh Fabric, Deduct	-388.94	
32 31 13 13-0346 EA 30' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire.....	5,525.79	245.15
For Gate With Single Barb Wire Arm, Add	526.85	
For Gate With Double Barb Wire Arm, Add	766.32	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-898.04	
For Aluminized Steel Gate And Post, Add	2,298.97	
For Powder Coated Gate And Post, Add	1,245.28	
For 1" Mesh Fabric, Add	2,083.45	
For 1-1/4" Mesh Fabric, Add	1,341.07	
For 1-3/4" Mesh Fabric, Add	833.38	
For 2-1/8" Mesh Fabric, Deduct	-416.69	
<b>32 31 13 13-0347 8' Fence Height (32 31 13 13-0266)</b>		
32 31 13 13-0348 EA 3' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire.....	568.79	31.78
For Gate With Single Barb Wire Arm, Add	52.07	
For Gate With Double Barb Wire Arm, Add	75.73	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-88.75	
For Aluminized Steel Gate And Post, Add	227.20	
For Powder Coated Gate And Post, Add	123.07	
For 1" Mesh Fabric, Add	205.90	
For 1-1/4" Mesh Fabric, Add	132.53	
For 1-3/4" Mesh Fabric, Add	82.36	
For 2-1/8" Mesh Fabric, Deduct	-41.18	
32 31 13 13-0349 EA 4' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire.....	726.58	31.78
For Gate With Single Barb Wire Arm, Add	69.42	
For Gate With Double Barb Wire Arm, Add	100.98	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-118.34	
For Aluminized Steel Gate And Post, Add	302.94	
For Powder Coated Gate And Post, Add	164.09	
For 1" Mesh Fabric, Add	274.54	
For 1-1/4" Mesh Fabric, Add	176.71	
For 1-3/4" Mesh Fabric, Add	109.81	
For 2-1/8" Mesh Fabric, Deduct	-54.91	

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences and Gates**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13	13-0350	EA 5' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire .....	848.69	35.41
		For Gate With Single Barb Wire Arm, Add	81.65	
		For Gate With Double Barb Wire Arm, Add	118.76	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-139.17	
		For Aluminized Steel Gate And Post, Add	356.28	
		For Powder Coated Gate And Post, Add	192.99	
		For 1" Mesh Fabric, Add	322.88	
		For 1-1/4" Mesh Fabric, Add	207.83	
		For 1-3/4" Mesh Fabric, Add	129.15	
		For 2-1/8" Mesh Fabric, Deduct	-64.58	
32 31 13	13-0351	EA 6' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire .....	973.67	40.09
		For Gate With Single Barb Wire Arm, Add	93.88	
		For Gate With Double Barb Wire Arm, Add	136.55	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-160.01	
		For Aluminized Steel Gate And Post, Add	409.64	
		For Powder Coated Gate And Post, Add	221.89	
		For 1" Mesh Fabric, Add	371.23	
		For 1-1/4" Mesh Fabric, Add	238.95	
		For 1-3/4" Mesh Fabric, Add	148.49	
		For 2-1/8" Mesh Fabric, Deduct	-74.25	
32 31 13	13-0352	EA 7' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire .....	1,109.66	48.29
		For Gate With Single Barb Wire Arm, Add	106.10	
		For Gate With Double Barb Wire Arm, Add	154.33	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-180.86	
		For Aluminized Steel Gate And Post, Add	462.99	
		For Powder Coated Gate And Post, Add	250.79	
		For 1" Mesh Fabric, Add	419.59	
		For 1-1/4" Mesh Fabric, Add	270.08	
		For 1-3/4" Mesh Fabric, Add	167.84	
		For 2-1/8" Mesh Fabric, Deduct	-83.92	
32 31 13	13-0353	EA 8' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire .....	1,244.68	56.22
		For Gate With Single Barb Wire Arm, Add	118.33	
		For Gate With Double Barb Wire Arm, Add	172.12	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-201.70	
		For Aluminized Steel Gate And Post, Add	516.35	
		For Powder Coated Gate And Post, Add	279.69	
		For 1" Mesh Fabric, Add	467.94	
		For 1-1/4" Mesh Fabric, Add	301.20	
		For 1-3/4" Mesh Fabric, Add	187.18	
		For 2-1/8" Mesh Fabric, Deduct	-93.59	
32 31 13	13-0354	EA 9' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire .....	1,380.67	64.53
		For Gate With Single Barb Wire Arm, Add	130.56	
		For Gate With Double Barb Wire Arm, Add	189.90	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-222.54	
		For Aluminized Steel Gate And Post, Add	569.71	
		For Powder Coated Gate And Post, Add	308.59	
		For 1" Mesh Fabric, Add	516.30	
		For 1-1/4" Mesh Fabric, Add	332.33	
		For 1-3/4" Mesh Fabric, Add	206.52	
		For 2-1/8" Mesh Fabric, Deduct	-103.26	
32 31 13	13-0355	EA 10' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire .....	1,516.63	72.83
		For Gate With Single Barb Wire Arm, Add	142.79	
		For Gate With Double Barb Wire Arm, Add	207.69	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-243.38	
		For Aluminized Steel Gate And Post, Add	623.06	
		For Powder Coated Gate And Post, Add	337.49	
		For 1" Mesh Fabric, Add	564.65	
		For 1-1/4" Mesh Fabric, Add	363.45	
		For 1-3/4" Mesh Fabric, Add	225.86	
		For 2-1/8" Mesh Fabric, Deduct	-112.93	
32 31 13	13-0356	EA 10' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire .....	2,210.05	87.55
		For Gate With Single Barb Wire Arm, Add	214.18	
		For Gate With Double Barb Wire Arm, Add	311.54	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-365.08	
		For Aluminized Steel Gate And Post, Add	934.61	
		For Powder Coated Gate And Post, Add	506.25	
		For 1" Mesh Fabric, Add	846.99	
		For 1-1/4" Mesh Fabric, Add	545.19	
		For 1-3/4" Mesh Fabric, Add	338.80	
		For 2-1/8" Mesh Fabric, Deduct	-169.40	
32 31 13	13-0357	EA 12' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire .....	2,605.20	94.34
		For Gate With Single Barb Wire Arm, Add	255.42	
		For Gate With Double Barb Wire Arm, Add	371.52	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-435.38	
		For Aluminized Steel Gate And Post, Add	1,114.57	
		For Powder Coated Gate And Post, Add	603.73	
		For 1" Mesh Fabric, Add	1,010.08	
		For 1-1/4" Mesh Fabric, Add	650.17	
		For 1-3/4" Mesh Fabric, Add	404.03	
		For 2-1/8" Mesh Fabric, Deduct	-202.02	



<b>Exterior Improvements</b>	<b>32</b>	<b>32</b>
Site Improvements	32 30	
Fences and Gates	32 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0358 EA 14' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire.....	3,009.27	102.16
For Gate With Single Barb Wire Arm, Add	297.28	
For Gate With Double Barb Wire Arm, Add	432.40	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-506.72	
For Aluminized Steel Gate And Post, Add	1,297.20	
For Powder Coated Gate And Post, Add	702.65	
For 1" Mesh Fabric, Add	1,175.59	
For 1-1/4" Mesh Fabric, Add	756.70	
For 1-3/4" Mesh Fabric, Add	470.24	
For 2-1/8" Mesh Fabric, Deduct	-235.12	
32 31 13 13-0359 EA 16' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire.....	3,428.84	111.48
For Gate With Single Barb Wire Arm, Add	340.36	
For Gate With Double Barb Wire Arm, Add	495.07	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-580.16	
For Aluminized Steel Gate And Post, Add	1,485.20	
For Powder Coated Gate And Post, Add	804.48	
For 1" Mesh Fabric, Add	1,345.96	
For 1-1/4" Mesh Fabric, Add	866.37	
For 1-3/4" Mesh Fabric, Add	538.39	
For 2-1/8" Mesh Fabric, Deduct	-269.19	
32 31 13 13-0360 EA 18 Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire.....	3,853.96	122.63
For Gate With Single Barb Wire Arm, Add	383.44	
For Gate With Double Barb Wire Arm, Add	557.73	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-653.59	
For Aluminized Steel Gate And Post, Add	1,673.20	
For Powder Coated Gate And Post, Add	906.32	
For 1" Mesh Fabric, Add	1,516.34	
For 1-1/4" Mesh Fabric, Add	976.03	
For 1-3/4" Mesh Fabric, Add	606.53	
For 2-1/8" Mesh Fabric, Deduct	-303.27	
32 31 13 13-0361 EA 20' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire.....	4,280.94	136.21
For Gate With Single Barb Wire Arm, Add	425.91	
For Gate With Double Barb Wire Arm, Add	619.51	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-725.98	
For Aluminized Steel Gate And Post, Add	1,858.52	
For Powder Coated Gate And Post, Add	1,006.70	
For 1" Mesh Fabric, Add	1,684.28	
For 1-1/4" Mesh Fabric, Add	1,084.13	
For 1-3/4" Mesh Fabric, Add	673.71	
For 2-1/8" Mesh Fabric, Deduct	-336.86	
32 31 13 13-0362 EA 22' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire.....	4,712.54	153.23
For Gate With Single Barb Wire Arm, Add	467.76	
For Gate With Double Barb Wire Arm, Add	680.38	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-797.32	
For Aluminized Steel Gate And Post, Add	2,041.14	
For Powder Coated Gate And Post, Add	1,105.62	
For 1" Mesh Fabric, Add	1,849.79	
For 1-1/4" Mesh Fabric, Add	1,190.67	
For 1-3/4" Mesh Fabric, Add	739.91	
For 2-1/8" Mesh Fabric, Deduct	-369.96	
32 31 13 13-0363 EA 24' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire.....	5,169.95	175.09
For Gate With Single Barb Wire Arm, Add	510.85	
For Gate With Double Barb Wire Arm, Add	743.05	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-870.76	
For Aluminized Steel Gate And Post, Add	2,229.14	
For Powder Coated Gate And Post, Add	1,207.45	
For 1" Mesh Fabric, Add	2,020.16	
For 1-1/4" Mesh Fabric, Add	1,300.33	
For 1-3/4" Mesh Fabric, Add	808.06	
For 2-1/8" Mesh Fabric, Deduct	-404.03	
32 31 13 13-0364 EA 26' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire.....	5,649.27	204.31
For Gate With Single Barb Wire Arm, Add	553.93	
For Gate With Double Barb Wire Arm, Add	805.72	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-944.20	
For Aluminized Steel Gate And Post, Add	2,417.15	
For Powder Coated Gate And Post, Add	1,309.29	
For 1" Mesh Fabric, Add	2,190.54	
For 1-1/4" Mesh Fabric, Add	1,410.00	
For 1-3/4" Mesh Fabric, Add	876.22	
For 2-1/8" Mesh Fabric, Deduct	-438.11	
32 31 13 13-0365 EA 28' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire.....	6,158.05	245.15
For Gate With Single Barb Wire Arm, Add	596.40	
For Gate With Double Barb Wire Arm, Add	867.49	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-1,016.59	
For Aluminized Steel Gate And Post, Add	2,602.46	
For Powder Coated Gate And Post, Add	1,409.67	
For 1" Mesh Fabric, Add	2,358.48	
For 1-1/4" Mesh Fabric, Add	1,518.10	
For 1-3/4" Mesh Fabric, Add	943.39	
For 2-1/8" Mesh Fabric, Deduct	-471.70	

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences and Gates**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0366	EA	30' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire .....	6,728.18	306.47
		<i>For Gate With Single Barb Wire Arm, Add</i>	638.86	
		<i>For Gate With Double Barb Wire Arm, Add</i>	929.26	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-1,088.97	
		<i>For Aluminized Steel Gate And Post, Add</i>	2,787.77	
		<i>For Powder Coated Gate And Post, Add</i>	1,510.04	
		<i>For 1" Mesh Fabric, Add</i>	2,526.42	
		<i>For 1-1/4" Mesh Fabric, Add</i>	1,626.20	
		<i>For 1-3/4" Mesh Fabric, Add</i>	1,010.57	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-505.28	
<b>32 31 13 13-0367</b>		<b>10' Fence Height (32 31 13 13-0266)</b>		
32 31 13 13-0368	EA	3' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire .....	718.14	35.32
		<i>For Gate With Single Barb Wire Arm, Add</i>	67.33	
		<i>For Gate With Double Barb Wire Arm, Add</i>	97.93	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-114.77	
		<i>For Aluminized Steel Gate And Post, Add</i>	293.80	
		<i>For Powder Coated Gate And Post, Add</i>	159.14	
		<i>For 1" Mesh Fabric, Add</i>	266.25	
		<i>For 1-1/4" Mesh Fabric, Add</i>	171.38	
		<i>For 1-3/4" Mesh Fabric, Add</i>	106.50	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-53.25	
32 31 13 13-0369	EA	4' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire .....	922.17	35.32
		<i>For Gate With Single Barb Wire Arm, Add</i>	89.77	
		<i>For Gate With Double Barb Wire Arm, Add</i>	130.58	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-153.02	
		<i>For Aluminized Steel Gate And Post, Add</i>	391.73	
		<i>For Powder Coated Gate And Post, Add</i>	212.19	
		<i>For 1" Mesh Fabric, Add</i>	355.01	
		<i>For 1-1/4" Mesh Fabric, Add</i>	228.51	
		<i>For 1-3/4" Mesh Fabric, Add</i>	142.00	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-71.00	
32 31 13 13-0370	EA	5' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire .....	1,070.58	36.85
		<i>For Gate With Single Barb Wire Arm, Add</i>	105.58	
		<i>For Gate With Double Barb Wire Arm, Add</i>	153.58	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-179.97	
		<i>For Aluminized Steel Gate And Post, Add</i>	460.73	
		<i>For Powder Coated Gate And Post, Add</i>	249.56	
		<i>For 1" Mesh Fabric, Add</i>	417.54	
		<i>For 1-1/4" Mesh Fabric, Add</i>	268.76	
		<i>For 1-3/4" Mesh Fabric, Add</i>	167.02	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-83.51	
32 31 13 13-0371	EA	6' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire .....	1,241.05	45.81
		<i>For Gate With Single Barb Wire Arm, Add</i>	121.40	
		<i>For Gate With Double Barb Wire Arm, Add</i>	176.58	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-206.93	
		<i>For Aluminized Steel Gate And Post, Add</i>	529.73	
		<i>For Powder Coated Gate And Post, Add</i>	286.94	
		<i>For 1" Mesh Fabric, Add</i>	480.07	
		<i>For 1-1/4" Mesh Fabric, Add</i>	309.01	
		<i>For 1-3/4" Mesh Fabric, Add</i>	192.03	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-96.01	
32 31 13 13-0372	EA	7' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire .....	1,410.95	54.32
		<i>For Gate With Single Barb Wire Arm, Add</i>	137.21	
		<i>For Gate With Double Barb Wire Arm, Add</i>	199.57	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-233.87	
		<i>For Aluminized Steel Gate And Post, Add</i>	598.71	
		<i>For Powder Coated Gate And Post, Add</i>	324.30	
		<i>For 1" Mesh Fabric, Add</i>	542.58	
		<i>For 1-1/4" Mesh Fabric, Add</i>	349.25	
		<i>For 1-3/4" Mesh Fabric, Add</i>	217.03	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-108.52	
32 31 13 13-0373	EA	8' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire .....	1,581.02	63.28
		<i>For Gate With Single Barb Wire Arm, Add</i>	153.02	
		<i>For Gate With Double Barb Wire Arm, Add</i>	222.57	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-260.83	
		<i>For Aluminized Steel Gate And Post, Add</i>	667.71	
		<i>For Powder Coated Gate And Post, Add</i>	361.68	
		<i>For 1" Mesh Fabric, Add</i>	605.12	
		<i>For 1-1/4" Mesh Fabric, Add</i>	389.50	
		<i>For 1-3/4" Mesh Fabric, Add</i>	242.05	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-121.02	
32 31 13 13-0374	EA	9' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire .....	1,750.53	71.88
		<i>For Gate With Single Barb Wire Arm, Add</i>	168.83	
		<i>For Gate With Double Barb Wire Arm, Add</i>	245.57	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-287.78	
		<i>For Aluminized Steel Gate And Post, Add</i>	736.71	
		<i>For Powder Coated Gate And Post, Add</i>	399.05	
		<i>For 1" Mesh Fabric, Add</i>	667.65	
		<i>For 1-1/4" Mesh Fabric, Add</i>	429.75	
		<i>For 1-3/4" Mesh Fabric, Add</i>	267.06	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-133.53	



<b>Exterior Improvements</b>	<b>32</b>	<b>32</b>
Site Improvements	32 30	
Fences and Gates	32 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0375 EA 10' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire .....	1,921.02	80.75
For Gate With Single Barb Wire Arm, Add	184.64	
For Gate With Double Barb Wire Arm, Add	268.57	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-314.73	
For Aluminized Steel Gate And Post, Add	805.71	
For Powder Coated Gate And Post, Add	436.43	
For 1" Mesh Fabric, Add	730.18	
For 1-1/4" Mesh Fabric, Add	470.00	
For 1-3/4" Mesh Fabric, Add	292.07	
For 2-1/8" Mesh Fabric, Deduct	-146.04	
32 31 13 13-0376 EA 10' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire .....	2,810.01	97.32
For Gate With Single Barb Wire Arm, Add	276.96	
For Gate With Double Barb Wire Arm, Add	402.85	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-472.10	
For Aluminized Steel Gate And Post, Add	1,208.56	
For Powder Coated Gate And Post, Add	654.64	
For 1" Mesh Fabric, Add	1,095.26	
For 1-1/4" Mesh Fabric, Add	705.00	
For 1-3/4" Mesh Fabric, Add	438.10	
For 2-1/8" Mesh Fabric, Deduct	-219.05	
32 31 13 13-0377 EA 12' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire .....	3,056.24	104.69
For Gate With Single Barb Wire Arm, Add	301.59	
For Gate With Double Barb Wire Arm, Add	438.67	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-514.07	
For Aluminized Steel Gate And Post, Add	1,316.02	
For Powder Coated Gate And Post, Add	712.84	
For 1" Mesh Fabric, Add	1,192.64	
For 1-1/4" Mesh Fabric, Add	767.68	
For 1-3/4" Mesh Fabric, Add	477.06	
For 2-1/8" Mesh Fabric, Deduct	-238.53	
32 31 13 13-0378 EA 14' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire .....	3,485.38	113.55
For Gate With Single Barb Wire Arm, Add	345.90	
For Gate With Double Barb Wire Arm, Add	503.12	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-589.60	
For Aluminized Steel Gate And Post, Add	1,509.37	
For Powder Coated Gate And Post, Add	817.58	
For 1" Mesh Fabric, Add	1,367.87	
For 1-1/4" Mesh Fabric, Add	880.47	
For 1-3/4" Mesh Fabric, Add	547.15	
For 2-1/8" Mesh Fabric, Deduct	-273.57	
32 31 13 13-0379 EA 16' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire .....	3,963.84	123.78
For Gate With Single Barb Wire Arm, Add	395.14	
For Gate With Double Barb Wire Arm, Add	574.74	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-673.53	
For Aluminized Steel Gate And Post, Add	1,724.23	
For Powder Coated Gate And Post, Add	933.96	
For 1" Mesh Fabric, Add	1,562.58	
For 1-1/4" Mesh Fabric, Add	1,005.80	
For 1-3/4" Mesh Fabric, Add	625.03	
For 2-1/8" Mesh Fabric, Deduct	-312.52	
32 31 13 13-0380 EA 18' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire .....	4,448.79	136.21
For Gate With Single Barb Wire Arm, Add	444.37	
For Gate With Double Barb Wire Arm, Add	646.36	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-757.46	
For Aluminized Steel Gate And Post, Add	1,939.08	
For Powder Coated Gate And Post, Add	1,050.34	
For 1" Mesh Fabric, Add	1,757.30	
For 1-1/4" Mesh Fabric, Add	1,131.13	
For 1-3/4" Mesh Fabric, Add	702.92	
For 2-1/8" Mesh Fabric, Deduct	-351.46	
32 31 13 13-0381 EA 20' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire .....	4,944.44	151.28
For Gate With Single Barb Wire Arm, Add	493.92	
For Gate With Double Barb Wire Arm, Add	718.43	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-841.91	
For Aluminized Steel Gate And Post, Add	2,155.29	
For Powder Coated Gate And Post, Add	1,167.45	
For 1" Mesh Fabric, Add	1,953.23	
For 1-1/4" Mesh Fabric, Add	1,257.25	
For 1-3/4" Mesh Fabric, Add	781.29	
For 2-1/8" Mesh Fabric, Deduct	-390.65	
32 31 13 13-0382 EA 22' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire .....	5,451.89	170.26
For Gate With Single Barb Wire Arm, Add	543.47	
For Gate With Double Barb Wire Arm, Add	790.50	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-926.36	
For Aluminized Steel Gate And Post, Add	2,371.49	
For Powder Coated Gate And Post, Add	1,284.56	
For 1" Mesh Fabric, Add	2,149.16	
For 1-1/4" Mesh Fabric, Add	1,383.37	
For 1-3/4" Mesh Fabric, Add	859.66	
For 2-1/8" Mesh Fabric, Deduct	-429.83	

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences and Gates**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0383 EA 24' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire .....	5,972.18	194.42
For Gate With Single Barb Wire Arm, Add	592.70	
For Gate With Double Barb Wire Arm, Add	862.12	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-1,010.29	
For Aluminized Steel Gate And Post, Add	2,586.35	
For Powder Coated Gate And Post, Add	1,400.94	
For 1" Mesh Fabric, Add	2,343.88	
For 1-1/4" Mesh Fabric, Add	1,508.70	
For 1-3/4" Mesh Fabric, Add	937.55	
For 2-1/8" Mesh Fabric, Deduct	-468.78	
32 31 13 13-0384 EA 26' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire .....	6,517.56	226.97
For Gate With Single Barb Wire Arm, Add	641.94	
For Gate With Double Barb Wire Arm, Add	933.73	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-1,094.22	
For Aluminized Steel Gate And Post, Add	2,801.20	
For Powder Coated Gate And Post, Add	1,517.32	
For 1" Mesh Fabric, Add	2,538.59	
For 1-1/4" Mesh Fabric, Add	1,634.04	
For 1-3/4" Mesh Fabric, Add	1,015.44	
For 2-1/8" Mesh Fabric, Deduct	-507.72	
32 31 13 13-0385 EA 28' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire .....	7,100.78	272.18
For Gate With Single Barb Wire Arm, Add	691.18	
For Gate With Double Barb Wire Arm, Add	1,005.35	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-1,178.15	
For Aluminized Steel Gate And Post, Add	3,016.06	
For Powder Coated Gate And Post, Add	1,633.70	
For 1" Mesh Fabric, Add	2,733.30	
For 1-1/4" Mesh Fabric, Add	1,759.37	
For 1-3/4" Mesh Fabric, Add	1,093.32	
For 2-1/8" Mesh Fabric, Deduct	-546.66	
32 31 13 13-0386 EA 30' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire .....	7,759.25	340.52
For Gate With Single Barb Wire Arm, Add	741.03	
For Gate With Double Barb Wire Arm, Add	1,077.87	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-1,263.13	
For Aluminized Steel Gate And Post, Add	3,233.60	
For Powder Coated Gate And Post, Add	1,751.53	
For 1" Mesh Fabric, Add	2,930.45	
For 1-1/4" Mesh Fabric, Add	1,886.27	
For 1-3/4" Mesh Fabric, Add	1,172.18	
For 2-1/8" Mesh Fabric, Deduct	-586.09	
<b>32 31 13 13-0387 12' Fence Height <small>(32 31 13 13-0266)</small></b>		
32 31 13 13-0388 EA 3' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire .....	901.31	39.23
For Gate With Single Barb Wire Arm, Add	86.18	
For Gate With Double Barb Wire Arm, Add	125.36	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-146.90	
For Aluminized Steel Gate And Post, Add	376.07	
For Powder Coated Gate And Post, Add	203.70	
For 1" Mesh Fabric, Add	340.81	
For 1-1/4" Mesh Fabric, Add	219.37	
For 1-3/4" Mesh Fabric, Add	136.32	
For 2-1/8" Mesh Fabric, Deduct	-68.16	
32 31 13 13-0389 EA 4' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire .....	1,162.45	39.23
For Gate With Single Barb Wire Arm, Add	114.91	
For Gate With Double Barb Wire Arm, Add	167.14	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-195.86	
For Aluminized Steel Gate And Post, Add	501.41	
For Powder Coated Gate And Post, Add	271.60	
For 1" Mesh Fabric, Add	454.41	
For 1-1/4" Mesh Fabric, Add	292.49	
For 1-3/4" Mesh Fabric, Add	181.76	
For 2-1/8" Mesh Fabric, Deduct	-90.88	
32 31 13 13-0390 EA 5' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire .....	1,350.80	40.67
For Gate With Single Barb Wire Arm, Add	135.15	
For Gate With Double Barb Wire Arm, Add	196.58	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-230.37	
For Aluminized Steel Gate And Post, Add	589.74	
For Powder Coated Gate And Post, Add	319.44	
For 1" Mesh Fabric, Add	534.45	
For 1-1/4" Mesh Fabric, Add	344.01	
For 1-3/4" Mesh Fabric, Add	213.78	
For 2-1/8" Mesh Fabric, Deduct	-106.89	
32 31 13 13-0391 EA 6' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire .....	1,564.38	50.50
For Gate With Single Barb Wire Arm, Add	155.39	
For Gate With Double Barb Wire Arm, Add	226.02	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-264.86	
For Aluminized Steel Gate And Post, Add	678.05	
For Powder Coated Gate And Post, Add	367.28	
For 1" Mesh Fabric, Add	614.49	
For 1-1/4" Mesh Fabric, Add	395.53	
For 1-3/4" Mesh Fabric, Add	245.79	
For 2-1/8" Mesh Fabric, Deduct	-122.90	





<b>Exterior Improvements</b>	<b>32</b>	<b>32</b>
Site Improvements	32 30	
Fences and Gates	32 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0392 EA 7' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire .....	652.62	60.42
For Gate With Single Barb Wire Arm, Add	51.84	
For Gate With Double Barb Wire Arm, Add	75.40	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-88.36	
For Aluminized Steel Gate And Post, Add	226.20	
For Powder Coated Gate And Post, Add	122.53	
For 1" Mesh Fabric, Add	205.00	
For 1-1/4" Mesh Fabric, Add	131.95	
For 1-3/4" Mesh Fabric, Add	82.00	
For 2-1/8" Mesh Fabric, Deduct	-41.00	
32 31 13 13-0393 EA 8' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire .....	735.57	69.96
For Gate With Single Barb Wire Arm, Add	57.81	
For Gate With Double Barb Wire Arm, Add	84.09	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-98.54	
For Aluminized Steel Gate And Post, Add	252.27	
For Powder Coated Gate And Post, Add	136.65	
For 1" Mesh Fabric, Add	228.62	
For 1-1/4" Mesh Fabric, Add	147.16	
For 1-3/4" Mesh Fabric, Add	91.45	
For 2-1/8" Mesh Fabric, Deduct	-45.72	
32 31 13 13-0394 EA 9' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire .....	819.47	79.80
For Gate With Single Barb Wire Arm, Add	63.79	
For Gate With Double Barb Wire Arm, Add	92.78	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-108.73	
For Aluminized Steel Gate And Post, Add	278.34	
For Powder Coated Gate And Post, Add	150.77	
For 1" Mesh Fabric, Add	252.25	
For 1-1/4" Mesh Fabric, Add	162.37	
For 1-3/4" Mesh Fabric, Add	100.90	
For 2-1/8" Mesh Fabric, Deduct	-50.45	
32 31 13 13-0395 EA 10' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire .....	903.37	89.63
For Gate With Single Barb Wire Arm, Add	69.76	
For Gate With Double Barb Wire Arm, Add	101.47	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-118.91	
For Aluminized Steel Gate And Post, Add	304.41	
For Powder Coated Gate And Post, Add	164.89	
For 1" Mesh Fabric, Add	275.87	
For 1-1/4" Mesh Fabric, Add	177.57	
For 1-3/4" Mesh Fabric, Add	110.35	
For 2-1/8" Mesh Fabric, Deduct	-55.17	
32 31 13 13-0396 EA 10' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire .....	1,208.20	108.14
For Gate With Single Barb Wire Arm, Add	97.19	
For Gate With Double Barb Wire Arm, Add	141.37	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-165.67	
For Aluminized Steel Gate And Post, Add	424.12	
For Powder Coated Gate And Post, Add	229.73	
For 1" Mesh Fabric, Add	384.36	
For 1-1/4" Mesh Fabric, Add	247.40	
For 1-3/4" Mesh Fabric, Add	153.74	
For 2-1/8" Mesh Fabric, Deduct	-76.87	
32 31 13 13-0397 EA 12' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire .....	1,320.52	116.42
For Gate With Single Barb Wire Arm, Add	106.82	
For Gate With Double Barb Wire Arm, Add	155.38	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-182.09	
For Aluminized Steel Gate And Post, Add	466.14	
For Powder Coated Gate And Post, Add	252.49	
For 1" Mesh Fabric, Add	422.44	
For 1-1/4" Mesh Fabric, Add	271.91	
For 1-3/4" Mesh Fabric, Add	168.97	
For 2-1/8" Mesh Fabric, Deduct	-84.49	
32 31 13 13-0398 EA 14' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire .....	1,491.89	126.09
For Gate With Single Barb Wire Arm, Add	122.45	
For Gate With Double Barb Wire Arm, Add	178.10	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-208.72	
For Aluminized Steel Gate And Post, Add	534.31	
For Powder Coated Gate And Post, Add	289.42	
For 1" Mesh Fabric, Add	484.22	
For 1-1/4" Mesh Fabric, Add	311.68	
For 1-3/4" Mesh Fabric, Add	193.69	
For 2-1/8" Mesh Fabric, Deduct	-96.84	
32 31 13 13-0399 EA 16' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire .....	1,684.77	137.47
For Gate With Single Barb Wire Arm, Add	139.89	
For Gate With Double Barb Wire Arm, Add	203.47	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-238.44	
For Aluminized Steel Gate And Post, Add	610.42	
For Powder Coated Gate And Post, Add	330.64	
For 1" Mesh Fabric, Add	553.19	
For 1-1/4" Mesh Fabric, Add	356.08	
For 1-3/4" Mesh Fabric, Add	221.28	
For 2-1/8" Mesh Fabric, Deduct	-110.64	

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences and Gates**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0400 EA 18' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire .....	5,299.74	151.39
For Gate With Single Barb Wire Arm, Add	533.00	
For Gate With Double Barb Wire Arm, Add	775.28	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-908.53	
For Aluminized Steel Gate And Post, Add	2,325.83	
For Powder Coated Gate And Post, Add	1,259.82	
For 1" Mesh Fabric, Add	2,107.78	
For 1-1/4" Mesh Fabric, Add	1,356.73	
For 1-3/4" Mesh Fabric, Add	843.11	
For 2-1/8" Mesh Fabric, Deduct	-421.56	
32 31 13 13-0401 EA 20' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire .....	5,892.79	168.07
For Gate With Single Barb Wire Arm, Add	592.70	
For Gate With Double Barb Wire Arm, Add	862.12	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-1,010.29	
For Aluminized Steel Gate And Post, Add	2,586.35	
For Powder Coated Gate And Post, Add	1,400.94	
For 1" Mesh Fabric, Add	2,343.88	
For 1-1/4" Mesh Fabric, Add	1,508.70	
For 1-3/4" Mesh Fabric, Add	937.55	
For 2-1/8" Mesh Fabric, Deduct	-468.78	
32 31 13 13-0402 EA 22' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire .....	6,493.46	189.12
For Gate With Single Barb Wire Arm, Add	651.79	
For Gate With Double Barb Wire Arm, Add	948.06	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-1,111.01	
For Aluminized Steel Gate And Post, Add	2,844.17	
For Powder Coated Gate And Post, Add	1,540.59	
For 1" Mesh Fabric, Add	2,577.53	
For 1-1/4" Mesh Fabric, Add	1,659.10	
For 1-3/4" Mesh Fabric, Add	1,031.01	
For 2-1/8" Mesh Fabric, Deduct	-515.51	
32 31 13 13-0403 EA 24' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire .....	7,116.95	216.05
For Gate With Single Barb Wire Arm, Add	711.49	
For Gate With Double Barb Wire Arm, Add	1,034.90	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-1,212.77	
For Aluminized Steel Gate And Post, Add	3,104.69	
For Powder Coated Gate And Post, Add	1,681.71	
For 1" Mesh Fabric, Add	2,813.62	
For 1-1/4" Mesh Fabric, Add	1,811.07	
For 1-3/4" Mesh Fabric, Add	1,125.45	
For 2-1/8" Mesh Fabric, Deduct	-562.72	
32 31 13 13-0404 EA 26' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire .....	7,757.12	252.29
For Gate With Single Barb Wire Arm, Add	769.96	
For Gate With Double Barb Wire Arm, Add	1,119.94	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-1,312.43	
For Aluminized Steel Gate And Post, Add	3,359.83	
For Powder Coated Gate And Post, Add	1,819.91	
For 1" Mesh Fabric, Add	3,044.85	
For 1-1/4" Mesh Fabric, Add	1,959.90	
For 1-3/4" Mesh Fabric, Add	1,217.94	
For 2-1/8" Mesh Fabric, Deduct	-608.97	
32 31 13 13-0405 EA 28' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire .....	8,444.95	302.44
For Gate With Single Barb Wire Arm, Add	829.05	
For Gate With Double Barb Wire Arm, Add	1,205.89	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-1,413.15	
For Aluminized Steel Gate And Post, Add	3,617.66	
For Powder Coated Gate And Post, Add	1,959.57	
For 1" Mesh Fabric, Add	3,278.50	
For 1-1/4" Mesh Fabric, Add	2,110.30	
For 1-3/4" Mesh Fabric, Add	1,311.40	
For 2-1/8" Mesh Fabric, Deduct	-655.70	
32 31 13 13-0406 EA 30' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire .....	9,215.73	378.36
For Gate With Single Barb Wire Arm, Add	888.75	
For Gate With Double Barb Wire Arm, Add	1,292.72	
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-1,514.91	
For Aluminized Steel Gate And Post, Add	3,878.17	
For Powder Coated Gate And Post, Add	2,100.68	
For 1" Mesh Fabric, Add	3,514.60	
For 1-1/4" Mesh Fabric, Add	2,262.27	
For 1-3/4" Mesh Fabric, Add	1,405.84	
For 2-1/8" Mesh Fabric, Deduct	-702.92	
<b>32 31 13 13-0407 Vinyl Coated Without Barb Wire Arm</b> <small>(32 31 13 13-0265)</small>		
Note: Industrial swing gate. Includes posts (3" diameter posts for up to 6' wide gate, 4" diameter to 13' wide, 6-5/8" diameter for 18' wide, 8-5/8" diameter for over 18' wide), 2" diameter schedule pipe frame, offset hinges, cap and hardware (drop rod, center locking device, gate keeper, catch bolt and tension bands). Fabric: galvanized chain link 2" mesh # 9 gauge, galvanized 1.2 ounce coating.		
<b>32 31 13 13-0408 4' Fence Height</b> <small>(32 31 13 13-0407)</small>		
32 31 13 13-0409 EA 3' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm .....	181.80	23.86
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-20.66	
For 1" Mesh Fabric, Add	47.94	
For 1-1/4" Mesh Fabric, Add	30.86	
For 1-3/4" Mesh Fabric, Add	19.18	
For 2-1/8" Mesh Fabric, Deduct	-9.59	
For Gate With Single Barb Wire Arm, Add	12.12	
For Gate With Double Barb Wire Arm, Add	17.63	



	<b>Exterior Improvements</b>	<b>32</b>
	Site Improvements	32 30
	Fences and Gates	32 31

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0410 EA 4' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	218.53	23.86
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-27.55	
For 1" Mesh Fabric, Add	63.92	
For 1-1/4" Mesh Fabric, Add	41.14	
For 1-3/4" Mesh Fabric, Add	25.57	
For 2-1/8" Mesh Fabric, Deduct	-12.78	
For Gate With Single Barb Wire Arm, Add	16.16	
For Gate With Double Barb Wire Arm, Add	23.51	
32 31 13 13-0411 EA 5' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	253.92	25.39
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-33.29	
For 1" Mesh Fabric, Add	77.24	
For 1-1/4" Mesh Fabric, Add	49.72	
For 1-3/4" Mesh Fabric, Add	30.90	
For 2-1/8" Mesh Fabric, Deduct	-15.45	
For Gate With Single Barb Wire Arm, Add	19.53	
For Gate With Double Barb Wire Arm, Add	28.41	
32 31 13 13-0412 EA 6' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	299.81	30.55
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-39.03	
For 1" Mesh Fabric, Add	90.55	
For 1-1/4" Mesh Fabric, Add	58.29	
For 1-3/4" Mesh Fabric, Add	36.22	
For 2-1/8" Mesh Fabric, Deduct	-18.11	
For Gate With Single Barb Wire Arm, Add	22.90	
For Gate With Double Barb Wire Arm, Add	33.31	
32 31 13 13-0413 EA 7' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	345.67	35.60
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-44.77	
For 1" Mesh Fabric, Add	103.86	
For 1-1/4" Mesh Fabric, Add	66.86	
For 1-3/4" Mesh Fabric, Add	41.55	
For 2-1/8" Mesh Fabric, Deduct	-20.77	
For Gate With Single Barb Wire Arm, Add	26.26	
For Gate With Double Barb Wire Arm, Add	38.20	
32 31 13 13-0414 EA 8' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	391.58	40.67
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-50.51	
For 1" Mesh Fabric, Add	117.19	
For 1-1/4" Mesh Fabric, Add	75.43	
For 1-3/4" Mesh Fabric, Add	46.88	
For 2-1/8" Mesh Fabric, Deduct	-23.44	
For Gate With Single Barb Wire Arm, Add	29.63	
For Gate With Double Barb Wire Arm, Add	43.10	
32 31 13 13-0415 EA 9' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	437.46	45.81
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-56.25	
For 1" Mesh Fabric, Add	130.50	
For 1-1/4" Mesh Fabric, Add	84.00	
For 1-3/4" Mesh Fabric, Add	52.20	
For 2-1/8" Mesh Fabric, Deduct	-26.10	
For Gate With Single Barb Wire Arm, Add	33.00	
For Gate With Double Barb Wire Arm, Add	48.00	
32 31 13 13-0416 EA 10' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	483.34	50.88
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-61.99	
For 1" Mesh Fabric, Add	143.82	
For 1-1/4" Mesh Fabric, Add	92.57	
For 1-3/4" Mesh Fabric, Add	57.53	
For 2-1/8" Mesh Fabric, Deduct	-28.76	
For Gate With Single Barb Wire Arm, Add	36.37	
For Gate With Double Barb Wire Arm, Add	52.90	
32 31 13 13-0417 EA 10' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	593.55	50.88
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-82.65	
For 1" Mesh Fabric, Add	191.76	
For 1-1/4" Mesh Fabric, Add	123.43	
For 1-3/4" Mesh Fabric, Add	76.70	
For 2-1/8" Mesh Fabric, Deduct	-38.35	
For Gate With Single Barb Wire Arm, Add	48.49	
For Gate With Double Barb Wire Arm, Add	70.53	
32 31 13 13-0418 EA 12' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	692.62	54.50
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-99.19	
For 1" Mesh Fabric, Add	230.11	
For 1-1/4" Mesh Fabric, Add	148.12	
For 1-3/4" Mesh Fabric, Add	92.04	
For 2-1/8" Mesh Fabric, Deduct	-46.02	
For Gate With Single Barb Wire Arm, Add	58.19	
For Gate With Double Barb Wire Arm, Add	84.64	
32 31 13 13-0419 EA 14' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	793.37	58.70
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-115.72	
For 1" Mesh Fabric, Add	268.46	
For 1-1/4" Mesh Fabric, Add	172.80	
For 1-3/4" Mesh Fabric, Add	107.38	
For 2-1/8" Mesh Fabric, Deduct	-53.69	
For Gate With Single Barb Wire Arm, Add	67.89	
For Gate With Double Barb Wire Arm, Add	98.74	

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences and Gates**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0420 EA 16' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	896.22	63.57
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-132.25	
For 1" Mesh Fabric, Add	306.81	
For 1-1/4" Mesh Fabric, Add	197.49	
For 1-3/4" Mesh Fabric, Add	122.73	
For 2-1/8" Mesh Fabric, Deduct	-61.36	
For Gate With Single Barb Wire Arm, Add	77.59	
For Gate With Double Barb Wire Arm, Add	112.85	
32 31 13 13-0421 EA 18' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	1,038.90	81.68
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-148.78	
For 1" Mesh Fabric, Add	345.16	
For 1-1/4" Mesh Fabric, Add	222.17	
For 1-3/4" Mesh Fabric, Add	138.07	
For 2-1/8" Mesh Fabric, Deduct	-69.03	
For Gate With Single Barb Wire Arm, Add	87.28	
For Gate With Double Barb Wire Arm, Add	126.96	
32 31 13 13-0422 EA 20' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	1,144.59	87.55
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-165.31	
For 1" Mesh Fabric, Add	383.51	
For 1-1/4" Mesh Fabric, Add	246.86	
For 1-3/4" Mesh Fabric, Add	153.41	
For 2-1/8" Mesh Fabric, Deduct	-76.70	
For Gate With Single Barb Wire Arm, Add	96.98	
For Gate With Double Barb Wire Arm, Add	141.06	
32 31 13 13-0423 EA 22' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	1,252.99	94.34
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-181.84	
For 1" Mesh Fabric, Add	421.87	
For 1-1/4" Mesh Fabric, Add	271.55	
For 1-3/4" Mesh Fabric, Add	168.75	
For 2-1/8" Mesh Fabric, Deduct	-84.37	
For Gate With Single Barb Wire Arm, Add	106.68	
For Gate With Double Barb Wire Arm, Add	155.17	
32 31 13 13-0424 EA 24' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	1,364.74	102.16
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-198.37	
For 1" Mesh Fabric, Add	460.22	
For 1-1/4" Mesh Fabric, Add	296.23	
For 1-3/4" Mesh Fabric, Add	184.09	
For 2-1/8" Mesh Fabric, Deduct	-92.04	
For Gate With Single Barb Wire Arm, Add	116.38	
For Gate With Double Barb Wire Arm, Add	169.28	
32 31 13 13-0425 EA 26' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	1,480.81	111.48
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-214.90	
For 1" Mesh Fabric, Add	498.57	
For 1-1/4" Mesh Fabric, Add	320.92	
For 1-3/4" Mesh Fabric, Add	199.43	
For 2-1/8" Mesh Fabric, Deduct	-99.71	
For Gate With Single Barb Wire Arm, Add	126.08	
For Gate With Double Barb Wire Arm, Add	183.38	
32 31 13 13-0426 EA 28' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	1,602.43	122.63
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-231.43	
For 1" Mesh Fabric, Add	536.92	
For 1-1/4" Mesh Fabric, Add	345.60	
For 1-3/4" Mesh Fabric, Add	214.77	
For 2-1/8" Mesh Fabric, Deduct	-107.38	
For Gate With Single Barb Wire Arm, Add	135.77	
For Gate With Double Barb Wire Arm, Add	197.49	
32 31 13 13-0427 EA 30' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	1,731.50	136.21
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-247.96	
For 1" Mesh Fabric, Add	575.27	
For 1-1/4" Mesh Fabric, Add	370.29	
For 1-3/4" Mesh Fabric, Add	230.11	
For 2-1/8" Mesh Fabric, Deduct	-115.05	
For Gate With Single Barb Wire Arm, Add	145.47	
For Gate With Double Barb Wire Arm, Add	211.60	
<b>32 31 13 13-0428 5' Fence Height (32 31 13 13-0407)</b>		
32 31 13 13-0429 EA 3' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm .....	212.92	25.39
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-25.61	
For 1" Mesh Fabric, Add	59.40	
For 1-1/4" Mesh Fabric, Add	38.24	
For 1-3/4" Mesh Fabric, Add	23.76	
For 2-1/8" Mesh Fabric, Deduct	-11.88	
For Gate With Single Barb Wire Arm, Add	15.02	
For Gate With Double Barb Wire Arm, Add	21.85	
32 31 13 13-0430 EA 4' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm .....	258.44	25.39
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-34.14	
For 1" Mesh Fabric, Add	79.20	
For 1-1/4" Mesh Fabric, Add	50.98	
For 1-3/4" Mesh Fabric, Add	31.68	
For 2-1/8" Mesh Fabric, Deduct	-15.84	
For Gate With Single Barb Wire Arm, Add	20.03	
For Gate With Double Barb Wire Arm, Add	29.13	



	<b>Exterior Improvements</b>	<b>32</b>
	Site Improvements	32 30
	Fences and Gates	32 31

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0431 EA 5' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	297.37	27.01
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-40.54	
For 1" Mesh Fabric, Add	94.06	
For 1-1/4" Mesh Fabric, Add	60.54	
For 1-3/4" Mesh Fabric, Add	37.62	
For 2-1/8" Mesh Fabric, Deduct	-18.81	
For Gate With Single Barb Wire Arm, Add	23.79	
For Gate With Double Barb Wire Arm, Add	34.60	
32 31 13 13-0432 EA 6' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	347.72	32.45
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-46.94	
For 1" Mesh Fabric, Add	108.91	
For 1-1/4" Mesh Fabric, Add	70.10	
For 1-3/4" Mesh Fabric, Add	43.56	
For 2-1/8" Mesh Fabric, Deduct	-21.78	
For Gate With Single Barb Wire Arm, Add	27.54	
For Gate With Double Barb Wire Arm, Add	40.06	
32 31 13 13-0433 EA 7' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	398.10	37.80
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-53.35	
For 1" Mesh Fabric, Add	123.76	
For 1-1/4" Mesh Fabric, Add	79.66	
For 1-3/4" Mesh Fabric, Add	49.50	
For 2-1/8" Mesh Fabric, Deduct	-24.75	
For Gate With Single Barb Wire Arm, Add	31.30	
For Gate With Double Barb Wire Arm, Add	45.52	
32 31 13 13-0434 EA 8' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	449.41	43.53
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-59.75	
For 1" Mesh Fabric, Add	138.61	
For 1-1/4" Mesh Fabric, Add	89.22	
For 1-3/4" Mesh Fabric, Add	55.44	
For 2-1/8" Mesh Fabric, Deduct	-27.72	
For Gate With Single Barb Wire Arm, Add	35.05	
For Gate With Double Barb Wire Arm, Add	50.98	
32 31 13 13-0435 EA 9' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	499.78	48.96
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-66.15	
For 1" Mesh Fabric, Add	153.46	
For 1-1/4" Mesh Fabric, Add	98.78	
For 1-3/4" Mesh Fabric, Add	61.39	
For 2-1/8" Mesh Fabric, Deduct	-30.69	
For Gate With Single Barb Wire Arm, Add	38.81	
For Gate With Double Barb Wire Arm, Add	56.45	
32 31 13 13-0436 EA 10' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	550.15	54.32
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-72.55	
For 1" Mesh Fabric, Add	168.31	
For 1-1/4" Mesh Fabric, Add	108.34	
For 1-3/4" Mesh Fabric, Add	67.32	
For 2-1/8" Mesh Fabric, Deduct	-33.66	
For Gate With Single Barb Wire Arm, Add	42.56	
For Gate With Double Barb Wire Arm, Add	61.91	
32 31 13 13-0437 EA 10' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	709.87	54.50
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-102.42	
For 1" Mesh Fabric, Add	237.61	
For 1-1/4" Mesh Fabric, Add	152.95	
For 1-3/4" Mesh Fabric, Add	95.05	
For 2-1/8" Mesh Fabric, Deduct	-47.52	
For Gate With Single Barb Wire Arm, Add	60.09	
For Gate With Double Barb Wire Arm, Add	87.40	
32 31 13 13-0438 EA 12' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	831.71	58.70
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-122.90	
For 1" Mesh Fabric, Add	285.14	
For 1-1/4" Mesh Fabric, Add	183.54	
For 1-3/4" Mesh Fabric, Add	114.06	
For 2-1/8" Mesh Fabric, Deduct	-57.03	
For Gate With Single Barb Wire Arm, Add	72.10	
For Gate With Double Barb Wire Arm, Add	104.88	
32 31 13 13-0439 EA 14' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	955.63	63.57
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-143.39	
For 1" Mesh Fabric, Add	332.66	
For 1-1/4" Mesh Fabric, Add	214.12	
For 1-3/4" Mesh Fabric, Add	133.06	
For 2-1/8" Mesh Fabric, Deduct	-66.53	
For Gate With Single Barb Wire Arm, Add	84.12	
For Gate With Double Barb Wire Arm, Add	122.36	
32 31 13 13-0440 EA 16' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	1,119.40	81.68
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-163.87	
For 1" Mesh Fabric, Add	380.18	
For 1-1/4" Mesh Fabric, Add	244.71	
For 1-3/4" Mesh Fabric, Add	152.07	
For 2-1/8" Mesh Fabric, Deduct	-76.04	
For Gate With Single Barb Wire Arm, Add	96.14	
For Gate With Double Barb Wire Arm, Add	139.84	

**32 Exterior Improvements**

**32 30 Site Improvements**

**32 31 Fences and Gates**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13	13-0441	EA	18 Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm ..... For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	1,246.18 -184.36 427.71 275.30 171.08 -85.54 108.16 157.32	87.55
32 31 13	13-0442	EA	20' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm ..... For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	1,375.66 -204.84 475.23 305.89 190.09 -95.05 120.17 174.80	94.34
32 31 13	13-0443	EA	22' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm ..... For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	1,508.49 -225.32 522.75 336.48 209.10 -104.55 132.19 192.28	102.16
32 31 13	13-0444	EA	24' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm ..... For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	1,645.64 -245.81 570.27 367.07 228.11 -114.05 144.21 209.76	111.48
32 31 13	13-0445	EA	26' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm ..... For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	1,788.35 -266.29 617.80 397.66 247.12 -123.56 156.22 227.24	122.63
32 31 13	13-0446	EA	28' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm ..... For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	1,938.50 -286.78 665.32 428.25 266.13 -133.06 168.24 244.72	136.21
32 31 13	13-0447	EA	30' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm ..... For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	2,098.88 -307.26 712.84 458.84 285.14 -142.57 180.26 262.20	153.23
32 31 13	13-0448	<b>6' Fence Height</b> <small>(32 31 13 13-0407)</small>			
32 31 13	13-0449	EA	3' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm ..... For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	227.76 -27.36 63.48 40.86 25.39 -12.70 16.05 23.35	27.20
32 31 13	13-0450	EA	4' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm ..... For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	276.41 -36.49 84.65 54.49 33.86 -16.93 21.40 31.13	27.20
32 31 13	13-0451	EA	5' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm ..... For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	317.94 -43.33 100.52 64.70 40.21 -20.10 25.42 36.97	28.92



<b>Exterior Improvements</b>	<b>32</b>	<b>32</b>
Site Improvements	32 30	
Fences and Gates	32 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0452 EA 6' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	372.57	34.93
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-50.17	
For 1" Mesh Fabric, Add	116.39	
For 1-1/4" Mesh Fabric, Add	74.92	
For 1-3/4" Mesh Fabric, Add	46.56	
For 2-1/8" Mesh Fabric, Deduct	-23.28	
For Gate With Single Barb Wire Arm, Add	29.43	
For Gate With Double Barb Wire Arm, Add	42.81	
32 31 13 13-0453 EA 7' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	427.18	41.05
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-57.01	
For 1" Mesh Fabric, Add	132.26	
For 1-1/4" Mesh Fabric, Add	85.13	
For 1-3/4" Mesh Fabric, Add	52.90	
For 2-1/8" Mesh Fabric, Deduct	-26.45	
For Gate With Single Barb Wire Arm, Add	33.45	
For Gate With Double Barb Wire Arm, Add	48.65	
32 31 13 13-0454 EA 8' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	480.85	46.77
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-63.85	
For 1" Mesh Fabric, Add	148.13	
For 1-1/4" Mesh Fabric, Add	95.35	
For 1-3/4" Mesh Fabric, Add	59.25	
For 2-1/8" Mesh Fabric, Deduct	-29.63	
For Gate With Single Barb Wire Arm, Add	37.46	
For Gate With Double Barb Wire Arm, Add	54.49	
32 31 13 13-0455 EA 9' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	535.47	52.78
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-70.69	
For 1" Mesh Fabric, Add	164.00	
For 1-1/4" Mesh Fabric, Add	105.57	
For 1-3/4" Mesh Fabric, Add	65.60	
For 2-1/8" Mesh Fabric, Deduct	-32.80	
For Gate With Single Barb Wire Arm, Add	41.47	
For Gate With Double Barb Wire Arm, Add	60.32	
32 31 13 13-0456 EA 10' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	590.10	58.79
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-77.53	
For 1" Mesh Fabric, Add	179.88	
For 1-1/4" Mesh Fabric, Add	115.78	
For 1-3/4" Mesh Fabric, Add	71.95	
For 2-1/8" Mesh Fabric, Deduct	-35.98	
For Gate With Single Barb Wire Arm, Add	45.49	
For Gate With Double Barb Wire Arm, Add	66.16	
32 31 13 13-0457 EA 10' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	759.99	58.70
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-109.46	
For 1" Mesh Fabric, Add	253.94	
For 1-1/4" Mesh Fabric, Add	163.46	
For 1-3/4" Mesh Fabric, Add	101.58	
For 2-1/8" Mesh Fabric, Deduct	-50.79	
For Gate With Single Barb Wire Arm, Add	64.21	
For Gate With Double Barb Wire Arm, Add	93.40	
32 31 13 13-0458 EA 12' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	891.43	63.57
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-131.35	
For 1" Mesh Fabric, Add	304.73	
For 1-1/4" Mesh Fabric, Add	196.15	
For 1-3/4" Mesh Fabric, Add	121.89	
For 2-1/8" Mesh Fabric, Deduct	-60.95	
For Gate With Single Barb Wire Arm, Add	77.06	
For Gate With Double Barb Wire Arm, Add	112.08	
32 31 13 13-0459 EA 14' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	1,080.23	87.55
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-153.24	
For 1" Mesh Fabric, Add	355.52	
For 1-1/4" Mesh Fabric, Add	228.84	
For 1-3/4" Mesh Fabric, Add	142.21	
For 2-1/8" Mesh Fabric, Deduct	-71.10	
For Gate With Single Barb Wire Arm, Add	89.90	
For Gate With Double Barb Wire Arm, Add	130.76	
32 31 13 13-0460 EA 16' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	1,217.22	94.34
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-175.13	
For 1" Mesh Fabric, Add	406.31	
For 1-1/4" Mesh Fabric, Add	261.53	
For 1-3/4" Mesh Fabric, Add	162.52	
For 2-1/8" Mesh Fabric, Deduct	-81.26	
For Gate With Single Barb Wire Arm, Add	102.74	
For Gate With Double Barb Wire Arm, Add	149.45	
32 31 13 13-0461 EA 18' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	1,357.56	102.16
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-197.02	
For 1" Mesh Fabric, Add	457.09	
For 1-1/4" Mesh Fabric, Add	294.22	
For 1-3/4" Mesh Fabric, Add	182.84	
For 2-1/8" Mesh Fabric, Deduct	-91.42	
For Gate With Single Barb Wire Arm, Add	115.59	
For Gate With Double Barb Wire Arm, Add	168.13	

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences and Gates**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0462 EA 20' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	1,523.79	111.48
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-222.96	
For 1" Mesh Fabric, Add	517.27	
For 1-1/4" Mesh Fabric, Add	332.95	
For 1-3/4" Mesh Fabric, Add	206.91	
For 2-1/8" Mesh Fabric, Deduct	-103.45	
For Gate With Single Barb Wire Arm, Add	130.80	
For Gate With Double Barb Wire Arm, Add	190.26	
32 31 13 13-0463 EA 22' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	1,656.35	122.63
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-241.54	
For 1" Mesh Fabric, Add	560.38	
For 1-1/4" Mesh Fabric, Add	360.70	
For 1-3/4" Mesh Fabric, Add	224.15	
For 2-1/8" Mesh Fabric, Deduct	-112.08	
For Gate With Single Barb Wire Arm, Add	141.70	
For Gate With Double Barb Wire Arm, Add	206.12	
32 31 13 13-0464 EA 24' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	1,810.09	136.21
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-262.70	
For 1" Mesh Fabric, Add	609.46	
For 1-1/4" Mesh Fabric, Add	392.30	
For 1-3/4" Mesh Fabric, Add	243.78	
For 2-1/8" Mesh Fabric, Deduct	-121.89	
For Gate With Single Barb Wire Arm, Add	154.12	
For Gate With Double Barb Wire Arm, Add	224.17	
32 31 13 13-0465 EA 26' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	1,977.97	153.23
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-284.59	
For 1" Mesh Fabric, Add	660.25	
For 1-1/4" Mesh Fabric, Add	424.99	
For 1-3/4" Mesh Fabric, Add	264.10	
For 2-1/8" Mesh Fabric, Deduct	-132.05	
For Gate With Single Barb Wire Arm, Add	166.96	
For Gate With Double Barb Wire Arm, Add	242.85	
32 31 13 13-0466 EA 28' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	2,160.47	175.09
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-306.48	
For 1" Mesh Fabric, Add	711.04	
For 1-1/4" Mesh Fabric, Add	457.68	
For 1-3/4" Mesh Fabric, Add	284.42	
For 2-1/8" Mesh Fabric, Deduct	-142.21	
For Gate With Single Barb Wire Arm, Add	179.80	
For Gate With Double Barb Wire Arm, Add	261.53	
32 31 13 13-0467 EA 30' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	2,364.87	204.31
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-328.37	
For 1" Mesh Fabric, Add	761.82	
For 1-1/4" Mesh Fabric, Add	490.37	
For 1-3/4" Mesh Fabric, Add	304.73	
For 2-1/8" Mesh Fabric, Deduct	-152.36	
For Gate With Single Barb Wire Arm, Add	192.65	
For Gate With Double Barb Wire Arm, Add	280.21	
<b>32 31 13 13-0468 7' Fence Height (32 31 13 13-0407)</b>		
32 31 13 13-0469 EA 3' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	241.40	29.30
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-28.74	
For 1" Mesh Fabric, Add	66.68	
For 1-1/4" Mesh Fabric, Add	42.92	
For 1-3/4" Mesh Fabric, Add	26.67	
For 2-1/8" Mesh Fabric, Deduct	-13.34	
For Gate With Single Barb Wire Arm, Add	16.86	
For Gate With Double Barb Wire Arm, Add	24.53	
32 31 13 13-0470 EA 4' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	292.50	29.30
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-38.32	
For 1" Mesh Fabric, Add	88.91	
For 1-1/4" Mesh Fabric, Add	57.23	
For 1-3/4" Mesh Fabric, Add	35.56	
For 2-1/8" Mesh Fabric, Deduct	-17.78	
For Gate With Single Barb Wire Arm, Add	22.48	
For Gate With Double Barb Wire Arm, Add	32.70	
32 31 13 13-0471 EA 5' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	335.31	30.83
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-45.51	
For 1" Mesh Fabric, Add	105.58	
For 1-1/4" Mesh Fabric, Add	67.96	
For 1-3/4" Mesh Fabric, Add	42.23	
For 2-1/8" Mesh Fabric, Deduct	-21.12	
For Gate With Single Barb Wire Arm, Add	26.70	
For Gate With Double Barb Wire Arm, Add	38.84	
32 31 13 13-0472 EA 6' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	393.68	37.51
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-52.70	
For 1" Mesh Fabric, Add	122.25	
For 1-1/4" Mesh Fabric, Add	78.69	
For 1-3/4" Mesh Fabric, Add	48.90	
For 2-1/8" Mesh Fabric, Deduct	-24.45	
For Gate With Single Barb Wire Arm, Add	30.91	
For Gate With Double Barb Wire Arm, Add	44.97	





	<b>Exterior Improvements</b>	<b>32</b>
	Site Improvements	32 30
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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0473 EA 7' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	451.09	43.91
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-59.88	
For 1" Mesh Fabric, Add	138.93	
For 1-1/4" Mesh Fabric, Add	89.42	
For 1-3/4" Mesh Fabric, Add	55.57	
For 2-1/8" Mesh Fabric, Deduct	-27.79	
For Gate With Single Barb Wire Arm, Add	35.13	
For Gate With Double Barb Wire Arm, Add	51.10	
32 31 13 13-0474 EA 8' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	509.47	50.50
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-67.07	
For 1" Mesh Fabric, Add	155.60	
For 1-1/4" Mesh Fabric, Add	100.16	
For 1-3/4" Mesh Fabric, Add	62.24	
For 2-1/8" Mesh Fabric, Deduct	-31.12	
For Gate With Single Barb Wire Arm, Add	39.35	
For Gate With Double Barb Wire Arm, Add	57.23	
32 31 13 13-0475 EA 9' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	566.87	56.89
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-74.25	
For 1" Mesh Fabric, Add	172.27	
For 1-1/4" Mesh Fabric, Add	110.89	
For 1-3/4" Mesh Fabric, Add	68.91	
For 2-1/8" Mesh Fabric, Deduct	-34.45	
For Gate With Single Barb Wire Arm, Add	43.56	
For Gate With Double Barb Wire Arm, Add	63.36	
32 31 13 13-0476 EA 10' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	625.25	63.57
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-81.44	
For 1" Mesh Fabric, Add	188.94	
For 1-1/4" Mesh Fabric, Add	121.62	
For 1-3/4" Mesh Fabric, Add	75.58	
For 2-1/8" Mesh Fabric, Deduct	-37.79	
For Gate With Single Barb Wire Arm, Add	47.78	
For Gate With Double Barb Wire Arm, Add	69.50	
32 31 13 13-0477 EA 10' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	804.08	63.57
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-114.97	
For 1" Mesh Fabric, Add	266.73	
For 1-1/4" Mesh Fabric, Add	171.69	
For 1-3/4" Mesh Fabric, Add	106.69	
For 2-1/8" Mesh Fabric, Deduct	-53.35	
For Gate With Single Barb Wire Arm, Add	67.45	
For Gate With Double Barb Wire Arm, Add	98.11	
32 31 13 13-0478 EA 12' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	998.75	87.55
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-137.96	
For 1" Mesh Fabric, Add	320.07	
For 1-1/4" Mesh Fabric, Add	206.02	
For 1-3/4" Mesh Fabric, Add	128.03	
For 2-1/8" Mesh Fabric, Deduct	-64.01	
For Gate With Single Barb Wire Arm, Add	80.94	
For Gate With Double Barb Wire Arm, Add	117.73	
32 31 13 13-0479 EA 14' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	1,141.63	94.34
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-160.96	
For 1" Mesh Fabric, Add	373.43	
For 1-1/4" Mesh Fabric, Add	240.37	
For 1-3/4" Mesh Fabric, Add	149.37	
For 2-1/8" Mesh Fabric, Deduct	-74.69	
For Gate With Single Barb Wire Arm, Add	94.43	
For Gate With Double Barb Wire Arm, Add	137.35	
32 31 13 13-0480 EA 16' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	1,287.84	102.16
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-183.95	
For 1" Mesh Fabric, Add	426.77	
For 1-1/4" Mesh Fabric, Add	274.70	
For 1-3/4" Mesh Fabric, Add	170.71	
For 2-1/8" Mesh Fabric, Deduct	-85.35	
For Gate With Single Barb Wire Arm, Add	107.92	
For Gate With Double Barb Wire Arm, Add	156.97	
32 31 13 13-0481 EA 18' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	1,438.39	111.48
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-206.95	
For 1" Mesh Fabric, Add	480.12	
For 1-1/4" Mesh Fabric, Add	309.04	
For 1-3/4" Mesh Fabric, Add	192.05	
For 2-1/8" Mesh Fabric, Deduct	-96.02	
For Gate With Single Barb Wire Arm, Add	121.41	
For Gate With Double Barb Wire Arm, Add	176.60	
32 31 13 13-0482 EA 20' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	1,594.47	122.63
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-229.94	
For 1" Mesh Fabric, Add	533.46	
For 1-1/4" Mesh Fabric, Add	343.38	
For 1-3/4" Mesh Fabric, Add	213.38	
For 2-1/8" Mesh Fabric, Deduct	-106.69	
For Gate With Single Barb Wire Arm, Add	134.90	
For Gate With Double Barb Wire Arm, Add	196.21	

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences and Gates**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0483 EA 22' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	1,757.98	136.21
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-252.93	
For 1" Mesh Fabric, Add	586.79	
For 1-1/4" Mesh Fabric, Add	377.71	
For 1-3/4" Mesh Fabric, Add	234.72	
For 2-1/8" Mesh Fabric, Deduct	-117.36	
For Gate With Single Barb Wire Arm, Add	148.38	
For Gate With Double Barb Wire Arm, Add	215.83	
32 31 13 13-0484 EA 24' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	1,931.76	153.23
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-275.93	
For 1" Mesh Fabric, Add	640.15	
For 1-1/4" Mesh Fabric, Add	412.05	
For 1-3/4" Mesh Fabric, Add	256.06	
For 2-1/8" Mesh Fabric, Deduct	-128.03	
For Gate With Single Barb Wire Arm, Add	161.88	
For Gate With Double Barb Wire Arm, Add	235.46	
32 31 13 13-0485 EA 26' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	2,120.15	175.09
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-298.92	
For 1" Mesh Fabric, Add	693.50	
For 1-1/4" Mesh Fabric, Add	446.39	
For 1-3/4" Mesh Fabric, Add	277.40	
For 2-1/8" Mesh Fabric, Deduct	-138.70	
For Gate With Single Barb Wire Arm, Add	175.37	
For Gate With Double Barb Wire Arm, Add	255.08	
32 31 13 13-0486 EA 28' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	2,330.42	204.31
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-321.91	
For 1" Mesh Fabric, Add	746.84	
For 1-1/4" Mesh Fabric, Add	480.72	
For 1-3/4" Mesh Fabric, Add	298.74	
For 2-1/8" Mesh Fabric, Deduct	-149.37	
For Gate With Single Barb Wire Arm, Add	188.86	
For Gate With Double Barb Wire Arm, Add	274.70	
32 31 13 13-0487 EA 30' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	2,575.78	245.15
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-344.91	
For 1" Mesh Fabric, Add	800.19	
For 1-1/4" Mesh Fabric, Add	515.07	
For 1-3/4" Mesh Fabric, Add	320.08	
For 2-1/8" Mesh Fabric, Deduct	-160.04	
For Gate With Single Barb Wire Arm, Add	202.35	
For Gate With Double Barb Wire Arm, Add	294.32	
<b>32 31 13 13-0488 8' Fence Height (32 31 13 13-0407)</b>		
32 31 13 13-0489 EA 3' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm .....	281.26	31.78
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-34.84	
For 1" Mesh Fabric, Add	80.82	
For 1-1/4" Mesh Fabric, Add	52.02	
For 1-3/4" Mesh Fabric, Add	32.33	
For 2-1/8" Mesh Fabric, Deduct	-16.16	
For Gate With Single Barb Wire Arm, Add	20.44	
For Gate With Double Barb Wire Arm, Add	29.73	
32 31 13 13-0490 EA 4' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm .....	343.19	31.78
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-46.45	
For 1" Mesh Fabric, Add	107.76	
For 1-1/4" Mesh Fabric, Add	69.36	
For 1-3/4" Mesh Fabric, Add	43.11	
For 2-1/8" Mesh Fabric, Deduct	-21.55	
For Gate With Single Barb Wire Arm, Add	27.25	
For Gate With Double Barb Wire Arm, Add	39.64	
32 31 13 13-0491 EA 5' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm .....	384.48	31.78
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-54.19	
For 1" Mesh Fabric, Add	125.72	
For 1-1/4" Mesh Fabric, Add	80.93	
For 1-3/4" Mesh Fabric, Add	50.29	
For 2-1/8" Mesh Fabric, Deduct	-25.14	
For Gate With Single Barb Wire Arm, Add	31.79	
For Gate With Double Barb Wire Arm, Add	46.24	
32 31 13 13-0492 EA 6' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm .....	450.57	40.09
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-61.93	
For 1" Mesh Fabric, Add	143.68	
For 1-1/4" Mesh Fabric, Add	92.49	
For 1-3/4" Mesh Fabric, Add	57.47	
For 2-1/8" Mesh Fabric, Deduct	-28.74	
For Gate With Single Barb Wire Arm, Add	36.33	
For Gate With Double Barb Wire Arm, Add	52.85	
32 31 13 13-0493 EA 7' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm .....	516.69	48.29
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-69.68	
For 1" Mesh Fabric, Add	161.65	
For 1-1/4" Mesh Fabric, Add	104.05	
For 1-3/4" Mesh Fabric, Add	64.66	
For 2-1/8" Mesh Fabric, Deduct	-32.33	
For Gate With Single Barb Wire Arm, Add	40.88	
For Gate With Double Barb Wire Arm, Add	59.46	



	<b>Exterior Improvements</b>	<b>32</b>	
	Site Improvements	32 30	32
	Fences and Gates	32 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0494 EA 8' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	581.84	56.22
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-77.42	
For 1" Mesh Fabric, Add	179.61	
For 1-1/4" Mesh Fabric, Add	115.61	
For 1-3/4" Mesh Fabric, Add	71.84	
For 2-1/8" Mesh Fabric, Deduct	-35.92	
For Gate With Single Barb Wire Arm, Add	45.42	
For Gate With Double Barb Wire Arm, Add	66.06	
32 31 13 13-0495 EA 9' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	647.96	64.53
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-85.16	
For 1" Mesh Fabric, Add	197.57	
For 1-1/4" Mesh Fabric, Add	127.17	
For 1-3/4" Mesh Fabric, Add	79.03	
For 2-1/8" Mesh Fabric, Deduct	-39.51	
For Gate With Single Barb Wire Arm, Add	49.96	
For Gate With Double Barb Wire Arm, Add	72.67	
32 31 13 13-0496 EA 10' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	714.05	72.83
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-92.90	
For 1" Mesh Fabric, Add	215.53	
For 1-1/4" Mesh Fabric, Add	138.73	
For 1-3/4" Mesh Fabric, Add	86.21	
For 2-1/8" Mesh Fabric, Deduct	-43.11	
For Gate With Single Barb Wire Arm, Add	54.50	
For Gate With Double Barb Wire Arm, Add	79.28	
32 31 13 13-0497 EA 10' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	1,006.14	87.55
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-139.35	
For 1" Mesh Fabric, Add	323.29	
For 1-1/4" Mesh Fabric, Add	208.09	
For 1-3/4" Mesh Fabric, Add	129.32	
For 2-1/8" Mesh Fabric, Deduct	-64.66	
For Gate With Single Barb Wire Arm, Add	81.75	
For Gate With Double Barb Wire Arm, Add	118.91	
32 31 13 13-0498 EA 12' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	1,175.01	94.34
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-167.22	
For 1" Mesh Fabric, Add	387.95	
For 1-1/4" Mesh Fabric, Add	249.71	
For 1-3/4" Mesh Fabric, Add	155.18	
For 2-1/8" Mesh Fabric, Deduct	-77.59	
For Gate With Single Barb Wire Arm, Add	98.10	
For Gate With Double Barb Wire Arm, Add	142.69	
32 31 13 13-0499 EA 14' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	1,347.24	102.16
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-195.09	
For 1" Mesh Fabric, Add	452.60	
For 1-1/4" Mesh Fabric, Add	291.33	
For 1-3/4" Mesh Fabric, Add	181.04	
For 2-1/8" Mesh Fabric, Deduct	-90.52	
For Gate With Single Barb Wire Arm, Add	114.45	
For Gate With Double Barb Wire Arm, Add	166.48	
32 31 13 13-0500 EA 16' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	1,523.78	111.48
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-222.96	
For 1" Mesh Fabric, Add	517.26	
For 1-1/4" Mesh Fabric, Add	332.95	
For 1-3/4" Mesh Fabric, Add	206.91	
For 2-1/8" Mesh Fabric, Deduct	-103.45	
For Gate With Single Barb Wire Arm, Add	130.80	
For Gate With Double Barb Wire Arm, Add	190.26	
32 31 13 13-0501 EA 18' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	1,705.88	122.63
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-250.83	
For 1" Mesh Fabric, Add	581.92	
For 1-1/4" Mesh Fabric, Add	374.57	
For 1-3/4" Mesh Fabric, Add	232.77	
For 2-1/8" Mesh Fabric, Deduct	-116.38	
For Gate With Single Barb Wire Arm, Add	147.15	
For Gate With Double Barb Wire Arm, Add	214.04	
32 31 13 13-0502 EA 20' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	1,895.42	136.21
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-278.70	
For 1" Mesh Fabric, Add	646.58	
For 1-1/4" Mesh Fabric, Add	416.19	
For 1-3/4" Mesh Fabric, Add	258.63	
For 2-1/8" Mesh Fabric, Deduct	-129.32	
For Gate With Single Barb Wire Arm, Add	163.50	
For Gate With Double Barb Wire Arm, Add	237.82	
32 31 13 13-0503 EA 22' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	2,095.18	153.23
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-306.57	
For 1" Mesh Fabric, Add	711.23	
For 1-1/4" Mesh Fabric, Add	457.81	
For 1-3/4" Mesh Fabric, Add	284.49	
For 2-1/8" Mesh Fabric, Deduct	-142.25	
For Gate With Single Barb Wire Arm, Add	179.85	
For Gate With Double Barb Wire Arm, Add	261.60	

**32 Exterior Improvements**

**32 30 Site Improvements**

**32 31 Fences and Gates**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13	13-0504	EA	24' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm ..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	2,309.56 -334.44 775.89 499.42 310.36 -155.18 196.20 285.39	175.09
32 31 13	13-0505	EA	26' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm ..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	2,545.85 -362.31 840.55 541.04 336.22 -168.11 212.55 309.17	204.31
32 31 13	13-0506	EA	28' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm ..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	2,817.20 -390.18 905.21 582.66 362.08 -181.04 228.90 332.95	245.15
32 31 13	13-0507	EA	30' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm ..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	3,149.90 -418.05 969.87 624.28 387.95 -193.97 245.25 356.73	306.47
<b>32 31 13</b>	<b>13-0508</b>		<b>10' Fence Height</b> <small>(32 31 13 13-0407)</small>		
32 31 13	13-0509	EA	3' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm ..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	321.59 -40.41 93.76 60.35 37.50 -18.75 23.71 34.48	35.32
32 31 13	13-0510	EA	4' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm ..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	393.44 -53.88 125.01 80.47 50.00 -25.00 31.61 45.98	35.32
32 31 13	13-0511	EA	5' Wide x 10' High Gate Single Vinyl Coated Without Barbed Wire Arm ..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	446.00 -62.87 145.85 93.88 58.34 -29.17 36.88 53.64	36.85
32 31 13	13-0512	EA	6' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm ..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	520.62 -71.85 166.68 107.29 66.67 -33.34 42.15 61.31	45.81
32 31 13	13-0513	EA	7' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm ..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	594.30 -80.83 187.52 120.70 75.01 -37.50 47.42 68.97	54.32
32 31 13	13-0514	EA	8' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm ..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	668.93 -89.81 208.36 134.11 83.34 -41.67 52.69 76.64	63.28



<b>Exterior Improvements</b>	<b>32</b>	<b>32</b>
Site Improvements	32 30	
Fences and Gates	32 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0515 EA 9' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	742.59	71.88
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-98.79	
For 1" Mesh Fabric, Add	229.19	
For 1-1/4" Mesh Fabric, Add	147.53	
For 1-3/4" Mesh Fabric, Add	91.68	
For 2-1/8" Mesh Fabric, Deduct	-45.84	
For Gate With Single Barb Wire Arm, Add	57.96	
For Gate With Double Barb Wire Arm, Add	84.30	
32 31 13 13-0516 EA 10' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	817.22	80.75
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-107.77	
For 1" Mesh Fabric, Add	250.02	
For 1-1/4" Mesh Fabric, Add	160.94	
For 1-3/4" Mesh Fabric, Add	100.01	
For 2-1/8" Mesh Fabric, Deduct	-50.00	
For Gate With Single Barb Wire Arm, Add	63.22	
For Gate With Double Barb Wire Arm, Add	91.96	
32 31 13 13-0517 EA 10' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	1,154.31	97.32
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-161.65	
For 1" Mesh Fabric, Add	375.03	
For 1-1/4" Mesh Fabric, Add	241.40	
For 1-3/4" Mesh Fabric, Add	150.01	
For 2-1/8" Mesh Fabric, Deduct	-75.01	
For Gate With Single Barb Wire Arm, Add	94.84	
For Gate With Double Barb Wire Arm, Add	137.94	
32 31 13 13-0518 EA 12' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	1,349.10	104.69
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-193.98	
For 1" Mesh Fabric, Add	450.04	
For 1-1/4" Mesh Fabric, Add	289.68	
For 1-3/4" Mesh Fabric, Add	180.02	
For 2-1/8" Mesh Fabric, Deduct	-90.01	
For Gate With Single Barb Wire Arm, Add	113.80	
For Gate With Double Barb Wire Arm, Add	165.53	
32 31 13 13-0519 EA 14' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	1,547.86	113.55
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-226.31	
For 1" Mesh Fabric, Add	525.05	
For 1-1/4" Mesh Fabric, Add	337.96	
For 1-3/4" Mesh Fabric, Add	210.02	
For 2-1/8" Mesh Fabric, Deduct	-105.01	
For Gate With Single Barb Wire Arm, Add	132.77	
For Gate With Double Barb Wire Arm, Add	193.12	
32 31 13 13-0520 EA 16' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	1,751.12	123.78
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-258.64	
For 1" Mesh Fabric, Add	600.05	
For 1-1/4" Mesh Fabric, Add	386.24	
For 1-3/4" Mesh Fabric, Add	240.02	
For 2-1/8" Mesh Fabric, Deduct	-120.01	
For Gate With Single Barb Wire Arm, Add	151.74	
For Gate With Double Barb Wire Arm, Add	220.71	
32 31 13 13-0521 EA 18' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	1,960.88	136.21
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-290.97	
For 1" Mesh Fabric, Add	675.05	
For 1-1/4" Mesh Fabric, Add	434.52	
For 1-3/4" Mesh Fabric, Add	270.02	
For 2-1/8" Mesh Fabric, Deduct	-135.01	
For Gate With Single Barb Wire Arm, Add	170.70	
For Gate With Double Barb Wire Arm, Add	248.30	
32 31 13 13-0522 EA 20' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	2,178.54	151.28
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-323.30	
For 1" Mesh Fabric, Add	750.06	
For 1-1/4" Mesh Fabric, Add	482.80	
For 1-3/4" Mesh Fabric, Add	300.02	
For 2-1/8" Mesh Fabric, Deduct	-150.01	
For Gate With Single Barb Wire Arm, Add	189.67	
For Gate With Double Barb Wire Arm, Add	275.88	
32 31 13 13-0523 EA 22' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	2,408.00	170.26
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-355.63	
For 1" Mesh Fabric, Add	825.07	
For 1-1/4" Mesh Fabric, Add	531.08	
For 1-3/4" Mesh Fabric, Add	330.03	
For 2-1/8" Mesh Fabric, Deduct	-165.01	
For Gate With Single Barb Wire Arm, Add	208.64	
For Gate With Double Barb Wire Arm, Add	303.47	
32 31 13 13-0524 EA 24' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	2,653.10	194.42
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-387.96	
For 1" Mesh Fabric, Add	900.08	
For 1-1/4" Mesh Fabric, Add	579.36	
For 1-3/4" Mesh Fabric, Add	360.03	
For 2-1/8" Mesh Fabric, Deduct	-180.02	
For Gate With Single Barb Wire Arm, Add	227.61	
For Gate With Double Barb Wire Arm, Add	331.06	

**32 Exterior Improvements**

**32 30 Site Improvements**

**32 31 Fences and Gates**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13	13-0525	EA	26' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm ..... For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	2,923.28 -420.29 975.08 627.64 390.03 -195.02 246.57 358.65	226.97
32 31 13	13-0526	EA	28' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm ..... For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	3,231.32 -452.62 1,050.09 675.92 420.03 -210.02 265.54 386.24	272.18
32 31 13	13-0527	EA	30' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm ..... For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	3,609.00 -484.95 1,125.09 724.20 450.04 -225.02 284.51 413.83	340.52
<b>32 31 13 13-0528 12' Fence Height (32 31 13 13-0407)</b>					
32 31 13	13-0529	EA	3' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm ..... For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	418.42 -56.36 130.75 84.16 52.30 -26.15 33.06 48.09	39.23
32 31 13	13-0530	EA	4' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm ..... For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	518.34 -75.09 174.22 112.14 69.69 -34.84 44.06 64.08	39.23
32 31 13	13-0531	EA	5' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm ..... For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	597.00 -89.03 206.55 132.95 82.62 -41.31 52.23 75.97	40.67
32 31 13	13-0532	EA	6' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm ..... For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	688.53 -100.64 233.49 150.29 93.40 -46.70 59.04 85.88	50.50
32 31 13	13-0533	EA	7' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm ..... For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	786.93 -113.54 263.42 169.56 105.37 -52.68 66.61 96.89	60.42
32 31 13	13-0534	EA	8' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm ..... For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	884.39 -126.45 293.36 188.83 117.34 -58.67 74.18 107.90	69.96
32 31 13	13-0535	EA	9' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm ..... For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	982.79 -139.35 323.29 208.10 129.32 -64.66 81.75 118.91	79.80



	<b>Exterior Improvements</b>	<b>32</b>
	Site Improvements	32 30
	Fences and Gates	32 31

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0536 EA 10' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	1,074.32	89.63
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-150.96	
For 1" Mesh Fabric, Add	350.24	
For 1-1/4" Mesh Fabric, Add	225.44	
For 1-3/4" Mesh Fabric, Add	140.09	
For 2-1/8" Mesh Fabric, Deduct	-70.05	
For Gate With Single Barb Wire Arm, Add	88.57	
For Gate With Double Barb Wire Arm, Add	128.82	
32 31 13 13-0537 EA 10' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	1,531.80	108.14
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-226.37	
For 1" Mesh Fabric, Add	525.17	
For 1-1/4" Mesh Fabric, Add	338.04	
For 1-3/4" Mesh Fabric, Add	210.07	
For 2-1/8" Mesh Fabric, Deduct	-105.03	
For Gate With Single Barb Wire Arm, Add	132.80	
For Gate With Double Barb Wire Arm, Add	193.17	
32 31 13 13-0538 EA 12' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	1,837.46	116.42
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-279.01	
For 1" Mesh Fabric, Add	647.31	
For 1-1/4" Mesh Fabric, Add	416.66	
For 1-3/4" Mesh Fabric, Add	258.92	
For 2-1/8" Mesh Fabric, Deduct	-129.46	
For Gate With Single Barb Wire Arm, Add	163.69	
For Gate With Double Barb Wire Arm, Add	238.09	
32 31 13 13-0539 EA 14' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	2,116.18	126.09
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-325.77	
For 1" Mesh Fabric, Add	755.79	
For 1-1/4" Mesh Fabric, Add	486.48	
For 1-3/4" Mesh Fabric, Add	302.31	
For 2-1/8" Mesh Fabric, Deduct	-151.16	
For Gate With Single Barb Wire Arm, Add	191.12	
For Gate With Double Barb Wire Arm, Add	277.99	
32 31 13 13-0540 EA 16' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	2,398.25	137.47
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-372.22	
For 1" Mesh Fabric, Add	863.55	
For 1-1/4" Mesh Fabric, Add	555.85	
For 1-3/4" Mesh Fabric, Add	345.42	
For 2-1/8" Mesh Fabric, Deduct	-172.71	
For Gate With Single Barb Wire Arm, Add	218.37	
For Gate With Double Barb Wire Arm, Add	317.63	
32 31 13 13-0541 EA 18' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	2,684.09	151.39
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-418.05	
For 1" Mesh Fabric, Add	969.88	
For 1-1/4" Mesh Fabric, Add	624.29	
For 1-3/4" Mesh Fabric, Add	387.95	
For 2-1/8" Mesh Fabric, Deduct	-193.98	
For Gate With Single Barb Wire Arm, Add	245.26	
For Gate With Double Barb Wire Arm, Add	356.74	
32 31 13 13-0542 EA 20' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	2,981.91	168.07
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-464.50	
For 1" Mesh Fabric, Add	1,077.64	
For 1-1/4" Mesh Fabric, Add	693.66	
For 1-3/4" Mesh Fabric, Add	431.06	
For 2-1/8" Mesh Fabric, Deduct	-215.53	
For Gate With Single Barb Wire Arm, Add	272.51	
For Gate With Double Barb Wire Arm, Add	396.37	
32 31 13 13-0543 EA 22' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	3,293.17	189.12
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-510.95	
For 1" Mesh Fabric, Add	1,185.41	
For 1-1/4" Mesh Fabric, Add	763.02	
For 1-3/4" Mesh Fabric, Add	474.16	
For 2-1/8" Mesh Fabric, Deduct	-237.08	
For Gate With Single Barb Wire Arm, Add	299.76	
For Gate With Double Barb Wire Arm, Add	436.01	
32 31 13 13-0544 EA 24' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	3,621.66	216.05
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-557.40	
For 1" Mesh Fabric, Add	1,293.17	
For 1-1/4" Mesh Fabric, Add	832.39	
For 1-3/4" Mesh Fabric, Add	517.27	
For 2-1/8" Mesh Fabric, Deduct	-258.63	
For Gate With Single Barb Wire Arm, Add	327.01	
For Gate With Double Barb Wire Arm, Add	475.65	
32 31 13 13-0545 EA 26' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	3,986.27	252.29
For 1-5/8" Schedule 40 Pipe Frame, Deduct	-605.40	
For 1" Mesh Fabric, Add	1,404.53	
For 1-1/4" Mesh Fabric, Add	904.06	
For 1-3/4" Mesh Fabric, Add	561.81	
For 2-1/8" Mesh Fabric, Deduct	-280.91	
For Gate With Single Barb Wire Arm, Add	355.17	
For Gate With Double Barb Wire Arm, Add	516.61	

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences and Gates**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13	13-0546	EA 28' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm ..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	4,384.69 -651.85 1,512.29 973.43 604.92 -302.46 382.42 556.24	302.44
32 31 13	13-0547	EA 30' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm ..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	4,860.47 -698.30 1,620.06 1,042.80 648.02 -324.01 409.67 595.88	378.36
32 31 13	13-0548	<b>Chain Link Galvanized Steel Sliding Gate</b> <small>(32 31 13 13-0265)</small> Note: Includes posts (3" diameter posts for up to 15' wide gate and 4" diameter over 15' wide), caps, upper and lower rails, track brackets, roller gate wheel carrier, track rollers, 2" diameter Schedule 40 pipe frame top and bottom bar, and 1-1/2" bracing. Includes truss rod, latches, track rollers with brackets, pipe track clamps and two wheel carriers. Fabric: galvanized chain link 2" mesh # 9 gauge, galvanized 1.2 ounce coating. See CSI section 32 31 13 13-0644 for additional gate accessories, 32 31 13 13-0736 for gate replacement parts.		
32 31 13	13-0549	<b>4' High Chain Link Galvanized Steel Sliding Gate</b> <small>(32 31 13 13-0548)</small>		
32 31 13	13-0550	EA 10' Long x 4' High Chain Link Galvanized Steel Sliding Gate ..... <i>For 1" Mesh Fabric, Add</i> <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	3,123.89 1,034.00 665.56 413.60 -206.80 261.47 713.10	373.42
32 31 13	13-0551	EA 12' Long x 4' High Chain Link Galvanized Steel Sliding Gate ..... <i>For 1" Mesh Fabric, Add</i> <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	3,753.97 1,240.79 798.67 496.32 -248.16 313.76 855.72	450.84
32 31 13	13-0552	EA 14' Long x 4' High Chain Link Galvanized Steel Sliding Gate ..... <i>For 1" Mesh Fabric, Add</i> <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	4,379.84 1,447.59 931.78 579.04 -289.52 366.06 998.34	525.96
32 31 13	13-0553	EA 16' Long x 4' High Chain Link Galvanized Steel Sliding Gate ..... <i>For 1" Mesh Fabric, Add</i> <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	5,012.25 1,654.40 1,064.90 661.76 -330.88 418.35 1,140.96	604.54
32 31 13	13-0554	EA 18' Long x 4' High Chain Link Galvanized Steel Sliding Gate ..... <i>For 1" Mesh Fabric, Add</i> <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	5,638.83 1,861.20 1,198.01 744.48 -372.24 470.65 1,283.58	680.12
32 31 13	13-0555	EA 20' Long x 4' High Chain Link Galvanized Steel Sliding Gate ..... <i>For 1" Mesh Fabric, Add</i> <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	6,251.44 2,067.99 1,331.12 827.20 -413.60 522.94 1,426.20	748.68
32 31 13	13-0556	EA 24' Long x 4' High Chain Link Galvanized Steel Sliding Gate ..... <i>For 1" Mesh Fabric, Add</i> <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	7,466.08 2,463.38 1,585.62 985.35 -492.68 622.92 1,698.88	901.57
32 31 13	13-0557	EA 30' Long x 4' High Chain Link Galvanized Steel Sliding Gate ..... <i>For 1" Mesh Fabric, Add</i> <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For Gate With Barb Wire Arm, Add</i> <i>For Vinyl Coated, Add</i>	10,534.57 3,101.99 1,996.68 1,240.80 -620.40 784.41 2,139.30	1,701.79





		<b>Exterior Improvements</b>	<b>32</b>
		Site Improvements	32 30
		Fences and Gates	32 31
			<b>32</b>

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31	13 13-0558	EA	40' Long x 4' High Chain Link Galvanized Steel Sliding Gate ..... For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	14,046.08 4,135.98 2,662.24 1,654.39 -827.20 1,045.88 2,852.40	2,269.06
<b>32 31</b>	<b>13 13-0559</b>		<b>5' High Chain Link Galvanized Steel Sliding Gate (32 31 13 13-0548)</b>		
32 31	13 13-0560	EA	10' Long x 5' High Chain Link Galvanized Steel Sliding Gate ..... For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	3,259.72 1,064.38 685.12 425.75 -212.88 269.15 734.06	406.44
32 31	13 13-0561	EA	12' Long x 5' High Chain Link Galvanized Steel Sliding Gate ..... For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	3,910.54 1,277.26 822.15 510.91 -255.45 322.99 880.87	487.19
32 31	13 13-0562	EA	14' Long x 5' High Chain Link Galvanized Steel Sliding Gate ..... For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	4,562.09 1,490.14 959.17 596.06 -298.03 376.82 1,027.68	568.30
32 31	13 13-0563	EA	16' Long x 5' High Chain Link Galvanized Steel Sliding Gate ..... For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	5,214.14 1,703.02 1,096.20 681.21 -340.60 430.65 1,174.50	649.63
32 31	13 13-0564	EA	18' Long x 5' High Chain Link Galvanized Steel Sliding Gate ..... For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	5,865.63 1,915.89 1,233.22 766.36 -383.18 484.48 1,321.30	730.62
32 31	13 13-0565	EA	20' Long x 5' High Chain Link Galvanized Steel Sliding Gate ..... For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	6,517.43 2,128.77 1,370.24 851.51 -425.75 538.31 1,468.12	811.84
32 31	13 13-0566	EA	24' Long x 5' High Chain Link Galvanized Steel Sliding Gate ..... For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	7,780.05 2,535.78 1,632.23 1,014.31 -507.16 641.23 1,748.82	975.31
32 31	13 13-0567	EA	30' Long x 5' High Chain Link Galvanized Steel Sliding Gate ..... For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	9,776.58 3,193.15 2,055.36 1,277.26 -638.63 807.46 2,202.17	1,218.05
32 31	13 13-0568	EA	40' Long x 5' High Chain Link Galvanized Steel Sliding Gate ..... For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	13,034.87 4,257.54 2,740.48 1,703.01 -851.51 1,076.62 2,936.23	1,623.68
<b>32 31</b>	<b>13 13-0569</b>		<b>6' High Chain Link Galvanized Steel Sliding Gate (32 31 13 13-0548)</b>		
32 31	13 13-0570	EA	10' Long x 6' High Chain Link Galvanized Steel Sliding Gate ..... For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	3,448.67 1,085.66 698.81 434.26 -217.13 274.53 748.73	476.49

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences and Gates**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0571	EA	12' Long x 6' High Chain Link Galvanized Steel Sliding Gate .....	4,135.06	570.02
		<i>For 1" Mesh Fabric, Add</i>	1,302.79	
		<i>For 1-1/4" Mesh Fabric, Add</i>	838.58	
		<i>For 1-3/4" Mesh Fabric, Add</i>	521.12	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-260.56	
		<i>For Gate With Barb Wire Arm, Add</i>	329.44	
		<i>For Vinyl Coated, Add</i>	898.48	
32 31 13 13-0572	EA	14' Long x 6' High Chain Link Galvanized Steel Sliding Gate .....	4,824.02	664.94
		<i>For 1" Mesh Fabric, Add</i>	1,519.92	
		<i>For 1-1/4" Mesh Fabric, Add</i>	978.34	
		<i>For 1-3/4" Mesh Fabric, Add</i>	607.97	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-303.98	
		<i>For Gate With Barb Wire Arm, Add</i>	384.35	
		<i>For Vinyl Coated, Add</i>	1,048.22	
32 31 13 13-0573	EA	16' Long x 6' High Chain Link Galvanized Steel Sliding Gate .....	5,513.41	760.07
		<i>For 1" Mesh Fabric, Add</i>	1,737.05	
		<i>For 1-1/4" Mesh Fabric, Add</i>	1,118.10	
		<i>For 1-3/4" Mesh Fabric, Add</i>	694.82	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-347.41	
		<i>For Gate With Barb Wire Arm, Add</i>	439.25	
		<i>For Vinyl Coated, Add</i>	1,197.97	
32 31 13 13-0574	EA	18' Long x 6' High Chain Link Galvanized Steel Sliding Gate .....	6,202.37	854.98
		<i>For 1" Mesh Fabric, Add</i>	1,954.18	
		<i>For 1-1/4" Mesh Fabric, Add</i>	1,257.86	
		<i>For 1-3/4" Mesh Fabric, Add</i>	781.67	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-390.84	
		<i>For Gate With Barb Wire Arm, Add</i>	494.16	
		<i>For Vinyl Coated, Add</i>	1,347.71	
32 31 13 13-0575	EA	20' Long x 6' High Chain Link Galvanized Steel Sliding Gate .....	6,897.75	953.10
		<i>For 1" Mesh Fabric, Add</i>	2,171.32	
		<i>For 1-1/4" Mesh Fabric, Add</i>	1,397.63	
		<i>For 1-3/4" Mesh Fabric, Add</i>	868.53	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-434.26	
		<i>For Gate With Barb Wire Arm, Add</i>	549.07	
		<i>For Vinyl Coated, Add</i>	1,497.46	
32 31 13 13-0576	EA	24' Long x 6' High Chain Link Galvanized Steel Sliding Gate .....	8,226.18	1,140.17
		<i>For 1" Mesh Fabric, Add</i>	2,586.46	
		<i>For 1-1/4" Mesh Fabric, Add</i>	1,664.85	
		<i>For 1-3/4" Mesh Fabric, Add</i>	1,034.58	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-517.29	
		<i>For Gate With Barb Wire Arm, Add</i>	654.05	
		<i>For Vinyl Coated, Add</i>	1,783.77	
32 31 13 13-0577	EA	30' Long x 6' High Chain Link Galvanized Steel Sliding Gate .....	10,338.35	1,425.58
		<i>For 1" Mesh Fabric, Add</i>	3,256.97	
		<i>For 1-1/4" Mesh Fabric, Add</i>	2,096.44	
		<i>For 1-3/4" Mesh Fabric, Add</i>	1,302.79	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-651.39	
		<i>For Gate With Barb Wire Arm, Add</i>	823.60	
		<i>For Vinyl Coated, Add</i>	2,246.19	
32 31 13 13-0578	EA	40' Long x 6' High Chain Link Galvanized Steel Sliding Gate .....	13,782.90	1,899.89
		<i>For 1" Mesh Fabric, Add</i>	4,342.63	
		<i>For 1-1/4" Mesh Fabric, Add</i>	2,795.25	
		<i>For 1-3/4" Mesh Fabric, Add</i>	1,737.05	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-868.53	
		<i>For Gate With Barb Wire Arm, Add</i>	1,098.14	
		<i>For Vinyl Coated, Add</i>	2,994.92	
<b>32 31 13 13-0579</b>		<b>7' High Chain Link Galvanized Steel Sliding Gate</b> <small>(32 31 13 13-0548)</small>		
32 31 13 13-0580	EA	10' Long x 7' High Chain Link Galvanized Steel Sliding Gate .....	3,656.54	531.48
		<i>For 1" Mesh Fabric, Add</i>	1,128.20	
		<i>For 1-1/4" Mesh Fabric, Add</i>	726.20	
		<i>For 1-3/4" Mesh Fabric, Add</i>	451.28	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-225.64	
		<i>For Gate With Barb Wire Arm, Add</i>	285.29	
		<i>For Vinyl Coated, Add</i>	778.07	
32 31 13 13-0581	EA	12' Long x 7' High Chain Link Galvanized Steel Sliding Gate .....	4,387.05	637.33
		<i>For 1" Mesh Fabric, Add</i>	1,353.88	
		<i>For 1-1/4" Mesh Fabric, Add</i>	871.46	
		<i>For 1-3/4" Mesh Fabric, Add</i>	541.55	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-270.78	
		<i>For Gate With Barb Wire Arm, Add</i>	342.36	
		<i>For Vinyl Coated, Add</i>	933.71	
32 31 13 13-0582	EA	14' Long x 7' High Chain Link Galvanized Steel Sliding Gate .....	5,119.21	744.08
		<i>For 1" Mesh Fabric, Add</i>	1,579.48	
		<i>For 1-1/4" Mesh Fabric, Add</i>	1,016.67	
		<i>For 1-3/4" Mesh Fabric, Add</i>	631.79	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-315.90	
		<i>For Gate With Barb Wire Arm, Add</i>	399.41	
		<i>For Vinyl Coated, Add</i>	1,089.29	
32 31 13 13-0583	EA	16' Long x 7' High Chain Link Galvanized Steel Sliding Gate .....	5,849.60	849.92
		<i>For 1" Mesh Fabric, Add</i>	1,805.12	
		<i>For 1-1/4" Mesh Fabric, Add</i>	1,161.92	
		<i>For 1-3/4" Mesh Fabric, Add</i>	722.05	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-361.02	
		<i>For Gate With Barb Wire Arm, Add</i>	456.47	
		<i>For Vinyl Coated, Add</i>	1,244.91	



	<b>Exterior Improvements</b>	<b>32</b>
	Site Improvements	32 30
	Fences and Gates	32 31

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0584 EA 18' Long x 7' High Chain Link Galvanized Steel Sliding Gate .....	6,580.98	956.33
For 1" Mesh Fabric, Add	2,030.76	
For 1-1/4" Mesh Fabric, Add	1,307.16	
For 1-3/4" Mesh Fabric, Add	812.31	
For 2-1/8" Mesh Fabric, Deduct	-406.15	
For Gate With Barb Wire Arm, Add	513.53	
For Vinyl Coated, Add	1,400.53	
32 31 13 13-0585 EA 20' Long x 7' High Chain Link Galvanized Steel Sliding Gate .....	7,311.62	1,062.28
For 1" Mesh Fabric, Add	2,256.41	
For 1-1/4" Mesh Fabric, Add	1,452.40	
For 1-3/4" Mesh Fabric, Add	902.56	
For 2-1/8" Mesh Fabric, Deduct	-451.28	
For Gate With Barb Wire Arm, Add	570.59	
For Vinyl Coated, Add	1,556.15	
32 31 13 13-0586 EA 24' Long x 7' High Chain Link Galvanized Steel Sliding Gate .....	8,728.27	1,274.64
For 1" Mesh Fabric, Add	2,687.82	
For 1-1/4" Mesh Fabric, Add	1,730.09	
For 1-3/4" Mesh Fabric, Add	1,075.13	
For 2-1/8" Mesh Fabric, Deduct	-537.56	
For Gate With Barb Wire Arm, Add	679.68	
For Vinyl Coated, Add	1,853.67	
32 31 13 13-0587 EA 30' Long x 7' High Chain Link Galvanized Steel Sliding Gate .....	10,967.41	1,593.31
For 1" Mesh Fabric, Add	3,384.60	
For 1-1/4" Mesh Fabric, Add	2,178.60	
For 1-3/4" Mesh Fabric, Add	1,353.84	
For 2-1/8" Mesh Fabric, Deduct	-676.92	
For Gate With Barb Wire Arm, Add	855.88	
For Vinyl Coated, Add	2,334.21	
32 31 13 13-0588 EA 40' Long x 7' High Chain Link Galvanized Steel Sliding Gate .....	14,623.22	2,124.44
For 1" Mesh Fabric, Add	4,512.81	
For 1-1/4" Mesh Fabric, Add	2,904.80	
For 1-3/4" Mesh Fabric, Add	1,805.12	
For 2-1/8" Mesh Fabric, Deduct	-902.56	
For Gate With Barb Wire Arm, Add	1,141.17	
For Vinyl Coated, Add	3,112.28	
<b>32 31 13 13-0589 8' High Chain Link Galvanized Steel Sliding Gate (32 31 13 13-0548)</b>		
32 31 13 13-0590 EA 10' Long x 8' High Chain Link Galvanized Steel Sliding Gate .....	3,821.97	575.78
For 1" Mesh Fabric, Add	1,161.63	
For 1-1/4" Mesh Fabric, Add	747.72	
For 1-3/4" Mesh Fabric, Add	464.65	
For 2-1/8" Mesh Fabric, Deduct	-232.33	
For Gate With Barb Wire Arm, Add	293.75	
For Vinyl Coated, Add	801.13	
32 31 13 13-0591 EA 12' Long x 8' High Chain Link Galvanized Steel Sliding Gate .....	4,583.07	689.32
For 1" Mesh Fabric, Add	1,393.96	
For 1-1/4" Mesh Fabric, Add	897.26	
For 1-3/4" Mesh Fabric, Add	557.58	
For 2-1/8" Mesh Fabric, Deduct	-278.79	
For Gate With Barb Wire Arm, Add	352.50	
For Vinyl Coated, Add	961.35	
32 31 13 13-0592 EA 14' Long x 8' High Chain Link Galvanized Steel Sliding Gate .....	5,346.96	804.24
For 1" Mesh Fabric, Add	1,626.28	
For 1-1/4" Mesh Fabric, Add	1,046.80	
For 1-3/4" Mesh Fabric, Add	650.51	
For 2-1/8" Mesh Fabric, Deduct	-325.26	
For Gate With Barb Wire Arm, Add	411.24	
For Vinyl Coated, Add	1,121.57	
32 31 13 13-0593 EA 16' Long x 8' High Chain Link Galvanized Steel Sliding Gate .....	6,111.10	919.17
For 1" Mesh Fabric, Add	1,858.61	
For 1-1/4" Mesh Fabric, Add	1,196.34	
For 1-3/4" Mesh Fabric, Add	743.44	
For 2-1/8" Mesh Fabric, Deduct	-371.72	
For Gate With Barb Wire Arm, Add	469.99	
For Vinyl Coated, Add	1,281.80	
32 31 13 13-0594 EA 18' Long x 8' High Chain Link Galvanized Steel Sliding Gate .....	6,873.95	1,033.64
For 1" Mesh Fabric, Add	2,090.93	
For 1-1/4" Mesh Fabric, Add	1,345.89	
For 1-3/4" Mesh Fabric, Add	836.37	
For 2-1/8" Mesh Fabric, Deduct	-418.19	
For Gate With Barb Wire Arm, Add	528.74	
For Vinyl Coated, Add	1,442.02	
32 31 13 13-0595 EA 20' Long x 8' High Chain Link Galvanized Steel Sliding Gate .....	7,638.18	1,148.68
For 1" Mesh Fabric, Add	2,323.26	
For 1-1/4" Mesh Fabric, Add	1,495.43	
For 1-3/4" Mesh Fabric, Add	929.30	
For 2-1/8" Mesh Fabric, Deduct	-464.65	
For Gate With Barb Wire Arm, Add	587.49	
For Vinyl Coated, Add	1,602.25	
32 31 13 13-0596 EA 24' Long x 8' High Chain Link Galvanized Steel Sliding Gate .....	9,119.08	1,378.53
For 1" Mesh Fabric, Add	2,767.46	
For 1-1/4" Mesh Fabric, Add	1,781.35	
For 1-3/4" Mesh Fabric, Add	1,106.98	
For 2-1/8" Mesh Fabric, Deduct	-553.49	
For Gate With Barb Wire Arm, Add	699.82	
For Vinyl Coated, Add	1,908.59	

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences and Gates**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0597	EA	30' Long x 8' High Chain Link Galvanized Steel Sliding Gate .....	11,458.15	1,723.42
		<i>For 1" Mesh Fabric, Add</i>	3,484.89	
		<i>For 1-1/4" Mesh Fabric, Add</i>	2,243.15	
		<i>For 1-3/4" Mesh Fabric, Add</i>	1,393.96	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-696.98	
		<i>For Gate With Barb Wire Arm, Add</i>	881.24	
		<i>For Vinyl Coated, Add</i>	2,403.38	
32 31 13 13-0598	EA	40' Long x 8' High Chain Link Galvanized Steel Sliding Gate .....	15,274.08	2,296.21
		<i>For 1" Mesh Fabric, Add</i>	4,646.52	
		<i>For 1-1/4" Mesh Fabric, Add</i>	2,990.86	
		<i>For 1-3/4" Mesh Fabric, Add</i>	1,858.61	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-929.30	
		<i>For Gate With Barb Wire Arm, Add</i>	1,174.98	
		<i>For Vinyl Coated, Add</i>	3,204.50	
<b>32 31 13 13-0599</b>		<b>9' High Chain Link Galvanized Steel Sliding Gate (32 31 13 13-0548)</b>		
32 31 13 13-0600	EA	10' Long x 9' High Chain Link Galvanized Steel Sliding Gate .....	4,017.46	628.12
		<i>For 1" Mesh Fabric, Add</i>	1,201.13	
		<i>For 1-1/4" Mesh Fabric, Add</i>	773.14	
		<i>For 1-3/4" Mesh Fabric, Add</i>	480.45	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-240.23	
		<i>For Gate With Barb Wire Arm, Add</i>	303.73	
		<i>For Vinyl Coated, Add</i>	828.37	
32 31 13 13-0601	EA	12' Long x 9' High Chain Link Galvanized Steel Sliding Gate .....	4,816.30	751.44
		<i>For 1" Mesh Fabric, Add</i>	1,441.36	
		<i>For 1-1/4" Mesh Fabric, Add</i>	927.77	
		<i>For 1-3/4" Mesh Fabric, Add</i>	576.55	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-288.27	
		<i>For Gate With Barb Wire Arm, Add</i>	364.48	
		<i>For Vinyl Coated, Add</i>	994.04	
32 31 13 13-0602	EA	14' Long x 9' High Chain Link Galvanized Steel Sliding Gate .....	5,618.73	876.49
		<i>For 1" Mesh Fabric, Add</i>	1,681.59	
		<i>For 1-1/4" Mesh Fabric, Add</i>	1,082.40	
		<i>For 1-3/4" Mesh Fabric, Add</i>	672.64	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-336.32	
		<i>For Gate With Barb Wire Arm, Add</i>	425.23	
		<i>For Vinyl Coated, Add</i>	1,159.72	
32 31 13 13-0603	EA	16' Long x 9' High Chain Link Galvanized Steel Sliding Gate .....	6,422.14	1,002.11
		<i>For 1" Mesh Fabric, Add</i>	1,921.81	
		<i>For 1-1/4" Mesh Fabric, Add</i>	1,237.03	
		<i>For 1-3/4" Mesh Fabric, Add</i>	768.73	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-384.36	
		<i>For Gate With Barb Wire Arm, Add</i>	485.98	
		<i>For Vinyl Coated, Add</i>	1,325.39	
32 31 13 13-0604	EA	18' Long x 9' High Chain Link Galvanized Steel Sliding Gate .....	7,224.80	1,127.28
		<i>For 1" Mesh Fabric, Add</i>	2,162.05	
		<i>For 1-1/4" Mesh Fabric, Add</i>	1,391.66	
		<i>For 1-3/4" Mesh Fabric, Add</i>	864.82	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-432.41	
		<i>For Gate With Barb Wire Arm, Add</i>	546.72	
		<i>For Vinyl Coated, Add</i>	1,491.07	
32 31 13 13-0605	EA	20' Long x 9' High Chain Link Galvanized Steel Sliding Gate .....	8,027.43	1,252.44
		<i>For 1" Mesh Fabric, Add</i>	2,402.27	
		<i>For 1-1/4" Mesh Fabric, Add</i>	1,546.29	
		<i>For 1-3/4" Mesh Fabric, Add</i>	960.91	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-480.45	
		<i>For Gate With Barb Wire Arm, Add</i>	607.47	
		<i>For Vinyl Coated, Add</i>	1,656.74	
32 31 13 13-0606	EA	24' Long x 9' High Chain Link Galvanized Steel Sliding Gate .....	9,583.96	1,502.77
		<i>For 1" Mesh Fabric, Add</i>	2,861.58	
		<i>For 1-1/4" Mesh Fabric, Add</i>	1,841.94	
		<i>For 1-3/4" Mesh Fabric, Add</i>	1,144.63	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-572.32	
		<i>For Gate With Barb Wire Arm, Add</i>	723.62	
		<i>For Vinyl Coated, Add</i>	1,973.50	
32 31 13 13-0607	EA	30' Long x 9' High Chain Link Galvanized Steel Sliding Gate .....	12,040.11	1,878.26
		<i>For 1" Mesh Fabric, Add</i>	3,603.41	
		<i>For 1-1/4" Mesh Fabric, Add</i>	2,319.43	
		<i>For 1-3/4" Mesh Fabric, Add</i>	1,441.36	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-720.68	
		<i>For Gate With Barb Wire Arm, Add</i>	911.21	
		<i>For Vinyl Coated, Add</i>	2,485.11	
32 31 13 13-0608	EA	40' Long x 9' High Chain Link Galvanized Steel Sliding Gate .....	16,057.59	2,506.38
		<i>For 1" Mesh Fabric, Add</i>	4,804.55	
		<i>For 1-1/4" Mesh Fabric, Add</i>	3,092.58	
		<i>For 1-3/4" Mesh Fabric, Add</i>	1,921.82	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-960.91	
		<i>For Gate With Barb Wire Arm, Add</i>	1,214.94	
		<i>For Vinyl Coated, Add</i>	3,313.48	
<b>32 31 13 13-0609</b>		<b>10' High Chain Link Galvanized Steel Sliding Gate (32 31 13 13-0548)</b>		



<b>Exterior Improvements</b>	<b>32</b>	<b>32</b>
Site Improvements	32 30	
Fences and Gates	32 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0610 EA 10' Long x 10' High Chain Link Galvanized Steel Sliding Gate.....	4,261.85	690.94
For 1" Mesh Fabric, Add	1,252.80	
For 1-1/4" Mesh Fabric, Add	806.40	
For 1-3/4" Mesh Fabric, Add	501.12	
For 2-1/8" Mesh Fabric, Deduct	-250.56	
For Gate With Barb Wire Arm, Add	316.80	
For Vinyl Coated, Add	864.00	
32 31 13 13-0611 EA 12' Long x 10' High Chain Link Galvanized Steel Sliding Gate.....	5,114.24	829.10
For 1" Mesh Fabric, Add	1,503.36	
For 1-1/4" Mesh Fabric, Add	967.68	
For 1-3/4" Mesh Fabric, Add	601.34	
For 2-1/8" Mesh Fabric, Deduct	-300.67	
For Gate With Barb Wire Arm, Add	380.16	
For Vinyl Coated, Add	1,036.80	
32 31 13 13-0612 EA 14' Long x 10' High Chain Link Galvanized Steel Sliding Gate.....	5,967.08	967.49
For 1" Mesh Fabric, Add	1,753.92	
For 1-1/4" Mesh Fabric, Add	1,128.96	
For 1-3/4" Mesh Fabric, Add	701.57	
For 2-1/8" Mesh Fabric, Deduct	-350.78	
For Gate With Barb Wire Arm, Add	443.52	
For Vinyl Coated, Add	1,209.60	
32 31 13 13-0613 EA 16' Long x 10' High Chain Link Galvanized Steel Sliding Gate.....	6,819.25	1,105.65
For 1" Mesh Fabric, Add	2,004.48	
For 1-1/4" Mesh Fabric, Add	1,290.24	
For 1-3/4" Mesh Fabric, Add	801.79	
For 2-1/8" Mesh Fabric, Deduct	-400.90	
For Gate With Barb Wire Arm, Add	506.88	
For Vinyl Coated, Add	1,382.40	
32 31 13 13-0614 EA 18' Long x 10' High Chain Link Galvanized Steel Sliding Gate.....	7,671.34	1,243.70
For 1" Mesh Fabric, Add	2,255.03	
For 1-1/4" Mesh Fabric, Add	1,451.51	
For 1-3/4" Mesh Fabric, Add	902.01	
For 2-1/8" Mesh Fabric, Deduct	-451.01	
For Gate With Barb Wire Arm, Add	570.24	
For Vinyl Coated, Add	1,555.19	
32 31 13 13-0615 EA 20' Long x 10' High Chain Link Galvanized Steel Sliding Gate.....	8,523.72	1,381.86
For 1" Mesh Fabric, Add	2,505.60	
For 1-1/4" Mesh Fabric, Add	1,612.80	
For 1-3/4" Mesh Fabric, Add	1,002.24	
For 2-1/8" Mesh Fabric, Deduct	-501.12	
For Gate With Barb Wire Arm, Add	633.60	
For Vinyl Coated, Add	1,728.00	
32 31 13 13-0616 EA 24' Long x 10' High Chain Link Galvanized Steel Sliding Gate.....	10,178.95	1,658.88
For 1" Mesh Fabric, Add	2,984.66	
For 1-1/4" Mesh Fabric, Add	1,921.16	
For 1-3/4" Mesh Fabric, Add	1,193.86	
For 2-1/8" Mesh Fabric, Deduct	-596.93	
For Gate With Barb Wire Arm, Add	754.74	
For Vinyl Coated, Add	2,058.38	
32 31 13 13-0617 EA 30' Long x 10' High Chain Link Galvanized Steel Sliding Gate.....	12,785.58	2,072.80
For 1" Mesh Fabric, Add	3,758.39	
For 1-1/4" Mesh Fabric, Add	2,419.19	
For 1-3/4" Mesh Fabric, Add	1,503.36	
For 2-1/8" Mesh Fabric, Deduct	-751.68	
For Gate With Barb Wire Arm, Add	950.40	
For Vinyl Coated, Add	2,591.99	
32 31 13 13-0618 EA 40' Long x 10' High Chain Link Galvanized Steel Sliding Gate.....	17,044.13	2,762.12
For 1" Mesh Fabric, Add	5,011.20	
For 1-1/4" Mesh Fabric, Add	3,225.60	
For 1-3/4" Mesh Fabric, Add	2,004.48	
For 2-1/8" Mesh Fabric, Deduct	-1,002.24	
For Gate With Barb Wire Arm, Add	1,267.20	
For Vinyl Coated, Add	3,456.00	

**32 31 13 13-0619 Sliding Cantilever Gate, Single Track, Manually Operated Exposed Roller**<sup>(32)</sup>

<sup>31 13 13-0265)</sup>

Note: Includes posts (3" diameter posts for up to 15' wide gate and 4" diameter over 15' wide), caps, upper rail, track brackets, roller gate wheel carrier, metal track rollers for rail, 2" diameter Schedule 40 pipe frame top and bottom bar, and 1-1/2" bracing. Includes truss rod, latches, single track, track rollers with brackets, pipe track clamps and two wheel carriers. Fabric: galvanized chain link 2" mesh # 9 gauge, galvanized 1.2 ounce coating. Width listed on tasks is opening width of gate. See CSI section 32 31 11 00-0021 for gate operators.

32 31 13 13-0620 EA 5' High x 10' Wide Galvanized Cantilever Sliding Gate.....	5,853.61	460.16
For 1" Mesh Fabric, Add	2,145.98	
For 1-1/4" Mesh Fabric, Add	1,381.32	
For 1-3/4" Mesh Fabric, Add	858.39	
For 2-1/8" Mesh Fabric, Deduct	-429.20	
For Gate With Single Barb Wire Arm, Add	542.66	
For Gate With Double Barb Wire Arm, Add	789.33	
For Aluminized Steel Gate And Post, Add	2,367.98	
For Powder Coated Gate And Post, Add	1,035.99	
For Vinyl Coated, Add	1,479.99	

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences and Gates**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0621	EA	5' High x 12' Wide Galvanized Cantilever Sliding Gate.....	6,419.51	575.20
		For 1" Mesh Fabric, Add	2,292.06	
		For 1-1/4" Mesh Fabric, Add	1,475.35	
		For 1-3/4" Mesh Fabric, Add	916.83	
		For 2-1/8" Mesh Fabric, Deduct	-458.41	
		For Gate With Single Barb Wire Arm, Add	579.60	
		For Gate With Double Barb Wire Arm, Add	843.06	
		For Aluminized Steel Gate And Post, Add	2,529.17	
		For Powder Coated Gate And Post, Add	1,106.51	
		For Vinyl Coated, Add	1,580.73	
32 31 13 13-0622	EA	5' High x 15' Wide Galvanized Cantilever Sliding Gate.....	6,990.04	690.24
		For 1" Mesh Fabric, Add	2,440.15	
		For 1-1/4" Mesh Fabric, Add	1,570.67	
		For 1-3/4" Mesh Fabric, Add	976.06	
		For 2-1/8" Mesh Fabric, Deduct	-488.03	
		For Gate With Single Barb Wire Arm, Add	617.05	
		For Gate With Double Barb Wire Arm, Add	897.53	
		For Aluminized Steel Gate And Post, Add	2,692.58	
		For Powder Coated Gate And Post, Add	1,178.01	
		For Vinyl Coated, Add	1,682.87	
32 31 13 13-0623	EA	5' High x 20' Wide Galvanized Cantilever Sliding Gate.....	8,198.13	920.32
		For 1" Mesh Fabric, Add	2,765.50	
		For 1-1/4" Mesh Fabric, Add	1,780.09	
		For 1-3/4" Mesh Fabric, Add	1,106.20	
		For 2-1/8" Mesh Fabric, Deduct	-553.10	
		For Gate With Single Barb Wire Arm, Add	699.32	
		For Gate With Double Barb Wire Arm, Add	1,017.20	
		For Aluminized Steel Gate And Post, Add	3,051.59	
		For Powder Coated Gate And Post, Add	1,335.07	
		For Vinyl Coated, Add	1,907.24	
32 31 13 13-0624	EA	6' High x 15' Wide Galvanized Cantilever Sliding Gate.....	7,617.82	920.32
		For 1" Mesh Fabric, Add	2,513.07	
		For 1-1/4" Mesh Fabric, Add	1,617.61	
		For 1-3/4" Mesh Fabric, Add	1,005.23	
		For 2-1/8" Mesh Fabric, Deduct	-502.61	
		For Gate With Single Barb Wire Arm, Add	635.49	
		For Gate With Double Barb Wire Arm, Add	924.35	
		For Aluminized Steel Gate And Post, Add	2,773.04	
		For Powder Coated Gate And Post, Add	1,213.21	
		For Vinyl Coated, Add	1,733.15	
32 31 13 13-0625	EA	6' High x 20' Wide Galvanized Cantilever Sliding Gate.....	8,922.10	1,207.93
		For 1" Mesh Fabric, Add	2,830.22	
		For 1-1/4" Mesh Fabric, Add	1,821.75	
		For 1-3/4" Mesh Fabric, Add	1,132.09	
		For 2-1/8" Mesh Fabric, Deduct	-566.04	
		For Gate With Single Barb Wire Arm, Add	715.69	
		For Gate With Double Barb Wire Arm, Add	1,041.00	
		For Aluminized Steel Gate And Post, Add	3,123.00	
		For Powder Coated Gate And Post, Add	1,366.31	
		For Vinyl Coated, Add	1,951.88	
32 31 13 13-0626	EA	6' High x 25' Wide Galvanized Cantilever Sliding Gate.....	11,833.97	1,495.53
		For 1" Mesh Fabric, Add	3,846.67	
		For 1-1/4" Mesh Fabric, Add	2,476.02	
		For 1-3/4" Mesh Fabric, Add	1,538.67	
		For 2-1/8" Mesh Fabric, Deduct	-769.33	
		For Gate With Single Barb Wire Arm, Add	972.72	
		For Gate With Double Barb Wire Arm, Add	1,414.87	
		For Aluminized Steel Gate And Post, Add	4,244.60	
		For Powder Coated Gate And Post, Add	1,857.01	
		For Vinyl Coated, Add	2,652.88	
32 31 13 13-0627	EA	6' High x 30' Wide Galvanized Cantilever Sliding Gate.....	13,325.50	1,783.13
		For 1" Mesh Fabric, Add	4,245.28	
		For 1-1/4" Mesh Fabric, Add	2,732.59	
		For 1-3/4" Mesh Fabric, Add	1,698.11	
		For 2-1/8" Mesh Fabric, Deduct	-849.06	
		For Gate With Single Barb Wire Arm, Add	1,073.52	
		For Gate With Double Barb Wire Arm, Add	1,561.48	
		For Aluminized Steel Gate And Post, Add	4,684.44	
		For Powder Coated Gate And Post, Add	2,049.44	
		For Vinyl Coated, Add	2,927.78	
32 31 13 13-0628	EA	6' High x 36' Wide Galvanized Cantilever Sliding Gate.....	15,622.48	1,955.69
		For 1" Mesh Fabric, Add	5,094.33	
		For 1-1/4" Mesh Fabric, Add	3,279.11	
		For 1-3/4" Mesh Fabric, Add	2,037.73	
		For 2-1/8" Mesh Fabric, Deduct	-1,018.87	
		For Gate With Single Barb Wire Arm, Add	1,288.22	
		For Gate With Double Barb Wire Arm, Add	1,873.78	
		For Aluminized Steel Gate And Post, Add	5,621.33	
		For Powder Coated Gate And Post, Add	2,459.33	
		For Vinyl Coated, Add	3,513.33	



	<b>Exterior Improvements</b>	<b>32</b>
	Site Improvements	32 30
	Fences and Gates	32 31

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0629 EA 8' High x 15' Wide Galvanized Cantilever Sliding Gate..... <i>For 1" Mesh Fabric, Add</i> <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i> <i>For Vinyl Coated, Add</i>	8,910.52 2,875.22 1,850.72 1,150.09 -575.04 727.07 1,057.55 3,172.66 1,388.04 1,982.91	1,150.40
32 31 13 13-0630 EA 8' High x 20' Wide Galvanized Cantilever Sliding Gate..... <i>For 1" Mesh Fabric, Add</i> <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i> <i>For Vinyl Coated, Add</i>	10,548.70 3,237.54 2,083.93 1,295.01 -647.51 818.69 1,190.82 3,572.45 1,562.95 2,232.78	1,553.05
32 31 13 13-0631 EA 8' High x 25' Wide Galvanized Cantilever Sliding Gate..... <i>For 1" Mesh Fabric, Add</i> <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i> <i>For Vinyl Coated, Add</i>	14,026.88 4,400.25 2,832.34 1,760.10 -880.05 1,112.71 1,618.48 4,855.44 2,124.26 3,034.65	1,955.69
32 31 13 13-0632 EA 8' High x 30' Wide Galvanized Cantilever Sliding Gate..... <i>For 1" Mesh Fabric, Add</i> <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i> <i>For Vinyl Coated, Add</i>	15,764.07 4,855.67 3,125.49 1,942.27 -971.13 1,227.87 1,785.99 5,357.98 2,344.12 3,348.74	2,300.81
32 31 13 13-0633 EA 8' High x 36' Wide Galvanized Cantilever Sliding Gate..... <i>For 1" Mesh Fabric, Add</i> <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i> <i>For Vinyl Coated, Add</i>	18,456.72 5,826.80 3,750.59 2,330.72 -1,165.36 1,473.44 2,143.19 6,429.58 2,812.94 4,018.49	2,530.89
32 31 13 13-0634 EA 10' High x 15' Wide Galvanized Cantilever Sliding Gate..... <i>For 1" Mesh Fabric, Add</i> <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i> <i>For Vinyl Coated, Add</i>	10,196.89 3,234.63 2,082.06 1,293.85 -646.93 817.95 1,189.75 3,569.24 1,561.54 2,230.78	1,380.49
32 31 13 13-0635 EA 10' High x 20' Wide Galvanized Cantilever Sliding Gate..... <i>For 1" Mesh Fabric, Add</i> <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i> <i>For Vinyl Coated, Add</i>	11,846.14 3,601.76 2,318.37 1,440.70 -720.35 910.79 1,324.78 3,974.35 1,738.78 2,483.97	1,783.13
32 31 13 13-0636 EA 10' High x 25' Wide Galvanized Cantilever Sliding Gate..... <i>For 1" Mesh Fabric, Add</i> <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i> <i>For Aluminized Steel Gate And Post, Add</i> <i>For Powder Coated Gate And Post, Add</i> <i>For Vinyl Coated, Add</i>	15,521.40 4,950.28 3,186.39 1,980.11 -990.06 1,251.79 1,820.79 5,462.38 2,389.79 3,413.99	2,070.73

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences and Gates**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0637 EA 10' High x 30' Wide Galvanized Cantilever Sliding Gate.....	17,389.45	2,415.85
For 1" Mesh Fabric, Add	5,462.63	
For 1-1/4" Mesh Fabric, Add	3,516.17	
For 1-3/4" Mesh Fabric, Add	2,185.05	
For 2-1/8" Mesh Fabric, Deduct	-1,092.53	
For Gate With Single Barb Wire Arm, Add	1,381.35	
For Gate With Double Barb Wire Arm, Add	2,009.24	
For Aluminized Steel Gate And Post, Add	6,027.72	
For Powder Coated Gate And Post, Add	2,637.13	
For Vinyl Coated, Add	3,767.33	
32 31 13 13-0638 EA 10' High x 36' Wide Galvanized Cantilever Sliding Gate.....	20,361.16	2,645.93
For 1" Mesh Fabric, Add	6,555.15	
For 1-1/4" Mesh Fabric, Add	4,219.41	
For 1-3/4" Mesh Fabric, Add	2,622.06	
For 2-1/8" Mesh Fabric, Deduct	-1,311.03	
For Gate With Single Barb Wire Arm, Add	1,657.62	
For Gate With Double Barb Wire Arm, Add	2,411.09	
For Aluminized Steel Gate And Post, Add	7,233.27	
For Powder Coated Gate And Post, Add	3,164.56	
For Vinyl Coated, Add	4,520.79	
32 31 13 13-0639 EA 12' High x 15' Wide Galvanized Cantilever Sliding Gate.....	12,029.18	1,553.05
For 1" Mesh Fabric, Add	3,881.55	
For 1-1/4" Mesh Fabric, Add	2,498.47	
For 1-3/4" Mesh Fabric, Add	1,552.62	
For 2-1/8" Mesh Fabric, Deduct	-776.31	
For Gate With Single Barb Wire Arm, Add	981.54	
For Gate With Double Barb Wire Arm, Add	1,427.70	
For Aluminized Steel Gate And Post, Add	4,283.09	
For Powder Coated Gate And Post, Add	1,873.85	
For Vinyl Coated, Add	2,676.93	
32 31 13 13-0640 EA 12' High x 20' Wide Galvanized Cantilever Sliding Gate.....	13,958.89	1,955.69
For 1" Mesh Fabric, Add	4,370.67	
For 1-1/4" Mesh Fabric, Add	2,813.31	
For 1-3/4" Mesh Fabric, Add	1,748.27	
For 2-1/8" Mesh Fabric, Deduct	-874.13	
For Gate With Single Barb Wire Arm, Add	1,105.23	
For Gate With Double Barb Wire Arm, Add	1,607.60	
For Aluminized Steel Gate And Post, Add	4,822.81	
For Powder Coated Gate And Post, Add	2,109.98	
For Vinyl Coated, Add	3,014.26	
32 31 13 13-0641 EA 12' High x 25' Wide Galvanized Cantilever Sliding Gate.....	18,142.51	2,243.29
For 1" Mesh Fabric, Add	5,940.33	
For 1-1/4" Mesh Fabric, Add	3,823.66	
For 1-3/4" Mesh Fabric, Add	2,376.13	
For 2-1/8" Mesh Fabric, Deduct	-1,188.07	
For Gate With Single Barb Wire Arm, Add	1,502.15	
For Gate With Double Barb Wire Arm, Add	2,184.95	
For Aluminized Steel Gate And Post, Add	6,554.85	
For Powder Coated Gate And Post, Add	2,867.75	
For Vinyl Coated, Add	4,096.78	
32 31 13 13-0642 EA 12' High x 30' Wide Galvanized Cantilever Sliding Gate.....	20,131.08	2,530.89
For 1" Mesh Fabric, Add	6,555.15	
For 1-1/4" Mesh Fabric, Add	4,219.41	
For 1-3/4" Mesh Fabric, Add	2,622.06	
For 2-1/8" Mesh Fabric, Deduct	-1,311.03	
For Gate With Single Barb Wire Arm, Add	1,657.62	
For Gate With Double Barb Wire Arm, Add	2,411.09	
For Aluminized Steel Gate And Post, Add	7,233.27	
For Powder Coated Gate And Post, Add	3,164.56	
For Vinyl Coated, Add	4,520.79	
32 31 13 13-0643 EA 12' High x 36' Wide Galvanized Cantilever Sliding Gate.....	22,823.74	2,760.97
For 1" Mesh Fabric, Add	7,526.29	
For 1-1/4" Mesh Fabric, Add	4,844.51	
For 1-3/4" Mesh Fabric, Add	3,010.51	
For 2-1/8" Mesh Fabric, Deduct	-1,505.26	
For Gate With Single Barb Wire Arm, Add	1,903.20	
For Gate With Double Barb Wire Arm, Add	2,768.29	
For Aluminized Steel Gate And Post, Add	8,304.87	
For Powder Coated Gate And Post, Add	3,633.38	
For Vinyl Coated, Add	5,190.54	
<b>32 31 13 13-0644 Gate Accessories</b> <small>(32 31 13 13-0265)</small>		
32 31 13 13-0645 EA Gate Center Stop, Cast Steel, Ground.....	46.25	
32 31 13 13-0646 EA Gate Latch, Malleable Galvanized Steel.....	51.83	
32 31 13 13-0647 EA Gate Keeper, Full Length, Galvanized Steel.....	241.91	
32 31 13 13-0648 EA Gate Keeper Hold-Open For Cantilever Gate.....	105.16	18.14
32 31 13 13-0649 EA Heavy Duty Gate Latch, Malleable Galvanized Steel.....	58.82	
32 31 13 13-0650 EA Gate Keeper, Full Length, Stainless Steel, Internal Locking Device With 3/4" Stainless Steel Rod For 3' To 5' High Gate.....	1,132.42	
32 31 13 13-0651 EA Gate Keeper, Full Length, Stainless Steel, Internal Locking Device With 3/4" Stainless Steel Rod For 6' To 8' High Gate.....	1,213.01	
32 31 13 13-0652 EA Gate Keeper, Full Length, Stainless Steel, Internal Locking Device With 3/4" Stainless Steel Rod For 10' To 12' High Gate.....	1,293.61	
32 31 13 13-0653 LF Aluminum V-Groove Gate Track.....	59.29	10.10
32 31 13 13-0654 LF Galvanized Steel V-Groove Gate Track.....	43.92	10.10





		<b>Exterior Improvements</b>	<b>32</b>
		Site Improvements	32 30
		Fences and Gates	32 31

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>32 31 13 13-0655 Vertical-Pivot Lift Gate</b> <small>(32 31 13 13-0265)</small>		
Note: Includes 2" diameter Schedule 40 pipe frame top and bottom bar, and 1-1/2" bracing. Includes operator. Fabric: galvanized chain link 2" mesh # 9 gauge, galvanized 1.2 ounce coating. Width listed on tasks is opening width of gate.		
32 31 13 13-0656 EA 5' High x 12' Wide Galvanized Vertical-Pivot Lift Gate.....	22,639.25	862.80
For Curb Notch, Add	239.00	
For Prewired Loop Kit, Add	245.00	
32 31 13 13-0657 EA 5' High x 14' Wide Galvanized Vertical-Pivot Lift Gate.....	22,984.37	1,035.36
For Curb Notch, Add	239.00	
For Prewired Loop Kit, Add	245.00	
32 31 13 13-0658 EA 5' High x 16' Wide Galvanized Vertical-Pivot Lift Gate.....	23,329.49	1,207.93
For Curb Notch, Add	239.00	
For Prewired Loop Kit, Add	245.00	
For Wind Bracing, Add	287.50	
32 31 13 13-0659 EA 5' High x 18' Wide Galvanized Vertical-Pivot Lift Gate.....	23,936.85	1,380.49
For Curb Notch, Add	239.00	
For Prewired Loop Kit, Add	245.00	
For Wind Bracing, Add	317.50	
32 31 13 13-0660 EA 5' High x 20' Wide Galvanized Vertical-Pivot Lift Gate.....	24,531.09	1,553.05
For Curb Notch, Add	239.00	
For Prewired Loop Kit, Add	245.00	
For Wind Bracing, Add	317.50	
32 31 13 13-0661 EA 6' High x 12' Wide Galvanized Vertical-Pivot Lift Gate.....	23,668.30	1,121.64
For Curb Notch, Add	239.00	
For Prewired Loop Kit, Add	245.00	
32 31 13 13-0662 EA 6' High x 14' Wide Galvanized Vertical-Pivot Lift Gate.....	24,013.42	1,294.20
For Curb Notch, Add	239.00	
For Prewired Loop Kit, Add	245.00	
32 31 13 13-0663 EA 6' High x 16' Wide Galvanized Vertical-Pivot Lift Gate.....	24,358.53	1,466.76
For Curb Notch, Add	239.00	
For Prewired Loop Kit, Add	245.00	
For Wind Bracing, Add	287.50	
32 31 13 13-0664 EA 6' High x 18' Wide Galvanized Vertical-Pivot Lift Gate.....	24,847.88	1,639.32
For Curb Notch, Add	239.00	
For Prewired Loop Kit, Add	245.00	
For Wind Bracing, Add	317.50	
32 31 13 13-0665 EA 6' High x 20' Wide Galvanized Vertical-Pivot Lift Gate.....	25,560.14	1,811.88
For Curb Notch, Add	239.00	
For Prewired Loop Kit, Add	245.00	
For Wind Bracing, Add	317.50	
<b>32 31 13 13-0666 Reinforced Gate</b> <small>(32 31 13 13-0265)</small>		
Note: With cross bracing, tension rods, gate keeper (full height, stainless steel rod, internal locking device, gate stop), off-set hinges, and 6 gauge fabric. Excludes gate posts.		
32 31 13 13-0667 LF Reinforced Single Gate, 4' High, Galvanized.....	594.59	11.46
For Vinyl Coated, Add	343.01	
For Powder Coated, Add	457.34	
For Aluminum Coated, Add	714.60	
32 31 13 13-0668 LF Reinforced Single Gate, 5' High, Galvanized.....	637.96	12.41
For Vinyl Coated, Add	367.88	
For Powder Coated, Add	490.51	
For Aluminum Coated, Add	766.43	
32 31 13 13-0669 LF Reinforced Single Gate, 6' High, Galvanized.....	680.82	13.84
For Vinyl Coated, Add	391.88	
For Powder Coated, Add	522.51	
For Aluminum Coated, Add	816.43	
32 31 13 13-0670 LF Reinforced Single Gate, 7' High, Galvanized.....	721.33	14.79
For Vinyl Coated, Add	415.04	
For Powder Coated, Add	553.39	
For Aluminum Coated, Add	864.68	
32 31 13 13-0671 LF Reinforced Single Gate, 8' High, Galvanized.....	763.06	16.71
For Vinyl Coated, Add	437.79	
For Powder Coated, Add	583.72	
For Aluminum Coated, Add	912.06	
32 31 13 13-0672 LF Reinforced Double Gate, 4' High, Galvanized.....	405.82	11.46
For Vinyl Coated, Add	229.75	
For Powder Coated, Add	306.33	
For Aluminum Coated, Add	478.64	
32 31 13 13-0673 LF Reinforced Double Gate, 5' High, Galvanized.....	455.64	12.41
For Vinyl Coated, Add	258.49	
For Powder Coated, Add	344.66	
For Aluminum Coated, Add	538.53	
32 31 13 13-0674 LF Reinforced Double Gate, 6' High, Galvanized.....	504.68	13.84
For Vinyl Coated, Add	286.20	
For Powder Coated, Add	381.60	
For Aluminum Coated, Add	596.25	
32 31 13 13-0675 LF Reinforced Double Gate, 7' High, Galvanized.....	648.34	14.79
For Vinyl Coated, Add	371.25	
For Powder Coated, Add	495.00	
For Aluminum Coated, Add	773.44	

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences and Gates**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
32 31 13 13-0676	LF	Reinforced Double Gate, 8' High, Galvanized.....	790.50	16.71
		<i>For Vinyl Coated, Add</i>	454.25	
		<i>For Powder Coated, Add</i>	605.67	
		<i>For Aluminum Coated, Add</i>	946.36	
32 31 13 13-0677		Accessories <small>(32 31 13 13)</small>		
32 31 13 13-0678		Barbed And Concertina Wire <small>(32 31 13 13-0677)</small>		
32 31 13 13-0679		Single Strand Barbed Wire <small>(32 31 13 13-0678)</small>		
32 31 13 13-0680	LF	Galvanized Barbed Wire, Per Strand.....	1.05	0.47
		Note: Includes clips. 4 points 12-1/2 Gauge, Class I.		
		<i>For &gt;500 To 2,000, Deduct</i>	-0.10	
		<i>For &gt;2,000, Deduct</i>	-0.15	
32 31 13 13-0681	LF	Vinyl Coated Barbed Wire (Fused), Per Strand.....	1.19	0.47
		Note: Includes clips.		
		<i>For &gt;500 To 2,000, Deduct</i>	-0.11	
		<i>For &gt;2,000, Deduct</i>	-0.16	
32 31 13 13-0682	EA	Barbed Wire Extension Arms 3 Strands (Single Arm).....	11.58	7.64
32 31 13 13-0683	EA	Barbed Wire Extension Arms 6 Strands (Double Arm).....	18.86	9.16
32 31 13 13-0684	EA	Barbed Wire Eye Tops (For Single Strand).....	11.82	7.64
32 31 13 13-0685		Galvanized Steel Concertina (Razor) Wire, Single Coil <small>(32 31 13 13-0678)</small>		
32 31 13 13-0686	LF	18" Diameter, 18" On Center Galvanized Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence.....	5.12	0.67
		<i>For &gt;500 To 1,500, Deduct</i>	-0.43	
		<i>For &gt;1,500 To 5,000, Deduct</i>	-0.86	
		<i>For &gt;5,000, Deduct</i>	-1.21	
		<i>For Ground Installation, Deduct</i>	-0.48	
		<i>For Double Coil (Helix), Add</i>	4.17	
32 31 13 13-0687	LF	18" Diameter, 12" On Center Galvanized Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain Link Fence, Per LF Of Fence.....	7.73	0.67
		<i>For &gt;500 To 1,500, Deduct</i>	-0.65	
		<i>For &gt;1,500 To 5,000, Deduct</i>	-1.30	
		<i>For &gt;5,000, Deduct</i>	-1.83	
		<i>For Ground Installation, Deduct</i>	-0.72	
		<i>For Double Coil (Helix), Add</i>	6.30	
32 31 13 13-0688	LF	18" Diameter, 9" On Center Galvanized Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link Fence, Per LF Of Fence.....	10.25	0.67
		<i>For &gt;500 To 1,500, Deduct</i>	-0.86	
		<i>For &gt;1,500 To 5,000, Deduct</i>	-1.73	
		<i>For &gt;5,000, Deduct</i>	-2.43	
		<i>For Ground Installation, Deduct</i>	-0.96	
		<i>For Double Coil (Helix), Add</i>	8.34	
32 31 13 13-0689	LF	24" Diameter, 18" On Center Galvanized Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence.....	8.97	0.67
		<i>For &gt;500 To 1,500, Deduct</i>	-0.73	
		<i>For &gt;1,500 To 5,000, Deduct</i>	-1.45	
		<i>For &gt;5,000, Deduct</i>	-2.01	
		<i>For Ground Installation, Deduct</i>	-0.53	
		<i>For Double Coil (Helix), Add</i>	7.91	
32 31 13 13-0690	LF	24" Diameter, 12" On Center Galvanized Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain Link Fence, Per LF Of Fence.....	13.56	0.67
		<i>For &gt;500 To 1,500, Deduct</i>	-1.10	
		<i>For &gt;1,500 To 5,000, Deduct</i>	-2.19	
		<i>For &gt;5,000, Deduct</i>	-3.03	
		<i>For Ground Installation, Deduct</i>	-0.80	
		<i>For Double Coil (Helix), Add</i>	11.97	
32 31 13 13-0691	LF	24" Diameter, 9" On Center Galvanized Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link Fence, Per LF Of Fence.....	17.91	0.67
		<i>For &gt;500 To 1,500, Deduct</i>	-1.45	
		<i>For &gt;1,500 To 5,000, Deduct</i>	-2.90	
		<i>For &gt;5,000, Deduct</i>	-4.00	
		<i>For Ground Installation, Deduct</i>	-1.05	
		<i>For Double Coil (Helix), Add</i>	15.81	
32 31 13 13-0692	LF	30" Diameter, 18" On Center Galvanized Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence.....	29.28	0.67
		<i>For &gt;500 To 1,500, Deduct</i>	-2.26	
		<i>For &gt;1,500 To 5,000, Deduct</i>	-4.51	
		<i>For &gt;5,000, Deduct</i>	-6.10	
		<i>For Ground Installation, Deduct</i>	-0.60	
		<i>For Double Coil (Helix), Add</i>	28.09	
32 31 13 13-0693	LF	30" Diameter, 12" On Center Galvanized Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain Link Fence, Per LF Of Fence.....	44.31	0.67
		<i>For &gt;500 To 1,500, Deduct</i>	-3.41	
		<i>For &gt;1,500 To 5,000, Deduct</i>	-6.83	
		<i>For &gt;5,000, Deduct</i>	-9.22	
		<i>For Ground Installation, Deduct</i>	-0.90	
		<i>For Double Coil (Helix), Add</i>	42.52	



<b>Exterior Improvements</b>	<b>32</b>	<b>32</b>
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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0694 LF 30" Diameter, 9" On Center Galvanized Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link Fence, Per LF Of Fence	58.55	0.67
<i>For &gt;500 To 1,500, Deduct</i>	-4.51	
<i>For &gt;1,500 To 5,000, Deduct</i>	-9.02	
<i>For &gt;5,000, Deduct</i>	-12.19	
<i>For Ground Installation, Deduct</i>	-1.20	
<i>For Double Coil (Helix), Add</i>	56.16	
<b>32 31 13 13-0695 Stainless Steel Concertina (Razor) Wire, Single Coil</b> <small>(32 31 13 13-0678)</small>		
32 31 13 13-0696 LF 18" Diameter, 18" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence	9.73	0.67
<i>For &gt;500 To 1,500, Deduct</i>	-0.78	
<i>For &gt;1,500 To 5,000, Deduct</i>	-1.55	
<i>For &gt;5,000, Deduct</i>	-2.14	
<i>For Ground Installation, Deduct</i>	-0.48	
<i>For Double Coil (Helix), Add</i>	8.78	
32 31 13 13-0697 LF 18" Diameter, 12" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain Link Fence, Per LF Of Fence	14.73	0.67
<i>For &gt;500 To 1,500, Deduct</i>	-1.18	
<i>For &gt;1,500 To 5,000, Deduct</i>	-2.35	
<i>For &gt;5,000, Deduct</i>	-3.23	
<i>For Ground Installation, Deduct</i>	-0.72	
<i>For Double Coil (Helix), Add</i>	13.30	
32 31 13 13-0698 LF 18" Diameter, 9" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link Fence, Per LF Of Fence	19.48	0.67
<i>For &gt;500 To 1,500, Deduct</i>	-1.56	
<i>For &gt;1,500 To 5,000, Deduct</i>	-3.11	
<i>For &gt;5,000, Deduct</i>	-4.28	
<i>For Ground Installation, Deduct</i>	-0.96	
<i>For Double Coil (Helix), Add</i>	17.57	
32 31 13 13-0699 LF 24" Diameter, 18" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence	12.89	0.67
<i>For &gt;500 To 1,500, Deduct</i>	-1.02	
<i>For &gt;1,500 To 5,000, Deduct</i>	-2.04	
<i>For &gt;5,000, Deduct</i>	-2.79	
<i>For Ground Installation, Deduct</i>	-0.53	
<i>For Double Coil (Helix), Add</i>	11.83	
32 31 13 13-0700 LF 24" Diameter, 12" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain Link Fence, Per LF Of Fence	19.50	0.67
<i>For &gt;500 To 1,500, Deduct</i>	-1.54	
<i>For &gt;1,500 To 5,000, Deduct</i>	-3.08	
<i>For &gt;5,000, Deduct</i>	-4.22	
<i>For Ground Installation, Deduct</i>	-0.80	
<i>For Double Coil (Helix), Add</i>	17.91	
32 31 13 13-0701 LF 24" Diameter, 9" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link Fence, Per LF Of Fence	25.75	0.67
<i>For &gt;500 To 1,500, Deduct</i>	-2.04	
<i>For &gt;1,500 To 5,000, Deduct</i>	-4.07	
<i>For &gt;5,000, Deduct</i>	-5.57	
<i>For Ground Installation, Deduct</i>	-1.05	
<i>For Double Coil (Helix), Add</i>	23.65	
32 31 13 13-0702 LF 30" Diameter, 18" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence	44.10	0.67
<i>For &gt;500 To 1,500, Deduct</i>	-3.37	
<i>For &gt;1,500 To 5,000, Deduct</i>	-6.73	
<i>For &gt;5,000, Deduct</i>	-9.06	
<i>For Ground Installation, Deduct</i>	-0.60	
<i>For Double Coil (Helix), Add</i>	42.91	
32 31 13 13-0703 LF 30" Diameter, 12" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain Link Fence, Per LF Of Fence	66.77	0.67
<i>For &gt;500 To 1,500, Deduct</i>	-5.10	
<i>For &gt;1,500 To 5,000, Deduct</i>	-10.19	
<i>For &gt;5,000, Deduct</i>	-13.71	
<i>For Ground Installation, Deduct</i>	-0.90	
<i>For Double Coil (Helix), Add</i>	64.98	
32 31 13 13-0704 LF 30" Diameter, 9" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link Fence, Per LF Of Fence	88.19	0.67
<i>For &gt;500 To 1,500, Deduct</i>	-6.73	
<i>For &gt;1,500 To 5,000, Deduct</i>	-13.47	
<i>For &gt;5,000, Deduct</i>	-18.12	
<i>For Ground Installation, Deduct</i>	-1.20	
<i>For Double Coil (Helix), Add</i>	85.80	
<b>32 31 13 13-0705 Grounding For Gates</b> <small>(32 31 13 13-0677)</small>		
Note: Includes two of each of the following per opening: 5/8 ground rods, clamps, braided straps and #6 bare copper wire.		
32 31 13 13-0706 OPNG Grounding For Gates (Per Opening)	437.87	
<b>32 31 13 13-0707 Coiled Spring Reinforcing Wire</b> <small>(32 31 13 13-0677)</small>		
<b>32 31 13 13-0708 Galvanized Steel</b> <small>(32 31 13 13-0707)</small>		
32 31 13 13-0709 LF 7 Gauge, Galvanized Steel, Reinforcing Wire Coiled Spring	1.16	0.47

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences and Gates**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
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32 31 13 13-0710	Vinyl Coated Steel <small>(32 31 13 13-0707)</small>		
32 31 13 13-0711	LF 9 Gauge, Vinyl Coated Steel, Reinforcing Wire Coiled Spring.....	1.16	0.47
32 31 13 13-0712	Bending Of Fabric Around Pipe Railings <small>(32 31 13 13-0677)</small>		
	Note: Only where specified.		
32 31 13 13-0713	LF Bend Chain Link Fence Fabric Around Pipe Railing, Top.....	1.48	
32 31 13 13-0714	LF Bend Chain Link Fence Fabric Around Pipe Railing, Bottom.....	1.29	
32 31 13 13-0715	Mounting Plate With Anchors Or Bolts <small>(32 31 13 13-0677)</small>		
	Note: For drilling for anchor or bolts, installing post on or against flat surface.		
32 31 13 13-0716	EA Mounting Plate For 1-5/8" Diameter Post.....	44.96	
32 31 13 13-0717	EA Mounting Plate For 2" Diameter Post.....	45.74	
32 31 13 13-0718	EA Mounting Plate For 2-1/2" Diameter Post.....	46.98	
32 31 13 13-0719	EA Mounting Plate For 3" Diameter Post.....	56.85	
32 31 13 13-0720	EA Mounting Plate For 4" Diameter Post.....	65.54	
32 31 13 13-0721	EA Mounting Plate For 6-5/8" Diameter Post.....	76.15	
32 31 13 13-0722	EA Mounting Plate For 8-5/8" Diameter Post.....	90.00	
32 31 13 13-0723	Tension Bar <small>(32 31 13 13-0677)</small>		
32 31 13 13-0724	EA 3' Long x 5/8" Wide x 3/16" Thick Galvanized Steel Tension Bar.....	15.77	
32 31 13 13-0725	EA 3-1/2' Long x 5/8" Wide x 3/16" Thick Galvanized Steel Tension Bar.....	16.79	
32 31 13 13-0726	EA 4' Long x 3/4" Wide x 3/16" Thick Galvanized Steel Tension Bar.....	20.85	
32 31 13 13-0727	EA 5' Long x 3/4" Wide x 3/16" Thick Galvanized Steel Tension Bar.....	24.22	
32 31 13 13-0728	EA 6' Long x 3/4" Wide x 3/16" Thick Galvanized Steel Tension Bar.....	28.71	
32 31 13 13-0729	EA 7' Long x 3/4" Wide x 3/16" Thick Galvanized Steel Tension Bar.....	33.39	
32 31 13 13-0730	EA 8' Long x 3/4" Wide x 3/16" Thick Galvanized Steel Tension Bar.....	37.77	
32 31 13 13-0731	EA 9' Long x 3/4" Wide x 3/16" Thick Galvanized Steel Tension Bar.....	45.47	
32 31 13 13-0732	EA 10' Long x 3/4" Wide x 3/16" Thick Galvanized Steel Tension Bar.....	54.44	
32 31 13 13-0733	Truss Rods <small>(32 31 13 13-0677)</small>		
32 31 13 13-0734	LF 3/8" Diameter Truss Rods.....	2.13	0.52
32 31 13 13-0735	Fence And Gate Repair And Replacement <small>(32 31 13 13)</small>		
32 31 13 13-0736	Fence And Gate Parts Replacement <small>(32 31 13 13-0735)</small>		
32 31 13 13-0737	EA Cantilever Roller Assembly, Ball Bearing With Fittings, Replacement.....	126.85	
32 31 13 13-0738	EA Sliding Gate Roller Assembly Replacement.....	123.15	
32 31 13 13-0739	EA Rod And Lock Gate Keeper Replacement.....	126.99	
32 31 13 13-0740	EA Galvanized Gate Holdback Replacement.....	27.00	
32 31 13 13-0741	LF 3/8" Cross Bracing Rod Replacement.....	1.61	
32 31 13 13-0742	LF 1-5/8" Diagonal Pipe Bracing Replacement.....	2.54	
32 31 13 13-0743	EA 2-3/8" To 2-1/2" Diameter Galvanized Steel Gate Hinge With Bolts, Replacement.....	27.62	
32 31 13 13-0744	EA 2-7/8" To 3" Diameter Galvanized Steel Gate Hinge With Bolts, Replacement.....	31.42	
32 31 13 13-0745	EA 3-1/2" To 4" Diameter Galvanized Steel Gate Hinge With Bolts, Replacement.....	35.37	
32 31 13 13-0746	EA 6-1/2" To 6-5/8" Diameter Galvanized Steel Gate Hinge With Bolts, Replacement.....	52.83	
32 31 13 13-0747	EA 8-5/8" Diameter Galvanized Steel Gate Hinge With Bolts, Replacement.....	128.58	
32 31 13 13-0748	EA 2-1/2" x 2" Off Set Gate Hinge Replacement.....	25.80	
32 31 13 13-0749	EA 3" x 2" Off Set Gate Hinge Replacement.....	26.91	
32 31 13 13-0750	EA 4" x 2" Off Set Gate Hinge Replacement.....	28.69	
32 31 13 13-0751	EA 6-5/8" x 2" Off Set Gate Hinge Replacement.....	47.78	
32 31 13 13-0752	EA 8-5/8" x 2" Off Set Gate Hinge Replacement.....	76.15	
32 31 13 13-0753	EA 1-5/8" Aluminum Die-Cast Post Cap Replacement.....	5.55	
32 31 13 13-0754	EA 2" Aluminum Die-Cast Post Cap Replacement.....	6.09	
32 31 13 13-0755	EA 2-1/2" Aluminum Die-Cast Post Cap Replacement.....	7.15	
32 31 13 13-0756	EA 3" Aluminum Die-Cast Post Cap Replacement.....	8.38	
32 31 13 13-0757	EA 2" Galvanized Post Cap Replacement.....	6.19	
32 31 13 13-0758	EA 2-1/2" Galvanized Post Cap Replacement.....	6.69	
32 31 13 13-0759	EA 3" Galvanized Post Cap Replacement.....	7.69	
32 31 13 13-0760	EA 4" Galvanized Post Cap Replacement.....	11.66	
32 31 13 13-0761	EA 6-5/8" Galvanized Post Cap Replacement.....	22.59	
32 31 13 13-0762	EA 8-5/8" Galvanized Post Cap Replacement.....	37.39	
32 31 13 13-0763	EA 1-5/8" Boulevard Clamp Replacement.....	10.23	
32 31 13 13-0764	EA 2" Boulevard Clamp Replacement.....	12.49	
32 31 13 13-0765	EA 2-1/2" Boulevard Clamp Replacement.....	14.64	
32 31 13 13-0766	EA 3" Boulevard Clamp Replacement.....	17.77	
32 31 13 13-0767	EA 1-5/8" Gate Brace Or End Rail Clamp Replacement.....	10.01	
32 31 13 13-0768	EA 2" Gate Brace Or End Rail Clamp Replacement.....	12.18	
32 31 13 13-0769	EA 2-1/2" Gate Brace Or End Rail Clamp Replacement.....	14.34	
32 31 13 13-0770	EA 3" Gate Brace Or End Rail Clamp Replacement.....	17.45	
32 31 13 13-0771	EA 1-3/8" Heavy Duty Galvanized Tension Band With Bolt, Replacement.....	10.50	
32 31 13 13-0772	EA 1-5/8" Heavy Duty Galvanized Tension Band With Bolt, Replacement.....	10.60	
32 31 13 13-0773	EA 2" Heavy Duty Galvanized Tension Band With Bolt, Replacement.....	10.86	
32 31 13 13-0774	EA 2-1/2" Heavy Duty Galvanized Tension Band With Bolt, Replacement.....	10.74	
32 31 13 13-0775	EA 3" Heavy Duty Galvanized Tension Band With Bolt, Replacement.....	10.94	



<b>Exterior Improvements</b>	<b>32</b>	<b>32</b>
Site Improvements	32 30	
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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0776 EA 3-1/2" Heavy Duty Galvanized Tension Band With Bolt, Replacement.....	11.10	
32 31 13 13-0777 EA 4" Heavy Duty Galvanized Tension Band With Bolt, Replacement.....	11.57	
32 31 13 13-0778 EA 6-5/8" Heavy Duty Galvanized Tension Band With Bolt, Replacement.....	15.00	
<b>32 31 13 13-0779 Removal And Reinstallation Of Chain Link Fences (32 31 13 13)</b> Note: Includes removal, storage, cleaning and reinstallation of fence fabric, rails and other components. Excludes post work.		
32 31 13 13-0780 LF Removal And Reinstallation Of Chain Link Fence Up To 5' Height .....	19.09	
32 31 13 13-0781 LF Removal And Reinstallation Of Chain Link Fence 6' To 12' Height .....	28.64	
<b>32 31 13 33 Chain Link Backstops (32 31 13)</b>		
<b>32 31 13 33-0001 Regulation Baseball Backstop (32 31 13 33)</b> See CSI section 32 31 13 13-0001 for auguring holes and concrete.		
32 31 13 33-0002 EA 20'-6" Wide x 13' High Baseball Backstop Prefabricated With Hood, Galvanized .....	12,724.56	1,873.35
32 31 13 33-0003 EA 34' Wide x 17'-6" High Baseball Backstop Prefabricated With Hood, Galvanized .....	18,423.41	2,497.80
32 31 13 33-0004 EA 48'-3-1/2" Wide x 24' High Baseball Backstop Prefabricated With Hood, Galvanized .....	23,569.56	2,914.10
32 31 13 33-0005 EA 20'-6" Wide x 13' High Baseball Backstop Prefabricated With Hood, Vinyl Coated .....	18,113.38	1,873.35
32 31 13 33-0006 EA 34' Wide x 17'-6" High Baseball Backstop Prefabricated With Hood, Vinyl Coated .....	26,486.79	2,497.80
32 31 13 33-0007 EA 48'-3-1/2" Wide x 24' High Baseball Backstop Prefabricated With Hood, Vinyl Coated .....	34,210.45	2,914.10
<b>32 31 13 33-0008 Regulation Softball Backstop (32 31 13 33)</b> See CSI section 32 31 13 13-0001 for auguring holes and concrete.		
<b>32 31 13 33-0009 14' High Softball Backstop (32 31 13 33-0008)</b> Note: Includes 3" outside diameter posts every 8', top, middle, and bottom brace rails, overhang panel with 9 gauge mesh and 1-1/8" outside diameter frame, 16' of 6 gauge mesh and 32' of 9 gauge mesh.		
32 31 13 33-0010 EA 14' Softball Backstop, Galvanized Regulation .....	10,887.58	2,000.67
32 31 13 33-0011 EA 14' Softball Backstop, Vinyl Coated Regulation .....	14,752.54	2,000.67
<b>32 31 13 33-0012 18' High Softball Backstop (32 31 13 33-0008)</b> Note: Includes 3" outside diameter posts every 8', top, middle, and bottom brace rails, overhang panel with 9 gauge mesh and 1-1/8" outside diameter frame, 16' of 6 gauge mesh and 32' of 9 gauge mesh.		
32 31 13 33-0013 EA 18' Softball Backstop, Galvanized Regulation .....	12,734.89	2,224.19
32 31 13 33-0014 EA 18' Softball Backstop Vinyl Coated Regulation .....	17,410.23	2,224.19
<b>32 31 13 33-0015 20' High Softball Backstop (32 31 13 33-0008)</b> Note: Includes 3" outside diameter posts every 8', top, middle, and bottom brace rails, overhang panel with 9 gauge mesh and 1-1/8" outside diameter frame, 16' of 6 gauge mesh and 32' of 9 gauge mesh.		
32 31 13 33-0016 EA 20' Softball Backstop, Galvanized Regulation .....	14,458.13	2,345.10
32 31 13 33-0017 EA 20' Softball Backstop, Vinyl Coated Regulation .....	20,006.26	2,345.10
<b>32 31 13 33-0018 22' High Softball Backstop (32 31 13 33-0008)</b> Note: Includes 3" outside diameter posts every 8', top, middle, and bottom brace rails, overhang panel with 9 gauge mesh and 1-1/8" outside diameter frame, 16' of 6 gauge mesh and 32' of 9 gauge mesh.		
32 31 13 33-0019 EA 22' Softball Backstop, Galvanized Regulation .....	16,694.64	2,415.85
32 31 13 33-0020 EA 22' Softball Backstop, Vinyl Coated Regulation .....	23,364.80	2,415.85
<b>32 31 13 33-0021 24' High Softball Backstop (32 31 13 33-0008)</b> Note: Includes 3" outside diameter posts every 8', top, middle, and bottom brace rails, overhang panel with 9 gauge mesh and 1-1/8" outside diameter frame, 16' of 6 gauge mesh and 32' of 9 gauge mesh.		
32 31 13 33-0022 EA 24' Softball Backstop, Galvanized Regulation .....	19,921.17	2,760.97
32 31 13 33-0023 EA 24' Softball Backstop, Vinyl Coated Regulation .....	28,212.11	2,760.97
<b>32 31 16 Welded Wire Fences and Gates (32 31)</b>		
<b>32 31 16 00-0001 Welded Wire Fence (32 31 16)</b>		
<b>32 31 16 00-0002 12 Gauge Galvanized Steel Welded Wire Fence, 2" x 4" Mesh (32 31 16 00-0001)</b> Note: Posts 5' on center.		
32 31 16 00-0003 LF 3' High, 12 Gauge Galvanized Steel Welded Wire Fence, 2" x 4" Mesh, Posts At 5'.....	9.38	1.67
32 31 16 00-0004 LF 5' High, 12 Gauge Galvanized Steel Welded Wire Fence, 2" x 4" Mesh, Posts At 5'.....	10.18	1.67
<b>32 31 16 00-0005 14 Gauge Galvanized Steel Welded Wire Fence, 1" x 2" Mesh (32 31 16 00-0001)</b> Note: Posts 5' on center.		
32 31 16 00-0006 LF 3' High, 14 Gauge Galvanized Steel Welded Wire Fence, 1" x 2" Mesh, Posts At 5'.....	9.22	1.67
32 31 16 00-0007 LF 5' High, 14 Gauge Galvanized Steel Welded Wire Fence, 1" x 2" Mesh, Posts At 5'.....	9.93	1.67
<b>32 31 19 Decorative Metal Fences and Gates (32 31)</b> See CSI section 32 31 13 13-0001 for drilling and grouting.		
<b>32 31 19 00-0001 Wrought Iron Fence (32 31 19)</b> Note: Factory primed.		

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences and Gates**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0002			<b>Wrought Iron Fence, 3/4" Verticals At &gt;3" To 4" On Center</b> (32 31 19 00-0001) Note: Factory primed 8 foot long panel sections.		
32 31 19 00-0003	LF		3' High Wrought Iron Fence, Verticals At >3" To 4" On Center With 2" Square Posts, Set 8' On Center.....	50.61	10.50
			For 6' Length Fence Panels With Posts Set 6' O.C., Add	9.06	
			For Verticals Up To 2" On Center, Add	9.48	
			For Verticals >2" To 2-1/2" On Center, Add	5.92	
			For Verticals >2-1/2" To 3" On Center, Add	2.37	
			For Verticals >4" To 6" On Center, Deduct	-2.66	
			For Pickets Extending Above Top Rail, Add	4.75	
			For Curved Pickets Extending Above Top Rail, Add	11.20	
32 31 19 00-0004	LF		4' High Wrought Iron Fence, Verticals At >3" To 4" On Center With 2" Square Posts, Set 8' On Center.....	65.04	13.36
			For 6' Length Fence Panels With Posts Set 6' O.C., Add	11.56	
			For Verticals Up To 2" On Center, Add	12.56	
			For Verticals >2" To 2-1/2" On Center, Add	7.85	
			For Verticals >2-1/2" To 3" On Center, Add	3.14	
			For Verticals >4" To 6" On Center, Deduct	-3.53	
			For Pickets Extending Above Top Rail, Add	6.20	
			For Curved Pickets Extending Above Top Rail, Add	14.69	
32 31 19 00-0005	LF		5' High Wrought Iron Fence, Verticals At >3" To 4" On Center With 2" Square Posts, Set 8' On Center.....	77.55	13.94
			For 6' Length Fence Panels With Posts Set 6' O.C., Add	13.60	
			For Verticals Up To 2" On Center, Add	15.84	
			For Verticals >2" To 2-1/2" On Center, Add	9.90	
			For Verticals >2-1/2" To 3" On Center, Add	3.96	
			For Verticals >4" To 6" On Center, Deduct	-4.45	
			For Pickets Extending Above Top Rail, Add	7.59	
			For Curved Pickets Extending Above Top Rail, Add	18.19	
32 31 19 00-0006	LF		6' High Wrought Iron Fence, Verticals At >3" To 4" On Center With 2" Square Posts, Set 8' On Center.....	93.93	16.80
			For 6' Length Fence Panels With Posts Set 6' O.C., Add	16.45	
			For Verticals Up To 2" On Center, Add	19.28	
			For Verticals >2" To 2-1/2" On Center, Add	12.05	
			For Verticals >2-1/2" To 3" On Center, Add	4.82	
			For Verticals >4" To 6" On Center, Deduct	-5.42	
			For Pickets Extending Above Top Rail, Add	9.22	
			For Curved Pickets Extending Above Top Rail, Add	22.11	
32 31 19 00-0007	LF		7' High Wrought Iron Fence, Verticals At >3" To 4" On Center With 2" Square Posts, Set 8' On Center.....	110.44	17.78
			For 6' Length Fence Panels With Posts Set 6' O.C., Add	19.06	
			For Verticals Up To 2" On Center, Add	23.96	
			For Verticals >2" To 2-1/2" On Center, Add	14.98	
			For Verticals >2-1/2" To 3" On Center, Add	5.99	
			For Verticals >4" To 6" On Center, Deduct	-6.74	
			For Pickets Extending Above Top Rail, Add	11.14	
			For Curved Pickets Extending Above Top Rail, Add	27.00	
32 31 19 00-0008	LF		8' High Wrought Iron Fence, Verticals At >3" To 4" On Center With 3" Square Posts, Set 8' On Center.....	126.93	18.71
			For 6' Length Fence Panels With Posts Set 6' O.C., Add	21.66	
			For Verticals Up To 2" On Center, Add	28.65	
			For Verticals >2" To 2-1/2" On Center, Add	17.90	
			For Verticals >2-1/2" To 3" On Center, Add	7.16	
			For Verticals >4" To 6" On Center, Deduct	-8.06	
			For Pickets Extending Above Top Rail, Add	13.06	
			For Curved Pickets Extending Above Top Rail, Add	31.90	
32 31 19 00-0009	LF		10' High Wrought Iron Fence, Verticals At >3" To 4" On Center With 3" Square Posts, Set 8' On Center.....	154.76	21.00
			For 6' Length Fence Panels With Posts Set 6' O.C., Add	26.15	
			For Verticals Up To 2" On Center, Add	36.08	
			For Verticals >2" To 2-1/2" On Center, Add	22.55	
			For Verticals >2-1/2" To 3" On Center, Add	9.02	
			For Verticals >4" To 6" On Center, Deduct	-10.15	
			For Pickets Extending Above Top Rail, Add	16.20	
			For Curved Pickets Extending Above Top Rail, Add	39.80	
32 31 19 00-0010	LF		12' High Wrought Iron Fence, Verticals At >3" To 4" On Center With 3" Square Posts, Set 8' On Center.....	183.13	23.86
			For 6' Length Fence Panels With Posts Set 6' O.C., Add	30.81	
			For Verticals Up To 2" On Center, Add	43.33	
			For Verticals >2" To 2-1/2" On Center, Add	27.08	
			For Verticals >2-1/2" To 3" On Center, Add	10.83	
			For Verticals >4" To 6" On Center, Deduct	-12.19	
			For Pickets Extending Above Top Rail, Add	19.31	
			For Curved Pickets Extending Above Top Rail, Add	47.58	
32 31 19 00-0011			<b>Wrought Iron Gates</b> (32 31 19 00-0001) Note: Factory primed.		
32 31 19 00-0012			<b>Single Wrought Iron Gates</b> (32 31 19 00-0011) Note: Factory primed.		
32 31 19 00-0013	LF		3' Single Wrought Iron Gate, Hardware And Associated Trim .....	62.43	12.79
32 31 19 00-0014	LF		4' Single Wrought Iron Gate, Hardware And Associated Trim .....	81.94	15.84
32 31 19 00-0015	LF		5' Single Wrought Iron Gate, Hardware And Associated Trim .....	100.26	19.09
32 31 19 00-0016	LF		6' Single Wrought Iron Gate, Hardware And Associated Trim .....	121.90	22.91
32 31 19 00-0017	LF		8' Single Wrought Iron Gate, Hardware And Associated Trim .....	164.45	25.39
32 31 19 00-0018	LF		10' Single Wrought Iron Gate, Hardware And Associated Trim .....	199.53	28.06
32 31 19 00-0019	LF		12' Single Wrought Iron Gate, Hardware And Associated Trim .....	233.96	31.88
32 31 19 00-0020			<b>Double Wrought Iron Gates</b> (32 31 19 00-0011) Note: Factory primed.		
32 31 19 00-0021	LF		3' Double Wrought Iron Gate, Hardware And Associated Trim .....	76.42	11.46
32 31 19 00-0022	LF		4' Double Wrought Iron Gate, Hardware And Associated Trim .....	100.39	14.32



<b>Exterior Improvements</b>	<b>32</b>	<b>32</b>
Site Improvements	32 30	
Fences and Gates	32 31	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0023	LF	5' Double Wrought Iron Gate, Hardware And Associated Trim.....	122.35	17.18
32 31 19 00-0024	LF	6' Double Wrought Iron Gate, Hardware And Associated Trim.....	148.36	20.62
32 31 19 00-0025	LF	8' Double Wrought Iron Gate, Hardware And Associated Trim.....	201.04	22.91
32 31 19 00-0026	LF	10' Double Wrought Iron Gate, Hardware And Associated Trim.....	244.37	25.20
32 31 19 00-0027	LF	12' Double Wrought Iron Gate, Hardware And Associated Trim.....	287.01	28.64
<b>32 31 19 00-0028</b>		<b>Repair Or Replace Wrought Iron Fence</b> (32 31 19 00-0001)		
32 31 19 00-0029	LF	Removal And Replacement Of Wrought Iron Picket.....	19.14	
32 31 19 00-0030	LF	Removal And Replacement Of Wrought Iron Post.....	28.75	
32 31 19 00-0031	EA	Straighten Wrought Iron Post.....	76.36	
<b>32 31 19 00-0032</b>		<b>Steel Tube Fence, Powder Coated</b> (32 31 19)		
		Note: Pickets are 3/4" square x 16 gauge.		
<b>32 31 19 00-0033</b>		<b>Steel Tube Fence, 2 Rail</b> (32 31 19 00-0032)		
		Note: 6 foot long panel sections.		
32 31 19 00-0034	LF	3' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 2-1/2" Square Posts .....	71.19	10.50
		For Verticals Up To 2" On Center, Add	10.12	
		For Verticals >2" To 2-1/2" On Center, Add	5.06	
		For Verticals >3" To 4" On Center, Deduct	-5.06	
		For Verticals >4" To 6" On Center, Deduct	-10.12	
		For Pickets Extending Above Top Rail, Add	5.33	
		For Curved Pickets Extending Above Top Rail, Add	9.39	
		For Solid Pickets, Add	14.47	
		For Aluminum With Satin Finish, Add	12.10	
		For Third Rail, Add	3.80	
		For 1" Square x 14 Gauge Pickets, Add	12.65	
		For 3" Square Posts, Add	6.33	
32 31 19 00-0035	LF	3'-6" Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 2-1/2" Square Posts .....	76.15	11.23
		For Verticals Up To 2" On Center, Add	10.74	
		For Verticals >2" To 2-1/2" On Center, Add	5.37	
		For Verticals >3" To 4" On Center, Deduct	-5.37	
		For Verticals >4" To 6" On Center, Deduct	-10.74	
		For Pickets Extending Above Top Rail, Add	5.69	
		For Curved Pickets Extending Above Top Rail, Add	10.01	
		For Solid Pickets, Add	15.45	
		For Aluminum With Satin Finish, Add	12.74	
		For Third Rail, Add	4.03	
		For 1" Square x 14 Gauge Pickets, Add	13.43	
		For 3" Square Posts, Add	6.71	
32 31 19 00-0036	LF	4' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 2-1/2" Square Posts .....	80.54	12.41
		For Verticals Up To 2" On Center, Add	11.24	
		For Verticals >2" To 2-1/2" On Center, Add	5.62	
		For Verticals >3" To 4" On Center, Deduct	-5.62	
		For Verticals >4" To 6" On Center, Deduct	-11.24	
		For Pickets Extending Above Top Rail, Add	5.99	
		For Curved Pickets Extending Above Top Rail, Add	10.54	
		For Solid Pickets, Add	16.30	
		For Aluminum With Satin Finish, Add	13.22	
		For Third Rail, Add	4.22	
		For 1" Square x 14 Gauge Pickets, Add	14.06	
		For 3" Square Posts, Add	7.03	
32 31 19 00-0037	LF	5' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 2-1/2" Square Posts .....	85.69	13.94
		For Verticals Up To 2" On Center, Add	11.53	
		For Verticals >2" To 2-1/2" On Center, Add	5.76	
		For Verticals >3" To 4" On Center, Deduct	-5.76	
		For Verticals >4" To 6" On Center, Deduct	-11.53	
		For Pickets Extending Above Top Rail, Add	6.30	
		For Curved Pickets Extending Above Top Rail, Add	11.04	
		For Solid Pickets, Add	17.18	
		For Aluminum With Satin Finish, Add	13.08	
		For Third Rail, Add	4.32	
		For 1" Square x 14 Gauge Pickets, Add	14.41	
		For 3" Square Posts, Add	7.20	
32 31 19 00-0038	LF	6' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 2-1/2" Square Posts .....	99.42	15.75
		For Verticals Up To 2" On Center, Add	13.58	
		For Verticals >2" To 2-1/2" On Center, Add	6.79	
		For Verticals >3" To 4" On Center, Deduct	-6.79	
		For Verticals >4" To 6" On Center, Deduct	-13.58	
		For Pickets Extending Above Top Rail, Add	7.35	
		For Curved Pickets Extending Above Top Rail, Add	12.89	
		For Solid Pickets, Add	20.01	
		For Aluminum With Satin Finish, Add	15.65	
		For Third Rail, Add	5.09	
		For 1" Square x 14 Gauge Pickets, Add	16.98	
		For 3" Square Posts, Add	8.49	

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences and Gates**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0039 LF 7' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 3" Square Posts.....	113.94	17.18
For Verticals Up To 2" On Center, Add	15.92	
For Verticals >2" To 2-1/2" On Center, Add	7.96	
For Verticals >3" To 4" On Center, Deduct	-7.96	
For Verticals >4" To 6" On Center, Deduct	-15.92	
For Pickets Extending Above Top Rail, Add	8.48	
For Curved Pickets Extending Above Top Rail, Add	14.91	
For Solid Pickets, Add	23.06	
For Aluminum With Satin Finish, Add	18.72	
For Third Rail, Add	5.97	
For 1" Square x 14 Gauge Pickets, Add	19.90	
For 4" Square Posts, Add	27.85	
32 31 19 00-0040 LF 8' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 3" Square Posts.....	128.64	18.71
For Verticals Up To 2" On Center, Add	18.25	
For Verticals >2" To 2-1/2" On Center, Add	9.12	
For Verticals >3" To 4" On Center, Deduct	-9.12	
For Verticals >4" To 6" On Center, Deduct	-18.25	
For Pickets Extending Above Top Rail, Add	9.63	
For Curved Pickets Extending Above Top Rail, Add	16.95	
For Solid Pickets, Add	26.14	
For Aluminum With Satin Finish, Add	21.76	
For Third Rail, Add	6.84	
For 1" Square x 14 Gauge Pickets, Add	22.81	
For 4" Square Posts, Add	31.93	
32 31 19 00-0041 LF 9' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 3" Square Posts.....	149.79	20.04
For Verticals Up To 2" On Center, Add	21.94	
For Verticals >2" To 2-1/2" On Center, Add	10.97	
For Verticals >3" To 4" On Center, Deduct	-10.97	
For Verticals >4" To 6" On Center, Deduct	-21.94	
For Pickets Extending Above Top Rail, Add	11.33	
For Curved Pickets Extending Above Top Rail, Add	20.01	
For Solid Pickets, Add	30.70	
For Aluminum With Satin Finish, Add	26.90	
For Third Rail, Add	8.23	
For 1" Square x 14 Gauge Pickets, Add	27.43	
For 4" Square Posts, Add	38.40	
32 31 19 00-0042 LF 10' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 4" Square Posts.....	171.12	21.48
For Verticals Up To 2" On Center, Add	25.63	
For Verticals >2" To 2-1/2" On Center, Add	12.82	
For Verticals >3" To 4" On Center, Deduct	-12.82	
For Verticals >4" To 6" On Center, Deduct	-25.63	
For Pickets Extending Above Top Rail, Add	13.04	
For Curved Pickets Extending Above Top Rail, Add	23.09	
For Solid Pickets, Add	35.28	
For Aluminum With Satin Finish, Add	32.01	
For Third Rail, Add	9.61	
For 1" Square x 14 Gauge Pickets, Add	32.04	
For 6" Square Posts, Add	44.86	
32 31 19 00-0043 LF 12' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 4" Square Posts.....	201.75	23.86
For Verticals Up To 2" On Center, Add	30.80	
For Verticals >2" To 2-1/2" On Center, Add	15.40	
For Verticals >3" To 4" On Center, Deduct	-15.40	
For Verticals >4" To 6" On Center, Deduct	-30.80	
For Pickets Extending Above Top Rail, Add	15.48	
For Curved Pickets Extending Above Top Rail, Add	27.45	
For Solid Pickets, Add	41.81	
For Aluminum With Satin Finish, Add	39.05	
For Third Rail, Add	11.55	
For 1" Square x 14 Gauge Pickets, Add	38.51	
For 6" Square Posts, Add	53.91	
32 31 19 00-0044 LF 14' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 4" Square Posts.....	216.08	25.77
For Verticals Up To 2" On Center, Add	32.91	
For Verticals >2" To 2-1/2" On Center, Add	16.45	
For Verticals >3" To 4" On Center, Deduct	-16.45	
For Verticals >4" To 6" On Center, Deduct	-32.91	
For Pickets Extending Above Top Rail, Add	16.56	
For Curved Pickets Extending Above Top Rail, Add	29.37	
For Solid Pickets, Add	44.75	
For Aluminum With Satin Finish, Add	41.63	
For Third Rail, Add	12.34	
For 1" Square x 14 Gauge Pickets, Add	41.13	
For 6" Square Posts, Add	57.59	
32 31 19 00-0045 Steel Tube Swing Gates <small>(32 31 19 00-0032)</small>		
32 31 19 00-0046 3' Fence Height Steel Tube Swing Gates, 2 Rail <small>(32 31 19 00-0045)</small>		
32 31 19 00-0047 EA 3' Wide x 3' High Steel Tube Single Swing Gate .....	719.09	20.33
Note: Includes mounting hardware and associated trim.		
For Solid Pickets, Add	157.21	
For Aluminum With Satin Finish, Add	188.24	
For Third Rail, Add	49.35	
For 1" Square x 14 Gauge Pickets, Add	65.80	





<b>Exterior Improvements</b>	<b>32</b>	<b>32</b>
Site Improvements	32 30	
Fences and Gates	32 31	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0048	EA	3'-6" Wide x 3' High Steel Tube Single Swing Gate ..... Note: Includes mounting hardware and associated trim.	800.41	21.29
		<i>For Solid Pickets, Add</i>	175.30	
		<i>For Aluminum With Satin Finish, Add</i>	211.35	
		<i>For Third Rail, Add</i>	55.23	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>	73.65	
32 31 19 00-0049	EA	4' Wide x 3' High Steel Tube Single Swing Gate ..... Note: Includes mounting hardware and associated trim.	886.26	22.53
		<i>For Solid Pickets, Add</i>	194.33	
		<i>For Aluminum With Satin Finish, Add</i>	235.38	
		<i>For Third Rail, Add</i>	61.39	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>	81.85	
32 31 19 00-0050	EA	5' Wide x 3' High Steel Tube Single Swing Gate ..... Note: Includes mounting hardware and associated trim.	932.04	24.15
		<i>For Solid Pickets, Add</i>	204.27	
		<i>For Aluminum With Satin Finish, Add</i>	246.97	
		<i>For Third Rail, Add</i>	64.46	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>	85.95	
32 31 19 00-0051	EA	6' Wide x 3' High Steel Tube Single Swing Gate ..... Note: Includes mounting hardware and associated trim.	1,040.87	28.92
		<i>For Solid Pickets, Add</i>	227.68	
		<i>For Aluminum With Satin Finish, Add</i>	273.17	
		<i>For Third Rail, Add</i>	71.55	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>	95.40	
32 31 19 00-0052	EA	7' Wide x 3' High Steel Tube Single Swing Gate ..... Note: Includes mounting hardware and associated trim.	1,106.90	33.70
		<i>For Solid Pickets, Add</i>	241.46	
		<i>For Aluminum With Satin Finish, Add</i>	286.54	
		<i>For Third Rail, Add</i>	75.43	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>	100.57	
32 31 19 00-0053	EA	8' Wide x 3' High Steel Tube Single Swing Gate ..... Note: Includes mounting hardware and associated trim.	1,207.77	38.75
		<i>For Solid Pickets, Add</i>	263.01	
		<i>For Aluminum With Satin Finish, Add</i>	309.93	
		<i>For Third Rail, Add</i>	81.85	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>	109.13	
32 31 19 00-0054	EA	9' Wide x 3' High Steel Tube Single Swing Gate ..... Note: Includes mounting hardware and associated trim.	1,295.20	43.53
		<i>For Solid Pickets, Add</i>	281.61	
		<i>For Aluminum With Satin Finish, Add</i>	329.71	
		<i>For Third Rail, Add</i>	87.33	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>	116.44	
32 31 19 00-0055	EA	10' Wide x 3' High Steel Tube Single Swing Gate ..... Note: Includes mounting hardware and associated trim.	1,371.93	48.29
		<i>For Solid Pickets, Add</i>	297.80	
		<i>For Aluminum With Satin Finish, Add</i>	346.29	
		<i>For Third Rail, Add</i>	92.01	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>	122.68	
32 31 19 00-0056	EA	6' Wide x 3' High Steel Tube Double Swing Gate ..... Note: Includes mounting hardware and associated trim.	1,503.98	40.67
		<i>For Solid Pickets, Add</i>	329.23	
		<i>For Aluminum With Satin Finish, Add</i>	396.21	
		<i>For Third Rail, Add</i>	103.64	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>	138.18	
32 31 19 00-0057	EA	7' Wide x 3' High Steel Tube Double Swing Gate ..... Note: Includes mounting hardware and associated trim.	1,602.62	42.57
		<i>For Solid Pickets, Add</i>	351.00	
		<i>For Aluminum With Satin Finish, Add</i>	423.23	
		<i>For Third Rail, Add</i>	110.60	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>	147.47	
32 31 19 00-0058	EA	8' Wide x 3' High Steel Tube Double Swing Gate ..... Note: Includes mounting hardware and associated trim.	1,772.52	45.15
		<i>For Solid Pickets, Add</i>	388.65	
		<i>For Aluminum With Satin Finish, Add</i>	470.76	
		<i>For Third Rail, Add</i>	122.77	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>	163.70	
32 31 19 00-0059	EA	9' Wide x 3' High Steel Tube Double Swing Gate ..... Note: Includes mounting hardware and associated trim.	1,857.53	46.77
		<i>For Solid Pickets, Add</i>	407.42	
		<i>For Aluminum With Satin Finish, Add</i>	494.12	
		<i>For Third Rail, Add</i>	128.79	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>	171.72	
32 31 19 00-0060	EA	10' Wide x 3' High Steel Tube Double Swing Gate ..... Note: Includes mounting hardware and associated trim.	1,926.51	48.29
		<i>For Solid Pickets, Add</i>	422.58	
		<i>For Aluminum With Satin Finish, Add</i>	512.66	
		<i>For Third Rail, Add</i>	133.61	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>	178.14	
32 31 19 00-0061	EA	12' Wide x 3' High Steel Tube Double Swing Gate ..... Note: Includes mounting hardware and associated trim.	2,167.34	57.85
		<i>For Solid Pickets, Add</i>	474.62	
		<i>For Aluminum With Satin Finish, Add</i>	572.03	
		<i>For Third Rail, Add</i>	149.52	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>	199.36	

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences and Gates**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0062 EA 14' Wide x 3' High Steel Tube Double Swing Gate ..... Note: Includes mounting hardware and associated trim.	2,374.30	67.39
For Solid Pickets, Add	519.04	
For Aluminum With Satin Finish, Add	621.23	
For Third Rail, Add	162.90	
For 1" Square x 14 Gauge Pickets, Add	217.19	
32 31 19 00-0063 EA 16' Wide x 3' High Steel Tube Double Swing Gate ..... Note: Includes mounting hardware and associated trim.	2,547.49	77.60
For Solid Pickets, Add	555.72	
For Aluminum With Satin Finish, Add	659.44	
For Third Rail, Add	173.59	
For 1" Square x 14 Gauge Pickets, Add	231.46	
32 31 19 00-0064 EA 18' Wide x 3' High Steel Tube Double Swing Gate ..... Note: Includes mounting hardware and associated trim.	2,692.03	87.05
For Solid Pickets, Add	586.09	
For Aluminum With Satin Finish, Add	689.92	
For Third Rail, Add	182.29	
For 1" Square x 14 Gauge Pickets, Add	243.05	
32 31 19 00-0065 EA 20' Wide x 3' High Steel Tube Double Swing Gate ..... Note: Includes mounting hardware and associated trim.	2,809.84	96.60
For Solid Pickets, Add	610.45	
For Aluminum With Satin Finish, Add	712.37	
For Third Rail, Add	188.97	
For 1" Square x 14 Gauge Pickets, Add	251.97	
<b>32 31 19 00-0066 4' Fence Height Steel Tube Swing Gates, 2 Rail</b> <small>(32 31 19 00-0045)</small>		
32 31 19 00-0067 EA 3' Wide x 4' High Steel Tube Single Swing Gate ..... Note: Includes mounting hardware and associated trim.	831.21	19.09
For Solid Pickets, Add	182.19	
For Aluminum With Satin Finish, Add	220.37	
For Third Rail, Add	57.51	
For 1" Square x 14 Gauge Pickets, Add	76.68	
32 31 19 00-0068 EA 3'-6" Wide x 4' High Steel Tube Single Swing Gate ..... Note: Includes mounting hardware and associated trim.	899.56	22.24
For Solid Pickets, Add	197.39	
For Aluminum With Satin Finish, Add	239.80	
For Third Rail, Add	62.46	
For 1" Square x 14 Gauge Pickets, Add	83.28	
32 31 19 00-0069 EA 4' Wide x 4' High Steel Tube Single Swing Gate ..... Note: Includes mounting hardware and associated trim.	970.32	23.86
For Solid Pickets, Add	212.95	
For Aluminum With Satin Finish, Add	258.88	
For Third Rail, Add	67.40	
For 1" Square x 14 Gauge Pickets, Add	89.87	
32 31 19 00-0070 EA 5' Wide x 4' High Steel Tube Single Swing Gate ..... Note: Includes mounting hardware and associated trim.	1,028.59	25.39
For Solid Pickets, Add	225.71	
For Aluminum With Satin Finish, Add	274.22	
For Third Rail, Add	71.42	
For 1" Square x 14 Gauge Pickets, Add	95.22	
32 31 19 00-0071 EA 6' Wide x 4' High Steel Tube Single Swing Gate ..... Note: Includes mounting hardware and associated trim.	1,108.06	30.55
For Solid Pickets, Add	242.44	
For Aluminum With Satin Finish, Add	291.18	
For Third Rail, Add	76.23	
For 1" Square x 14 Gauge Pickets, Add	101.64	
32 31 19 00-0072 EA 7' Wide x 4' High Steel Tube Single Swing Gate ..... Note: Includes mounting hardware and associated trim.	1,216.05	35.60
For Solid Pickets, Add	265.59	
For Aluminum With Satin Finish, Add	316.71	
For Third Rail, Add	83.19	
For 1" Square x 14 Gauge Pickets, Add	110.92	
32 31 19 00-0073 EA 8' Wide x 4' High Steel Tube Single Swing Gate ..... Note: Includes mounting hardware and associated trim.	1,365.07	40.67
For Solid Pickets, Add	297.98	
For Aluminum With Satin Finish, Add	354.54	
For Third Rail, Add	93.22	
For 1" Square x 14 Gauge Pickets, Add	124.29	
32 31 19 00-0074 EA 9' Wide x 4' High Steel Tube Single Swing Gate ..... Note: Includes mounting hardware and associated trim.	1,510.51	45.81
For Solid Pickets, Add	329.56	
For Aluminum With Satin Finish, Add	391.30	
For Third Rail, Add	102.98	
For 1" Square x 14 Gauge Pickets, Add	137.31	
32 31 19 00-0075 EA 10' Wide x 4' High Steel Tube Single Swing Gate ..... Note: Includes mounting hardware and associated trim.	1,648.83	50.88
For Solid Pickets, Add	359.53	
For Aluminum With Satin Finish, Add	425.92	
For Third Rail, Add	112.21	
For 1" Square x 14 Gauge Pickets, Add	149.61	



<b>Exterior Improvements</b>	<b>32</b>	<b>32</b>
Site Improvements	32 30	
Fences and Gates	32 31	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0076	EA	6' Wide x 4' High Steel Tube Double Swing Gate ..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	1,662.41  364.38 440.74 115.02 153.36	42.95
32 31 19 00-0077	EA	7' Wide x 4' High Steel Tube Double Swing Gate ..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	1,799.14  394.78 479.61 124.91 166.55	44.48
32 31 19 00-0078	EA	8' Wide x 4' High Steel Tube Double Swing Gate ..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	1,940.65  425.91 517.76 134.81 179.75	47.73
32 31 19 00-0079	EA	9' Wide x 4' High Steel Tube Double Swing Gate ..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	2,052.41  450.70 549.15 142.83 190.45	49.25
32 31 19 00-0080	EA	10' Wide x 4' High Steel Tube Double Swing Gate ..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	2,146.35  471.47 575.18 149.52 199.36	50.88
32 31 19 00-0081	EA	12' Wide x 4' High Steel Tube Double Swing Gate ..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	2,435.45  534.23 648.16 168.91 225.22	61.00
32 31 19 00-0082	EA	14' Wide x 4' High Steel Tube Double Swing Gate ..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	2,688.90  588.97 710.45 185.63 247.51	71.21
32 31 19 00-0083	EA	16' Wide x 4' High Steel Tube Double Swing Gate ..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	2,908.45  636.08 762.58 199.81 266.41	81.32
32 31 19 00-0084	EA	18' Wide x 4' High Steel Tube Double Swing Gate ..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	3,097.71  676.37 805.61 211.71 282.28	91.54
32 31 19 00-0085	EA	20' Wide x 4' High Steel Tube Double Swing Gate ..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	3,258.42  710.24 840.08 221.47 295.30	101.76
<b>32 31 19 00-0086</b>		<b>5' Fence Height Steel Tube Swing Gates, 2 Rail</b> <small>(32 31 19 00-0045)</small>		
32 31 19 00-0087	EA	3' Wide x 5' High Steel Tube Single Swing Gate ..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	904.91  198.59 241.41 62.86 83.81	22.24
32 31 19 00-0088	EA	3'-6" Wide x 5' High Steel Tube Single Swing Gate ..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	954.27  209.34 254.07 66.20 88.27	23.86
32 31 19 00-0089	EA	4' Wide x 5' High Steel Tube Single Swing Gate ..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	1,001.84  219.69 266.19 69.41 92.55	25.39

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences and Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31	19 00-0090	EA	5' Wide x 5' High Steel Tube Single Swing Gate ..... Note: Includes mounting hardware and associated trim.	1,070.81	27.01
			<i>For Solid Pickets, Add</i>	234.85	
			<i>For Aluminum With Satin Finish, Add</i>	284.73	
			<i>For Third Rail, Add</i>	74.23	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	98.97	
32 31	19 00-0091	EA	6' Wide x 5' High Steel Tube Single Swing Gate ..... Note: Includes mounting hardware and associated trim.	1,163.71	32.45
			<i>For Solid Pickets, Add</i>	254.53	
			<i>For Aluminum With Satin Finish, Add</i>	305.30	
			<i>For Third Rail, Add</i>	79.98	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	106.64	
32 31	19 00-0092	EA	7' Wide x 5' High Steel Tube Single Swing Gate ..... Note: Includes mounting hardware and associated trim.	1,286.94	37.80
			<i>For Solid Pickets, Add</i>	281.04	
			<i>For Aluminum With Satin Finish, Add</i>	334.97	
			<i>For Third Rail, Add</i>	88.00	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	117.34	
32 31	19 00-0093	EA	8' Wide x 5' High Steel Tube Single Swing Gate ..... Note: Includes mounting hardware and associated trim.	1,459.25	43.53
			<i>For Solid Pickets, Add</i>	318.52	
			<i>For Aluminum With Satin Finish, Add</i>	378.93	
			<i>For Third Rail, Add</i>	99.64	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	132.85	
32 31	19 00-0094	EA	9' Wide x 5' High Steel Tube Single Swing Gate ..... Note: Includes mounting hardware and associated trim.	1,627.05	48.96
			<i>For Solid Pickets, Add</i>	355.06	
			<i>For Aluminum With Satin Finish, Add</i>	421.97	
			<i>For Third Rail, Add</i>	111.00	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	148.01	
32 31	19 00-0095	EA	10' Wide x 5' High Steel Tube Single Swing Gate ..... Note: Includes mounting hardware and associated trim.	1,791.29	54.32
			<i>For Solid Pickets, Add</i>	390.80	
			<i>For Aluminum With Satin Finish, Add</i>	463.93	
			<i>For Third Rail, Add</i>	122.10	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	162.81	
32 31	19 00-0096	EA	6' Wide x 5' High Steel Tube Double Swing Gate ..... Note: Includes mounting hardware and associated trim.	1,783.31	37.51
			<i>For Solid Pickets, Add</i>	393.21	
			<i>For Aluminum With Satin Finish, Add</i>	486.80	
			<i>For Third Rail, Add</i>	125.72	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	167.62	
32 31	19 00-0097	EA	7' Wide x 5' High Steel Tube Double Swing Gate ..... Note: Includes mounting hardware and associated trim.	1,888.53	43.71
			<i>For Solid Pickets, Add</i>	415.55	
			<i>For Aluminum With Satin Finish, Add</i>	510.33	
			<i>For Third Rail, Add</i>	132.27	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	176.36	
32 31	19 00-0098	EA	8' Wide x 5' High Steel Tube Double Swing Gate ..... Note: Includes mounting hardware and associated trim.	1,994.80	50.30
			<i>For Solid Pickets, Add</i>	438.04	
			<i>For Aluminum With Satin Finish, Add</i>	533.71	
			<i>For Third Rail, Add</i>	138.82	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	185.10	
32 31	19 00-0099	EA	9' Wide x 5' High Steel Tube Double Swing Gate ..... Note: Includes mounting hardware and associated trim.	2,141.04	56.60
			<i>For Solid Pickets, Add</i>	469.61	
			<i>For Aluminum With Satin Finish, Add</i>	569.55	
			<i>For Third Rail, Add</i>	148.45	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	197.94	
32 31	19 00-0100	EA	10' Wide x 5' High Steel Tube Double Swing Gate ..... Note: Includes mounting hardware and associated trim.	2,269.45	62.81
			<i>For Solid Pickets, Add</i>	497.16	
			<i>For Aluminum With Satin Finish, Add</i>	600.04	
			<i>For Third Rail, Add</i>	156.74	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	208.99	
32 31	19 00-0101	EA	12' Wide x 5' High Steel Tube Double Swing Gate ..... Note: Includes mounting hardware and associated trim.	2,583.64	69.87
			<i>For Solid Pickets, Add</i>	566.36	
			<i>For Aluminum With Satin Finish, Add</i>	685.32	
			<i>For Third Rail, Add</i>	178.81	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	238.41	
32 31	19 00-0102	EA	14' Wide x 5' High Steel Tube Double Swing Gate ..... Note: Includes mounting hardware and associated trim.	2,866.04	77.51
			<i>For Solid Pickets, Add</i>	628.24	
			<i>For Aluminum With Satin Finish, Add</i>	760.11	
			<i>For Third Rail, Add</i>	198.34	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	264.45	
32 31	19 00-0103	EA	16' Wide x 5' High Steel Tube Double Swing Gate ..... Note: Includes mounting hardware and associated trim.	3,118.43	86.00
			<i>For Solid Pickets, Add</i>	683.22	
			<i>For Aluminum With Satin Finish, Add</i>	824.97	
			<i>For Third Rail, Add</i>	215.46	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	287.27	



<b>Exterior Improvements</b>	<b>32</b>	<b>32</b>
Site Improvements	32 30	
Fences and Gates	32 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0104 EA 18' Wide x 5' High Steel Tube Double Swing Gate ..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	3,345.44  732.25 880.79 230.43 307.25	95.55
32 31 19 00-0105 EA 20' Wide x 5' High Steel Tube Double Swing Gate ..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	3,547.09  775.34 927.57 243.27 324.36	106.23
<b>32 31 19 00-0106 6' Fence Height Steel Tube Swing Gates, 2 Rail</b> (32 31 19 00-0045)		
32 31 19 00-0107 EA 3' Wide x 6' High Steel Tube Single Swing Gate ..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	941.92  206.42 249.50 65.13 86.84	24.44
32 31 19 00-0108 EA 3'-6" Wide x 6' High Steel Tube Single Swing Gate ..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	990.32  217.02 262.30 68.48 91.30	25.77
32 31 19 00-0109 EA 4' Wide x 6' High Steel Tube Single Swing Gate ..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	1,039.40  227.73 275.00 71.82 95.76	27.20
32 31 19 00-0110 EA 5' Wide x 6' High Steel Tube Single Swing Gate ..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	1,099.73  240.92 290.83 75.96 101.29	28.92
32 31 19 00-0111 EA 6' Wide x 6' High Steel Tube Single Swing Gate ..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	1,233.77  269.72 322.88 84.66 112.88	34.93
32 31 19 00-0112 EA 7' Wide x 6' High Steel Tube Single Swing Gate ..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	1,376.71  300.53 357.61 94.02 125.36	41.05
32 31 19 00-0113 EA 8' Wide x 6' High Steel Tube Single Swing Gate ..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	1,536.56  335.20 397.83 104.72 139.63	46.77
32 31 19 00-0114 EA 9' Wide x 6' High Steel Tube Single Swing Gate ..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	1,690.22  368.42 435.76 114.88 153.18	52.78
32 31 19 00-0115 EA 10' Wide x 6' High Steel Tube Single Swing Gate ..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	1,877.74  409.25 483.87 127.59 170.12	58.79
32 31 19 00-0116 EA 6' Wide x 6' High Steel Tube Double Swing Gate ..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	1,852.34  408.11 503.73 130.26 173.68	40.47
32 31 19 00-0117 EA 7' Wide x 6' High Steel Tube Double Swing Gate ..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	1,961.45  431.17 527.48 136.95 182.60	47.44

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences and Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31	19 00-0118	EA	8' Wide x 6' High Steel Tube Double Swing Gate ..... Note: Includes mounting hardware and associated trim.	2,069.50	54.03
			<i>For Solid Pickets, Add</i>	454.06	
			<i>For Aluminum With Satin Finish, Add</i>	551.40	
			<i>For Third Rail, Add</i>	143.64	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	191.52	
32 31	19 00-0119	EA	9' Wide x 6' High Steel Tube Double Swing Gate ..... Note: Includes mounting hardware and associated trim.	2,200.01	61.00
			<i>For Solid Pickets, Add</i>	481.93	
			<i>For Aluminum With Satin Finish, Add</i>	581.57	
			<i>For Third Rail, Add</i>	151.93	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	202.57	
32 31	19 00-0120	EA	10' Wide x 6' High Steel Tube Double Swing Gate ..... Note: Includes mounting hardware and associated trim.	2,405.42	67.96
			<i>For Solid Pickets, Add</i>	526.65	
			<i>For Aluminum With Satin Finish, Add</i>	634.21	
			<i>For Third Rail, Add</i>	165.84	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	221.12	
32 31	19 00-0121	EA	12' Wide x 6' High Steel Tube Double Swing Gate ..... Note: Includes mounting hardware and associated trim.	2,821.56	75.69
			<i>For Solid Pickets, Add</i>	618.63	
			<i>For Aluminum With Satin Finish, Add</i>	749.13	
			<i>For Third Rail, Add</i>	195.39	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	260.53	
32 31	19 00-0122	EA	14' Wide x 6' High Steel Tube Double Swing Gate ..... Note: Includes mounting hardware and associated trim.	2,953.74	84.57
			<i>For Solid Pickets, Add</i>	646.48	
			<i>For Aluminum With Satin Finish, Add</i>	777.45	
			<i>For Third Rail, Add</i>	203.42	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	271.23	
32 31	19 00-0123	EA	16' Wide x 6' High Steel Tube Double Swing Gate ..... Note: Includes mounting hardware and associated trim.	3,243.17	94.12
			<i>For Solid Pickets, Add</i>	709.55	
			<i>For Aluminum With Satin Finish, Add</i>	852.00	
			<i>For Third Rail, Add</i>	223.08	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	297.44	
32 31	19 00-0124	EA	18' Wide x 6' High Steel Tube Double Swing Gate ..... Note: Includes mounting hardware and associated trim.	3,509.00	104.71
			<i>For Solid Pickets, Add</i>	767.08	
			<i>For Aluminum With Satin Finish, Add</i>	918.04	
			<i>For Third Rail, Add</i>	240.73	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	320.98	
32 31	19 00-0125	EA	20' Wide x 6' High Steel Tube Double Swing Gate ..... Note: Includes mounting hardware and associated trim.	3,755.85	116.84
			<i>For Solid Pickets, Add</i>	820.02	
			<i>For Aluminum With Satin Finish, Add</i>	976.50	
			<i>For Third Rail, Add</i>	256.65	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	342.20	
32 31	19 00-0126		<b>7' Fence Height Steel Tube Swing Gates, 2 Rail</b> <small>(32 31 19 00-0045)</small>		
32 31	19 00-0127	EA	3' Wide x 7' High Steel Tube Single Swing Gate ..... Note: Includes mounting hardware and associated trim.	997.86	26.44
			<i>For Solid Pickets, Add</i>	218.56	
			<i>For Aluminum With Satin Finish, Add</i>	263.58	
			<i>For Third Rail, Add</i>	68.88	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	91.84	
32 31	19 00-0128	EA	3'-6" Wide x 7' High Steel Tube Single Swing Gate ..... Note: Includes mounting hardware and associated trim.	1,048.42	27.87
			<i>For Solid Pickets, Add</i>	229.62	
			<i>For Aluminum With Satin Finish, Add</i>	276.86	
			<i>For Third Rail, Add</i>	72.35	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	96.47	
32 31	19 00-0129	EA	4' Wide x 7' High Steel Tube Single Swing Gate ..... Note: Includes mounting hardware and associated trim.	1,099.18	29.30
			<i>For Solid Pickets, Add</i>	240.71	
			<i>For Aluminum With Satin Finish, Add</i>	290.10	
			<i>For Third Rail, Add</i>	75.83	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	101.11	
32 31	19 00-0130	EA	5' Wide x 7' High Steel Tube Single Swing Gate ..... Note: Includes mounting hardware and associated trim.	1,150.03	30.83
			<i>For Solid Pickets, Add</i>	251.81	
			<i>For Aluminum With Satin Finish, Add</i>	303.34	
			<i>For Third Rail, Add</i>	79.31	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	105.74	
32 31	19 00-0131	EA	6' Wide x 7' High Steel Tube Single Swing Gate ..... Note: Includes mounting hardware and associated trim.	1,330.57	37.51
			<i>For Solid Pickets, Add</i>	290.93	
			<i>For Aluminum With Satin Finish, Add</i>	348.48	
			<i>For Third Rail, Add</i>	91.34	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	121.79	



<b>Exterior Improvements</b>	<b>32</b>	<b>32</b>
Site Improvements	32 30	
Fences and Gates	32 31	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0132	EA	7' Wide x 7' High Steel Tube Single Swing Gate ..... Note: Includes mounting hardware and associated trim.	1,495.87	43.91
		<i>For Solid Pickets, Add</i>	326.69	
		<i>For Aluminum With Satin Finish, Add</i>	389.49	
		<i>For Third Rail, Add</i>	102.31	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>	136.42	
32 31 19 00-0133	EA	8' Wide x 7' High Steel Tube Single Swing Gate ..... Note: Includes mounting hardware and associated trim.	1,615.78	50.50
		<i>For Solid Pickets, Add</i>	352.17	
		<i>For Aluminum With Satin Finish, Add</i>	416.44	
		<i>For Third Rail, Add</i>	109.80	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>	146.40	
32 31 19 00-0134	EA	9' Wide x 7' High Steel Tube Single Swing Gate ..... Note: Includes mounting hardware and associated trim.	1,752.55	56.89
		<i>For Solid Pickets, Add</i>	381.51	
		<i>For Aluminum With Satin Finish, Add</i>	448.88	
		<i>For Third Rail, Add</i>	118.63	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>	158.17	
32 31 19 00-0135	EA	10' Wide x 7' High Steel Tube Single Swing Gate ..... Note: Includes mounting hardware and associated trim.	1,920.60	63.57
		<i>For Solid Pickets, Add</i>	417.82	
		<i>For Aluminum With Satin Finish, Add</i>	490.28	
		<i>For Third Rail, Add</i>	129.73	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>	172.97	
32 31 19 00-0136	EA	6' Wide x 7' High Steel Tube Double Swing Gate ..... Note: Includes mounting hardware and associated trim.	1,960.60	43.33
		<i>For Solid Pickets, Add</i>	431.84	
		<i>For Aluminum With Satin Finish, Add</i>	532.43	
		<i>For Third Rail, Add</i>	137.75	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>	183.67	
32 31 19 00-0137	EA	7' Wide x 7' High Steel Tube Double Swing Gate ..... Note: Includes mounting hardware and associated trim.	2,074.31	50.68
		<i>For Solid Pickets, Add</i>	455.85	
		<i>For Aluminum With Satin Finish, Add</i>	557.09	
		<i>For Third Rail, Add</i>	144.71	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>	192.94	
32 31 19 00-0138	EA	8' Wide x 7' High Steel Tube Double Swing Gate ..... Note: Includes mounting hardware and associated trim.	2,189.09	58.41
		<i>For Solid Pickets, Add</i>	480.02	
		<i>For Aluminum With Satin Finish, Add</i>	581.60	
		<i>For Third Rail, Add</i>	151.66	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>	202.22	
32 31 19 00-0139	EA	9' Wide x 7' High Steel Tube Double Swing Gate ..... Note: Includes mounting hardware and associated trim.	2,304.61	65.76
		<i>For Solid Pickets, Add</i>	504.44	
		<i>For Aluminum With Satin Finish, Add</i>	606.81	
		<i>For Third Rail, Add</i>	158.75	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>	211.67	
32 31 19 00-0140	EA	10' Wide x 7' High Steel Tube Double Swing Gate ..... Note: Includes mounting hardware and associated trim.	2,595.92	73.50
		<i>For Solid Pickets, Add</i>	568.33	
		<i>For Aluminum With Satin Finish, Add</i>	684.28	
		<i>For Third Rail, Add</i>	178.94	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>	238.59	
32 31 19 00-0141	EA	12' Wide x 7' High Steel Tube Double Swing Gate ..... Note: Includes mounting hardware and associated trim.	3,138.97	81.99
		<i>For Solid Pickets, Add</i>	688.71	
		<i>For Aluminum With Satin Finish, Add</i>	836.33	
		<i>For Third Rail, Add</i>	217.86	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>	290.48	
32 31 19 00-0142	EA	14' Wide x 7' High Steel Tube Double Swing Gate ..... Note: Includes mounting hardware and associated trim.	3,103.13	91.92
		<i>For Solid Pickets, Add</i>	678.52	
		<i>For Aluminum With Satin Finish, Add</i>	812.82	
		<i>For Third Rail, Add</i>	213.05	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>	284.06	
32 31 19 00-0143	EA	16' Wide x 7' High Steel Tube Double Swing Gate ..... Note: Includes mounting hardware and associated trim.	3,361.83	102.52
		<i>For Solid Pickets, Add</i>	734.44	
		<i>For Aluminum With Satin Finish, Add</i>	876.73	
		<i>For Third Rail, Add</i>	230.17	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>	306.89	
32 31 19 00-0144	EA	18' Wide x 7' High Steel Tube Double Swing Gate ..... Note: Includes mounting hardware and associated trim.	3,671.09	114.63
		<i>For Solid Pickets, Add</i>	801.43	
		<i>For Aluminum With Satin Finish, Add</i>	953.91	
		<i>For Third Rail, Add</i>	250.76	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>	334.35	
32 31 19 00-0145	EA	20' Wide x 7' High Steel Tube Double Swing Gate ..... Note: Includes mounting hardware and associated trim.	3,874.73	127.91
		<i>For Solid Pickets, Add</i>	844.41	
		<i>For Aluminum With Satin Finish, Add</i>	997.99	
		<i>For Third Rail, Add</i>	263.20	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>	350.93	

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences and Gates**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0146		<b>8' Fence Height Steel Tube Swing Gates, 2 Rail</b> <small>(32 31 19 00-0045)</small>		
32 31 19 00-0147	EA	3' Wide x 8' High Steel Tube Single Swing Gate ..... Note: Includes mounting hardware and associated trim.	1,084.50	28.64
		<i>For Solid Pickets, Add</i>	237.57	
		<i>For Aluminum With Satin Finish, Add</i>	286.69	
		<i>For Third Rail, Add</i>	74.89	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>	99.86	
32 31 19 00-0148	EA	3'-6" Wide x 8' High Steel Tube Single Swing Gate ..... Note: Includes mounting hardware and associated trim.	1,137.42	30.16
		<i>For Solid Pickets, Add</i>	249.12	
		<i>For Aluminum With Satin Finish, Add</i>	300.42	
		<i>For Third Rail, Add</i>	78.51	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>	104.67	
32 31 19 00-0149	EA	4' Wide x 8' High Steel Tube Single Swing Gate ..... Note: Includes mounting hardware and associated trim.	1,193.91	31.78
		<i>For Solid Pickets, Add</i>	261.47	
		<i>For Aluminum With Satin Finish, Add</i>	315.22	
		<i>For Third Rail, Add</i>	82.38	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>	109.85	
32 31 19 00-0150	EA	5' Wide x 8' High Steel Tube Single Swing Gate ..... Note: Includes mounting hardware and associated trim.	1,244.11	35.41
		<i>For Solid Pickets, Add</i>	271.94	
		<i>For Aluminum With Satin Finish, Add</i>	325.34	
		<i>For Third Rail, Add</i>	85.33	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>	113.77	
32 31 19 00-0151	EA	6' Wide x 8' High Steel Tube Single Swing Gate ..... Note: Includes mounting hardware and associated trim.	1,471.93	40.09
		<i>For Solid Pickets, Add</i>	322.16	
		<i>For Aluminum With Satin Finish, Add</i>	387.46	
		<i>For Third Rail, Add</i>	101.38	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>	135.17	
32 31 19 00-0152	EA	7' Wide x 8' High Steel Tube Single Swing Gate ..... Note: Includes mounting hardware and associated trim.	1,637.63	48.29
		<i>For Solid Pickets, Add</i>	357.59	
		<i>For Aluminum With Satin Finish, Add</i>	426.00	
		<i>For Third Rail, Add</i>	111.94	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>	149.25	
32 31 19 00-0153	EA	8' Wide x 8' High Steel Tube Single Swing Gate ..... Note: Includes mounting hardware and associated trim.	1,709.63	56.22
		<i>For Solid Pickets, Add</i>	372.00	
		<i>For Aluminum With Satin Finish, Add</i>	436.86	
		<i>For Third Rail, Add</i>	115.55	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>	154.07	
32 31 19 00-0154	EA	9' Wide x 8' High Steel Tube Single Swing Gate ..... Note: Includes mounting hardware and associated trim.	1,832.54	64.53
		<i>For Solid Pickets, Add</i>	397.79	
		<i>For Aluminum With Satin Finish, Add</i>	462.56	
		<i>For Third Rail, Add</i>	122.91	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>	163.88	
32 31 19 00-0155	EA	10' Wide x 8' High Steel Tube Single Swing Gate ..... Note: Includes mounting hardware and associated trim.	1,939.37	72.83
		<i>For Solid Pickets, Add</i>	419.96	
		<i>For Aluminum With Satin Finish, Add</i>	483.45	
		<i>For Third Rail, Add</i>	129.06	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>	172.08	
32 31 19 00-0156	EA	6' Wide x 8' High Steel Tube Double Swing Gate ..... Note: Includes mounting hardware and associated trim.	2,131.27	46.30
		<i>For Solid Pickets, Add</i>	469.61	
		<i>For Aluminum With Satin Finish, Add</i>	579.85	
		<i>For Third Rail, Add</i>	149.92	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>	199.90	
32 31 19 00-0157	EA	7' Wide x 8' High Steel Tube Double Swing Gate ..... Note: Includes mounting hardware and associated trim.	2,258.42	55.84
		<i>For Solid Pickets, Add</i>	496.18	
		<i>For Aluminum With Satin Finish, Add</i>	605.71	
		<i>For Third Rail, Add</i>	157.41	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>	209.88	
32 31 19 00-0158	EA	8' Wide x 8' High Steel Tube Double Swing Gate ..... Note: Includes mounting hardware and associated trim.	2,382.75	65.00
		<i>For Solid Pickets, Add</i>	522.18	
		<i>For Aluminum With Satin Finish, Add</i>	631.19	
		<i>For Third Rail, Add</i>	164.77	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>	219.69	
32 31 19 00-0159	EA	9' Wide x 8' High Steel Tube Double Swing Gate ..... Note: Includes mounting hardware and associated trim.	2,486.73	74.64
		<i>For Solid Pickets, Add</i>	543.53	
		<i>For Aluminum With Satin Finish, Add</i>	650.10	
		<i>For Third Rail, Add</i>	170.52	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>	227.36	
32 31 19 00-0160	EA	10' Wide x 8' High Steel Tube Double Swing Gate ..... Note: Includes mounting hardware and associated trim.	2,890.28	84.19
		<i>For Solid Pickets, Add</i>	632.28	
		<i>For Aluminum With Satin Finish, Add</i>	758.89	
		<i>For Third Rail, Add</i>	198.74	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>	264.98	





<b>Exterior Improvements</b>	<b>32</b>	<b>32</b>
Site Improvements	32 30	
Fences and Gates	32 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0161 EA 12' Wide x 8' High Steel Tube Double Swing Gate ..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> ..... <i>For Aluminum With Satin Finish, Add</i> ..... <i>For Third Rail, Add</i> ..... <i>For 1" Square x 14 Gauge Pickets, Add</i> .....	3,603.69 790.51 959.21 249.96 333.28	94.79
32 31 19 00-0162 EA 14' Wide x 8' High Steel Tube Double Swing Gate ..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> ..... <i>For Aluminum With Satin Finish, Add</i> ..... <i>For Third Rail, Add</i> ..... <i>For 1" Square x 14 Gauge Pickets, Add</i> .....	3,292.41 717.88 850.23 224.01 298.69	106.90
32 31 19 00-0163 EA 16' Wide x 8' High Steel Tube Double Swing Gate ..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> ..... <i>For Aluminum With Satin Finish, Add</i> ..... <i>For Third Rail, Add</i> ..... <i>For 1" Square x 14 Gauge Pickets, Add</i> .....	3,524.89 767.19 902.02 238.46 317.95	120.94
32 31 19 00-0164 EA 18' Wide x 8' High Steel Tube Double Swing Gate ..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> ..... <i>For Aluminum With Satin Finish, Add</i> ..... <i>For Third Rail, Add</i> ..... <i>For 1" Square x 14 Gauge Pickets, Add</i> .....	3,884.61 844.82 990.09 262.13 349.51	136.31
32 31 19 00-0165 EA 20' Wide x 8' High Steel Tube Double Swing Gate ..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> ..... <i>For Aluminum With Satin Finish, Add</i> ..... <i>For Third Rail, Add</i> ..... <i>For 1" Square x 14 Gauge Pickets, Add</i> .....	3,962.49 858.64 991.25 264.27 352.36	153.58
<b>32 31 19 00-0166 Replace Steel Tube Fence Pickets</b> <small>(32 31 19 00-0032)</small>		
32 31 19 00-0167 LF Removal And Replacement Of 3/4" Square x 16 Gauge Steel Tube Fence Picket ..... <i>For 1" Square x 14 Gauge Pickets, Add</i> .....	27.73 0.86	
<b>32 31 19 00-0168 Removal And Reinstallation Of Ornamental Fences</b> <small>(32 31 19)</small> Note: Including storage and cleaning. Excludes augering and concrete.		
32 31 19 00-0169 LF Removal And Reinstallation Of Ornamental Fence Up To 5' Height.....	42.95	
32 31 19 00-0170 LF Removal And Reinstallation Of Ornamental Fence, 6' Height .....	47.24	
32 31 19 00-0171 LF Removal And Reinstallation Of Ornamental Fence, 7' Height .....	51.55	
32 31 19 00-0172 LF Removal And Reinstallation Of Ornamental Fence, 8' Height .....	55.84	
32 31 19 00-0173 LF Removal And Reinstallation Of Ornamental Fence, 9' Height .....	60.13	
32 31 19 00-0174 LF Removal And Reinstallation Of Ornamental Fence, 10' Height .....	64.43	
32 31 19 00-0175 LF Removal And Reinstallation Of Ornamental Fence 12' Height .....	71.59	
<b>32 31 23 Plastic Fences and Gates</b> <small>(32 31)</small>		
<b>32 31 23 00-0001 Vinyl Fence</b> <small>(32 31 23)</small>		
<b>32 31 23 00-0002 Privacy Tongue And Groove Vinyl Fence</b> <small>(32 31 23 00-0001)</small> Note: With 1-1/2" x 5-1/2" top and bottom rails, 5" x 5" posts installed 7' centers. Post includes flat cap.		
32 31 23 00-0003 LF 3' High Privacy Tongue And Groove Vinyl Fence .....	57.01	5.80
32 31 23 00-0004 LF 4' High Privacy Tongue And Groove Vinyl Fence .....	63.83	6.97
32 31 23 00-0005 LF 5' High Privacy Tongue And Groove Vinyl Fence .....	71.24	8.12
32 31 23 00-0006 LF 6' High Privacy Tongue And Groove Vinyl Fence .....	78.48	9.28
<b>32 31 23 00-0007 Semi-Privacy 6" Picket Vinyl Fence</b> <small>(32 31 23 00-0001)</small> Note: With 1-1/2" x 5-1/2" top and bottom rails, 2" x 3-1/2" mid rail, 5" x 5" posts installed 6' centers. Post includes flat cap.		
32 31 23 00-0008 LF 5' High Semi-Privacy 6" Picket Vinyl Fence.....	76.35	8.12
32 31 23 00-0009 LF 6' High Semi-Privacy 6" Picket Vinyl Fence.....	83.65	9.28
<b>32 31 23 00-0010 Picket Straight Top Vinyl Fence</b> <small>(32 31 23 00-0001)</small> Note: With 2-1/2" x 3-1/2" top rail, 1-1/2" x 5-1/2" bottom rail, 1-3/8" x 1-3/8" or 1" x 3" pickets, 5" x 5" posts installed 6' centers. Post includes flat cap.		
32 31 23 00-0011 LF 3' High Picket Straight Top Vinyl Fence.....	52.49	5.80
32 31 23 00-0012 LF 4' High Picket Straight Top Vinyl Fence.....	59.55	6.97
32 31 23 00-0013 LF 5' High Picket Straight Top Vinyl Fence.....	68.25	8.12
32 31 23 00-0014 LF 6' High Picket Straight Top Vinyl Fence.....	75.55	9.28
<b>32 31 23 00-0015 Picket Scalloped Top Vinyl Fence</b> <small>(32 31 23 00-0001)</small> Note: With 2-1/2" x 3-1/2" top rail, 1-1/2" x 5-1/2" bottom rail, 1-3/8" x 1-3/8" or 1" x 3" pickets, 5" x 5" posts installed 6' centers. Post includes flat cap.		
32 31 23 00-0016 LF 3' High Picket Scalloped Top Vinyl Fence .....	58.29	5.80
32 31 23 00-0017 LF 4' High Picket Scalloped Top Vinyl Fence .....	65.53	6.97
32 31 23 00-0018 LF 5' High Picket Scalloped Top Vinyl Fence .....	73.84	8.12
32 31 23 00-0019 LF 6' High Picket Scalloped Top Vinyl Fence .....	81.32	9.28

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences and Gates**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 23 00-0020			<b>Post And Rail Vinyl Fence, Ranch Style</b> <small>(32 31 23 00-0001)</small>		
			Note: With 1-1/2" x 5-1/2" rails, 5" x 5" posts installed 8' centers. Post includes flat cap.		
32 31 23 00-0021	LF		5' High, 2 Rail, Post And Rail Vinyl Fence .....	20.78	5.80
32 31 23 00-0022	LF		6-1/2' High, 3 Rail, Post And Rail Vinyl Fence .....	26.74	6.97
32 31 23 00-0023	LF		7' High, 4 Rail, Post And Rail Vinyl Fence .....	30.86	7.54
32 31 23 00-0024			<b>Post, Rails And Pickets (Traditional Style) Vinyl Fence</b> <small>(32 31 23 00-0001)</small>		
			Note: With top and bottom 3" x 3" rails, 5" x 5" posts and 1-1/2" x 1-1/2" pickets. Post includes flat cap.		
32 31 23 00-0025	LF		3' High Rail And Picket Vinyl Fence, 72" On Center Posts .....	68.32	6.38
32 31 23 00-0026	LF		4' High Rail And Picket Vinyl Fence, 72" On Center Posts .....	74.55	7.54
32 31 23 00-0027	LF		3' High Rail And Picket Vinyl Fence, 96" On Center Posts .....	64.48	5.80
32 31 23 00-0028	LF		4' High Rail And Picket Vinyl Fence, 96" On Center Posts .....	70.04	6.97
32 31 23 00-0029			<b>Vinyl Gates</b> <small>(32 31 23)</small>		
32 31 23 00-0030			<b>Gates For Privacy And Semi-Privacy Fences</b> <small>(32 31 23 00-0029)</small>		
			Note: Includes hinges.		
32 31 23 00-0031			<b>3' High Gates For Privacy And Semi-Privacy Fences</b> <small>(32 31 23 00-0030)</small>		
32 31 23 00-0032	EA		3' High x 3' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set.....	631.55	58.01
			<i>For Self-Closing Hinge Set, Add</i> .....	14.50	
			<i>For Self-Closing Stainless Steel Hinge Set, Add</i> .....	38.50	
32 31 23 00-0033	EA		3' High x 4' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set.....	670.22	60.91
			<i>For Self-Closing Hinge Set, Add</i> .....	14.50	
			<i>For Self-Closing Stainless Steel Hinge Set, Add</i> .....	38.50	
32 31 23 00-0034	EA		3' High x 5' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set.....	735.79	63.81
			<i>For Self-Closing Hinge Set, Add</i> .....	14.50	
			<i>For Self-Closing Stainless Steel Hinge Set, Add</i> .....	38.50	
32 31 23 00-0035	EA		3' High x 6' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set.....	825.27	66.71
			<i>For Self-Closing Hinge Set, Add</i> .....	14.50	
			<i>For Self-Closing Stainless Steel Hinge Set, Add</i> .....	38.50	
32 31 23 00-0036			<b>4' High Gates For Privacy And Semi-Privacy Fences</b> <small>(32 31 23 00-0030)</small>		
32 31 23 00-0037	EA		4' High x 3' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set.....	670.22	60.91
			<i>For Self-Closing Hinge Set, Add</i> .....	14.50	
			<i>For Self-Closing Stainless Steel Hinge Set, Add</i> .....	38.50	
32 31 23 00-0038	EA		4' High x 4' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set.....	693.95	63.81
			<i>For Self-Closing Hinge Set, Add</i> .....	14.50	
			<i>For Self-Closing Stainless Steel Hinge Set, Add</i> .....	38.50	
32 31 23 00-0039	EA		4' High x 5' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set.....	771.47	66.71
			<i>For Self-Closing Hinge Set, Add</i> .....	14.50	
			<i>For Self-Closing Stainless Steel Hinge Set, Add</i> .....	38.50	
32 31 23 00-0040	EA		4' High x 6' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set.....	905.78	69.61
			<i>For Self-Closing Hinge Set, Add</i> .....	14.50	
			<i>For Self-Closing Stainless Steel Hinge Set, Add</i> .....	38.50	
32 31 23 00-0041			<b>5' High Gates For Privacy And Semi-Privacy Fences</b> <small>(32 31 23 00-0030)</small>		
32 31 23 00-0042	EA		5' High x 3' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set.....	693.95	63.81
			<i>For Self-Closing Hinge Set, Add</i> .....	14.50	
			<i>For Self-Closing Stainless Steel Hinge Set, Add</i> .....	38.50	
32 31 23 00-0043	EA		5' High x 4' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set.....	723.66	66.71
			<i>For Self-Closing Hinge Set, Add</i> .....	14.50	
			<i>For Self-Closing Stainless Steel Hinge Set, Add</i> .....	38.50	
32 31 23 00-0044	EA		5' High x 5' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set.....	831.07	69.61
			<i>For Self-Closing Hinge Set, Add</i> .....	14.50	
			<i>For Self-Closing Stainless Steel Hinge Set, Add</i> .....	38.50	
32 31 23 00-0045	EA		5' High x 6' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set.....	971.35	72.52
			<i>For Self-Closing Hinge Set, Add</i> .....	14.50	
			<i>For Self-Closing Stainless Steel Hinge Set, Add</i> .....	38.50	
32 31 23 00-0046			<b>6' High Gates For Privacy And Semi-Privacy Fences</b> <small>(32 31 23 00-0030)</small>		
32 31 23 00-0047	EA		6' High x 3' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set.....	729.46	69.61
			<i>For Self-Closing Hinge Set, Add</i> .....	14.50	
			<i>For Self-Closing Stainless Steel Hinge Set, Add</i> .....	38.50	
32 31 23 00-0048	EA		6' High x 4' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set.....	759.17	72.52
			<i>For Self-Closing Hinge Set, Add</i> .....	14.50	
			<i>For Self-Closing Stainless Steel Hinge Set, Add</i> .....	38.50	
32 31 23 00-0049	EA		6' High x 5' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set.....	917.38	75.42
			<i>For Self-Closing Hinge Set, Add</i> .....	14.50	
			<i>For Self-Closing Stainless Steel Hinge Set, Add</i> .....	38.50	
32 31 23 00-0050	EA		6' High x 6' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set.....	1,012.85	75.42
			<i>For Self-Closing Hinge Set, Add</i> .....	14.50	
			<i>For Self-Closing Stainless Steel Hinge Set, Add</i> .....	38.50	
32 31 23 00-0051			<b>Gates For Picket Fences</b> <small>(32 31 23 00-0029)</small>		
			Note: Includes hinges.		



<b>Exterior Improvements</b>	<b>32</b>	<b>32</b>
Site Improvements	32 30	
Fences and Gates	32 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>32 31 23 00-0052 3' High Gates For Picket Fences</b> (32 31 23 00-0051)		
32 31 23 00-0053 EA 3' High x 3' Wide Vinyl Gate For Picket Style Fence And Hinge Set.....	604.65	58.01
For Self-Closing Hinge Set, Add	14.50	
For Self-Closing Stainless Steel Hinge Set, Add	38.50	
32 31 23 00-0054 EA 3' High x 4' Wide Vinyl Gate For Picket Style Fence And Hinge Set.....	628.38	60.91
For Self-Closing Hinge Set, Add	14.50	
For Self-Closing Stainless Steel Hinge Set, Add	38.50	
32 31 23 00-0055 EA 3' High x 5' Wide Vinyl Gate For Picket Style Fence And Hinge Set.....	705.90	63.81
For Self-Closing Hinge Set, Add	14.50	
For Self-Closing Stainless Steel Hinge Set, Add	38.50	
32 31 23 00-0056 EA 3' High x 6' Wide Vinyl Gate For Picket Style Fence And Hinge Set.....	840.21	66.71
For Self-Closing Hinge Set, Add	14.50	
For Self-Closing Stainless Steel Hinge Set, Add	38.50	
<b>32 31 23 00-0057 4' High Gates For Picket Fences</b> (32 31 23 00-0051)		
32 31 23 00-0058 EA 4' High x 3' Wide Vinyl Gate For Picket Style Fence And Hinge Set.....	610.45	60.91
For Self-Closing Hinge Set, Add	14.50	
For Self-Closing Stainless Steel Hinge Set, Add	38.50	
32 31 23 00-0059 EA 4' High x 4' Wide Vinyl Gate For Picket Style Fence And Hinge Set.....	634.18	63.81
For Self-Closing Hinge Set, Add	14.50	
For Self-Closing Stainless Steel Hinge Set, Add	38.50	
32 31 23 00-0060 EA 4' High x 5' Wide Vinyl Gate For Picket Style Fence And Hinge Set.....	711.70	66.71
For Self-Closing Hinge Set, Add	14.50	
For Self-Closing Stainless Steel Hinge Set, Add	38.50	
32 31 23 00-0061 EA 4' High x 6' Wide Vinyl Gate For Picket Style Fence And Hinge Set.....	846.01	69.61
For Self-Closing Hinge Set, Add	14.50	
For Self-Closing Stainless Steel Hinge Set, Add	38.50	
<b>32 31 23 00-0062 5' High Gates For Picket Fences</b> (32 31 23 00-0051)		
32 31 23 00-0063 EA 5' High x 3' Wide Vinyl Gate For Picket Style Fence And Hinge Set.....	634.18	63.81
For Self-Closing Hinge Set, Add	14.50	
For Self-Closing Stainless Steel Hinge Set, Add	38.50	
32 31 23 00-0064 EA 5' High x 4' Wide Vinyl Gate For Picket Style Fence And Hinge Set.....	663.89	66.71
For Self-Closing Hinge Set, Add	14.50	
For Self-Closing Stainless Steel Hinge Set, Add	38.50	
32 31 23 00-0065 EA 5' High x 5' Wide Vinyl Gate For Picket Style Fence And Hinge Set.....	771.30	69.61
For Self-Closing Hinge Set, Add	14.50	
For Self-Closing Stainless Steel Hinge Set, Add	38.50	
32 31 23 00-0066 EA 5' High x 6' Wide Vinyl Gate For Picket Style Fence And Hinge Set.....	911.58	72.52
For Self-Closing Hinge Set, Add	14.50	
For Self-Closing Stainless Steel Hinge Set, Add	38.50	
<b>32 31 23 00-0067 6' High Gates For Picket Fences</b> (32 31 23 00-0051)		
32 31 23 00-0068 EA 6' High x 3' Wide Vinyl Gate For Picket Style Fence And Hinge Set.....	669.69	69.61
For Self-Closing Hinge Set, Add	14.50	
For Self-Closing Stainless Steel Hinge Set, Add	38.50	
32 31 23 00-0069 EA 6' High x 4' Wide Vinyl Gate For Picket Style Fence And Hinge Set.....	699.40	72.52
For Self-Closing Hinge Set, Add	14.50	
For Self-Closing Stainless Steel Hinge Set, Add	38.50	
32 31 23 00-0070 EA 6' High x 5' Wide Vinyl Gate For Picket Style Fence And Hinge Set.....	857.61	75.42
For Self-Closing Hinge Set, Add	14.50	
For Self-Closing Stainless Steel Hinge Set, Add	38.50	
32 31 23 00-0071 EA 6' High x 6' Wide Vinyl Gate For Picket Style Fence And Hinge Set.....	953.08	78.32
For Self-Closing Hinge Set, Add	14.50	
For Self-Closing Stainless Steel Hinge Set, Add	38.50	
<b>32 31 23 00-0072 Gates Accessories</b> (32 31 23 00-0029)		
32 31 23 00-0073 EA Gate Stop/Drop Rod .....	136.58	
32 31 23 00-0074 EA Latch Set .....	93.24	
32 31 23 00-0075 EA Stainless Steel Latch Set.....	136.58	
<b>32 31 26 Wire Fences and Gates</b> (32 31)		
<b>32 31 26 13 Wire Fences with Steel Posts</b> (32 31 26)		
<b>32 31 26 13-0001 Chicken Wire</b> (32 31 26 13)		
Note: Posts at 4'.		
32 31 26 13-0002 LF 4' High, 1" Mesh, Chicken Wire Fence, Metal Posts At 4'.....	8.14	1.67
32 31 26 13-0003 LF 6' High, 2" Mesh, Chicken Wire Fence, Metal Posts At 4'.....	8.83	1.67
<b>32 31 26 13-0004 Wire And Screen</b> (32 31 26 13)		
<b>32 31 26 13-0005 Wire And Screen For Partitions And Fences</b> (32 31 26 13-0004)		
Note: Excludes framing and post.		
<b>32 31 26 13-0006 Screen Wire</b> (32 31 26 13-0005)		
32 31 26 13-0007 LF Screen Wire, 48" Wide Rolls.....	13.76	1.17

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences and Gates**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>32 31 26 13-0008 Hog Wire</b> <small>(32 31 26 13-0005)</small>		
32 31 26 13-0009 SF 4" x 4" Hog Wire For Fencing .....	2.40	0.93
32 31 26 13-0010 SF 6" x 6" Hog Wire For Fencing .....	2.51	1.06
<b>32 31 26 13-0011 Non-Climb Horse Fence</b> <small>(32 31 26 13-0005)</small>		
32 31 26 13-0012 LF 4' Non-Climb Woven, 12.5 Gauge, Horse Fence .....	10.92	3.74
32 31 26 13-0013 LF 5' Non-Climb Woven, 12.5 Gauge, Horse Fence .....	14.03	4.67
32 31 26 13-0014 LF 6' Non-Climb Woven, 12.5 Gauge, Horse Fence .....	17.64	5.61
<b>32 31 26 13-0015 Screen For Partitions And Ceilings</b> <small>(32 31 26 13-0004)</small>		
Note: Can be used to support insulation on walls and ceilings.		
32 31 26 13-0016 SF 1" Mesh Chicken Wire .....	2.33	0.66
<b>32 31 26 13-0017 Wicket Fence</b> <small>(32 31 26 13)</small>		
32 31 26 13-0018 LF Steel Wicket Fence, Painted .....	82.95	5.13
<b>32 31 29 Wood Fences and Gates</b> <small>(32 31)</small>		
See CSI section 32 31 13 13-0001 for drilling for augering holes and backfill.		
<b>32 31 29 00-0001 Basket Weave</b> <small>(32 31 29)</small>		
Note: 3/8" x 4" boards, 4" x 4" post		
32 31 29 00-0002 LF 6' High #1 Cedar Basket Weave Fence 3/8" x 4" Boards, 4" x 4" Post .....	41.39	3.33
For Fastening With Screws Instead Of Nails, Add	2.42	
32 31 29 00-0003 LF 6' High, Pressure Treated Pine Basket Weave 3/8" x 4" Boards, 4" x 4" Post .....	27.09	3.33
For Fastening With Screws Instead Of Nails, Add	1.73	
<b>32 31 29 00-0004 Board Fence</b> <small>(32 31 29)</small>		
Note: 1x4" board, 2x4" rail, 4x4" post.		
32 31 29 00-0005 LF Two 2" x 4" Rails, 3' High 1" x 4" Boards, Preservative Treated Board Fence .....	26.46	3.33
For 1" x 6" Boards, Deduct	-2.75	
For 1" x 3" Boards (Stockade Top), Add	3.40	
For Fastening With Screws Instead Of Nails, Add	1.71	
32 31 29 00-0006 LF Two 2" x 4" Rails, 4' High 1" x 4" Boards, Preservative Treated Board Fence .....	29.48	3.33
For 1" x 6" Boards, Deduct	-2.99	
For 1" x 3" Boards (Stockade Top), Add	3.69	
For Fastening With Screws Instead Of Nails, Add	1.89	
32 31 29 00-0007 LF Three 2" x 4" Rails, 5' High 1" x 4" Boards, Preservative Treated Board Fence .....	32.98	3.33
For 1" x 6" Boards, Deduct	-3.20	
For 1" x 3" Boards (Stockade Top), Add	3.90	
For Fastening With Screws Instead Of Nails, Add	2.08	
32 31 29 00-0008 LF Three 2" x 4" Rails, 6' High 1" x 4" Boards, Preservative Treated Board Fence .....	35.24	3.33
For 1" x 6" Boards, Deduct	-3.37	
For 1" x 3" Boards (Stockade Top), Add	4.08	
For Fastening With Screws Instead Of Nails, Add	2.21	
32 31 29 00-0009 LF Three 2" x 4" Rails, 8' High 1" x 4" Boards, Preservative Treated Board Fence .....	37.69	3.33
For 1" x 6" Boards, Deduct	-3.54	
For 1" x 3" Boards (Stockade Top), Add	4.27	
For Fastening With Screws Instead Of Nails, Add	2.35	
32 31 29 00-0010 LF Two 2" x 4" Rails, 3' High 1" x 4" #2 Grade Western Cedar Board Fence .....	28.33	3.33
For 1" x 6" Boards, Deduct	-2.82	
For 1" x 3" Boards (Stockade Top), Add	3.46	
For Fastening With Screws Instead Of Nails, Add	1.80	
32 31 29 00-0011 LF Two 2" x 4" Rails, 4' High 1" x 4" #2 Grade Western Cedar Board Fence .....	30.92	3.33
For 1" x 6" Boards, Deduct	-3.05	
For 1" x 3" Boards (Stockade Top), Add	3.73	
For Fastening With Screws Instead Of Nails, Add	1.96	
32 31 29 00-0012 LF Three 2" x 4" Rails, 5' High 1" x 4" #2 Grade Western Cedar Board Fence .....	32.98	3.33
For 1" x 6" Boards, Deduct	-3.20	
For 1" x 3" Boards (Stockade Top), Add	3.90	
For Fastening With Screws Instead Of Nails, Add	2.08	
32 31 29 00-0013 LF Three 2" x 4" Rails, 6' High 1" x 4" #2 Grade Western Cedar Board Fence .....	35.24	3.33
For 1" x 6" Boards, Deduct	-3.37	
For 1" x 3" Boards (Stockade Top), Add	4.08	
For Fastening With Screws Instead Of Nails, Add	2.21	
32 31 29 00-0014 LF Three 2" x 4" Rails, 8' High 1" x 4" #2 Grade Western Cedar Board Fence .....	37.69	3.33
For 1" x 6" Boards, Deduct	-3.54	
For 1" x 3" Boards (Stockade Top), Add	4.27	
For Fastening With Screws Instead Of Nails, Add	2.35	
32 31 29 00-0015 LF Two 2" x 4" Rails, 3' High 1" x 4" #1 Grade Cedar Board Fence .....	28.34	3.33
For 1" x 6" Boards, Deduct	-2.82	
For 1" x 3" Boards (Stockade Top), Add	3.46	
For Fastening With Screws Instead Of Nails, Add	1.80	
32 31 29 00-0016 LF Two 2" x 4" Rails, 4' High 1" x 4" #1 Grade Cedar Board Fence .....	37.33	3.33
For 1" x 6" Boards, Deduct	-3.31	
For 1" x 3" Boards (Stockade Top), Add	3.92	
For Fastening With Screws Instead Of Nails, Add	2.28	



		<b>Exterior Improvements</b>	<b>32</b>
		Site Improvements	32 30
		Fences and Gates	32 31
			<b>32</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 29 00-0017 LF Three 2" x 4" Rails, 5' High 1" x 4" #1 Grade Cedar Board Fence..... <i>For 1" x 6" Boards, Deduct</i> <i>For 1" x 3" Boards (Stockade Top), Add</i> <i>For Fastening With Screws Instead Of Nails, Add</i>	39.12 -3.45 4.08 2.38	3.33
32 31 29 00-0018 LF Three 2" x 4" Rails, 6' High 1" x 4" #1 Grade Cedar Board Fence..... <i>For 1" x 6" Boards, Deduct</i> <i>For 1" x 3" Boards (Stockade Top), Add</i> <i>For Fastening With Screws Instead Of Nails, Add</i>	42.11 -3.64 4.29 2.55	3.33
32 31 29 00-0019 LF Three 2" x 4" Rails, 8' High 1" x 4" #1 Grade Cedar Board Fence..... <i>For 1" x 6" Boards, Deduct</i> <i>For 1" x 3" Boards (Stockade Top), Add</i> <i>For Fastening With Screws Instead Of Nails, Add</i>	45.34 -3.85 4.50 2.73	3.33
<b>32 31 29 00-0020 Shadow Box</b> <small>(32 31 29)</small> Note: 1x6" board, 2x4" Rail, 4x4" post.		
32 31 29 00-0021 LF Shadow Box, 3 - 2" x 4" Rails, 6' High 1" x 6" Pressure Treated Pine ..... <i>For Fastening With Screws Instead Of Nails, Add</i>	57.69 3.23	3.33
32 31 29 00-0022 LF Shadow Box, 3 - 2" x 4" Rails, 4' High 1" x 4" #1 Cedar ..... <i>For Fastening With Screws Instead Of Nails, Add</i>	72.54 4.04	3.33
32 31 29 00-0023 LF Shadow Box, 3 - 2" x 4" Rails, 6' High 1" x 4" #1 Cedar ..... <i>For Fastening With Screws Instead Of Nails, Add</i>	79.07 4.38	3.33
32 31 29 00-0024 LF Shadow Box, 3 - 2" x 4" Rails, 8' High 1" x 4" #1 Cedar ..... <i>For Fastening With Screws Instead Of Nails, Add</i>	84.97 4.71	3.33
<b>32 31 29 00-0025 Open Rail Fence</b> <small>(32 31 29)</small>		
<b>32 31 29 00-0026 Post And Rail Fence, Ranch Style</b> <small>(32 31 29 00-0025)</small>		
32 31 29 00-0027 LF Post And Rail Fence, 2 Rails, 3' High #1 Cedar .....	26.55	3.33
32 31 29 00-0028 LF Post And Rail Fence, 2 Rails, 3' High #2 Cedar .....	20.59	3.33
32 31 29 00-0029 LF Post And Rail Fence, 3 Rails, 4' High #1 Cedar .....	31.53	3.33
32 31 29 00-0030 LF Post And Rail Fence, 3 Rails, 4' High #2 Cedar .....	22.26	3.33
<b>32 31 29 00-0031 Split Rail Fence</b> <small>(32 31 29 00-0025)</small>		
32 31 29 00-0032 LF Split Rail Fence, 2 Rails, 3' High #1 Cedar .....	25.02	3.33
32 31 29 00-0033 LF Split Rail Fence, 2 Rails, 3' High #2 Cedar .....	20.53	3.33
32 31 29 00-0034 LF Split Rail Fence, 3 Rail, 4' High #1 Cedar .....	28.61	3.33
32 31 29 00-0035 LF Split Rail Fence, 3 Rail, 4' High #2 Cedar .....	23.12	3.33
<b>32 31 29 00-0036 Picket Fence</b> <small>(32 31 29)</small>		
32 31 29 00-0037 LF Picket Fence, 2 Rail, 3' High, Pressure Treated ..... <i>For Fastening With Screws Instead Of Nails, Add</i>	30.34 1.91	3.33
32 31 29 00-0038 LF Picket Fence, 2 Rail, 3' High #1 Cedar ..... <i>For Fastening With Screws Instead Of Nails, Add</i>	28.29 1.81	3.33
<b>32 31 29 00-0039 Wood Fence Post Accessories</b> <small>(32 31 29)</small>		
32 31 29 00-0040 EA 3-1/2" x 3-1/2" Copper, Pyramid Slip Over, Wood Fence Post Cap.....	44.13	
32 31 29 00-0041 EA 4" x 4" Copper, Pyramid Slip Over, Wood Fence Post Cap.....	49.73	
32 31 29 00-0042 EA 6" x 6" Copper, Pyramid Slip Over, Wood Fence Post Cap.....	54.08	
32 31 29 00-0043 EA 8" x 8" Copper, Pyramid Slip Over, Wood Fence Post Cap.....	80.84	
<b>32 31 29 00-0044 Wood Gate</b> <small>(32 31 29)</small>		
<b>32 31 29 00-0045 Board Fence Gates, Pressure Treated Wood</b> <small>(32 31 29 00-0044)</small> Note: Includes galvanized extra duty hinges (1-1/2 butts per leaf), a galvanized latch and extra heavy-duty wheels per leaf, based on 2x4 frame, 1x4 cover, galvanized nails and hinges (treated lumber).		
32 31 29 00-0046 EA 3' To 5' High x 3' Wide, Pressure Treated Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware .....	430.12	133.81
32 31 29 00-0047 EA 3' To 5' High x 3'-6" Wide, Pressure Treated Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware.....	475.44	141.83
32 31 29 00-0048 EA 3' To 5' High x 4' Wide, Pressure Treated Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware .....	531.45	155.22
32 31 29 00-0049 EA 3' To 5' High x 5' Wide, Pressure Treated Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware .....	602.76	163.25
32 31 29 00-0050 EA 3' To 5' High x 6' Wide, Pressure Treated Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware .....	674.06	171.28
32 31 29 00-0051 EA >5' To 8' High x 3' Wide, Pressure Treated Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware .....	548.27	176.63
32 31 29 00-0052 EA >5' To 8' High x 3'-6" Wide, Pressure Treated Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware..... Hardware.....	596.82	184.66
32 31 29 00-0053 EA >5' To 8' High x 4' Wide, Pressure Treated Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware .....	645.39	192.69
32 31 29 00-0054 EA >5' To 8' High x 5' Wide, Pressure Treated Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware .....	726.44	200.72
32 31 29 00-0055 EA >5' To 8' High x 6' Wide, Pressure Treated Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware .....	791.25	208.74
<b>32 31 29 00-0056 Board Fence Gates, Grade 2 Cedar</b> <small>(32 31 29 00-0044)</small> Note: Includes galvanized extra duty hinges (1-1/2 butts per leaf), a galvanized latch and extra heavy-duty wheels per leaf, based on 2x4 frame, 1x4 cover, galvanized nails and hinges (cedar lumber)		
32 31 29 00-0057 EA 3' To 5' High x 3' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware.....	646.91	104.07
32 31 29 00-0058 EA 3' To 5' High x 3'-6" Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware.....	669.15	110.32
32 31 29 00-0059 EA 3' To 5' High x 4' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware .....	702.96	120.72
32 31 29 00-0060 EA 3' To 5' High x 5' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware .....	741.46	126.97
32 31 29 00-0061 EA 3' To 5' High x 6' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware.....	789.70	133.22

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences and Gates**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 29 00-0062 EA >5' To 8' High x 3' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware .....	762.28	137.38
32 31 29 00-0063 EA >5' To 8' High x 3'-6" Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware.....	791.02	143.62
32 31 29 00-0064 EA >5' To 8' High x 4' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware .....	836.01	149.87
32 31 29 00-0065 EA >5' To 8' High x 5' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware .....	880.99	156.11
32 31 29 00-0066 EA >5' To 8' High x 6' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware .....	925.98	162.36
<b>32 31 29 00-0067 Board Fence Gates, Grade 1 Cedar</b> <small>(32 31 29 00-0044)</small>		
Note: Includes galvanized extra duty hinges (1-1/2 butts per leaf), a galvanized latch and extra heavy-duty wheels per leaf, based on 2x4 frame, 1x4 cover, galvanized nails and hinges (cedar lumber)		
32 31 29 00-0068 EA 3' To 5' High x 3' Wide, #1 Cedar Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware .....	695.67	104.07
32 31 29 00-0069 EA 3' To 5' High x 3'-6" Wide, #1 Cedar Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware.....	724.41	110.32
32 31 29 00-0070 EA 3' To 5' High x 4' Wide, #1 Cedar Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware .....	761.47	120.72
32 31 29 00-0071 EA 3' To 5' High x 5' Wide, #1 Cedar Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware .....	806.46	126.97
32 31 29 00-0072 EA 3' To 5' High x 6' Wide, #1 Cedar Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware .....	851.45	133.22
32 31 29 00-0073 EA >5' To 8' High x 3' Wide, #1 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware .....	827.28	137.38
32 31 29 00-0074 EA >5' To 8' High x 3'-6" Wide, #1 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware.....	856.02	143.62
32 31 29 00-0075 EA >5' To 8' High x 4' Wide, #1 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware .....	901.01	149.87
32 31 29 00-0076 EA >5' To 8' High x 5' Wide, #1 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware .....	945.99	156.11
32 31 29 00-0077 EA >5' To 8' High x 6' Wide, #1 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware .....	1,007.23	162.36
<b>32 31 29 00-0078 Pressure Treated Wood Fence Posts</b> <small>(32 31 29)</small>		
See CSI section 32 31 13 13-0001 for drilling augering, 32 31 13 13-0678 for barbed wire, 32 31 56 00-0017 for barbed wire.		
32 31 29 00-0079 EA 4' High, Pressure Treated Wood Fence Posts, Set In Soil, Earth Fill.....	40.96	13.39
32 31 29 00-0080 EA 6' High, Pressure Treated Wood Fence Posts, Set In Soil, Earth Fill.....	46.10	13.39
32 31 29 00-0081 EA 4' High, Pressure Treated Wood Fence Posts, Set In Concrete .....	72.18	25.69
32 31 29 00-0082 EA 6' High, Pressure Treated Wood Fence Posts, Set In Concrete .....	78.03	25.69
<b>32 31 29 00-0083 Wood Utility Pole Fence</b> <small>(32 31 29)</small>		
Note: Excludes post holes. See CSI section 32 31 13 13-0001 for drilling augering and backfill.		
32 31 29 00-0084 LF Wood Utility Pole Barrier Fence .....	51.38	3.33
Note: Includes notching post, drilling and pinned with #5 rebar.		
<b>32 31 29 00-0085 Wood Rail Fence</b> <small>(32 31 29)</small>		
Note: 3" diameter treated lodgepole pine rails, 6" diameter treated lodgepole pine post. Posts at 8' centers. Excludes post holes and fill		
32 31 29 00-0086 LF 4' Above Ground Wood Rail Fence, 3 - 3" Diameter Treated Lodgepole Pine Rails, 6" Diameter, 6' Overall Treated Lodgepole Pine Post .....	26.61	3.33
<b>32 31 34 Tubular Barrier Gates</b> <small>(32 31)</small>		
<b>32 31 34 00-0001 Tube Gate</b> <small>(32 31 34)</small>		
See CSI section 32 31 13 13-0001 for augering post holes and concrete fill, 32 31 13 13-0644 for gate accessories.		
<b>32 31 34 00-0002 50" Height, 2" Diameter 16 Gauge Powder Coated Tubing, Six Rail Tube Gate</b> <small>(32 31 34 00-0001)</small>		
Note: Round top edges. Includes lag bolt hinges, lock plate and hardware. Excludes augering, concrete, bollard and chain.		
32 31 34 00-0003 EA 4' Wide, 50" Height, 2" Diameter 16 Gauge Powder Coated Tubing, Six Rail Tube Gate .....	199.68	25.77
For 13 Gauge Tubing, Add 32.30		
For Galvanized Finish, Add 18.50		
32 31 34 00-0004 EA 6' Wide, 50" Height, 2" Diameter 16 Gauge Powder Coated Tubing, Six Rail Tube Gate .....	259.51	33.41
For 13 Gauge Tubing, Add 41.88		
For Galvanized Finish, Add 23.89		
32 31 34 00-0005 EA 8' Wide, 50" Height, 2" Diameter 16 Gauge Powder Coated Tubing, Six Rail Tube Gate .....	350.31	42.95
For 13 Gauge Tubing, Add 57.18		
For Galvanized Finish, Add 33.22		
32 31 34 00-0006 EA 10' Wide, 50" Height, 2" Diameter 16 Gauge Powder Coated Tubing, Six Rail Tube Gate .....	403.70	53.45
For 13 Gauge Tubing, Add 64.51		
For Galvanized Finish, Add 36.21		
32 31 34 00-0007 EA 12' Wide, 50" Height, 2" Diameter 16 Gauge Powder Coated Tubing, Six Rail Tube Gate .....	478.95	63.57
For 13 Gauge Tubing, Add 76.70		
For Galvanized Finish, Add 43.21		
32 31 34 00-0008 EA 14' Wide, 50" Height, 2" Diameter 16 Gauge Powder Coated Tubing, Six Rail Tube Gate .....	522.79	71.59
For 13 Gauge Tubing, Add 83.08		
For Galvanized Finish, Add 46.20		
32 31 34 00-0009 EA 16' Wide, 50" Height, 2" Diameter 16 Gauge Powder Coated Tubing, Six Rail Tube Gate .....	613.92	82.57
For 13 Gauge Tubing, Add 97.97		
For Galvanized Finish, Add 54.86		
<b>32 31 34 00-0010 33" Height, 1-3/4" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate</b> <small>(32 31 34 00-0001)</small>		
Note: Round top edges. Includes lag bolt hinges, lock plate and hardware. Excludes augering and concrete.		
32 31 34 00-0011 EA 4' Wide, 33" Height, 1-3/4" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate .....	261.49	25.77
For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add 74.05		



<b>Exterior Improvements</b>	<b>32</b>	<b>32</b>
Site Improvements	32 30	
Fences and Gates	32 31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 34 00-0012 EA 6' Wide, 33" Height, 1-3/4" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate.....	312.68	33.41
<i>For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add</i>	84.98	
32 31 34 00-0013 EA 8' Wide, 33" Height, 1-3/4" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate.....	373.45	42.95
<i>For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add</i>	97.84	
32 31 34 00-0014 EA 10' Wide, 33" Height, 1-3/4" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate.....	430.05	53.45
<i>For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add</i>	107.11	
32 31 34 00-0015 EA 12' Wide, 33" Height, 1-3/4" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate.....	487.58	63.57
<i>For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add</i>	118.67	
32 31 34 00-0016 EA 14' Wide, 33" Height, 1-3/4" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate.....	540.07	71.59
<i>For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add</i>	130.12	
32 31 34 00-0017 EA 16' Wide, 33" Height, 1-3/4" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate.....	603.10	82.57
<i>For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add</i>	141.97	
32 31 34 00-0018 EA 18' Wide, 33" Height, 1-3/4" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate.....	693.04	92.92
<i>For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add</i>	164.58	
32 31 34 00-0019 EA 20' Wide, 33" Height, 1-3/4" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate.....	772.70	103.95
<i>For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add</i>	194.54	
<b>32 31 34 00-0020 33" Height, 2" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate</b>		
<small>(32 31 34 00-0001)</small>		
Note: Round top edges. Includes lag bolt hinges, lock plate and hardware. Excludes augering and concrete.		
32 31 34 00-0021 EA 4' Wide, 33" Height, 2" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate.....	283.17	25.77
<i>For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add</i>	82.72	
32 31 34 00-0022 EA 6' Wide, 33" Height, 2" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate.....	334.00	33.41
<i>For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add</i>	93.51	
32 31 34 00-0023 EA 8' Wide, 33" Height, 2" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate.....	387.90	42.95
<i>For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add</i>	103.62	
32 31 34 00-0024 EA 10' Wide, 33" Height, 2" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate.....	451.14	53.45
<i>For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add</i>	115.55	
32 31 34 00-0025 EA 12' Wide, 33" Height, 2" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate.....	502.82	63.57
<i>For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add</i>	124.77	
32 31 34 00-0026 EA 14' Wide, 33" Height, 2" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate.....	575.66	71.59
<i>For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add</i>	144.36	
32 31 34 00-0027 EA 16' Wide, 33" Height, 2" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate.....	641.74	82.57
<i>For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add</i>	157.43	
32 31 34 00-0028 EA 18' Wide, 33" Height, 2" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate.....	752.00	92.92
<i>For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add</i>	188.17	
32 31 34 00-0029 EA 20' Wide, 33" Height, 2" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate.....	825.72	103.95
<i>For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add</i>	215.74	
<b>32 31 34 00-0030 Tubular Steel Barrier Gate (Triangular Shape)</b>		
<small>(32 31 34 00-0001)</small>		
Note: Includes posts, caps, welded hinges and lock keeper. Excludes augering, concrete, and bollards.		
32 31 34 00-0031 EA 4' High x 10' Wide Opening Tubular Galvanized Steel Barrier Gate With 3" Diameter Post.....	2,232.65	53.45
<i>For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add</i>	742.42	
32 31 34 00-0032 EA 4' High x 12' Wide Opening Tubular Galvanized Steel Barrier Gate With 3" Diameter Post.....	2,420.52	63.57
<i>For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add</i>	796.05	
32 31 34 00-0033 EA 4' High x 14' Wide Opening Tubular Galvanized Steel Barrier Gate With 3" Diameter Post.....	2,869.71	71.59
<i>For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add</i>	956.64	
32 31 34 00-0034 EA 4' High x 10' Wide Opening Tubular Galvanized Steel Barrier Gate With 4" Diameter Post.....	2,318.07	53.45
<i>For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add</i>	776.30	
32 31 34 00-0035 EA 4' High x 12' Wide Opening Tubular Galvanized Steel Barrier Gate With 4" Diameter Post.....	2,518.14	63.57
<i>For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add</i>	834.76	
32 31 34 00-0036 EA 4' High x 14' Wide Opening Tubular Galvanized Steel Barrier Gate With 4" Diameter Post.....	2,967.33	71.59
<i>For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add</i>	995.34	
<b>32 31 34 00-0037 Four Rail Tube Gate, 1-1/2" Diameter Welded Galvanized Steel Tubing</b>		
<small>(32 31 34 00-0001)</small>		
Note: Excludes augering holes and concrete.		
32 31 34 00-0038 EA 4' Four Rail Metal Frame Tube Gate, 1-1/2" Diameter Welded Galvanized Steel With Posts.....	444.01	25.77
<i>For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add</i>	40.15	
<b>32 31 34 00-0039 Tubular Horse Gate</b>		
<small>(32 31 34 00-0001)</small>		
Note: Includes posts, caps and hardware. Treated with Natina (or Equal) galvanized surface stain "rustic brown finish". Excludes augering holes and concrete.		
32 31 34 00-0040 EA 5-1/2' Above Ground, 5' Wide Tubular Galvanized Steel Horse Gate With 3" Diameter Posts.....	3,711.76	25.77
<i>For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add</i>	1,121.99	
<b>32 31 34 00-0041 Pipe Gate</b>		
<small>(32 31 34)</small>		
Note: Excludes augering and concrete. See CSI section 32 31 13 13-0001 for augering post holes and concrete fill.		
32 31 34 00-0042 EA 20' Galvanized Steel Pipe Gate, Swinging (Road Access Barrier).....	4,062.26	
32 31 34 00-0043 EA 25' Galvanized Steel Pipe Gate, Swinging (Road Access Barrier).....	5,084.11	
32 31 34 00-0044 EA 30' Galvanized Steel Pipe Gate, Swinging (Road Access Barrier).....	6,061.15	
<b>32 31 41 Precast Concrete Fences</b>		
<small>(32 31)</small>		

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences and Gates**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>32 31 41 00-0001</b> <b>Precast Post And Rail Fence, Ranch Style, With Integral Color Concrete.</b> <sup>(32 31 41)</sup> Note: Includes post holes, fill, spreading of excess material on site. See CSI section 32 31 13 13-0001 for drilling for augering holes and backfill.		
32 31 41 00-0002      LF      Precast Post And Rail Fence With Integral Color Concrete, 2 Rails, 3' Above Ground With 2' Bury ..... Note: Includes 12" diameter holes with concrete fill for line posts and 18" diameter holes with concrete fill at corners.	67.00	3.33
<b>32 31 56      Wild Life Deterrent Fence</b> <sup>(32 31)</sup>		
<b>32 31 56 00-0001</b> <b>Barbed Wire Fences</b> <sup>(32 31 56)</sup> Note: Excludes post holes and fill See CSI section 32 31 13 13-0001 for drilling for augering holes and backfill.		
<b>32 31 56 00-0002</b> <b>Fence Posts</b> <sup>(32 31 56 00-0001)</sup>		
<b>32 31 56 00-0003</b> <b>Fence Post Soil, Set In Concrete</b> <sup>(32 31 56 00-0002)</sup>		
32 31 56 00-0004      EA      Barbed Wire Fence Post, Galvanized Set In Concrete In Soil ..... <i>For Bracing On Corner Post, End Post And Pull Post, Add</i>	101.28 163.73	7.64
32 31 56 00-0005      EA      Barbed Wire Fence Post, Vinyl Coated Set In Concrete In Soil ..... <i>For Bracing On Corner Post, End Post And Pull Post, Add</i>	137.41 224.07	7.64
<b>32 31 56 00-0006</b> <b>Post In Rock</b> <sup>(32 31 56 00-0002)</sup>		
32 31 56 00-0007      EA      Barbed Wire Fence Post, Galvanized Grouted In Rock ..... <i>For Bracing On Corner Post, End Post And Pull Post, Add</i>	99.61 161.22	7.64
32 31 56 00-0008      EA      Barbed Wire Fence Post, Vinyl Coated Grouted In Rock ..... <i>For Bracing On Corner Post, End Post And Pull Post, Add</i>	135.74 221.56	7.64
<b>32 31 56 00-0009</b> <b>Studded Steel T-Posts, Enamel Paint Finish</b> <sup>(32 31 56 00-0001)</sup> Note: Posts for barb wire, chain link or welded wire mesh.		
32 31 56 00-0010      EA      5' Studded Steel T-Post, Driven Into Earth ..... 32 31 56 00-0011      EA      5'-6" Studded Steel T-Post, Driven Into Earth ..... 32 31 56 00-0012      EA      6' Studded Steel T-Post, Driven Into Earth ..... 32 31 56 00-0013      EA      6'-6" Studded Steel T-Post, Driven Into Earth ..... 32 31 56 00-0014      EA      7' Studded Steel T-Post, Driven Into Earth ..... 32 31 56 00-0015      EA      8' Studded Steel T-Post, Driven Into Earth ..... 32 31 56 00-0016      EA      10' Studded Steel T-Post, Driven Into Earth .....	25.04 25.65 26.86 28.08 29.71 33.57 41.25	
<b>32 31 56 00-0017</b> <b>Barbed Wire</b> <sup>(32 31 56 00-0001)</sup> Note: Per strand.		
32 31 56 00-0018      LF      Galvanized Barbed Wire For Wild Life Deterrent Fencing, Per Strand ..... 32 31 56 00-0019      LF      Vinyl Coated Barbed Wire, For Wild Life Deterrent Fencing, Per Strand .....	0.85 0.99	0.38 0.38
<b>32 31 56 00-0020</b> <b>Barbed Wire Fence, Farm Style, With Wood Posts</b> <sup>(32 31 56 00-0001)</sup> Note: Based on post at 10' centers, two corner post and two pull post per 300 lf. Note: Posts at 10' maximum.		
32 31 56 00-0021      LF      4'-6" Height, Three (3) Strand Barbed Wire Fence With Wood Posts .....	11.49	2.48
<b>32 32      Retaining Walls</b> <sup>(32 30)</sup>		
<b>32 32 13      Cast-In-Place Concrete Retaining Wall</b> <sup>(32 32)</sup> Note: System includes all necessary forms (4 uses), 3000 PSI concrete with an 8" chute, all necessary reinforcing steel, and underdrain. Exposed concrete is patched and rubbed. Excludes initial site grading, subbase preparation or finish grading.		
<b>32 32 13 00-0001</b> <b>Concrete Retaining Walls</b> <sup>(32 32 13)</sup> Note: System elements include all necessary forms (4 uses), 3000 PSI concrete with an 8" chute, all necessary reinforcing steel, and underdrain. Exposed concrete is patched and rubbed. Excludes initial site grading, subbase preparation or finish grading.		
32 32 13 00-0002      LF      4' High With Base, 10" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall ..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	381.32 9.65	133.95
32 32 13 00-0003      LF      6' High With Base, 10" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall ..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	476.31 12.46	164.83
32 32 13 00-0004      LF      8' High With Base, 10" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall ..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	519.37 13.92	177.79
32 32 13 00-0005      LF      10' High With Base, 13" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall ..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	663.59 19.04	219.83
32 32 13 00-0006      LF      12' High With Base, 14" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall ..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	765.00 22.09	252.51
32 32 13 00-0007      LF      16' High With Base, 16" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall ..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	1,105.20 30.98	370.44
32 32 13 00-0008      LF      20' High With Base, 18" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall ..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	1,516.32 41.94	511.41
32 32 13 00-0009      LF      4' High With Base, 12" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall ..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	419.29 10.77	146.29
32 32 13 00-0010      LF      6' High With Base, 12" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall ..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	514.08 13.74	176.26
32 32 13 00-0011      LF      8' High With Base, 12" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall ..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	545.12 15.07	183.91





<b>Exterior Improvements</b>	<b>32</b>	<b>32</b>
Site Improvements	32 30	
Retaining Walls	32 32	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 32 13 00-0012 LF 10' High With Base, 16" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall ..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	751.85 22.00	246.48
32 32 13 00-0013 LF 12' High With Base, 18" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall ..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	952.12 27.11	316.60
32 32 13 00-0014 LF 16' High With Base, 21" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall ..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	1,426.17 39.65	479.90
32 32 13 00-0015 LF 20' High With Base, 24" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall ..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	2,012.69 55.92	677.41
<b>32 32 16 Precast Concrete Retaining Walls (32 32)</b>		
<b>32 32 16 00-0001 Precast Retaining Walls (32 32 16)</b>		
Note: Tied-back earth walls. Includes precast filter fabric, soil reinforcing mesh and cast-in-place coping. Excludes concrete leveling pad, or select earth excavation and backfill.		
32 32 16 00-0002 SF 10-15' High, Tied-back, Precast Concrete Retaining Walls .....	96.24	13.84
32 32 16 00-0003 SF 16-20' High, Tied-back, Precast Concrete Retaining Walls .....	98.88	11.12
32 32 16 00-0004 SF 21-25' High, Tied-back, Precast Concrete Retaining Walls .....	102.58	9.27
32 32 16 00-0005 SF 26-30' High, Tied-back, Precast Concrete Retaining Walls .....	110.93	9.27
32 32 16 00-0006 SF >30' High, Tied-back, Precast Concrete Retaining Walls .....	117.39	7.91
<b>32 32 23 Segmental Retaining Walls (32 32)</b>		
<b>32 32 23 13 Segmental Concrete Unit Masonry Retaining Walls (32 32 23)</b>		
<b>32 32 23 13-0001 Modular Retaining Wall Systems (32 32 23 13)</b>		
Note: Includes installation, material and manufacturer's wall design. Includes stone wall, cap stones, #57 stone backing, Geo-Grid (2/3 height of wall), miradrain and fill with earth, and compaction. Includes cap at top, pins, and installation. Excludes initial site grading, subbase preparation or finish grading.		
<b>32 32 23 13-0002 "Amastone" Type Modular Retaining Wall Systems (32 32 23 13-0001)</b>		
32 32 23 13-0003 SF Up To 4' Height "Amastone" Type Modular Retaining Wall System .....	65.58 4.16	8.35
<i>For &gt;3:1 Sloped Soil At Top, Add</i>		
32 32 23 13-0004 SF 4 To 8' Height "Amastone" Type Modular Retaining Wall System .....	69.19 4.39	8.78
<i>For &gt;3:1 Sloped Soil At Top, Add</i>		
32 32 23 13-0005 SF 8 To 12' Height "Amastone" Type Modular Retaining Wall System .....	72.12 4.49	9.66
<i>For &gt;3:1 Sloped Soil At Top, Add</i>		
32 32 23 13-0006 SF 12 To 16' Height "Amastone" Type Modular Retaining Wall System .....	75.23 4.60	10.54
<i>For &gt;3:1 Sloped Soil At Top, Add</i>		
<b>32 32 23 13-0007 "Diamond" Type Modular Retaining Wall Systems (32 32 23 13-0001)</b>		
32 32 23 13-0008 SF Up To 4' Height "Diamond" Type Modular Retaining Wall System .....	68.14 4.37	8.35
<i>For &gt;3:1 Sloped Soil At Top, Add</i>		
32 32 23 13-0009 SF 4 To 8' Height "Diamond" Type Modular Retaining Wall System .....	71.75 4.61	8.78
<i>For &gt;3:1 Sloped Soil At Top, Add</i>		
32 32 23 13-0010 SF 8 To 12' Height "Diamond" Type Modular Retaining Wall System .....	74.68 4.71	9.66
<i>For &gt;3:1 Sloped Soil At Top, Add</i>		
32 32 23 13-0011 SF 12 To 16' Height "Diamond" Type Modular Retaining Wall System .....	77.78 4.82	10.54
<i>For &gt;3:1 Sloped Soil At Top, Add</i>		
<b>32 32 23 13-0012 "Keystone" Type Modular Retaining Wall Systems (32 32 23 13-0001)</b>		
32 32 23 13-0013 SF Up To 4' Height "Keystone" Type Modular Retaining Wall System .....	74.25 4.89	8.35
<i>For &gt;3:1 Sloped Soil At Top, Add</i>		
32 32 23 13-0014 SF 4 To 8' Height "Keystone" Type Modular Retaining Wall System .....	77.86 5.13	8.78
<i>For &gt;3:1 Sloped Soil At Top, Add</i>		
32 32 23 13-0015 SF 8 To 12' Height "Keystone" Type Modular Retaining Wall System .....	80.79 5.22	9.66
<i>For &gt;3:1 Sloped Soil At Top, Add</i>		
32 32 23 13-0016 SF 12 To 16' Height "Keystone" Type Modular Retaining Wall System .....	83.89 5.34	10.54
<i>For &gt;3:1 Sloped Soil At Top, Add</i>		
<b>32 32 23 13-0017 "Criblock" Type Modular Retaining Wall Systems (32 32 23 13-0001)</b>		
32 32 23 13-0018 SF Up To 4' Height "Criblock" Type Modular Retaining Wall System .....	65.58 4.16 0.25	8.35
<i>For &gt;3:1 Sloped Soil At Top, Add</i>		
<i>For Gravel Backfill Instead Of Earth, Add</i>		
32 32 23 13-0019 SF 4 To 8' Height "Criblock" Type Modular Retaining Wall System .....	69.19 4.39 0.25	8.78
<i>For &gt;3:1 Sloped Soil At Top, Add</i>		
<i>For Gravel Backfill Instead Of Earth, Add</i>		
32 32 23 13-0020 SF 8 To 12' Height "Criblock" Type Modular Retaining Wall System .....	72.12 4.49 0.25	9.66
<i>For &gt;3:1 Sloped Soil At Top, Add</i>		
<i>For Gravel Backfill Instead Of Earth, Add</i>		
32 32 23 13-0021 SF 12 To 16' Height "Criblock" Type Modular Retaining Wall System .....	75.23 4.60 0.25	10.54
<i>For &gt;3:1 Sloped Soil At Top, Add</i>		
<i>For Gravel Backfill Instead Of Earth, Add</i>		
<b>32 32 23 13-0022 "Versa-Lok" Type Modular Retaining Wall Systems (32 32 23 13-0001)</b>		
32 32 23 13-0023 SF Up To 4' Height "Versa-Lok" Type Modular Retaining Wall System .....	57.83 3.50	8.35
<i>For &gt;3:1 Sloped Soil At Top, Add</i>		
32 32 23 13-0024 SF 4 To 8' Height "Versa-Lok" Type Modular Retaining Wall System .....	64.00 3.95	8.78
<i>For &gt;3:1 Sloped Soil At Top, Add</i>		

**32 Exterior Improvements****32 30 Site Improvements****32 32 Retaining Walls**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 32 23 13-0025 SF 8 To 12' Height "Versa-Lok" Type Modular Retaining Wall System.....	66.97	9.66
<i>For &gt;3:1 Sloped Soil At Top, Add</i>	4.05	
32 32 23 13-0026 SF 12 To 16' Height "Versa-Lok" Type Modular Retaining Wall System.....	69.59	10.54
<i>For &gt;3:1 Sloped Soil At Top, Add</i>	4.12	
<b>32 32 23 13-0027 Retaining Wall Cap Block Restoration</b> <small>(32 32 23 13-0001)</small>		
Note: Includes removal of existing cap block and installation of new cap block to match.		
32 32 23 13-0028 LF Removal And Reinstall Retaining Wall Cap Block And Pins.....	32.20	
<i>For &gt;3:1 Sloped Soil At Top, Add</i>	1.64	
<b>32 32 26 Metal Crib Retaining Walls</b> <small>(32 32)</small>		
<b>32 32 26 00-0001 Bin Type Retaining Wall</b> <small>(32 32 26)</small>		
<b>32 32 26 00-0002 Vertical Bin Walls</b> <small>(32 32 26 00-0001)</small>		
Note: Excludes excavation and backfill.		
32 32 26 00-0003 SF 5.5' Vertical Bin Retaining Wall, Wall Heights To 11'.....	73.87	
32 32 26 00-0004 SF 7.7' Vertical Bin Retaining Wall, Wall Heights, 8.33' To 16.33'.....	87.76	
32 32 26 00-0005 SF 9.9' Vertical Bin Retaining Wall, Wall Heights, 13.67' To 21.67'.....	102.28	
32 32 26 00-0006 SF 12.1' Vertical Bin Retain Wall, Wall Heights 17.67' To 25.67'.....	110.62	
32 32 26 00-0007 SF 14.3' Vertical Bin Retain Wall, Wall Heights 20.33' To 28.33'.....	123.50	
32 32 26 00-0008 SF 16.5' Vertical Bin Retain Wall, Wall Heights 20.33' To 28.33'.....	131.84	
<b>32 32 26 00-0009 Battered Bin Walls</b> <small>(32 32 26 00-0001)</small>		
Note: Excludes excavation and backfill.		
32 32 26 00-0010 SF 5.5' Battered Bin Retain Wall, Wall Heights To 11'.....	65.42	
32 32 26 00-0011 SF 7.7' Battered Bin Retain Wall, Wall Heights 8.33' To 16.33'.....	70.97	
32 32 26 00-0012 SF 9.9' Battered Bin Retain Wall, Wall Heights 13.67' To 21.67'.....	79.84	
32 32 26 00-0013 SF 12.1' Battered Bin Retain Wall, Wall Heights 17.67' To 25.67'.....	89.56	
32 32 26 00-0014 SF 14.3' Battered Bin Retain Wall, Wall Heights 20.33' To 28.33'.....	104.81	
32 32 26 00-0015 SF 16.5' Battered Bin Retain Wall, Wall Heights 20.33' To 28.33'.....	107.58	
<b>32 32 26 00-0016 Aluminized Steel Bin</b> <small>(32 32 26)</small>		
Note: Excludes excavation and backfill.		
32 32 26 00-0017 SF 4' High, 5.5' Deep Aluminized Steel Bin.....	49.84	4.89
<i>For &gt;3:1 Sloped Soil At Top, Add</i>	3.41	
<i>For Galvanized Type, Deduct</i>	-4.01	
32 32 26 00-0018 SF 8' High, 5.5' Deep Aluminized Steel Bin.....	56.01	4.89
<i>For &gt;3:1 Sloped Soil At Top, Add</i>	3.92	
<i>For Galvanized Type, Deduct</i>	-4.62	
32 32 26 00-0019 SF 10' High, 7.7' Deep Aluminized Steel Bin.....	59.79	5.34
<i>For &gt;3:1 Sloped Soil At Top, Add</i>	4.18	
<i>For Galvanized Type, Deduct</i>	-4.92	
32 32 26 00-0020 SF 12' High, 7.7' Deep Aluminized Steel Bin.....	68.14	6.03
<i>For &gt;3:1 Sloped Soil At Top, Add</i>	4.77	
<i>For Galvanized Type, Deduct</i>	-5.61	
32 32 26 00-0021 SF 16' High, 7.7' Deep Aluminized Steel Bin.....	65.46	6.25
<i>For &gt;3:1 Sloped Soil At Top, Add</i>	4.51	
<i>For Galvanized Type, Deduct</i>	-5.31	
32 32 26 00-0022 SF 16' High, 9.9' Deep Aluminized Steel Bin.....	73.19	6.37
<i>For &gt;3:1 Sloped Soil At Top, Add</i>	5.15	
<i>For Galvanized Type, Deduct</i>	-6.06	
32 32 26 00-0023 SF 20' High, 9.9' Deep Aluminized Steel Bin.....	81.28	6.71
<i>For &gt;3:1 Sloped Soil At Top, Add</i>	5.76	
<i>For Galvanized Type, Deduct</i>	-6.78	
32 32 26 00-0024 SF 20' High, 12.1' Deep Aluminized Steel Bin.....	83.20	7.05
<i>For &gt;3:1 Sloped Soil At Top, Add</i>	5.88	
<i>For Galvanized Type, Deduct</i>	-6.92	
32 32 26 00-0025 SF 24' High, 12.1' Deep Aluminized Steel Bin.....	87.65	7.05
<i>For &gt;3:1 Sloped Soil At Top, Add</i>	6.25	
<i>For Galvanized Type, Deduct</i>	-7.36	
32 32 26 00-0026 SF 24' High, 14.3' Deep Aluminized Steel Bin.....	92.08	7.16
<i>For &gt;3:1 Sloped Soil At Top, Add</i>	6.62	
<i>For Galvanized Type, Deduct</i>	-7.79	
32 32 26 00-0027 SF 28' High, 14.3' Deep Aluminized Steel Bin.....	95.21	7.27
<i>For &gt;3:1 Sloped Soil At Top, Add</i>	6.86	
<i>For Galvanized Type, Deduct</i>	-8.08	
<b>32 32 29 Timber Retaining Walls</b> <small>(32 32)</small>		
<b>32 32 29 00-0001 Wood Post Retaining Walls</b> <small>(32 32 29)</small>		
Note: System includes wood posts installed side-by-side to various heights, and underdrain. Excludes initial site grading, subbase preparation or finish grading.		
32 32 29 00-0002 LF 4" x 4", 1' High, Redwood, Wood Post Retaining Walls.....	85.18	29.14
<i>For &gt;3:1 Sloped Soil At Top, Add</i>	2.30	
32 32 29 00-0003 LF 4" x 4", 2' High, Redwood, Wood Post Retaining Walls.....	166.69	57.05
<i>For &gt;3:1 Sloped Soil At Top, Add</i>	4.48	
32 32 29 00-0004 LF 4" x 4", 1' High, Cedar, Wood Post Retaining Walls.....	81.73	29.14
<i>For &gt;3:1 Sloped Soil At Top, Add</i>	2.00	



<b>Exterior Improvements</b>	<b>32</b>	<b>32</b>
Site Improvements	32 30	
Retaining Walls	32 32	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 32 29 00-0005 LF 4" x 4", 2' High, Cedar, Wood Post Retaining Walls ..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	159.99 3.91	57.05
32 32 29 00-0006 LF 4" x 4", 1' High, Pressure Treated Lumber, Wood Post Retaining Walls ..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	74.17 1.97	25.46
32 32 29 00-0007 LF 4" x 4", 2' High, Pressure Treated Lumber, Wood Post Retaining Walls ..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	145.17 3.87	49.79
32 32 29 00-0008 LF 4" x 4", 1' High, Creosoted Lumber, Wood Post Retaining Walls ..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	68.00 1.94	22.59
32 32 29 00-0009 LF 4" x 4", 2' High, Creosoted Lumber, Wood Post Retaining Walls ..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	122.96 3.50	40.90
32 32 29 00-0010 LF 6" x 6", 2' High, Redwood, Wood Post Retaining Walls ..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	226.30 7.49	69.12
32 32 29 00-0011 LF 6" x 6", 4' High, Redwood, Wood Post Retaining Walls ..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	447.01 14.98	135.46
32 32 29 00-0012 LF 6" x 6", 2' High, Cedar, Wood Post Retaining Walls ..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	222.47 7.16	69.12
32 32 29 00-0013 LF 6" x 6", 4' High, Cedar, Wood Post Retaining Walls ..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	437.44 14.16	135.46
32 32 29 00-0014 LF 6" x 6", 2' High, Pressure Treated Lumber, Wood Post Retaining Walls ..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	186.17 6.28	56.13
32 32 29 00-0015 LF 6" x 6", 4' High, Pressure Treated Lumber, Wood Post Retaining Walls ..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	369.45 12.56	110.83
32 32 29 00-0016 LF 6" x 6", 2' High, Creosoted Lumber, Wood Post Retaining Walls ..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	155.92 5.62	44.88
32 32 29 00-0017 LF 6" x 6", 4' High, Creosoted Lumber, Wood Post Retaining Walls ..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	306.82 11.15	87.82
32 32 29 00-0018 LF 8" x 8", 4' High, Redwood, Wood Post Retaining Walls ..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	561.98 22.30	149.78
32 32 29 00-0019 LF 8" x 8", 6' High, Redwood, Wood Post Retaining Walls ..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	1,051.34 41.83	279.63
32 32 29 00-0020 LF 8" x 8", 4' High, Cedar, Wood Post Retaining Walls ..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	542.83 20.67	149.78
32 32 29 00-0021 LF 8" x 8", 6' High, Cedar, Wood Post Retaining Walls ..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	1,014.95 38.74	279.63
32 32 29 00-0022 LF 8" x 8", 4' High, Pressure Treated Lumber, Wood Post Retaining Walls ..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	520.81 14.89	172.78
32 32 29 00-0023 LF 8" x 8", 6' High, Pressure Treated Lumber, Wood Post Retaining Walls ..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	971.74 27.74	322.67
32 32 29 00-0024 LF 8" x 8", 4' High, Creosoted Lumber, Wood Post Retaining Walls ..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	437.29 13.43	139.66
32 32 29 00-0025 LF 8" x 8", 6' High, Creosoted Lumber, Wood Post Retaining Walls ..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	811.07 24.91	259.08
32 32 29 00-0026 LF 4' High, Cedar, Random Diameter Poles, Wood Post Retaining Walls ..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	163.08 4.07	57.56
32 32 29 00-0027 LF 6' High, Cedar, Random Diameter Poles, Wood Post Retaining Walls ..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	243.66 6.02	86.40
32 32 29 00-0028 LF 8' High, Cedar, Random Diameter Poles, Wood Post Retaining Walls ..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	324.15 7.98	115.12
32 32 29 00-0029 LF 4' High Creosoted Lumber, Random Diameter Poles, Wood Post Retaining Walls ..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	112.01 3.99	32.51
32 32 29 00-0030 LF 6' High Creosoted Lumber, Random Diameter Poles, Wood Post Retaining Walls ..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	162.82 5.86	46.93
32 32 29 00-0031 LF 8' High Creosoted Lumber, Random Diameter Poles, Wood Post Retaining Walls ..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	220.55 7.98	63.39
<b>32 32 29 00-0032 Post And Board Retaining Walls <small>(32 32 29)</small></b> Note: System includes all the elements that must go into a wall that resists lateral pressure. System elements include posts and boards, cap, underdrain, and deadman where required. Excludes initial site grading, subbase preparation or finish grading.		
32 32 29 00-0033 LF 4" x 4" Post, 4' Spacing, 3' High, 2" Planking, Redwood, Post And Board Retaining Walls ..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	69.32 2.95	17.28
32 32 29 00-0034 LF 4" x 4" Post, 2' Spacing, 4' High, 2" Planking, Redwood, Post And Board Retaining Walls ..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	105.96 3.99	29.55
32 32 29 00-0035 LF 6" x 6" Post, 4' Spacing, 5' High 2" Planking, Redwood, Post And Board Retaining Walls ..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	139.51 5.62	36.70
32 32 29 00-0036 LF 6" x 6" Post, 3' Spacing, 6' High, 2" Planking, Redwood, Post And Board Retaining Walls ..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	194.94 7.73	52.04
32 32 29 00-0037 LF 6" x 6" With Deadman, 3' Spacing, 8' High, 2" Planking, Redwood, Post And Board Retaining Walls ..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	255.04 10.17	67.68
32 32 29 00-0038 LF 8" x 8" Post, 2' Spacing, 8' High, 2" Planking, Redwood, Post And Board Retaining Walls ..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	524.46 21.81	133.93
32 32 29 00-0039 LF 8" x 8" With Deadman, 2' Spacing, 9' High, 2" Planking, Redwood, Post And Board Retaining Walls ..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	593.47 25.23	148.35
32 32 29 00-0040 LF 4" x 4" Post, 4' Spacing, 3' High, 2" Planking, Cedar, Post And Board Retaining Walls ..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	70.28 2.91	17.99
32 32 29 00-0041 LF 4" x 4" With Deadman, 2' Spacing, 4' High 2" Planking, Cedar, Post And Board Retaining Walls ..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	123.31 5.05	32.00
32 32 29 00-0042 LF 6" x 6" Post, 4' Spacing, 4' High 2" Planking, Cedar, Post And Board Retaining Walls ..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	121.20 4.96	31.39
32 32 29 00-0043 LF 6" x 6" Post, 3' Spacing, 5' High 2" Planking, Cedar, Post And Board Retaining Walls ..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	169.63 6.75	45.09
32 32 29 00-0044 LF 6" x 6" Post, 2' Spacing, 6' High 2" Planking, Cedar, Post And Board Retaining Walls ..... <i>For &gt;3:1 Sloped Soil At Top, Add</i>	263.70 10.17	71.97

**32 Exterior Improvements****32 30 Site Improvements****32 32 Retaining Walls**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 32 29 00-0045 LF 6 x 6 Post With Deadman, 3' Spacing, 6' High, 2" Planking, Cedar .....	209.21	55.31
For>3:1 Sloped Soil At Top, Add .....	8.38	
32 32 29 00-0046 LF 8 x 8 Post With Deadman, 2' Spacing, 8' High, 2" Planking, Cedar .....	542.61	138.22
For>3:1 Sloped Soil At Top, Add .....	22.63	
32 32 29 00-0047 LF 4 x 4 Post, 4' Spacing, 3' High 2" Planking, Pressure Treated.....	86.15	33.23
For>3:1 Sloped Soil At Top, Add .....	1.67	
32 32 29 00-0048 LF 4 x 4 Post, 3' Spacing, 4' High 2" Planking, Pressure Treated.....	124.83	47.23
For>3:1 Sloped Soil At Top, Add .....	2.58	
32 32 29 00-0049 LF 4 x 4 Post With Deadman, 2' Space, 5' High, 2" Planking, Pressure Treat .....	182.24	64.82
For>3:1 Sloped Soil At Top, Add .....	4.48	
32 32 29 00-0050 LF 6 x 6 Post, 3' Spacing, 6' High, 2" Planking, Pressure Treated.....	321.29	109.40
For>3:1 Sloped Soil At Top, Add .....	8.71	
32 32 29 00-0051 LF 6 x 6 Post, 2' Spacing, 7' High, 2" Planking, Pressure Treated.....	326.08	109.40
For>3:1 Sloped Soil At Top, Add .....	9.12	
32 32 29 00-0052 LF 6 x 6 Post With Deadman, 3' Spacing 8' High, 2" Planking, Pressure Treat .....	306.00	105.10
For>3:1 Sloped Soil At Top, Add .....	8.14	
32 32 29 00-0053 LF 8 x 8 Post With Deadman, 2' Spacing 10' High, 2" Planking, Pressure Treated .....	720.98	241.80
For>3:1 Sloped Soil At Top, Add .....	20.18	
32 32 29 00-0054 LF 4 x 4 Post, 4' Spacing, 3' High Creosoted 2" Planking.....	86.15	33.23
For>3:1 Sloped Soil At Top, Add .....	1.67	
32 32 29 00-0055 LF 4 x 4 Post, 3' Spacing, 4' High Creosoted, 2" Planking.....	124.83	47.23
For>3:1 Sloped Soil At Top, Add .....	2.58	
32 32 29 00-0056 LF 4 x 4 Post With Deadman, 2' Spacing, 5' High, Creosoted, 2" Planking .....	182.24	64.82
For>3:1 Sloped Soil At Top, Add .....	4.48	
32 32 29 00-0057 LF 6 x 6 Post, 3' Spacing, 6' High Creosoted, 2" Planking.....	229.24	80.67
For>3:1 Sloped Soil At Top, Add .....	5.78	
32 32 29 00-0058 LF 6" x 6" Post, 2' Spacing, 7' High, 2" Planking, Creosoted, Post And Board Retaining Walls.....	321.29	109.40
For>3:1 Sloped Soil At Top, Add .....	8.71	
32 32 29 00-0059 LF 6" x 6" Post With Deadman, 3' Spacing, 8' High, 2" Planking, Creosoted, Post And Board Retaining Walls.....	306.00	105.10
For>3:1 Sloped Soil At Top, Add .....	8.14	
32 32 29 00-0060 LF 8" x 8" Post With Deadman, 2' Spacing, 10' High, Creosoted, 2" Planking, Post And Board Retaining Walls.....	720.98	241.80
For>3:1 Sloped Soil At Top, Add .....	20.18	
<b>32 32 29 00-0061 Wood Tie Retaining Walls, Rod Connector At 4'</b> <small>(32 32 29)</small>		
Note: The system includes all the elements that must go into a wall that resists lateral pressure. System elements include: wood ties, threaded rod (1/2" diameter), underdrain, and deadman where required. Excludes initial site grading, subbase preparation or finish grading.		
<b>32 32 29 00-0062 Redwood</b> <small>(32 32 29 00-0061)</small>		
32 32 29 00-0063 LF 2' High, 6" x 6" Wood Tie Wall .....	116.80	35.38
For>3:1 Sloped Soil At Top, Add .....	3.91	
32 32 29 00-0064 LF 4' High, 6" x 6" Wood Tie Wall Deadman At 6'.....	266.59	80.67
For>3:1 Sloped Soil At Top, Add .....	8.95	
32 32 29 00-0065 LF 6' High, 6" x 6" Wood Tie Wall Deadman At 6'.....	398.98	120.95
For>3:1 Sloped Soil At Top, Add .....	13.35	
32 32 29 00-0066 LF 4' High, 8" x 8" Wood Tie Wall Deadman At 6'.....	389.25	103.67
For>3:1 Sloped Soil At Top, Add .....	15.46	
32 32 29 00-0067 LF 6' High, 8" x 8" Wood Tie Wall Deadman At 6'.....	584.94	155.50
For>3:1 Sloped Soil At Top, Add .....	23.28	
32 32 29 00-0068 LF 8' High, 8" x 8" Wood Tie Wall Deadman At 6'.....	772.76	204.48
For>3:1 Sloped Soil At Top, Add .....	30.93	
<b>32 32 29 00-0069 Cedar</b> <small>(32 32 29 00-0061)</small>		
32 32 29 00-0070 LF 2' High, 6" x 6" Wood Tie Wall .....	114.89	35.38
For>3:1 Sloped Soil At Top, Add .....	3.74	
32 32 29 00-0071 LF 4' High, 6" x 6" Wood Tie Wall Deadman At 6'.....	260.84	80.67
For>3:1 Sloped Soil At Top, Add .....	8.46	
32 32 29 00-0072 LF 6' High, 6" x 6" Wood Tie Wall Deadman At 6'.....	391.32	120.95
For>3:1 Sloped Soil At Top, Add .....	12.70	
32 32 29 00-0073 LF 4' High, 8" x 8" Wood Tie Wall Deadman At 6'.....	375.84	103.67
For>3:1 Sloped Soil At Top, Add .....	14.32	
32 32 29 00-0074 LF 6' High, 8" x 8" Wood Tie Wall Deadman At 6'.....	565.79	155.50
For>3:1 Sloped Soil At Top, Add .....	21.65	
32 32 29 00-0075 LF 8' High, 8" x 8" Wood Tie Wall Deadman At 6'.....	745.95	204.48
For>3:1 Sloped Soil At Top, Add .....	28.65	
<b>32 32 29 00-0076 Creosoted Wood</b> <small>(32 32 29 00-0061)</small>		
32 32 29 00-0077 LF 2' High, 6" x 8" Wood Tie Wall .....	126.53	46.93
For>3:1 Sloped Soil At Top, Add .....	2.78	
32 32 29 00-0078 LF 4' High, 6" x 8" Wood Tie Wall Deadman At 6'.....	289.74	107.97
For>3:1 Sloped Soil At Top, Add .....	6.27	
32 32 29 00-0079 LF 6' High, 6" x 8" Wood Tie Wall Deadman At 6'.....	429.74	159.80
For>3:1 Sloped Soil At Top, Add .....	9.36	
32 32 29 00-0080 LF 4' High, 7" x 9" Wood Tie Wall Deadman At 6'.....	582.26	217.36
For>3:1 Sloped Soil At Top, Add .....	12.53	
32 32 29 00-0081 LF 6' High, 7" x 9" Wood Tie Wall Deadman At 6'.....	847.74	316.63
For>3:1 Sloped Soil At Top, Add .....	18.23	
32 32 29 00-0082 LF 8' High, 7" x 9" Wood Tie Wall Deadman At 6'.....	1,124.98	419.80
For>3:1 Sloped Soil At Top, Add .....	24.25	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 32 29 00-0083 Pressure Treated Wood (32 32 29 00-0061)

32 32 29 00-0084	LF 2' High, 6" x 6" Wood Tie Wall	101.65	29.24
	For >3:1 Sloped Soil At Top, Add	3.67	
32 32 29 00-0085	LF 4' High, 6" x 6" Wood Tie Wall Deadman At 6'	231.09	66.25
	For >3:1 Sloped Soil At Top, Add	8.38	
32 32 29 00-0086	LF 6' High, 6" x 6" Wood Tie Wall Deadman At 6'	346.16	99.37
	For >3:1 Sloped Soil At Top, Add	12.53	
32 32 29 00-0087	LF 4' High, 8" x 8" Wood Tie Wall Deadman At 6'	373.95	119.52
	For >3:1 Sloped Soil At Top, Add	11.48	
32 32 29 00-0088	LF 6' High, 8" x 8" Wood Tie Wall Deadman At 6'	562.05	178.61
	For >3:1 Sloped Soil At Top, Add	17.42	
32 32 29 00-0089	LF 8' High, 8" x 8" Wood Tie Wall Deadman At 6'	744.96	237.50
	For >3:1 Sloped Soil At Top, Add	22.95	

32 32 53 Stone Retaining Walls (32 32)

32 32 53 00-0001 Stone Retaining Walls (32 32 53)

Note: Construction is either dry set or mortar set. System includes concrete base, crushed stone, underdrain, and backfill. Standard design to have 12" thick top with vertical backside and sloped face at 2" per foot of height. Excludes initial site grading, subbase preparation or finish grading.

32 32 53 00-0002 Stone Retaining Walls (32 32 53 00-0001)

Note: Stone at \$16.00/ton.

32 32 53 00-0003	LF \$16.00/ton 3' High Stone Retaining Wall, Dry Set	446.02	197.72
	For >3:1 Sloped Soil At Top, Add	4.29	
32 32 53 00-0004	LF \$16.00/ton 4' High Stone Retaining Wall, Dry Set	525.71	235.22
	For >3:1 Sloped Soil At Top, Add	4.69	
32 32 53 00-0005	LF \$16.00/ton 6' High Stone Retaining Wall, Dry Set	689.62	312.52
	For >3:1 Sloped Soil At Top, Add	5.49	
32 32 53 00-0006	LF \$16.00/ton 8' High Stone Retaining Wall, Dry Set	1,060.73	488.63
	For >3:1 Sloped Soil At Top, Add	7.09	
32 32 53 00-0007	LF \$16.00/ton 10' High Stone Retaining Wall, Dry Set	1,377.10	639.19
	For >3:1 Sloped Soil At Top, Add	8.39	
32 32 53 00-0008	LF \$16.00/ton 12' High Stone Retaining Wall, Dry Set	1,708.29	795.97
	For >3:1 Sloped Soil At Top, Add	9.89	
32 32 53 00-0009	LF \$16.00/ton 3' High Stone Retaining Wall, Mortar Set	400.61	175.06
	For >3:1 Sloped Soil At Top, Add	4.29	
32 32 53 00-0010	LF \$16.00/ton 4' High Stone Retaining Wall, Mortar Set	469.49	207.12
	For >3:1 Sloped Soil At Top, Add	4.69	
32 32 53 00-0011	LF \$16.00/ton 6' High Stone Retaining Wall, Mortar Set	606.64	270.97
	For >3:1 Sloped Soil At Top, Add	5.49	
32 32 53 00-0012	LF \$16.00/ton 8' High Stone Retaining Wall, Mortar Set	927.17	421.87
	For >3:1 Sloped Soil At Top, Add	7.09	
32 32 53 00-0013	LF \$16.00/ton 10' High Stone Retaining Wall, Mortar Set	1,189.74	545.55
	For >3:1 Sloped Soil At Top, Add	8.39	
32 32 53 00-0014	LF \$16.00/ton 12' High Stone Retaining Wall, Mortar Set	1,477.19	680.47
	For >3:1 Sloped Soil At Top, Add	9.89	

32 32 53 00-0015 Stone Retaining Walls (32 32 53 00-0001)

Note: Stone at \$32.00/ton.

32 32 53 00-0016	LF \$32.00/ton 3' High Stone Retaining Wall, Dry Set	461.30	197.72
	For >3:1 Sloped Soil At Top, Add	5.59	
32 32 53 00-0017	LF \$32.00/ton 4' High Stone Retaining Wall, Dry Set	546.86	235.22
	For >3:1 Sloped Soil At Top, Add	6.49	
32 32 53 00-0018	LF \$32.00/ton 6' High Stone Retaining Wall, Dry Set	720.17	312.52
	For >3:1 Sloped Soil At Top, Add	8.09	
32 32 53 00-0019	LF \$32.00/ton 8' High Stone Retaining Wall, Dry Set	1,105.37	488.63
	For >3:1 Sloped Soil At Top, Add	10.88	
32 32 53 00-0020	LF \$32.00/ton 10' High Stone Retaining Wall, Dry Set	1,438.19	639.19
	For >3:1 Sloped Soil At Top, Add	13.58	
32 32 53 00-0021	LF \$32.00/ton 12' High Stone Retaining Wall, Dry Set	1,785.82	795.97
	For >3:1 Sloped Soil At Top, Add	16.48	
32 32 53 00-0022	LF \$32.00/ton 3' High Stone Retaining Wall, Mortar Set	415.89	175.06
	For >3:1 Sloped Soil At Top, Add	5.59	
32 32 53 00-0023	LF \$32.00/ton 4' High Stone Retaining Wall, Mortar Set	490.64	207.12
	For >3:1 Sloped Soil At Top, Add	6.49	
32 32 53 00-0024	LF \$32.00/ton 6' High Stone Retaining Wall, Mortar Set	637.19	270.97
	For >3:1 Sloped Soil At Top, Add	8.09	
32 32 53 00-0025	LF \$32.00/ton 8' High Stone Retaining Wall, Mortar Set	971.81	421.87
	For >3:1 Sloped Soil At Top, Add	10.88	
32 32 53 00-0026	LF \$32.00/ton 10' High Stone Retaining Wall, Mortar Set	1,250.83	545.55
	For >3:1 Sloped Soil At Top, Add	13.58	
32 32 53 00-0027	LF \$32.00/ton 12' High Stone Retaining Wall, Mortar Set	1,554.72	680.47
	For >3:1 Sloped Soil At Top, Add	16.48	

32 32 53 00-0028 Stone Retaining Walls (32 32 53 00-0001)

Note: Stone at \$48.00/ton.

32 32 53 00-0029	LF \$48.00/ton 3' High Stone Retaining Wall, Dry Set	477.74	197.72
	For >3:1 Sloped Soil At Top, Add	6.99	
32 32 53 00-0030	LF \$48.00/ton 4' High Stone Retaining Wall, Dry Set	567.77	235.22
	For >3:1 Sloped Soil At Top, Add	8.27	

**32 Exterior Improvements****32 30 Site Improvements****32 32 Retaining Walls**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 32 53 00-0031 LF \$48.00/ton 6' High Stone Retaining Wall, Dry Set.....	749.53	312.52
For >3:1 Sloped Soil At Top, Add	10.58	
32 32 53 00-0032 LF \$48.00/ton 8' High Stone Retaining Wall, Dry Set.....	1,150.01	488.63
For >3:1 Sloped Soil At Top, Add	14.68	
32 32 53 00-0033 LF \$48.00/ton 10' High Stone Retaining Wall, Dry Set.....	1,499.27	639.19
For >3:1 Sloped Soil At Top, Add	18.77	
32 32 53 00-0034 LF \$48.00/ton 12' High Stone Retaining Wall, Dry Set.....	1,864.53	795.97
For >3:1 Sloped Soil At Top, Add	23.17	
32 32 53 00-0035 LF \$48.00/ton 3' High Stone Retaining Wall, Mortar Set.....	432.33	175.06
For >3:1 Sloped Soil At Top, Add	6.99	
32 32 53 00-0036 LF \$48.00/ton 4' High Stone Retaining Wall, Mortar Set.....	511.78	207.12
For >3:1 Sloped Soil At Top, Add	8.29	
32 32 53 00-0037 LF \$48.00/ton 6' High Stone Retaining Wall, Mortar Set.....	666.55	270.97
For >3:1 Sloped Soil At Top, Add	10.58	
32 32 53 00-0038 LF \$48.00/ton 8' High Stone Retaining Wall, Mortar Set.....	1,016.45	421.87
For >3:1 Sloped Soil At Top, Add	14.68	
32 32 53 00-0039 LF \$48.00/ton 10' High Stone Retaining Wall, Mortar Set.....	1,311.91	545.55
For >3:1 Sloped Soil At Top, Add	18.77	
32 32 53 00-0040 LF \$48.00/ton 12' High Stone Retaining Wall, Mortar Set.....	1,633.43	680.47
For >3:1 Sloped Soil At Top, Add	23.17	
<b>32 32 53 00-0041 Stone Retaining Walls (32 32 53 00-0001)</b>		
Note: Stone at \$64.00/ton.		
32 32 53 00-0042 LF \$64.00/ton 3' High Stone Retaining Wall, Dry Set.....	494.19	197.72
For >3:1 Sloped Soil At Top, Add	8.39	
32 32 53 00-0043 LF \$64.00/ton 4' High Stone Retaining Wall, Dry Set.....	565.66	235.22
For >3:1 Sloped Soil At Top, Add	8.09	
32 32 53 00-0044 LF \$64.00/ton 6' High Stone Retaining Wall, Dry Set.....	781.25	312.52
For >3:1 Sloped Soil At Top, Add	13.28	
32 32 53 00-0045 LF \$64.00/ton 8' High Stone Retaining Wall, Dry Set.....	1,197.00	488.63
For >3:1 Sloped Soil At Top, Add	18.67	
32 32 53 00-0046 LF \$64.00/ton 10' High Stone Retaining Wall, Dry Set.....	1,562.71	639.19
For >3:1 Sloped Soil At Top, Add	24.16	
32 32 53 00-0047 LF \$64.00/ton 12' High Stone Retaining Wall, Dry Set.....	1,944.42	795.97
For >3:1 Sloped Soil At Top, Add	29.96	
32 32 53 00-0048 LF \$64.00/ton 3' High Stone Retaining Wall, Mortar Set.....	448.78	175.06
For >3:1 Sloped Soil At Top, Add	8.39	
32 32 53 00-0049 LF \$64.00/ton 4' High Stone Retaining Wall, Mortar Set.....	532.93	207.12
For >3:1 Sloped Soil At Top, Add	10.09	
32 32 53 00-0050 LF \$64.00/ton 6' High Stone Retaining Wall, Mortar Set.....	698.27	270.97
For >3:1 Sloped Soil At Top, Add	13.28	
32 32 53 00-0051 LF \$64.00/ton 8' High Stone Retaining Wall, Mortar Set.....	1,063.44	421.87
For >3:1 Sloped Soil At Top, Add	18.67	
32 32 53 00-0052 LF \$64.00/ton 10' High Stone Retaining Wall, Mortar Set.....	1,375.35	545.55
For >3:1 Sloped Soil At Top, Add	24.16	
32 32 53 00-0053 LF \$64.00/ton 12' High Stone Retaining Wall, Mortar Set.....	1,713.32	680.47
For >3:1 Sloped Soil At Top, Add	29.96	
<b>32 35 Screening Devices (32 30)</b>		
<b>32 35 16 Sound Barriers (32 35)</b>		
<b>32 35 16 00-0001 Precast Concrete Roadway Sound Barriers And Support Including Caps For Columns (32 35 16)</b>		
Note: Installed on steel supports. Finish to be determined by owner (ribbed, patterned, stamped, exposed aggregate or smooth)		
<b>32 35 16 00-0002 4" Thick (32 35 16 00-0001)</b>		
32 35 16 00-0003 LF 6' High x 4" Thick Precast Concrete Sound Walls .....	172.93	24.43
32 35 16 00-0004 LF 7' High x 4" Thick Precast Concrete Sound Walls .....	187.05	27.27
32 35 16 00-0005 LF 8' High x 4" Thick Precast Concrete Sound Walls .....	203.64	29.55
32 35 16 00-0006 LF 9' High x 4" Thick Precast Concrete Sound Walls .....	217.28	31.82
32 35 16 00-0007 LF 10' High x 4" Thick Precast Concrete Sound Walls .....	229.81	34.09
32 35 16 00-0008 LF 11' High x 4" Thick Precast Concrete Sound Walls .....	247.58	35.23
32 35 16 00-0009 LF 12' High x 4" Thick Precast Concrete Sound Walls .....	264.88	36.94
<b>32 35 16 00-0010 6" Thick (32 35 16 00-0001)</b>		
32 35 16 00-0011 LF 6' High x 6" Thick Precast Concrete Sound Walls .....	206.34	28.42
32 35 16 00-0012 LF 7' High x 6" Thick Precast Concrete Sound Walls .....	223.17	31.82
32 35 16 00-0013 LF 8' High x 6" Thick Precast Concrete Sound Walls .....	242.98	35.23
32 35 16 00-0014 LF 9' High x 6" Thick Precast Concrete Sound Walls .....	259.24	37.51
32 35 16 00-0015 LF 10' High x 6" Thick Precast Concrete Sound Walls .....	274.18	39.78
32 35 16 00-0016 LF 11' High x 6" Thick Precast Concrete Sound Walls .....	295.43	41.48
32 35 16 00-0017 LF 12' High x 6" Thick Precast Concrete Sound Walls .....	316.13	43.19
<b>32 35 16 00-0018 8" Thick (32 35 16 00-0001)</b>		
32 35 16 00-0019 LF 6' High x 8" Thick Precast Concrete Sound Walls .....	249.22	34.09
32 35 16 00-0020 LF 7' High x 8" Thick Precast Concrete Sound Walls .....	269.49	37.51
32 35 16 00-0021 LF 8' High x 8" Thick Precast Concrete Sound Walls .....	293.38	40.91



<b>Exterior Improvements</b>	<b>32</b>	<b>32</b>
Site Improvements	32 30	
Screening Devices	32 35	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 35 16 00-0022 LF 9' High x 8" Thick Precast Concrete Sound Walls .....	312.98	44.33
32 35 16 00-0023 LF 10' High x 8" Thick Precast Concrete Sound Walls .....	331.03	47.16
32 35 16 00-0024 LF 11' High x 8" Thick Precast Concrete Sound Walls .....	356.79	48.87
32 35 16 00-0025 LF 12' High x 8" Thick Precast Concrete Sound Walls .....	381.91	51.15
<b>32 35 16 00-0026 Redwood Top</b> <small>(32 35 16 00-0001)</small>		
32 35 16 00-0027 LF 2" x 6" Redwood, Construction Grade/Rough.....	5.60	1.17
32 35 16 00-0028 LF 2" x 8" Redwood, Construction Grade/Rough.....	6.38	1.52
32 35 16 00-0029 LF 2" x 10" Redwood, Construction Grade/Rough.....	10.01	1.87
32 35 16 00-0030 LF 2" x 12" Redwood, Construction Grade/Rough.....	12.07	2.34
32 35 16 00-0031 LF 2" x 6" Redwood, Con Heart/Smooth.....	6.97	1.17
32 35 16 00-0032 LF 2" x 8" Redwood, Con Heart/Smooth.....	10.14	1.52
32 35 16 00-0033 LF 2" x 10" Redwood, Con Heart/Smooth.....	13.50	1.87
32 35 16 00-0034 LF 2" x 12" Redwood, Con Heart/Smooth.....	16.23	2.34

**32 39 Manufactured Site Specialties** (32 39)

Note: Excludes coredrilling, augering, concrete footing and compaction See CSI section 02 41 19 13-0081 for concrete core drilling, 02 41 19 13-0219 for asphalt core drilling, 32 31 13 13-0002 for augering, 32 31 13 13-0019 for concrete footing, 32 31 13 13-0045 for compaction of earth.

**32 39 13 Manufactured Metal Bollards** (32 39)

**32 39 13 00-0001 Metal Pipe Bollards** (32 39 13)

Note: For bollards by the LF, the quantity is the total length, including the buried portion, if any. See CSI section 32 31 13 13-0001 for augering and filling holes for bollards, 32 31 13 13-0018 for concrete fill for post and post holes.

**32 39 13 00-0002 Steel Pipe Bollard, Schedule 40 Pipe, Painted Or Powder Coated** (32 39 13 00-0001)

32 39 13 00-0003 LF 4" Steel Pipe Bollard, Schedule 40, Painted Or Powder Coated .....	107.35	12.41
<i>For Galvanized Steel, Add</i>	14.03	
<i>For 304 Stainless Steel, Add</i>	111.44	
<i>For Each Surface Mounted Bollard (Includes Base Plate And Anchor Bolts), Add</i>	123.20	
<i>For Each Sleeve For Removable, Lockable Bollard (Includes Tamper Proof Screw), Add</i>	85.40	
<i>For Schedule 80, Add</i>	14.86	
<i>For Concrete Fill, Add Per LF Of Pipe Bollard</i>	9.93	
32 39 13 00-0004 LF 6" Steel Pipe Bollard, Schedule 40, Painted Or Powder Coated .....	155.01	12.41
<i>For Galvanized Steel, Add</i>	22.14	
<i>For 304 Stainless Steel, Add</i>	175.78	
<i>For Each Surface Mounted Bollard (Includes Base Plate And Anchor Bolts), Add</i>	123.20	
<i>For Each Sleeve For Removable, Lockable Bollard (Includes Tamper Proof Screw), Add</i>	85.40	
<i>For Schedule 80, Add</i>	22.01	
<i>For Concrete Fill, Add Per LF Of Pipe Bollard</i>	14.09	
32 39 13 00-0005 LF 8" Steel Pipe Bollard, Schedule 40, Painted Or Powder Coated .....	224.13	15.51
<i>For Galvanized Steel, Add</i>	32.83	
<i>For 304 Stainless Steel, Add</i>	260.71	
<i>For Each Surface Mounted Bollard (Includes Base Plate And Anchor Bolts), Add</i>	162.04	
<i>For Each Sleeve For Removable, Lockable Bollard, Add</i>	127.52	
<i>For Schedule 80, Add</i>	32.07	
<i>For Concrete Fill, Add Per LF Of Pipe Bollard</i>	18.82	
32 39 13 00-0006 LF 10" Steel Pipe Bollard, Schedule 40, Painted Or Powder Coated .....	301.44	18.60
<i>For Galvanized Steel, Add</i>	44.92	
<i>For 304 Stainless Steel, Add</i>	356.71	
<i>For Each Surface Mounted Bollard (Includes Base Plate And Anchor Bolts), Add</i>	186.84	
<i>For Each Sleeve For Removable, Lockable Bollard, Add</i>	139.40	
<i>For Schedule 80, Add</i>	43.36	
<i>For Concrete Fill, Add Per LF Of Pipe Bollard</i>	23.06	
32 39 13 00-0007 LF 12" Steel Pipe Bollard, Schedule 40, Painted Or Powder Coated .....	377.51	24.80
<i>For Galvanized Steel, Add</i>	55.74	
<i>For 304 Stainless Steel, Add</i>	442.67	
<i>For Each Surface Mounted Bollard (Includes Base Plate And Anchor Bolts), Add</i>	248.37	
<i>For Each Sleeve For Removable, Lockable Bollard, Add</i>	191.86	
<i>For Schedule 80, Add</i>	54.15	
<i>For Concrete Fill, Add Per LF Of Pipe Bollard</i>	26.98	

**32 39 13 00-0008 Cast Bollards** (32 39 13 00-0001)

32 39 13 00-0009 EA 36" Cast Aluminum Bollard, Black Powder Coat Finish .....	1,868.29	74.42
Note: 8-1/2" diameter, embedded mounting plate, all colors.		
32 39 13 00-0010 EA 36" Cast Aluminum Removable Bollard, Black Powder Coat Finish .....	3,161.36	74.42
Note: 8-1/2" diameter, embedded mounting plate, lockable, all colors.		
32 39 13 00-0011 EA 36" Cast Iron Bollard, Powder Coat Finish.....	1,582.41	74.42
Note: 8-1/2" diameter, embedded mounting plate, all colors.		
32 39 13 00-0012 EA 36" Cast Iron Removable Bollard, Black Powder Coat Finish .....	2,883.13	74.42
Note: 8-1/2" diameter, embedded mounting plate, lockable, all colors.		

**32 39 23 Manufactured Concrete Bollards** (32 39)

**32 39 23 00-0001 Concrete Bollards** (32 39 23)

Note: For bollards by the LF, the quantity is the total length, including the buried portion, if any. See CSI section 32 31 13 13-0001 for augering and filling holes for bollards, 32 31 13 13-0018 for concrete fill.

**32 39 23 00-0002 Concrete Bollard, Exposed Aggregate** (32 39 23 00-0001)

**32 Exterior Improvements****32 30 Site Improvements****32 39 Manufactured Site Specialties**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 39 23 00-0003 EA 12" x 12" x 30" High Concrete Bollard, Light Media Blast.....	673.50	99.22
Note: Surface mounted with anchor bolts embedded into grout pockets.		
32 39 23 00-0004 EA 12" Diameter x 30" High Concrete Bollard, Light Media Blast.....	673.50	99.22
Note: Surface mounted with anchor bolts embedded into grout pockets.		
<b>32 39 25 Manufactured Wood Bollards (32 39)</b>		
<b>32 39 25 00-0001 Wood Bollards (32 39 25)</b>		
Note: For bollards by the LF, the quantity is the total length, including the buried portion, if any. See CSI section 32 31 13 13-0001 for augering and filling holes for bollards, 32 31 13 13-0018 for concrete fill.		
<b>32 39 25 00-0002 Wood Bollard, Pressure Treated Timber (32 39 25 00-0001)</b>		
32 39 25 00-0003 LF 4" x 4", Pressure Treated Wood Bollard.....	21.99	9.92
For Each Sleeve For Removable, Lockable Bollard, Add	85.00	
32 39 25 00-0004 LF 6" x 6", Pressure Treated Wood Bollard.....	24.25	9.92
For Each Sleeve For Removable, Lockable Bollard, Add	85.00	
32 39 25 00-0005 LF 8" x 8", Pressure Treated Wood Bollard.....	30.16	11.17
For Each Sleeve For Removable, Lockable Bollard, Add	127.93	
32 39 25 00-0006 LF 10" x 10", Pressure Treated Wood Bollard.....	41.99	14.89
For Each Sleeve For Removable, Lockable Bollard, Add	142.18	
32 39 25 00-0007 LF 12" x 12", Pressure Treated Wood Bollard.....	57.30	19.84
For Each Sleeve For Removable, Lockable Bollard, Add	200.47	
<b>32 39 27 Manufactured Plastic Bollards (32 39)</b>		
<b>32 39 27 00-0001 Plastic Bollards (32 39 27)</b>		
See CSI section 32 31 13 13-0001 for augering and filling holes for bollards., 32 31 13 13-0018 for concrete fill.		
<b>32 39 27 00-0002 Recycled Plastic Bollards (32 39 27 00-0001)</b>		
32 39 27 00-0003 EA 6" x 6" x 33" Surface Mounted Recycled Plastic Bollard.....	344.28	49.61
Note: Includes anchor bolts.		
32 39 27 00-0004 EA 6" Diameter x 6' Steel Reinforced Recycled Plastic Bollard.....	562.44	49.61
<b>32 39 27 00-0005 Plastic Bollard Covers (32 39 27 00-0001)</b>		
32 39 27 00-0006 EA 4" x 60", 1/8" Thick LDPE Bollard Cover, Fits 4" To 4-1/2" Pipe.....	86.19	10.70
For Reflective Tape, Add	10.29	
32 39 27 00-0007 EA 6" x 60", 1/8" Thick LDPE Bollard Cover, Fits 6" To 6-5/8" Pipe.....	93.09	11.78
For Reflective Tape, Add	10.29	
32 39 27 00-0008 EA 3" x 60", 1/4" Thick LDPE Bollard Cover, Fits 3" To 3 1/2" Pipe.....	118.60	10.70
For Reflective Tape, Add	10.29	
32 39 27 00-0009 EA 3-1/2" x 52", 1/4" Thick LDPE Bollard Cover, Fits 3 -1/2" To 4" Pipe.....	118.60	10.70
For Reflective Tape, Add	10.29	
32 39 27 00-0010 EA 3-1/2" x 68", 1/4" Thick LDPE Bollard Cover, Fits 3-1/2" To 4" Pipe.....	133.72	10.70
For Reflective Tape, Add	10.29	
32 39 27 00-0011 EA 4" x 52", 1/4" Thick LDPE Bollard Cover, Fits 4" To 4-1/2" Pipe.....	118.60	10.70
For Reflective Tape, Add	10.29	
32 39 27 00-0012 EA 4" x 60", 1/4" Thick LDPE Bollard Cover, Fits 4" To 4-1/2" Pipe.....	120.76	10.70
For Reflective Tape, Add	10.29	
32 39 27 00-0013 EA 5" x 52", 1/4" Thick LDPE Bollard Cover, Fits 5" To 5-9/16" Pipe.....	118.60	10.70
For Reflective Tape, Add	10.29	
32 39 27 00-0014 EA 5" x 60", 1/4" Thick LDPE Bollard Cover, Fits 5" To 5-9/16" Pipe.....	120.76	10.70
For Reflective Tape, Add	10.29	
32 39 27 00-0015 EA 5" x 72", 1/4" Thick LDPE Bollard Cover, Fits 5" To 5-9/16" Pipe.....	170.44	10.70
For Reflective Tape, Add	10.29	
32 39 27 00-0016 EA 6" x 52", 1/4" Thick LDPE Bollard Cover, Fits 6" To 6-5/8" Pipe.....	120.74	11.78
For Reflective Tape, Add	10.29	
32 39 27 00-0017 EA 6" x 65", 1/4" Thick LDPE Bollard Cover, Fits 6" To 6-5/8" Pipe.....	155.30	11.78
For Reflective Tape, Add	10.29	
32 39 27 00-0018 EA 6" x 84", 1/4" Thick LDPE Bollard Cover, Fits 6" To 6-5/8" Pipe.....	177.34	11.78
For Reflective Tape, Add	10.29	
32 39 27 00-0019 EA 7" x 56", 1/4" Thick LDPE Bollard Cover, Fits 6" To 6-5/8" Pipe.....	148.80	12.85
For Reflective Tape, Add	10.29	
32 39 27 00-0020 EA 8" x 52", 1/4" Thick LDPE Bollard Cover, Fits 7" To 7-5/16" Pipe.....	161.76	12.85
For Reflective Tape, Add	10.29	
32 39 27 00-0021 EA 8" x 69", 1/4" Thick LDPE Bollard Cover, Fits 8" To 8-5/8" Pipe.....	161.76	12.85
For Reflective Tape, Add	10.29	
32 39 27 00-0022 EA 10" x 69", 1/4" Thick LDPE Bollard Cover, Fits 10" To 11" Pipe.....	220.10	12.85
For Reflective Tape, Add	10.29	
<b>32 39 29 Manufactured Stone Bollards (32 39)</b>		
<b>32 39 29 00-0001 Stone Bollards (32 39 29)</b>		
See CSI section 32 31 13 13-0001 for augering and filling holes for bollards, 32 31 13 13-0018 for concrete fill.		
<b>32 39 29 00-0002 Granite Bollards (32 39 29 00-0001)</b>		
32 39 29 00-0003 EA 16" x 16" x 30" Granite Bollard, Smooth Matt Finish.....	1,232.11	124.03
Note: Surface mounted with anchors embedded into grout pockets.		
32 39 29 00-0004 EA 16" x 16" x 54" Granite Bollard, Smooth Matt Finish.....	1,563.94	173.63
Note: Surface mounted with anchors embedded into grout pockets.		
32 39 29 00-0005 EA 12" x 12" x 24" Granite Bollard, Rough Finish, Pyramid Top.....	774.07	124.03
Note: Surface mounted with anchors embedded into grout pockets.		





<b>Exterior Improvements</b>	<b>32</b>	<b>32</b>
<b>Site Improvements</b>	<b>32 30</b>	
<b>Manufactured Site Specialties</b>	<b>32 39</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 39 29 00-0006	EA	12" Diameter x 18" Granite Bollard, Smooth Matt Finish ..... Note: Flat Top, surface mounted with anchors embedded into grout pockets.	1,128.82	99.22
32 39 29 00-0007	EA	24" x 24" x 20" Granite Bollard, Octagonal Cross Section ..... Note: Smooth matt finish, flat top, surface mounted with anchors embedded into grout pockets.	1,674.53	99.22

### 32 80 Irrigation <sup>(32)</sup>

#### 32 84 Planting Irrigation <sup>(32 80)</sup>

##### 32 84 13 Drip Irrigation <sup>(32 84)</sup>

##### 32 84 13 00-0001 Drip Emitter Irrigation Devices <sup>(32 84 13)</sup>

##### 32 84 13 00-0002 Drip Emitter Irrigation Valves <sup>(32 84 13 00-0001)</sup>

32 84 13 00-0003	EA	1/2" Air/Vacuum Relief Valve For Drip Emitter Irrigation Systems (Rain Bird® ARV050).....	49.45	11.04
32 84 13 00-0004	EA	1", Low Flow Remote Control Valve For Drip Emitter Irrigation Systems (Rain Bird® LRV100).....	84.30	11.04
32 84 13 00-0005	EA	3/4", Anti-Siphon, Low Flow Remote Control Valve For Drip Emitter Irrigation Systems (Rain Bird® LRV075).....	81.87	11.04
32 84 13 00-0006	EA	3/4", Latching Solenoid, Low Flow Remote Control Valve For Drip Emitter Irrigation Systems (Rain Bird® LRV075TBOS).....	114.61	11.04

##### 32 84 13 00-0007 Drip Emitter Irrigation Filters <sup>(32 84 13 00-0001)</sup>

32 84 13 00-0008	EA	3/4" Inlet/Outlet, Inline Basket Filter For Drip Emitter Irrigation Systems (Rain Bird® QKCHK-075).....	183.81	11.04
32 84 13 00-0009	EA	1" Inlet/Outlet, Inline Basket Filter For Drip Emitter Irrigation Systems (Rain Bird® QKCHK-100).....	185.61	11.04
32 84 13 00-0010	EA	3/4" Inlet/Outlet, Inline Wye Filter For Drip Emitter Irrigation Systems (Rain Bird® RBY075MPTX).....	64.67	11.04
32 84 13 00-0011	EA	1" Inlet/Outlet, Inline Wye Filter For Drip Emitter Irrigation Systems (Rain Bird® RBY100MPTX).....	66.11	11.04
32 84 13 00-0012	EA	1" Inlet/Outlet, Pressure Regulating, Inline Basket Filter For Drip Emitter Irrigation Systems (Rain Bird® PRB-QCHK-100).....	200.58	11.04
32 84 13 00-0013	EA	3/4" Inlet/Outlet, Pressure Regulating, Inline RBY Filter For Drip Emitter Irrigation Systems (Rain Bird® PRF075RBY).....	86.34	11.04
32 84 13 00-0014	EA	1" Inlet/Outlet, Pressure Regulating, Inline RBY Filter For Drip Emitter Irrigation Systems (Rain Bird® PRF100RBY).....	97.63	11.04

##### 32 84 13 00-0015 Drip Emitter Irrigation Pressure Regulators <sup>(32 84 13 00-0001)</sup>

32 84 13 00-0016	EA	3/4", 6 To 300 GPH, 30 PSI, Inline Pressure Regulator For Drip Emitter Irrigation Systems (Rain Bird® PSI-L30X-075).....	63.21	11.04
32 84 13 00-0017	EA	3/4", 120 To 600 GPH, 30 PSI, Inline Pressure Regulator For Drip Emitter Irrigation Systems (Rain Bird® PSI-M30X-075).....	63.21	11.04
32 84 13 00-0018	EA	3/4", 120 To 600 GPH, 40 PSI, Inline Pressure Regulator For Drip Emitter Irrigation Systems (Rain Bird® PSI-M40X-075).....	63.21	11.04
32 84 13 00-0019	EA	1", 120 To 900 GPH, 40 PSI, Inline Pressure Regulator For Drip Emitter Irrigation Systems (Rain Bird® PSI-M40X-100).....	75.07	11.04

##### 32 84 13 00-0020 Drip Emitter Irrigation Tubing <sup>(32 84 13 00-0001)</sup>

Note: Includes surface installation and covering of tubing with existing pine straw, pine bark etc.

32 84 13 00-0021	LF	1/4", Landscape Dripline With Extruded Non-Pressure Compensating Drip Emitters (Rain Bird® LDQ0806100).....	4.43	1.54
32 84 13 00-0022	LF	1/2", Landscape Dripline With Extruded Pressure Compensating Drip Emitters (Rain Bird® XFD0612100).....	3.89	1.76
32 84 13 00-0023	LF	1/4", UV-Resistant, Polyethylene, Distribution Tubing For Drip Emitter Irrigation Systems (Rain Bird® XQ100).....	3.29	1.54
For Shallow Trenching And Backfill By Hand, Add			6.34	
32 84 13 00-0024	LF	1/2", UV-Resistant, Polyethylene, Distribution Tubing For Drip Emitter Irrigation Systems (Rain Bird® XT700100).....	3.99	1.76
For Shallow Trenching And Backfill By Hand, Add			6.86	

##### 32 84 13 00-0025 Drip Emitter Irrigation Fittings <sup>(32 84 13 00-0001)</sup>

32 84 13 00-0026	EA	1/4", Barbed Coupling For Irrigation Tubing (Rain Bird® XBF1CONN).....	2.98	
32 84 13 00-0027	EA	1/4", Barbed Elbow For Irrigation Tubing (Rain Bird® XBF2EL).....	3.02	
32 84 13 00-0028	EA	1/4", Barbed Tee For Irrigation Tubing (Rain Bird® XBF3TEE).....	3.08	
32 84 13 00-0029	EA	1/4", Self Piercing Barbed Coupling For Irrigation Tubing (Rain Bird® SPB025).....	3.30	
32 84 13 00-0030	EA	1/4", Plug For Irrigation Tubing (Rain Bird® EMAGPX).....	2.94	
32 84 13 00-0031	EA	17mm, Barbed Coupling For Irrigation Tubing (Rain Bird® XFFCOUP).....	3.19	
For Compression Fitting, Add			0.43	
32 84 13 00-0032	EA	17mm, Barbed Elbow For Irrigation Tubing (Rain Bird® XFF-ELBOW).....	3.31	
For Compression Fitting, Add			0.55	
32 84 13 00-0033	EA	17mm, Barbed Tee For Irrigation Tubing (Rain Bird® XFF-TEE).....	3.37	
For Compression Fitting, Add			0.61	
32 84 13 00-0034	EA	17mm, Barbed Male Adapter For Irrigation Tubing (Rain Bird® XFFMA050).....	3.41	
For Compression Fitting, Add			0.65	
32 84 13 00-0035	EA	17mm, Barbed Cross For Irrigation Tubing (Rain Bird® XFFDCROSS).....	3.67	
For Compression Fitting, Add			0.91	
32 84 13 00-0036	EA	1/2", Plug For Irrigation Tubing (Rain Bird® MDCFCAP).....	3.96	
32 84 13 00-0037	EA	12 Gauge, Galvanized Stake For Irrigation Tubing (Rain Bird® TDS050BEND).....	1.95	

##### 32 84 13 00-0038 Drip Emitters <sup>(32 84 13 00-0001)</sup>

32 84 13 00-0039	EA	0.5 To 2 GPH, Single Outlet, Pressure Compensating Emitter For Drip Emitter Irrigation Systems (Rain Bird® XB20PC).....	6.18	
32 84 13 00-0040	EA	5 To 24 GPH, Single Outlet, Pressure Compensating Emitter For Drip Emitter Irrigation Systems (Rain Bird® PC24).....	7.33	

**32 Exterior Improvements****32 80 Irrigation****32 84 Planting Irrigation**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 13 00-0041	EA	0.5 To 2 GPH, Six Outlet, Pressure Compensating Emmitter For Drip Emmitter Irrigation Systems (Rain Bird® XB056).....	16.43	
<b>32 84 13 00-0042</b>		<b>Drip Emmitter Irrigation Micro-Bubblers, Sprays And Mistors (32 84 13 00-0001)</b>		
32 84 13 00-0043	EA	Adjustable Stream Bubbler With Spike For Drip Emmitter Irrigation Systems (Rain Bird® SXB360SPYK).....	23.86	9.93
32 84 13 00-0044	EA	Adjustable Micro Spray With Spike For Drip Emmitter Irrigation Systems (Rain Bird® XS360TSPYK).....	23.92	9.93
32 84 13 00-0045	EA	12" Height, Riser Assembly With Pressure Compensating Nozzle For Drip Emmitter Irrigation Systems (Rain Bird® SQADP12 With SQFUL).....	27.11	9.93
32 84 13 00-0046	EA	24" Height, Riser Assembly With Pressure Compensating Nozzle For Drip Emmitter Irrigation Systems (Rain Bird® SQADP24 With SQFUL).....	27.45	9.93
32 84 13 00-0047	EA	4" Pop-Up Height, Micro Spray Pop-Ups For Drip Emmitter Irrigation Systems (Rain Bird® XP-400X With SQFUL)..... Note: Includes nozzle.	40.75	13.02
32 84 13 00-0048	EA	6" Pop-Up Height, Micro Spray Pop-Ups For Drip Emmitter Irrigation Systems (Rain Bird® XP-600X With SQFUL)..... Note: Includes nozzle.	44.85	13.02
32 84 13 00-0049	EA	12" Pop-Up Height, Micro Spray Pop-Ups For Drip Emmitter Irrigation Systems (Rain Bird® XP1200X With SQFUL)..... Note: Includes nozzle.	48.06	13.02
<b>32 84 13 00-0050</b>		<b>Subsurface Drip Emmitter Irrigation Tubing (Rain Bird® XFS) (32 84 13 00-0001)</b>		
32 84 13 00-0051	LF	Note: Brown or purple tubing. Includes layout, trenching 4" to 6", installing tubing and backfilling trench. 0.536" ID, 0.634" OD, Subsurface Drip Emmitter Irrigation Tubing (Rain Bird® XFS Copper Shield).....	4.48	1.93
<b>32 84 23</b>		<b>Underground Sprinklers (32 84)</b>		
<b>32 84 23 00-0001</b>		<b>Sprinkler Heads (32 84 23)</b>		
<b>32 84 23 00-0002</b>		<b>Spray Sprinkler Heads (32 84 23 00-0001)</b>		
		Note: Includes plastic riser and case. Includes spray, variable arc or bubbler nozzle with partial or full circle coverage.		
32 84 23 00-0003	EA	2" Pop-Up Height, Spray Sprinkler Head (Rain Bird® 1802P)..... For Rotary Nozzle, Add	35.53 3.25	12.19
32 84 23 00-0004	EA	4" Pop-Up Height, Spray Sprinkler Head (Rain Bird® 1804P)..... For Rotary Nozzle, Add	33.20 3.25	12.19
32 84 23 00-0005	EA	6" Pop-Up Height, Spray Sprinkler Head (Rain Bird® 1806P)..... For Rotary Nozzle, Add	41.83 3.25	12.19
32 84 23 00-0006	EA	12" Pop-Up Height, Spray Sprinkler Head (Rain Bird® 1812P)..... For Rotary Nozzle, Add	49.05 3.25	12.19
32 84 23 00-0007	EA	4" Pop-Up Height, Spray Sprinkler Head With Check Valve (Rain Bird® 1804-SAM)..... For Rotary Nozzle, Add	36.45 3.25	12.19
32 84 23 00-0008	EA	6" Pop-Up Height, Spray Sprinkler Head With Check Valve (Rain Bird® 1806-SAM)..... For Rotary Nozzle, Add	48.59 3.25	12.19
32 84 23 00-0009	EA	12" Pop-Up Height, Spray Sprinkler Head With Check Valve (Rain Bird® 1812-SAM)..... For Rotary Nozzle, Add	54.44 3.25	12.19
32 84 23 00-0010	EA	4" Pop-Up Height, Spray Sprinkler Head With Pressure Regulator (Rain Bird® 1804-PRS)..... For Rotary Nozzle, Add	39.91 3.25	12.19
32 84 23 00-0011	EA	6" Pop-Up Height, Spray Sprinkler Head With Pressure Regulator (Rain Bird® 1806-PRS)..... For Rotary Nozzle, Add	50.98 3.25	12.19
32 84 23 00-0012	EA	12" Pop-Up Height, Spray Sprinkler Head With Pressure Regulator (Rain Bird® 1812-PRS)..... For Rotary Nozzle, Add	56.43 3.25	12.19
32 84 23 00-0013	EA	4" Pop-Up Height, Spray Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 1804-SAM-PRS)..... For Rotary Nozzle, Add	41.29 3.25	12.19
32 84 23 00-0014	EA	6" Pop-Up Height, Spray Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 1806-SAM-PRS)..... For Rotary Nozzle, Add	58.28 3.25	12.19
32 84 23 00-0015	EA	12" Pop-Up Height, Spray Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 1812-SAM-PRS)..... For Rotary Nozzle, Add	63.66 3.25	12.19
32 84 23 00-0016	EA	Bubbler Head With Screen, 1/2" NPT (Rain Bird® 1300)..... For Rotary Nozzle, Add	28.67 3.25	12.19
32 84 23 00-0017	EA	Pressure Compensating Bubbler With Screen, 1/2" NPT (Rain Bird® 1400).....	34.07	12.19
<b>32 84 23 00-0018</b>		<b>Gear-Drive, Rotary Sprinkler Heads (32 84 23 00-0001)</b>		
		Note: Maximum spacing is equivalent to maximum radius.		
<b>32 84 23 00-0019</b>		<b>1/2" Inlet, Up To 35' Spacing, Gear-Drive, Rotary Sprinkler Heads (32 84 23 00-0018)</b>		
		Note: Includes plastic riser and case, standard rubber cover and nozzle with partial or full circle coverage.		
32 84 23 00-0020	EA	4" Pop-Up Height, 1/2" Inlet, Up To 35' Spacing, Gear-Drive, Rotary Sprinkler Head (Rain Bird® 3504PC)..... For Non-Potable Cover, Add	52.59 2.00	12.19
32 84 23 00-0021	EA	4" Pop-Up Height, 1/2" Inlet, Up To 35' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve (Rain Bird® 3504-PC-SAM)..... For Non-Potable Cover, Add	54.51 2.00	12.19
<b>32 84 23 00-0022</b>		<b>3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Heads (32 84 23 00-0018)</b>		
		Note: Includes plastic riser and case, standard rubber cover and nozzle with partial or full circle coverage.		
32 84 23 00-0023	EA	4" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head (Rain Bird® 5004-PLPC)..... For Non-Potable Cover, Add For Stainless Steel Riser, Add	47.98 2.00 9.00	12.19
32 84 23 00-0024	EA	6" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head (Rain Bird® 5006-PLPC)..... For Non-Potable Cover, Add For Stainless Steel Riser, Add	68.73 2.00 9.00	12.19



<b>Exterior Improvements</b>		<b>32</b>
Irrigation		32 80
Planting Irrigation		32 84

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0025	EA	4" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve (Rain Bird® 5004-PLPCS).....	51.82	12.19
		<i>For Non-Potable Cover, Add</i>	2.00	
		<i>For Stainless Steel Riser, Add</i>	9.00	
32 84 23 00-0026	EA	6" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve (Rain Bird® 5006-PLPCS).....	71.81	12.19
		<i>For Non-Potable Cover, Add</i>	2.00	
		<i>For Stainless Steel Riser, Add</i>	9.00	
32 84 23 00-0027	EA	4" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Pressure Regulator (Rain Bird® 5004+PCR).....	53.36	12.19
		<i>For Non-Potable Cover, Add</i>	2.00	
		<i>For Stainless Steel Riser, Add</i>	9.00	
32 84 23 00-0028	EA	4" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 5004+FCSR).....	56.43	12.19
		<i>For Non-Potable Cover, Add</i>	2.00	
		<i>For Stainless Steel Riser, Add</i>	9.00	
32 84 23 00-0029	EA	6" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 5006+PCSR).....	76.42	12.19
		<i>For Non-Potable Cover, Add</i>	2.00	
		<i>For Stainless Steel Riser, Add</i>	9.00	
32 84 23 00-0030	EA	12" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 5012+PCSR).....	88.72	12.19
		<i>For Non-Potable Cover, Add</i>	2.00	
		<i>For Stainless Steel Riser, Add</i>	9.00	
32 84 23 00-0031	EA	Shrub Type, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve (Rain Bird® 5000S-PLPCS).....	56.05	12.19
		<i>For Non-Potable Cover, Add</i>	2.00	
32 84 23 00-0032	EA	Shrub Type, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 5000S+PCSR).....	68.35	12.19
		<i>For Non-Potable Cover, Add</i>	2.00	
<b>32 84 23 00-0033</b>		<b>1" Inlet, Up To 65' Spacing, Gear-Drive, Rotary Sprinkler Heads</b> <small>(32 84 23 00-0018)</small> Note: Includes plastic riser and case, standard rubber cover, check valve and nozzle with partial or full circle coverage.		
32 84 23 00-0034	EA	4" Pop-Up Height, 1" Inlet, Up To 65' Spacing, Gear-Drive, Rotary Sprinkler Head (Rain Bird® F4PC).....	97.56	12.19
		<i>For Non-Potable Cover, Add</i>	2.00	
		<i>For Stainless Steel Riser, Add</i>	9.00	
		<i>For Stainless Steel Riser And High Speed Rotor, Add</i>	56.58	
<b>32 84 23 00-0035</b>		<b>1" Inlet, Up To 80' Spacing, Gear-Drive, Rotary Sprinkler Heads</b> <small>(32 84 23 00-0018)</small> Note: Includes plastic riser and case, standard rubber cover, check valve and nozzle with partial or full circle coverage.		
32 84 23 00-0036	EA	5" Pop-Up Height, 1" Inlet, Up To 80' Spacing, Gear-Drive, Rotary Sprinkler Head (Rain Bird® 8005).....	142.14	12.19
		<i>For Non-Potable Cover, Add</i>	2.00	
		<i>For Stainless Steel Riser, Add</i>	9.00	
<b>32 84 23 00-0037</b>		<b>Impact-Drive Sprinkler Heads</b> <small>(32 84 23 00-0001)</small> Note: Includes partial or full circle coverage. Maximum spacing is equivalent to maximum radius.		
32 84 23 00-0038	EA	1/2" Inlet, Up To 45' Spacing, Pop-Up, Impact-Drive Rotary Sprinkler Head (Rain Bird® 2045A-08).....	76.04	12.19
		<i>For Non-Potable Cover, Add</i>	2.00	
32 84 23 00-0039	EA	1/2" Inlet, Up To 45' Spacing, Riser Mounted, Plastic Body, Impact-Drive Sprinkler Head (Rain Bird® 2045-PJ08).....	57.59	12.19
32 84 23 00-0040	EA	3/4" Inlet, Up To 51' Spacing, Riser Mounted, Brass/Bronze Body, Impact-Drive Sprinkler Head (Rain Bird® 35A-ADJ-TNTB).....	119.05	12.19
<b>32 84 23 00-0041</b>		<b>Electric Remote Control Irrigation Valves</b> <small>(32 84 23)</small>		
<b>32 84 23 00-0042</b>		<b>0.2 To 22 GPM, Plastic, Electric Remote Control Irrigation Valves (Rain Bird® DV Series)</b> <small>(32 84 23 00-0041)</small> Note: 15 to 150 PSI.		
32 84 23 00-0043	EA	3/4", 0.2 To 22 GPM, Plastic, Electric Remote Control Irrigation Valve (Rain Bird® 75DV).....	149.85	50.82
32 84 23 00-0044	EA	1", 0.2 To 40 GPM, Plastic, Electric Remote Control Irrigation Valve (Rain Bird® 100DV).....	149.85	50.82
32 84 23 00-0045	EA	1", 0.2 To 40 GPM, Slip-On, Plastic, Electric Remote Control Irrigation Valve (Rain Bird® 100DVSS).....	164.37	57.93
32 84 23 00-0046	EA	1", 0.2 To 22 GPM, Plastic, Electric Remote Control Irrigation Angle Valve (Rain Bird® 100DVA).....	151.38	50.82
<b>32 84 23 00-0047</b>		<b>0.2 To 22 GPM, Plastic, Electric Remote Control Irrigation Valves With Flow Control (Rain Bird® DVF Series)</b> <small>(32 84 23 00-0041)</small> Note: 15 to 150 PSI.		
32 84 23 00-0048	EA	1", 0.2 To 40 GPM, Plastic, Electric Remote Control Irrigation Valve With Flow Control (Rain Bird® 100DVF).....	151.38	50.82
32 84 23 00-0049	EA	1", 0.2 To 40 GPM, Slip-On, Plastic, Electric Remote Control Irrigation Valve With Flow Control (Rain Bird® 100DVFSS).....	166.67	57.93
32 84 23 00-0050	EA	1", 0.2 To 40 GPM, Male x Barb, Plastic, Electric Remote Control Irrigation Valve With Flow Control (Rain Bird® 100DVFMB).....	168.21	57.93
<b>32 84 23 00-0051</b>		<b>0.25 To 200 GPM, Plastic, Electric Remote Control Irrigation Valves (Rain Bird® PEB Series)</b> <small>(32 84 23 00-0041)</small> Note: 20 to 200 PSI.		
32 84 23 00-0052	EA	1", 0.25 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve (Rain Bird® 100PEB).....	274.37	50.82

**32 Exterior Improvements****32 80 Irrigation****32 84 Planting Irrigation**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0053 EA 1-1/2", 0.25 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve (Rain Bird® 150PEB) .....	328.18	50.82
32 84 23 00-0054 EA 2", 0.25 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve (Rain Bird® 200PEB) .....	397.36	50.82
<b>32 84 23 00-0055 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valves With Pressure Regulator (Rain Bird® PEB PRS-D Series) (32 84 23 00-0041)</b> Note: 20 to 200 PSI operating range pressure and 15 to 100 PSI pressure regulation.		
32 84 23 00-0056 EA 1", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 100PEB PRS-D) .....	403.79	57.13
32 84 23 00-0057 EA 1-1/2", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 150PEB PRS-D) .....	457.60	57.13
32 84 23 00-0058 EA 2", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 200PEB PRS-D) .....	526.78	57.13
<b>32 84 23 00-0059 20 To 200 GPM, Plastic, Electric Remote Control Irrigation Valves With Pressure Regulator And Scrubber Valve (Rain Bird® PESB PRS-D Series) (32 84 23 00-0041)</b> Note: 20 to 200 PSI operating range pressure and 15 to 100 PSI pressure regulation.		
32 84 23 00-0060 EA 1", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator And Scrubber Valve (Rain Bird® 100PESB PRS-D) .....	480.66	57.13
32 84 23 00-0061 EA 1-1/2", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator And Scrubber Valve (Rain Bird® 150PESB PRS-D) .....	534.47	57.13
32 84 23 00-0062 EA 2", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator And Scrubber Valve (Rain Bird® 200PESB PRS-D) .....	603.65	57.13
<b>32 84 23 00-0063 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valves (Hunter IBV Series) (32 84 23 00-0041)</b> Note: 20 to 200 PSI operating range pressure.		
32 84 23 00-0064 EA 1", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valve (Hunter IBV-101G-B) .....	427.41	50.82
32 84 23 00-0065 EA 1-1/2", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valve (Hunter IBV-151G-B) .....	674.79	50.82
32 84 23 00-0066 EA 2", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valve (Hunter IBV-201G-B) .....	697.15	50.82
32 84 23 00-0067 EA 3", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valve (Hunter IBV-301G-B) .....	1,675.86	68.62
<b>32 84 23 00-0068 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valves (Rain Bird® EFB-CP Series) (32 84 23 00-0041)</b> Note: 15 to 200 PSI operating range pressure and 15 to 100 PSI pressure regulation.		
32 84 23 00-0069 EA 1", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Rain Bird® 100EFB-CP) .....	387.11	57.13
32 84 23 00-0070 EA 1-1/4", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Rain Bird® 125EFB-CP) .....	460.68	57.13
32 84 23 00-0071 EA 1-1/2", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Rain Bird® 150EFB-CP) .....	540.54	57.13
32 84 23 00-0072 EA 2", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Rain Bird® 200EFB-CP) .....	645.70	57.13
<b>32 84 23 00-0073 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valves (Hunter IBV FS Series) (32 84 23 00-0041)</b> Note: 20 to 200 PSI operating range pressure and 20 to 100 PSI pressure regulation.		
32 84 23 00-0074 EA 1", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Hunter IBV-101G-B-FS) .....	525.39	57.13
32 84 23 00-0075 EA 1-1/2", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Hunter IBV-151G-B-FS) .....	818.88	57.13
32 84 23 00-0076 EA 2", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Hunter IBV-201G-B-FS) .....	844.04	57.13
32 84 23 00-0077 EA 3", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Hunter IBV-301G-B-FS) .....	1,802.79	57.13
<b>32 84 23 00-0078 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valves With Pressure Regulator (Hunter IBV ACCU-SYNC Series) (32 84 23 00-0041)</b> Note: 20 to 200 PSI operating range pressure and 20 to 100 PSI pressure regulation.		
32 84 23 00-0079 EA 1", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valves With Pressure Regulator (Hunter IBV-101G-B ACCU-SYNC-ADJ) .....	539.22	50.82
32 84 23 00-0080 EA 1-1/2", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valves With Pressure Regulator (Hunter IBV-151G-B ACCU-SYNC-ADJ) .....	786.59	50.82
32 84 23 00-0081 EA 2", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valves With Pressure Regulator (Hunter IBV-201G-B ACCU-SYNC-ADJ) .....	808.95	50.82
32 84 23 00-0082 EA 3", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valves With Pressure Regulator (Hunter IBV-301G-B ACCU-SYNC-ADJ) .....	1,787.67	68.62
<b>32 84 23 00-0083 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valves With Pressure Regulator (Rain Bird® EFB-CP PRS-D Series) (32 84 23 00-0041)</b> Note: 15 to 200 PSI operating range pressure and 15 to 100 PSI pressure regulation.		
32 84 23 00-0084 EA 1", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 100EFB-CP PRS-D) .....	502.42	57.13



<b>Exterior Improvements</b>		<b>32</b>
Irrigation		32 80
Planting Irrigation		32 84

32

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0085 EA 1-1/4", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 125EFB-CP PRS-D).....	575.98	57.13
32 84 23 00-0086 EA 1-1/2", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 150EFB-CP PRS-D).....	655.85	57.13
32 84 23 00-0087 EA 2", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 200EFB-CP PRS-D).....	761.00	57.13
<b>32 84 23 00-0088 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valves With Pressure Regulator (Hunter IBV FS ACCU-SYNC Series)</b> (32 84 23 00-0041)		
Note: 20 to 200 PSI operating range pressure and 20 to 100 PSI pressure regulation.		
32 84 23 00-0089 EA 1", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Hunter IBV-101G-B-FS ACCU-SYNC-ADJ).....	637.19	57.13
32 84 23 00-0090 EA 1-1/2", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Hunter IBV-151G-B-FS ACCU-SYNC-ADJ).....	930.69	57.13
32 84 23 00-0091 EA 2", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Hunter IBV-201G-B-FS ACCU-SYNC-ADJ).....	955.85	57.13
32 84 23 00-0092 EA 3", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Hunter IBV-301G-B-FS ACCU-SYNC-ADJ).....	1,914.60	57.13
<b>32 84 23 00-0093 Other Electric Remote Control Valves/Accessories</b> (32 84 23 00-0041)		
32 84 23 00-0094 EA Pressure Regulator Module For Electric Remote Control Valves (Rain Bird® PRS-DIAL).....	155.96	
<b>32 84 23 00-0095 Remote Control Valve Assemblies</b> (32 84 23 00-0041)		
Note: Includes excavation and disposal of soil, installation of 6" minimum depth gravel or crushed rock, woven wire cloth, valve, fittings, valve box (Carson 1419-12), as detailed in the Caltrans Standard Plans 2010 page 224.		
32 84 23 00-0096 EA 1" Glass-Filled Nylon Remote Control Valve With Flow Control And Captured Solenoid (Rain Bird® PEB) And Box (Carson 1419-12).....	549.98	127.07
32 84 23 00-0097 EA 1-1/2" Glass-Filled Nylon Remote Control Valve With Flow Control And Captured Solenoid (Rain Bird® PEB) And Box (Carson 1419-12).....	603.78	127.07
32 84 23 00-0098 EA 2" Glass-Filled Nylon Remote Control Valve With Flow Control And Captured Solenoid (Rain Bird® PEB) And Box (Carson 1419-12).....	672.97	127.07
32 84 23 00-0099 EA 1" Glass-Filled Nylon Remote Control Scrubber Valve With Flow Control And Captured Solenoid (Rain Bird® PESB-R) And Box (Carson 1419-12).....	626.84	127.07
Note: Purple components for use with recycled water		
32 84 23 00-0100 EA 1-1/2" Glass-Filled Nylon Remote Control Scrubber Valve With Flow Control And Captured Solenoid (Rain Bird® PESB-R) And Box (Carson 1419-12).....	680.65	127.07
Note: Purple components for use with recycled water		
32 84 23 00-0101 EA 2" Glass-Filled Nylon Remote Control Scrubber Valve With Flow Control And Captured Solenoid (Rain Bird® PESB-R) And Box (Carson 1419-12).....	749.83	127.07
Note: Purple components for use with recycled water		
32 84 23 00-0102 EA 1" Brass Remote Control Valve With Flow Control And Captured Solenoid (Rain Bird® EFB-CP-R) And Box (Carson 1419-12).....	648.60	127.07
Note: Purple components for use with recycled water		
32 84 23 00-0103 EA 1-1/2" Brass Remote Control Valve With Flow Control And Captured Solenoid (Rain Bird® EFB-CP-R) And Box (Carson 1419-12).....	802.03	127.07
Note: Purple components for use with recycled water		
32 84 23 00-0104 EA 2" Brass Remote Control Valve With Flow Control And Captured Solenoid (Rain Bird® EFB-CP-R) And Box (Carson 1419-12).....	907.18	127.07
Note: Purple components for use with recycled water		
<b>32 84 23 00-0105 Irrigation Valve Boxes</b> (32 84 23)		
Note: Includes lid.		
32 84 23 00-0106 EA 6" Round Irrigation Valve Box With Lid (Rain Bird® PVB-6RND).....	87.32	36.59
32 84 23 00-0107 EA 7" Round Irrigation Valve Box With Lid (Rain Bird® VB-7RND).....	105.48	36.59
32 84 23 00-0108 EA 10" Round Irrigation Valve Box With Lid (Rain Bird® VB-10RND).....	138.29	48.18
32 84 23 00-0109 EA 21.8" x 16.6" x 12" Depth, Rectangular Irrigation Valve Box With Lid (Rain Bird® VB-STD).....	230.43	70.34
32 84 23 00-0110 EA 21.8" x 16.6" x 12" Depth, Rectangular Irrigation Valve Box With Lock (Rain Bird® VB-STDH).....	235.56	70.34
32 84 23 00-0111 EA 26.3" x 19.8" x 12.1" Depth, Rectangular Irrigation Valve Box With Lid (Rain Bird® VB-JMB).....	272.35	70.34
32 84 23 00-0112 EA 26.3" x 19.8" x 12.1" Depth, Rectangular Irrigation Valve Box With Lock (Rain Bird® VB-JMBH).....	276.73	70.34
32 84 23 00-0113 EA 33.1" x 23.8" x 15" Depth, Rectangular Irrigation Valve Box With Lock (Rain Bird® VB-SPRH).....	487.01	70.34
32 84 23 00-0114 EA 40.3" x 27.1" x 18" Depth, Rectangular Irrigation Valve Box With Lock (Rain Bird® VB-MAXH).....	759.35	70.34
32 84 23 00-0115 EA Number 5 CALTRANS Concrete Valve Box With Non-Traffic Rated Concrete Lid.....	436.68	124.17
For 12" Extension, Add 96.47		
32 84 23 00-0116 EA Number 5 CALTRANS Concrete Valve Box With Non-Traffic Rated Steel Lid.....	704.23	124.17
For 12" Extension, Add 96.47		
32 84 23 00-0117 EA 12" x 17" x 12" Depth, Rectangular Irrigation Valve Box With Lid (Carson 1419-12).....	188.46	60.99
32 84 23 00-0118 EA 15" x 21" x 12" Depth, Rectangular Irrigation Valve Box With Lid (Carson 1220-12).....	274.66	70.34
32 84 23 00-0119 EA 10" Round Irrigation Valve Box With Lid (Carson 910-10).....	144.49	48.18
<b>32 84 23 00-0120 Irrigation Controllers</b> (32 84 23)		
See CSI section 27 15 13 00-0256 for low voltage wiring.		
<b>32 84 23 00-0121 Irrigation Controllers</b> (32 84 23 00-0120)		
<b>32 84 23 00-0122 Irrigation Controllers (Rain Bird®)</b> (32 84 23 00-0121)		

**32 Exterior Improvements****32 80 Irrigation****32 84 Planting Irrigation**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

32 84 23 00-0123		Four Program, Indoor Mount, Modular Irrigation Controllers (Rain Bird® ESP Series) <small>(32 84 23 00-0122)</small>		
32 84 23 00-0124		Four Program, Modular Irrigation Controllers (Rain Bird® ESP-ME Series) <small>(32 84 23 00-0123)</small>		
32 84 23 00-0125		Four Program, Indoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-MEI Series) <small>(32 84 23 00-0124)</small>		
32 84 23 00-0126	EA	4-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series) .....	416.07	33.14
32 84 23 00-0127	EA	7-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series) .....	580.30	33.14
32 84 23 00-0128	EA	10-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series) .....	744.55	33.14
32 84 23 00-0129	EA	13-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series) .....	908.79	33.14
32 84 23 00-0130	EA	16-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series) .....	1,039.88	33.14
32 84 23 00-0131	EA	19-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series) .....	1,208.27	33.14
32 84 23 00-0132	EA	22-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series) .....	1,376.66	33.14
32 84 23 00-0133		Four Program, Outdoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-ME Series) <small>(32 84 23 00-0124)</small>		
32 84 23 00-0134	EA	4-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series) .....	494.70	33.14
32 84 23 00-0135	EA	7-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series) .....	658.93	33.14
32 84 23 00-0136	EA	10-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series) .....	823.18	33.14
32 84 23 00-0137	EA	13-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series) .....	987.42	33.14
32 84 23 00-0138	EA	16-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series) .....	1,118.51	33.14
32 84 23 00-0139	EA	19-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series) .....	1,286.90	33.14
32 84 23 00-0140	EA	22-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series) .....	1,455.29	33.14
32 84 23 00-0141		Four Program, Modular Irrigation Controllers (Rain Bird® ESP-SMTE Series) <small>(32 84 23 00-0123)</small>		
32 84 23 00-0142		Four Program, Indoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-SMTEI Series) <small>(32 84 23 00-0141)</small>		
32 84 23 00-0143	EA	4-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series) .....	689.20	33.14
32 84 23 00-0144	EA	7-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series) .....	853.43	33.14
32 84 23 00-0145	EA	10-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series) .....	1,017.69	33.14
32 84 23 00-0146	EA	13-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series) .....	1,181.92	33.14
32 84 23 00-0147	EA	16-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series) .....	1,313.02	33.14
32 84 23 00-0148	EA	19-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series) .....	1,481.41	33.14
32 84 23 00-0149	EA	22-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series) .....	1,649.79	33.14
32 84 23 00-0150		Four Program, Outdoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-SMTE Series) <small>(32 84 23 00-0141)</small>		
32 84 23 00-0151	EA	4-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series) .....	748.12	33.14
32 84 23 00-0152	EA	7-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series) .....	912.35	33.14
32 84 23 00-0153	EA	10-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series) .....	1,076.61	33.14
32 84 23 00-0154	EA	13-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series) .....	1,240.84	33.14
32 84 23 00-0155	EA	16-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series) .....	1,371.93	33.14
32 84 23 00-0156	EA	19-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series) .....	1,540.33	33.14
32 84 23 00-0157	EA	22-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series) .....	1,708.71	33.14
32 84 23 00-0158		Accessories For ESP-ME/MEI Irrigation Controllers <small>(32 84 23 00-0123)</small>		
32 84 23 00-0159	EA	3-Station Expansion Module For ESP Series Irrigation Controllers (Rain Bird® ESP-SM3) .....	168.38	
		Note: Use task for increasing capacity of existing ESP series irrigation controllers up to a maximum of 22-stations.		
32 84 23 00-0160	EA	6-Station Expansion Module For ESP Series Irrigation Controllers (Rain Bird® ESP-SM6) .....	320.37	
		Note: Use task for increasing capacity of existing ESP series irrigation controllers up to a maximum of 22-stations.		
32 84 23 00-0161	EA	Smart Controller Upgrade Kit For ESP Series Irrigation Controllers (Rain Bird® ESPSMTEUPG) .....	488.52	
32 84 23 00-0162		Four Program, Indoor/Outdoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-LX Series) <small>(32 84 23 00-0122)</small>		
32 84 23 00-0163		Four Program, Indoor/Outdoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-LX Basic Series) <small>(32 84 23 00-0162)</small>		
32 84 23 00-0164	EA	12-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series) .....	1,004.98	33.14
32 84 23 00-0165	EA	16-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series) .....	1,213.01	33.14
32 84 23 00-0166	EA	20-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series) .....	1,424.87	33.14
32 84 23 00-0167	EA	24-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series) .....	1,632.90	33.14
32 84 23 00-0168	EA	28-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series) .....	1,844.74	33.14
32 84 23 00-0169	EA	32-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series) .....	2,052.78	33.14
32 84 23 00-0170	EA	36-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series) .....	2,264.62	33.14
32 84 23 00-0171	EA	40-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series) .....	2,472.65	33.14
32 84 23 00-0172	EA	44-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series) .....	2,684.51	33.14
32 84 23 00-0173	EA	48-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series) .....	2,892.54	33.14



<b>Exterior Improvements</b>		<b>32</b>
Irrigation		32 80
Planting Irrigation		32 84

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>32 84 23 00-0174</b>	<b>Four Program, Indoor/Outdoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-LXME Series)</b> (32 84 23 00-0162)		
32 84 23 00-0175	EA 8-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series).....	1,025.76	33.14
32 84 23 00-0176	EA 12-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series).....	1,233.78	33.14
32 84 23 00-0177	EA 16-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series).....	1,445.63	33.14
32 84 23 00-0178	EA 20-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series).....	1,653.67	33.14
32 84 23 00-0179	EA 24-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series).....	1,865.52	33.14
32 84 23 00-0180	EA 28-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series).....	2,073.55	33.14
32 84 23 00-0181	EA 32-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series).....	2,285.40	33.14
32 84 23 00-0182	EA 36-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series).....	2,493.43	33.14
32 84 23 00-0183	EA 40-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series).....	2,705.27	33.14
32 84 23 00-0184	EA 44-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series).....	2,913.32	33.14
32 84 23 00-0185	EA 48-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series).....	3,125.16	33.14
<b>32 84 23 00-0186</b>	<b>Accessories For ESP-LX/LXME Irrigation Controllers</b> (32 84 23 00-0162)		
32 84 23 00-0187	EA Powder Coated Steel Wall Cabinet For ESP-LX/LXME Irrigation Controllers (Rain Bird® LXMM).....	778.79	
32 84 23 00-0188	EA Powder Coated Steel Cabinet And Pedestal For ESP-LX/LXME Irrigation Controllers (Rain Bird® LXMMPED + LXMM).....	1,814.99	
	Note: Excludes concrete foundation.		
32 84 23 00-0189	EA Stainless Steel Wall Cabinet For ESP-LX/LXME Irrigation Controllers (Rain Bird® LXMMSS).....	1,741.67	
32 84 23 00-0190	EA Stainless Steel Cabinet And Pedestal For ESP-LX/LXME Irrigation Controllers (Rain Bird® LXMMSSPED + LXMMSS).....	3,874.22	
	Note: Excludes concrete foundation.		
32 84 23 00-0191	EA 4-Station Expansion Module For ESP-LX/LXME Irrigation Controllers (Rain Bird® ESPLXMSM4).....	208.03	
	Note: Use task for increasing capacity of existing ESP-LX/LXME irrigation controllers up to a maximum of 48-stations.		
32 84 23 00-0192	EA 8-Station Expansion Module For ESP-LX/LXME Irrigation Controllers (Rain Bird® ESPLXMSM8).....	419.88	
	Note: Use task for increasing capacity of existing ESP-LX/LXME irrigation controllers up to a maximum of 48-stations.		
32 84 23 00-0193	EA 12-Station Expansion Module For ESP-LX/LXME Irrigation Controllers (Rain Bird® ESPLXMSM12).....	654.13	
	Note: Use task for increasing capacity of existing ESP-LX/LXME irrigation controllers up to a maximum of 48-stations.		
32 84 23 00-0194	EA Flow Smart Water Management Module For ESP-LXME Irrigation Controllers (Rain Bird® FSM-LXME).....	247.42	
<b>32 84 23 00-0195</b>	<b>Three Program, Battery-Operated, Buriable Irrigation Control Modules (Rain Bird® TBOS-II Series)</b> (32 84 23 00-0122)		
<b>32 84 23 00-0196</b>	<b>Three Program, Battery-Operated, Buriable Irrigation Control Modules (Rain Bird® TBOS-II Series)</b> (32 84 23 00-0195)		
32 84 23 00-0197	EA 1-Station, Three Program, Battery-Operated, Buriable Irrigation Control Module (Rain Bird® TBOS-II Series).....	499.83	33.14
32 84 23 00-0198	EA 2-Station, Three Program, Battery-Operated, Buriable Irrigation Control Module (Rain Bird® TBOS-II Series).....	599.70	33.14
32 84 23 00-0199	EA 4-Station, Three Program, Battery-Operated, Buriable Irrigation Control Module (Rain Bird® TBOS-II Series).....	734.61	33.14
<b>32 84 23 00-0200</b>	<b>Accessories For TBOS-II Series Irrigation Controllers</b> (32 84 23 00-0195)		
32 84 23 00-0201	EA Field Transmitter For TBOS-II Series Irrigation Controllers (Rain Bird® TBOS2FTUS).....	667.34	
32 84 23 00-0202	EA Potted Latching Solenoid For TBOS-II Series Irrigation Controllers (Rain Bird® TBOSPSOL).....	121.51	24.85
<b>32 84 23 00-0203</b>	<b>Accessories For Irrigation Controllers (Rain Bird®)</b> (32 84 23 00-0122)		
32 84 23 00-0204	EA Wired Rain Sensor For Irrigation Controllers (Rain Bird® RSDBEX).....	162.34	24.85
32 84 23 00-0205	EA Wireless Rain Sensor And Controller Interface For Irrigation Controllers (Rain Bird® WR2RC).....	343.02	24.85
32 84 23 00-0206	EA Wireless Rain/Freeze Sensor And Controller Interface For Irrigation Controllers (Rain Bird® WR2RFC).....	365.90	24.85
32 84 23 00-0207	EA Soil Moisture Sensor And Controller Interface For Irrigation Controllers (Rain Bird® SMRT-Y).....	564.20	24.85
<b>32 84 23 00-0208</b>	<b>Two-Wire Decoder Systems</b> (32 84 23 00-0120)		
<b>32 84 23 00-0209</b>	<b>Two-Wire Decoder Systems (Rain Bird®)</b> (32 84 23 00-0208)		
<b>32 84 23 00-0210</b>	<b>Controllers For Two-Wire Decoder Systems (Rain Bird® ESP-LXD Series)</b> (32 84 23 00-0209)		
	Note: Includes water resistant cabinet.		
32 84 23 00-0211	EA 50-Station, Modular Controller For Two-Wire Decoder Systems (Rain Bird® ESP-LXD Series).....	3,010.64	33.14
32 84 23 00-0212	EA 125-Station, Modular Controller For Two-Wire Decoder Systems (Rain Bird® ESP-LXD Series).....	4,181.67	33.14
32 84 23 00-0213	EA 200-Station, Modular Controller For Two-Wire Decoder Systems (Rain Bird® ESP-LXD Series).....	5,352.69	33.14
<b>32 84 23 00-0214</b>	<b>Field Decoders For Two-Wire Decoder Systems (Rain Bird®)</b> (32 84 23 00-0209)		
32 84 23 00-0215	EA One Individual Valve Interface, Field Decoder For Two-Wire Decoder System (Rain Bird® FD101TURF).....	361.54	33.14
32 84 23 00-0216	EA One Pair Of Valves Interface, Field Decoder For Two-Wire Decoder System (Rain Bird® FD102TURF).....	462.01	33.14
32 84 23 00-0217	EA Two Pair Of Valves Interface, Field Decoder For Two-Wire Decoder System (Rain Bird® FD202TURF).....	696.09	33.14
32 84 23 00-0218	EA Up To Four Individual Valves Interface, Field Decoder For Two-Wire Decoder System (Rain Bird® FD401TURF).....	857.74	33.14
32 84 23 00-0219	EA Up To Six Individual Valves Interface, Field Decoder For Two-Wire Decoder System (Rain Bird® FD601TURF).....	1,435.77	33.14
<b>32 84 23 00-0220</b>	<b>Accessories For Two-Wire Decoder Systems (Rain Bird®)</b> (32 84 23 00-0209)		

**32 Exterior Improvements****32 80 Irrigation****32 84 Planting Irrigation**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0221 EA 50-Station Replacement Base Module For ESP-LXD Series Two Wire Decoder Based Controllers (Rain Bird® MOD50-LXD).....	2,217.32	
32 84 23 00-0222 EA 75-Station Expansion Module For ESP-LXD Series Two Wire Decoder Based Controllers (Rain Bird® SPLXDSM75).....	1,171.03	
32 84 23 00-0223 EA Line Surge Protection For ESP-LXD Series Two-Wire Decoder Systems (Rain Bird® LSP1TURF).....	272.20	29.00
32 84 23 00-0224 EA Sensor Decoder Interface For ESP-LXD Series Two-Wire Decoder Systems (Rain Bird® SD210TURF).....	1,293.60	33.14
<b>32 84 23 00-0225 Rain Bird® Controllers (32 84 23 00-0120)</b>		
32 84 23 00-0226 EA Rainmaster Evolution Dx2 Controller ..... Note: Includes phone modem and remote plug.	7,542.39	313.07
<b>32 84 23 00-0227 Calsense Controllers (32 84 23 00-0120)</b>		
<b>32 84 23 00-0228 Irrigation Controllers (32 84 23 00-0227)</b>		
32 84 23 00-0229 EA 6 Station ET-Driven Irrigation Controller (Calsense ET2000E-6).....	2,768.50	82.85
32 84 23 00-0230 EA 8 Station ET-Driven Irrigation Controller (Calsense ET2000E-8).....	3,576.10	93.20
32 84 23 00-0231 EA 12 Station ET-Driven Irrigation Controller (Calsense ET2000E-12).....	4,916.38	103.56
32 84 23 00-0232 EA 16 Station ET-Driven Irrigation Controller (Calsense ET2000E-16).....	5,412.73	103.56
32 84 23 00-0233 EA 24 Station ET-Driven Irrigation Controller (Calsense ET2000E-24).....	6,401.92	113.92
32 84 23 00-0234 EA 32 Station ET-Driven Irrigation Controller (Calsense ET2000E-32).....	7,733.58	113.92
32 84 23 00-0235 EA 40 Station ET-Driven Irrigation Controller (Calsense ET2000E-40).....	8,759.10	124.27
32 84 23 00-0236 EA 48 Station ET-Driven Irrigation Controller (Calsense ET2000E-48).....	9,812.33	124.27
32 84 23 00-0237 EA Upgrade Existing Calsense Controller To ET2000E (Calsense ET2000E-UPGRADE).....	2,834.23	41.43
32 84 23 00-0238 EA Upgrade Existing Calsense Controller With 8 Additional Stations (Calsense STATION UPGRADE).....	1,183.40	41.43
<b>32 84 23 00-0239 Irrigation Controller Accessories (32 84 23 00-0227)</b>		
32 84 23 00-0240 EA Set Of 10 Keys For Calsense Controllers Or Enclosures (Calsense KEY-1).....	116.22	
32 84 23 00-0241 EA Spare Lock For Enclosures (Calsense PAD).....	125.90	
32 84 23 00-0242 EA Hardware And Software For Up To 4 Additional Light Circuits (Calsense L).....	146.61	10.36
32 84 23 00-0243 EA Transformer For Irrigation Controllers (Calsense TR-1).....	203.91	41.43
32 84 23 00-0244 EA AC Line Protection For Irrigation Controllers (Calsense TP-110).....	579.20	41.43
32 84 23 00-0245 EA Transient Protection Board For Irrigation Controller Stations (Calsense TP-1)..... <i>For Outdoor Gray Powder Coated Stainless Steel Enclosure, Add</i>	772.89 352.04	41.43
<b>32 84 23 00-0246 Sensors For Irrigation Controllers (32 84 23 00-0227)</b>		
<b>32 84 23 00-0247 Flow Sensors (32 84 23 00-0246)</b>		
32 84 23 00-0248 EA 1-1/2" Polyvinyl Chloride (PVC) Schedule 80 Tee Mounted Flow Meter (Calsense FM 1.5)..... <i>For Flow Meter Replacement Insert Only, Deduct</i>	1,359.09 -981.24	62.14
32 84 23 00-0249 EA 2" Polyvinyl Chloride (PVC) Schedule 80 Tee Mounted Flow Meter (Calsense FM 2)..... <i>For Flow Meter Replacement Insert Only, Deduct</i>	1,407.51 -1,029.66	62.14
32 84 23 00-0250 EA 3" Polyvinyl Chloride (PVC) Schedule 80 Tee Mounted Flow Meter (Calsense FM 3)..... <i>For Flow Meter Replacement Insert Only, Deduct</i>	1,455.94 -1,078.09	62.14
32 84 23 00-0251 EA 1" Brass Tee Mounted Flow Meter (Calsense FM 1B)..... <i>For Flow Meter Replacement Insert Only, Deduct</i>	1,606.32 -1,228.16	82.85
32 84 23 00-0252 EA 1-1/4" Brass Tee Mounted Flow Meter (Calsense FM 1.25B)..... <i>For Flow Meter Replacement Insert Only, Deduct</i>	1,727.38 -1,349.22	82.85
32 84 23 00-0253 EA 1-1/2" Brass Tee Mounted Flow Meter (Calsense FM 1.5B)..... <i>For Flow Meter Replacement Insert Only, Deduct</i>	1,775.80 -1,397.64	82.85
32 84 23 00-0254 EA 2" Brass Tee Mounted Flow Meter (Calsense FM 2B)..... <i>For Flow Meter Replacement Insert Only, Deduct</i>	2,090.56 -1,584.21	82.85
32 84 23 00-0255 EA 2" Pipe Saddle Mounted Insertion Flow Meter (Calsense FMBX)..... Note: For 4" and larger pipe. Excludes pipe saddle. <i>For Flow Meter Replacement Insert Only, Deduct</i>	1,632.42 -1,126.07	41.43
<b>32 84 23 00-0256 Moisture Sensors (32 84 23 00-0246)</b>		
32 84 23 00-0257 EA Soil Moisture Sensor (Calsense 1000-S).....	570.59	31.07
<b>32 84 23 00-0258 Weather Sensors (32 84 23 00-0246)</b>		
32 84 23 00-0259 EA Wind Gage, Irrigation Weather Sensor (Calsense WG-1).....	1,557.90	82.85
32 84 23 00-0260 EA Tipping Rain Bucket, Irrigation Weather Sensor (Calsense RB-1).....	1,772.02	165.70
32 84 23 00-0261 EA ET Gage, Irrigation Weather Sensor (Calsense ETG).....	3,577.71	124.27
<b>32 84 23 00-0262 Weather Sensor Accessories (32 84 23 00-0246)</b>		
32 84 23 00-0263 EA Ceramic Cup For ET Gage Weather Sensor (Calsense ETG-C).....	1,051.33	
32 84 23 00-0264 EA Removal And Replacement Of Circuit Board For ET Gage Weather Sensor (Calsense ETG-PCB).....	1,995.61	
32 84 23 00-0265 EA Vandal Resistant Mounting Base For ET Gage Enclosure (Calsense ETGE-BASE).....	1,051.33	41.43
32 84 23 00-0266 EA Vandal Resistant Stainless Steel Enclosure For ET Gage (Calsense ETGE).....	2,450.53	41.43
<b>32 84 23 00-0267 Antennas For Irrigation Controllers (32 84 23 00-0227)</b>		
Note: Excludes antenna cable.		
32 84 23 00-0268 EA Local Radio Dome Antenna (Calsense LR-DOME).....	542.88	41.43
32 84 23 00-0269 EA Local Radio Stick Antenna (Calsense LR-STICK).....	797.11	41.43





		<b>Exterior Improvements</b>	<b>32</b>
		Irrigation	32 80
		Planting Irrigation	32 84
			<b>32</b>

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0270	EA		Local Radio Yagi Antenna (Calsense LR-YAGI).....	879.96	82.85
32 84 23 00-0271	EA		Local Radio And Calsense Radio, Remote Dome Antenna (Calsense LR-DOME-RR).....	542.88	41.43
32 84 23 00-0272	EA		Local Radio And Calsense Radio, Enhanced Remote Dome Antenna (Calsense LR-DOME-RRE).....	542.88	41.43
32 84 23 00-0273	EA		GPRS Stubby Antenna (Calsense GR-STUBBY).....	542.88	41.43
32 84 23 00-0274	EA		GPRS Stick Antenna (Calsense GR-STICK).....	797.11	41.43
32 84 23 00-0275	EA		Spread Spectrum Dome Antenna (Calsense SR-DOME).....	542.88	41.43
32 84 23 00-0276	EA		Spread Spectrum Stick Antenna (Calsense SR-STICK).....	797.11	41.43
32 84 23 00-0277	EA		Spread Spectrum Yagi Antenna (Calsense SR-YAGI).....	879.96	82.85
32 84 23 00-0278	EA		Spread Spectrum And Calsense Radio, Remote Dome Antenna (Calsense SR-DOME-RR).....	542.88	41.43
32 84 23 00-0279	EA		Spread Spectrum And Calsense Radio, Enhanced Remote Dome Antenna (Calsense SR-DOME-RRE).....	542.88	41.43
32 84 23 00-0280	EA		Spread Spectrum Stubby Antenna (Calsense SR-STUBBY).....	542.88	41.43
32 84 23 00-0281	EA		WiFi Stubby Antenna (Calsense WEN-STUBBY).....	542.88	41.43
32 84 23 00-0282	LF		Antenna Cable With End Connectors (Calsense LMR-400-DB).....	15.03	0.50
32 84 23 00-0283	EA		Surge Protection Device For Antenna (Calsense ANT-PROT).....	549.88	20.71
32 84 23 00-0284	EA		5' High, Non-Penetrating, Antenna Tripod Mount (Calsense ANT-TRIP5).....	893.96	41.43
32 84 23 00-0285	EA		3' Antenna Stand Off Mount For 3" Maximum Tower Leg (Calsense ANT-SOM).....	786.89	
32 84 23 00-0286	EA		Local Radio Frequency Filter (Calsense LR-FILTER).....	1,113.76	
32 84 23 00-0287	EA		Spread Spectrum Frequency Filter (Calsense SR-FILTER).....	823.21	
<b>32 84 23 00-0288</b>			<b>Pedestals And Enclosures For Irrigation Controllers (32 84 23 00-0227)</b>		
32 84 23 00-0289	EA		15 Amperes, Circuit Breaker With Enclosure For Irrigation Controllers (Calsense SSE-BREAKER).....	487.45	62.14
32 84 23 00-0290	EA		Standard Gray Powder Coated Stainless Steel Controller Enclosure (Calsense C-BOX).....	1,197.63	103.56
32 84 23 00-0291	EA		Indoor Wall Mount, Stainless Steel Back Panel (Calsense SSBP)..... Note: Includes GFI and receptacle.	1,353.99	41.43
32 84 23 00-0292	EA		Standard Gray Powder Coated Stainless Steel Pedestal (Calsense PD-1)..... Note: Includes factory installed transient protection board and AC line protection.	1,623.82	31.07
32 84 23 00-0293	EA		Heavy-Duty Stainless Steel Enclosure For Irrigation Controllers (Calsense SSE)..... Note: Includes factory installed transient protection board and AC line protection.	5,112.01	31.07
32 84 23 00-0294	EA		Heavy-Duty Stainless Steel Enclosure For Irrigation Controllers (Calsense SSE-R)..... Note: Includes factory installed transient protection board, AC line protection and dome antenna.	5,776.20	31.07
32 84 23 00-0295	EA		Double-Wide Heavy-Duty Stainless Steel Enclosure For Irrigation Controllers (Calsense SSE-D)..... Note: Includes factory installed transient protection boards and AC line protection. Pre-wired for two controllers.	8,375.09	62.14
32 84 23 00-0296	EA		Double-Wide Heavy-Duty Stainless Steel Enclosure For Irrigation Controllers (Calsense SSE-D-R)..... Note: Includes factory installed transient protection boards, AC line protection and dome antenna. Pre-wired for two controllers.	8,779.55	62.14
32 84 23 00-0297	EA		Bolt Mounting Template For Heavy-Duty Stainless Steel Enclosures (Calsense SSE-CAM).....	284.84	
32 84 23 00-0298	EA		Stainless Steel Fully Enclosed Riser For Calsense SSE Enclosures (Calsense SSE-PED).....	921.67	
<b>32 84 23 00-0299</b>			<b>Central Computer For Irrigation Control Systems (32 84 23 00-0227)</b>		
32 84 23 00-0300	EA		Central Computer For Irrigation Control Systems (Calsense COMP-2)..... Note: Includes a minimum of 133 MHz Pentium, 32 Meg Ram, 1.2 GB hard drive, 14.4 modem and a printer. Excludes Command Center Water Management software.	6,444.03	
32 84 23 00-0301	EA		Command Center Water Management Software For Central Computer (Calsense COMM-1).....	11,418.51	
32 84 23 00-0302	EA		Up To 5 Simultaneous Users Capacity, Calsense Advantage Client/Server Database Add-On (Calsense CS-5)..... Note: Package price for up to 5 users. Includes remote communication through internet connection.	2,187.50	
32 84 23 00-0303	EA		>5 To 10 Simultaneous Users Capacity, Calsense Advantage Client/Server Database Add-On (Calsense CS-10)..... Note: Package price for 6 to 10 users. Includes remote communication through internet connection.	4,316.99	
32 84 23 00-0304	EA		Data Logger With Phone Modem For Irrigation Control Systems (Calsense DL-2).....	6,954.17	
32 84 23 00-0305	EA		GPRS Radio For Use At Central Computer (Calsense DTR-G).....	4,160.08	
<b>32 84 23 00-0306</b>			<b>Data Access Service (32 84 23 00-0227)</b>		
32 84 23 00-0307	EA		1 Month, Data Access Plan For Up To 2 Controllers (Calsense COMM-1MN)..... Note: For communication between GPRS unit and up to 2 controllers.	35.22	
32 84 23 00-0308	EA		1 Year, Data Access Plan For Up To 2 Controllers (Calsense COMM-1YR)..... Note: For communication between GPRS unit and up to 2 controllers.	385.19	
32 84 23 00-0309	EA		5 Year, Data Access Plan For Up To 2 Controllers (Calsense COMM-5YR)..... Note: For communication between GPRS unit and up to 2 controllers.	1,650.82	
32 84 23 00-0310	EA		1 Month, Data Access Plan For Up To 2 Controllers (Calsense COMM-1MN-M)..... Note: For communication between GPRS unit and multiple controllers.	143.07	
32 84 23 00-0311	EA		1 Year, Data Access Plan For Up To 2 Controllers (Calsense COMM-1YR-M)..... Note: For communication between GPRS unit and multiple controllers.	1,540.77	
32 84 23 00-0312	EA		5 Year, Data Access Plan For Up To 2 Controllers (Calsense COMM-5YR-M)..... Note: For communication between GPRS unit and multiple controllers.	6,603.30	
<b>32 84 23 00-0313</b>			<b>Communication Options For Irrigation Controllers (32 84 23 00-0227)</b>		
32 84 23 00-0314	EA		FCC License Fee (Calsense).....	228.52	
32 84 23 00-0315	EA		P.C.I.A. And/or A.P.C.O. Fee (Calsense)..... Note: Per frequency or frequency pair.	448.63	
32 84 23 00-0316	EA		Hardware Communication Option For Irrigation Controllers (Calsense M)..... Note: Allows multiple controllers to be chained together via a communications cable and share one phone line.	1,276.64	
32 84 23 00-0317	EA		Phone Line Communication Option For Irrigation Controllers (Calsense R).....	1,342.67	
32 84 23 00-0318	EA		Ethernet Communication Option For Irrigation Controllers (Calsense EN).....	1,342.67	
32 84 23 00-0319	EA		WiFi Communication Option For Irrigation Controllers (Calsense WEN).....	2,751.38	
32 84 23 00-0320	EA		Local Radio Communication Option For Irrigation Controllers (Calsense LR).....	3,499.75	
32 84 23 00-0321	EA		Spread Spectrum Radio Communication Option For Irrigation Controllers (Calsense SR).....	3,499.75	
32 84 23 00-0322	EA		GPRS Radio Modem Communication Option For Irrigation Controllers (Calsense GR).....	3,499.75	
32 84 23 00-0323	EA		Fiber Optic Modem Communication Option For Irrigation Controllers (Calsense FOM).....	11,225.61	

**32 Exterior Improvements****32 80 Irrigation****32 84 Planting Irrigation**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0324 EA Communication Hub For Irrigation Controllers (Calsense HUB)..... Note: Accepts up to two communication options. Excludes communication options.	4,317.07	
<b>32 84 23 00-0325 Retrofit Options For Irrigation Controllers (32 84 23 00-0227)</b>		
<b>32 84 23 00-0326 Weather Retrofits For Irrigation Controllers (32 84 23 00-0325)</b>		
32 84 23 00-0327 EA Add One Flow Sensor Interface To An Existing Calsense Controller (Calsense F-RETRO) .....	1,700.66	
32 84 23 00-0328 EA Add One ET Gage Interface To An Existing Calsense Controller (Calsense G-RETRO) .....	1,700.66	
32 84 23 00-0329 EA Add One Tipping Rain Bucket Interface To An Existing Calsense Controller (Calsense RB-RETRO) .....	1,700.66	
32 84 23 00-0330 EA Add One Wind Gage Interface To An Existing Calsense Controller (Calsense WG-RETRO) .....	1,700.66	
<b>32 84 23 00-0331 Phone Communication Retrofits For Irrigation Controllers (32 84 23 00-0325)</b>		
32 84 23 00-0332 EA Add The Ability To Chain To Another Calsense Controller With The Phone Line Communication Option And Share One Phone Line (Calsense M-RETRO) .....	1,788.70	
32 84 23 00-0333 EA Add The Phone Line Communication Option To An Existing Calsense Controller (Calsense R-RETRO).....	2,118.87	
32 84 23 00-0334 EA Add The Phone Line Communication Option And The Ability To Chain To Another Calsense Controller And Share One Phone Line (Calsense MLR-RETRO) .....	3,406.51	
<b>32 84 23 00-0335 Local Radio Communication Retrofits For Irrigation Controllers (32 84 23 00-0325)</b>		
32 84 23 00-0336 EA Add The Ability To Chain To Another Calsense Controller With The Local Radio Communication Option And Share One Local Radio (Calsense ML-RETRO) .....	2,008.81	
32 84 23 00-0337 EA Add The Local Radio Communication Option To An Existing Calsense Controller (Calsense LR-RETRO).....	4,253.93	
32 84 23 00-0338 EA Add The Local Radio Communication Option And The Ability To Chain To Another Calsense Controller And Share One Local Radio (Calsense MLR-RETRO) .....	5,530.57	
<b>32 84 23 00-0339 Spread Spectrum Radio Communication Retrofits For Irrigation Controllers (32 84 23 00-0325)</b>		
32 84 23 00-0340 EA Add The Ability To Chain To Another Calsense Controller With The Spread Spectrum Radio Communication Option And Share One Spread Spectrum Radio (Calsense MS-Retro).....	2,008.81	
32 84 23 00-0341 EA Add The Spread Spectrum Radio Communication Option To An Existing Calsense Controller (Calsense SR- RETRO).....	4,253.93	
32 84 23 00-0342 EA Add The Spread Spectrum Radio Communication Option And The Ability To Chain To Another Calsense Controller And Share One Spread Spectrum Radio (Calsense MSR-RETRO) .....	5,530.57	
<b>32 84 23 00-0343 Ethernet Communication Retrofits For Irrigation Controllers (32 84 23 00-0325)</b>		
32 84 23 00-0344 EA Add The Ability To Chain To Another Calsense Controller With The Ethernet Communication Option And Share One Ethernet Device (Calsense ME-Retro).....	2,008.81	
32 84 23 00-0345 EA Add The Ethernet Communication Option To An Existing Calsense Controller (Calsense EN-RETRO).....	2,118.87	
32 84 23 00-0346 EA Add The Ethernet Communication Option And The Ability To Chain To Another Calsense Controller And Share One Ethernet Device (Calsense MEN-RETRO) .....	3,406.51	
<b>32 84 23 00-0347 GPRS Radio Modem Communication Retrofits For Irrigation Controllers (32 84 23 00-0325)</b>		
32 84 23 00-0348 EA Add The Ability To Chain To Another Calsense Controller With The GPRS Communication Option And Share One GPRS Modem (Calsense MG-RETRO).....	2,008.81	
32 84 23 00-0349 EA Add The GPRS Communication Option To An Existing Calsense Controller (Calsense GR-RETRO) .....	4,253.93	
32 84 23 00-0350 EA Add The GPRS Communication Option And The Ability To Chain To Another Calsense Controller And Share One GPRS Modem (Calsense MGR-RETRO) .....	5,530.57	
<b>32 84 23 00-0351 Radio Remote Units For Irrigation Controllers (32 84 23 00-0227)</b>		
32 84 23 00-0352 EA Enhanced Radio Remote Hand-Held Transmitter With Carry Case (Calsense RRe-TRAN) .....	2,019.82	
32 84 23 00-0353 EA Calsense Integrated Radio Remote Receiver Board (Calsense RR/RRe)..... Note: Includes polyvinyl chloride (PVC) stick antenna. Excludes antenna cable.	435.82	
32 84 23 00-0354 EA Wall Mount Charger For Hand-Held Transmitter (Calsense RRTRAN-CHG) .....	187.09	
32 84 23 00-0355 EA Removal And Replacement Of Battery For Hand-Held Transmitter (Calsense RRTRAN-BAT) .....	328.86	
32 84 23 00-0356 EA Polyvinyl Chloride (PVC) Stick Antenna For Radio Remote Receiver Board (Calsense RR-ANT) .....	207.80	10.36
Note: Excludes antenna cable.		
32 84 23 00-0357 EA Whip Antenna For Radio Remote Receiver Board (Calsense RRe-WHIP).....	405.90	10.36
Note: Excludes antenna cable.		
32 84 23 00-0358 EA Dome Antenna For Radio Remote Receiver Board (Calsense RR-Dome/RRe-Dome).....	438.92	10.36
Note: Excludes antenna cable.		
<b>32 84 23 00-0359 Satellite Irrigation Controllers (Rain Bird® ESP-SAT) (32 84 23 00-0120)</b>		
Note: Satellite controllers compatible with Maxi-Con Central Control. Includes link communication with SEMET at the controller and stainless steel cabinet. Excludes concrete pad.		
32 84 23 00-0360 EA 12 Station, Satellite Irrigation Controller With Stainless Steel Cabinet (Rain Bird® RBESP12SATLS) .....	4,708.34	186.41
32 84 23 00-0361 EA 24 Station, Satellite Irrigation Controller With Stainless Steel Cabinet (Rain Bird® RBESP24SATLS) .....	4,965.30	196.77
32 84 23 00-0362 EA 40 Station, Satellite Irrigation Controller With Stainless Steel Cabinet (Rain Bird® RBESP40SATLS) .....	6,918.20	207.13
<b>32 84 23 00-0363 LEIT Controllers (32 84 23 00-0120)</b>		
<b>32 84 23 00-0364 LEIT X Series Irrigation Controller (32 84 23 00-0363)</b>		
32 84 23 00-0365 EA 10 Station, Four Program Ambient Light Irrigation Controller (LEIT X Series).....	4,439.41	33.14



<b>Exterior Improvements</b>		<b>32</b>
Irrigation		32 80
Planting Irrigation		32 84

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0366 EA 12 Station, Four Program Ambient Light Irrigation Controller (LEIT X Series).....	4,872.57	33.14
32 84 23 00-0367 EA 16 Station, Four Program Ambient Light Irrigation Controller (LEIT X Series).....	5,572.03	33.14
32 84 23 00-0368 EA 20 Station, Four Program Ambient Light Irrigation Controller (LEIT X Series).....	6,271.51	33.14
32 84 23 00-0369 EA 24 Station, Four Program Ambient Light Irrigation Controller (LEIT X Series).....	6,762.67	33.14
32 84 23 00-0370 EA 28 Station, Four Program Ambient Light Irrigation Controller (LEIT X Series).....	7,253.83	33.14
<b>32 84 23 00-0371 LEIT X Series Irrigation Controller Assembly</b> <small>(32 84 23 00-0363)</small>		
Note: Includes excavation and concrete for footing, 2" diameter galvanized steel pole (minimum 18" bury), 2" sweeps, controller, and number 5 concrete box with non-traffic rated lid per detail.		
32 84 23 00-0372 EA 10 Station, Four Program Ambient Light Irrigation Controller (LEIT X Series) Assembly Mounted On Pole.....	4,989.71	173.11
32 84 23 00-0373 EA 12 Station, Four Program Ambient Light Irrigation Controller (LEIT X Series) Assembly Mounted On Pole.....	5,422.88	173.11
32 84 23 00-0374 EA 16 Station, Four Program Ambient Light Irrigation Controller (LEIT X Series) Assembly Mounted On Pole.....	6,122.35	173.11
32 84 23 00-0375 EA 20 Station, Four Program Ambient Light Irrigation Controller (LEIT X Series) Assembly Mounted On Pole.....	6,821.81	173.11
32 84 23 00-0376 EA 24 Station, Four Program Ambient Light Irrigation Controller (LEIT X Series) Assembly Mounted On Pole.....	7,312.98	173.11
32 84 23 00-0377 EA 28 Station, Four Program Ambient Light Irrigation Controller (LEIT X Series) Assembly Mounted On Pole.....	7,804.14	173.11
<b>32 84 23 00-0378 Enclosure For LEIT Controller Assembly</b> <small>(32 84 23 00-0363)</small>		
Note: Includes mounting bolts to concrete foundation and installation of enclosure per detail.		
32 84 23 00-0379 EA 12" x 12" x 54" Milled Steel, #9 Expanded Metal, Painted Per Detail, Enclosure With Access Hatch .....	3,392.59	241.59
Note: For LEIT Controller		
<b>32 84 23 00-0380 Hunter Controllers</b> <small>(32 84 23 00-0120)</small>		
<b>32 84 23 00-0381 Hunter XC Hybrid Controller</b> <small>(32 84 23 00-0380)</small>		
Note: Operates DC latching solenoids with battery power or a plug in 24 VAC transformer. Includes 6 AA batteries, outdoor stainless steel enclosure and installation of controller in Irrigation Controller Enclosure.		
32 84 23 00-0382 EA 6 Station Hybrid Irrigation Controller With Stainless Steel Enclosure (Hunter XCH-600-SS) .....	717.60	82.85
32 84 23 00-0383 EA 12 Station Hybrid Irrigation Controller With Stainless Steel Enclosure (Hunter XCH-1200-SS) .....	913.62	103.56
<b>32 84 23 00-0384 DC Latching Solenoid</b> <small>(32 84 23 00-0120)</small>		
32 84 23 00-0385 EA DC Latching Solenoid (Micro Power Solenoid) For Non-LEIT Controllers .....	38.65	
Note: As per manufacture of valve.		
32 84 23 00-0386 EA DC Solenoid For LEIT Controllers (DIG S-305DC).....	62.11	
<b>32 84 23 00-0387 Irrigation Controller Enclosure Cabinet</b> <small>(32 84 23 00-0120)</small>		
Note: Includes excavation, installation of concrete foundation, mounting bolts, sweeps, number 5 concrete pull box with non-traffic rated lid and installation of enclosure per detail.		
32 84 23 00-0388 EA 35" (H) x 18" (W) x 12" (D), 12 Gauge Cold Rolled Steel Irrigation Controller Enclosure Cabinet, Powdercoated (Tan).....	3,165.26	455.30
32 84 23 00-0389 EA 35" (H) x 24" (W) x 12" (D), 12 Gauge Cold Rolled Steel Irrigation Controller Enclosure Cabinet, Powdercoated (Tan).....	3,413.63	496.70
32 84 23 00-0390 EA 35" (H) x 36" (W) x 12" (D), 12 Gauge Cold Rolled Steel Irrigation Controller Enclosure Cabinet, Powdercoated (Tan).....	3,775.62	538.08
32 84 23 00-0391 EA 35" (H) x 18" (W) x 12" (D), 0.125" 5052-H-32 Aluminum Irrigation Controller Enclosure Cabinet .....	3,165.29	455.30
32 84 23 00-0392 EA 35" (H) x 24" (W) x 12" (D), 0.125" 5052-H-32 Aluminum Steel Irrigation Controller Enclosure Cabinet .....	3,413.63	496.70
32 84 23 00-0393 EA 35" (H) x 36" (W) x 12" (D), 0.125" 5052-H-32 Aluminum Steel Irrigation Controller Enclosure Cabinet .....	3,775.62	538.08
32 84 23 00-0394 EA 35" (H) x 18" (W) x 12" (D), Type 304 Stainless Steel Irrigation Controller Enclosure Cabinet.....	3,962.61	455.30
32 84 23 00-0395 EA 35" (H) x 24" (W) x 12" (D), Type 304 Stainless Steel Irrigation Controller Enclosure Cabinet.....	4,310.61	496.70
32 84 23 00-0396 EA 35" (H) x 36" (W) x 12" (D), Type 304 Stainless Steel Irrigation Controller Enclosure Cabinet.....	4,672.61	538.08
<b>32 84 23 00-0397 Irrigation Valves</b> <small>(32 84 23)</small>		
<b>32 84 23 00-0398 Reduced Pressure Zone Valves With QT Shut-Offs</b> <small>(32 84 23 00-0397)</small>		
Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, and captured spring assemblies (Watts 009 QT series).		
32 84 23 00-0399 EA 3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M3 QT series).....	830.30	41.94
32 84 23 00-0400 EA 1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series).....	984.77	51.22
32 84 23 00-0401 EA 1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series).....	1,492.96	59.61
32 84 23 00-0402 EA 1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series).....	1,577.14	68.43
32 84 23 00-0403 EA 2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series).....	1,890.57	88.30
<b>32 84 23 00-0404 Brass Quick-Coupling Irrigation Valves</b> <small>(32 84 23 00-0397)</small>		
32 84 23 00-0405 EA 3/4", 1-Piece Brass Body, Quick-Coupling Irrigation Valve (Rain Bird® 3RC).....	179.70	36.59
For Valve Key, Add		
	56.50	
32 84 23 00-0406 EA 3/4", 2-Piece Brass Body, Quick-Coupling Irrigation Valve (Rain Bird® 33DR) .....	186.23	36.59
For Locking Cover, Add		
	25.00	
For Valve Key, Add		
	56.50	
32 84 23 00-0407 EA 1", 1-Piece Brass Body, Quick-Coupling Irrigation Valve (Rain Bird® 44RC).....	258.11	36.59
For Valve Key, Add		
	144.51	
32 84 23 00-0408 EA 1", 2-Piece Brass Body, Quick-Coupling Irrigation Valve (Rain Bird® 44LRC).....	284.24	36.59
For Valve Key, Add		
	144.51	
32 84 23 00-0409 EA 1", 1-Piece Brass Body, Non-Potable (Purple) Quick-Coupling Irrigation Valve (Rain Bird® 5NP) .....	271.94	36.59
32 84 23 00-0410 EA 1", 2-Piece Brass Body, Non-Potable (Purple) Quick-Coupling Irrigation Valve (Rain Bird® 44NP).....	284.24	36.59

**32 Exterior Improvements****32 80 Irrigation****32 84 Planting Irrigation**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>32 84 23 00-0411</b> <b>Anti-Siphon Pressure Type Vacuum Breaker</b> <small>(32 84 23 00-0397)</small>		
Note: Pressure: 15 to 150 PSI, temperature: 33 to 140 degrees Fahrenheit.		
32 84 23 00-0412 EA 3/4" Anti-Siphon Pressure Type Vacuum Breaker (Watts 800M4QT).....	287.29	30.90
32 84 23 00-0413 EA 1" Anti-Siphon Pressure Type Vacuum Breaker (Watts 800M4QT).....	413.28	35.32
32 84 23 00-0414 EA 1-1/4" Anti-Siphon Pressure Type Vacuum Breaker (Watts 800M4QT).....	753.79	40.84
32 84 23 00-0415 EA 1-1/2" Anti-Siphon Pressure Type Vacuum Breaker (Watts 800M4QT).....	918.47	45.25
32 84 23 00-0416 EA 2" Anti-Siphon Pressure Type Vacuum Breaker .....	924.85	55.19
<b>32 84 23 00-0417</b> <b>Aluminum Cam And Groove Adapter</b> <small>(32 84 23 00-0397)</small>		
32 84 23 00-0418 EA 1-1/2" Type A Aluminum Cam And Groove Male Adapter x 1-1/2" NPT Female Pipe Thread.....	40.23	
32 84 23 00-0419 EA 2" Type A Aluminum Cam And Groove Male Adapter x 2" NPT Female Pipe Thread.....	42.51	
32 84 23 00-0420 EA 1-1/2" Type F Aluminum Cam And Groove Male Adapter x 1-1/2" NPT Male Pipe Thread .....	41.49	
32 84 23 00-0421 EA 2" Type F Aluminum Cam And Groove Male Adapter x 2" NPT Male Pipe Thread .....	44.86	
<b>32 84 23 00-0422</b> <b>Irrigation Piping</b> <small>(32 84 23)</small>		
<b>32 84 23 00-0423</b> <b>Irrigation Piping With Fittings, On Grade With Pipe Stabilizers</b> <small>(32 84 23 00-0422)</small>		
Note: Install stabilizers every 20', at change of direction and at sprinkler heads less than 12" tall.		
<b>32 84 23 00-0424</b> <b>Schedule 40 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, On Grade With Pipe Stabilizers</b> <small>(32 84 23 00-0423)</small>		
32 84 23 00-0425 LF 1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers .....	3.58	1.02
For >1,000, Deduct	-0.18	
32 84 23 00-0426 LF 3/4" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers .....	4.38	1.27
For >1,000, Deduct	-0.22	
32 84 23 00-0427 LF 1" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers .....	5.45	1.52
For >1,000, Deduct	-0.27	
32 84 23 00-0428 LF 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers .....	7.37	1.93
For >1,000, Deduct	-0.37	
32 84 23 00-0429 LF 2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers .....	9.38	2.42
For >1,000, Deduct	-0.47	
32 84 23 00-0430 LF 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers .....	12.56	2.82
For >1,000, Deduct	-0.63	
32 84 23 00-0431 LF 3" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers .....	16.98	4.06
For >1,000, Deduct	-0.85	
32 84 23 00-0432 LF 4" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers .....	22.71	5.08
For >1,000, Deduct	-1.14	
32 84 23 00-0433 LF 6" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers .....	34.25	6.35
For >1,000, Deduct	-1.71	
<b>32 84 23 00-0434</b> <b>Class 200, SDR-21 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, On Grade With Pipe Stabilizers</b> <small>(32 84 23 00-0423)</small>		
32 84 23 00-0435 LF 3/4" Class 200 Polyvinyl Chloride (PVC) Socketweld Pipe With Fittings, On Grade With Pipe Stabilizers .....	3.97	1.27
For >1,000, Deduct	-0.20	
32 84 23 00-0436 LF 1" Class 200 Polyvinyl Chloride (PVC) Socketweld Pipe With Fittings, On Grade With Pipe Stabilizers .....	4.77	1.52
For >1,000, Deduct	-0.24	
32 84 23 00-0437 LF 1-1/2" Class 200 Polyvinyl Chloride (PVC) Socketweld Pipe With Fittings, On Grade With Pipe Stabilizers .....	6.89	1.93
For >1,000, Deduct	-0.34	
32 84 23 00-0438 LF 2" Class 200 Polyvinyl Chloride (PVC) Socketweld Pipe With Fittings, On Grade With Pipe Stabilizers .....	8.98	2.42
For >1,000, Deduct	-0.45	
32 84 23 00-0439 LF 2-1/2" Class 200 Polyvinyl Chloride (PVC) Socketweld Pipe With Fittings, On Grade With Pipe Stabilizers .....	11.96	2.82
For >1,000, Deduct	-0.60	
32 84 23 00-0440 LF 3" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers.....	16.75	4.06
For >1,000, Deduct	-0.84	
32 84 23 00-0441 LF 4" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers.....	23.97	5.08
For >1,000, Deduct	-1.20	
32 84 23 00-0442 LF 6" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers.....	42.25	6.35
For >1,000, Deduct	-2.11	
<b>32 84 23 00-0443</b> <b>Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, On Grade With Pipe Stabilizers</b> <small>(32 84 23 00-0423)</small>		
32 84 23 00-0444 LF 3/4" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers.....	4.32	1.27
For >1,000, Deduct	-0.22	
32 84 23 00-0445 LF 1" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers.....	5.23	1.52
For >1,000, Deduct	-0.26	
32 84 23 00-0446 LF 1-1/2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers .....	7.78	1.93
For >1,000, Deduct	-0.39	
32 84 23 00-0447 LF 2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers.....	10.45	2.42
For >1,000, Deduct	-0.52	
32 84 23 00-0448 LF 2-1/2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers .....	14.30	2.82
For >1,000, Deduct	-0.72	
32 84 23 00-0449 LF 3" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers.....	16.98	4.06
For >1,000, Deduct	-0.85	
32 84 23 00-0450 LF 4" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers.....	22.71	5.08
For >1,000, Deduct	-1.14	
32 84 23 00-0451 LF 6" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers.....	35.03	6.35
For >1,000, Deduct	-1.75	



<b>Exterior Improvements</b>		<b>32</b>
Irrigation		32 80
Planting Irrigation		32 84

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>32 84 23 00-0452</b> Irrigation Piping With Fittings, Trenching, Cover, Backfilled And Compacted <small>(32 84 23 00-0452)</small> Note: Install thrust blocks per Caltrans details for 3" piping and larger, upstream of remote control valve.		
<b>32 84 23 00-0453</b> Schedule 40 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, Trenching, 12" Of Cover, Backfilled And Compacted <small>(32 84 23 00-0452)</small>		
32 84 23 00-0454 LF 3/4" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted ..... 6.46		1.27
For >1,000, Deduct	-0.32	
32 84 23 00-0455 LF 1" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted ..... 7.51		1.52
For >1,000, Deduct	-0.38	
32 84 23 00-0456 LF 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted ..... 9.44		1.93
For >1,000, Deduct	-0.47	
32 84 23 00-0457 LF 2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted ..... 11.44		2.42
For >1,000, Deduct	-0.57	
32 84 23 00-0458 LF 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted ..... 14.63		2.82
For >1,000, Deduct	-0.73	
32 84 23 00-0459 LF 3" Schedule 40 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 12" Of Cover, Backfilled And Compacted ..... 19.05		4.06
For >1,000, Deduct	-0.95	
32 84 23 00-0460 LF 4" Schedule 40 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 12" Of Cover, Backfilled And Compacted ..... 24.77		5.08
For >1,000, Deduct	-1.24	
32 84 23 00-0461 LF 6" Schedule 40 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 12" Of Cover, Backfilled And Compacted ..... 36.31		6.35
For >1,000, Deduct	-1.82	
<b>32 84 23 00-0462</b> Schedule 40 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, Trenching, 18" Of Cover, Backfilled And Compacted <small>(32 84 23 00-0462)</small>		
32 84 23 00-0463 LF 3/4" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted ..... 6.71		1.27
For >1,000, Deduct	-0.34	
32 84 23 00-0464 LF 1" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted ..... 7.76		1.52
For >1,000, Deduct	-0.39	
32 84 23 00-0465 LF 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted ..... 9.69		1.93
For >1,000, Deduct	-0.48	
32 84 23 00-0466 LF 2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted ..... 11.70		2.42
For >1,000, Deduct	-0.59	
32 84 23 00-0467 LF 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted ..... 14.88		2.82
For >1,000, Deduct	-0.74	
32 84 23 00-0468 LF 3" Schedule 40 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 18" Of Cover, Backfilled And Compacted ..... 19.30		4.06
For >1,000, Deduct	-0.97	
32 84 23 00-0469 LF 4" Schedule 40 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 18" Of Cover, Backfilled And Compacted ..... 25.02		5.08
For >1,000, Deduct	-1.25	
32 84 23 00-0470 LF 6" Schedule 40 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 18" Of Cover, Backfilled And Compacted ..... 36.57		6.35
For >1,000, Deduct	-1.83	
<b>32 84 23 00-0471</b> Schedule 40 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, Trenching, 24" Of Cover, Backfilled And Compacted <small>(32 84 23 00-0471)</small>		
32 84 23 00-0472 LF 3/4" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted ..... 6.96		1.27
For >1,000, Deduct	-0.35	
32 84 23 00-0473 LF 1" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted ..... 8.02		1.52
For >1,000, Deduct	-0.40	
32 84 23 00-0474 LF 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted ..... 9.94		1.93
For >1,000, Deduct	-0.50	
32 84 23 00-0475 LF 2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted ..... 11.95		2.42
For >1,000, Deduct	-0.60	
32 84 23 00-0476 LF 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted ..... 15.14		2.82
For >1,000, Deduct	-0.76	
32 84 23 00-0477 LF 3" Schedule 40 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 24" Of Cover, Backfilled And Compacted ..... 19.56		4.06
For >1,000, Deduct	-0.98	
32 84 23 00-0478 LF 4" Schedule 40 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 24" Of Cover, Backfilled And Compacted ..... 25.27		5.08
For >1,000, Deduct	-1.26	
32 84 23 00-0479 LF 6" Schedule 40 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 24" Of Cover, Backfilled And Compacted ..... 36.81		6.35
For >1,000, Deduct	-1.84	
<b>32 84 23 00-0480</b> Class 200, SDR-21 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, Trenching, 12" Of Cover, Backfilled And Compacted <small>(32 84 23 00-0480)</small>		
32 84 23 00-0481 LF 3/4" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted ..... 6.24		1.27
For >1,000, Deduct	-0.31	
32 84 23 00-0482 LF 1" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted ..... 7.16		1.52
For >1,000, Deduct	-0.36	
32 84 23 00-0483 LF 1-1/2" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted ..... 9.47		1.93
For >1,000, Deduct	-0.47	
32 84 23 00-0484 LF 2" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted ..... 12.14		2.42
For >1,000, Deduct	-0.61	
32 84 23 00-0485 LF 2-1/2" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted ..... 15.79		2.82
For >1,000, Deduct	-0.79	
32 84 23 00-0486 LF 3" Class 200, SDR-21 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 12" Of Cover, Backfilled And Compacted ..... 18.82		4.06
For >1,000, Deduct	-0.94	

**32 Exterior Improvements****32 80 Irrigation****32 84 Planting Irrigation**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0487	LF	4" Class 200, SDR-21 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 12" Of Cover, Backfilled And Compacted .....	26.03	5.08
		<i>For &gt;1,000, Deduct</i> .....	-1.30	
32 84 23 00-0488	LF	6" Class 200, SDR-21 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 12" Of Cover, Backfilled And Compacted .....	44.31	6.35
		<i>For &gt;1,000, Deduct</i> .....	-2.22	
<b>32 84 23 00-0489</b>		<b>Class 200, SDR-21 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, Trenching, 18" Of Cover, Backfilled And Compacted</b> <small>(32 84 23 00-0452)</small>		
32 84 23 00-0490	LF	3/4" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted .....	6.49	1.27
		<i>For &gt;1,000, Deduct</i> .....	-0.32	
32 84 23 00-0491	LF	1" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted .....	7.41	1.52
		<i>For &gt;1,000, Deduct</i> .....	-0.37	
32 84 23 00-0492	LF	1-1/2" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted .....	9.72	1.93
		<i>For &gt;1,000, Deduct</i> .....	-0.49	
32 84 23 00-0493	LF	2" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted .....	12.40	2.42
		<i>For &gt;1,000, Deduct</i> .....	-0.62	
32 84 23 00-0494	LF	2-1/2" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted .....	16.04	2.82
		<i>For &gt;1,000, Deduct</i> .....	-0.80	
32 84 23 00-0495	LF	3" Class 200, SDR-21 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 18" Of Cover, Backfilled And Compacted .....	19.07	4.06
		<i>For &gt;1,000, Deduct</i> .....	-0.95	
32 84 23 00-0496	LF	4" Class 200, SDR-21 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 18" Of Cover, Backfilled And Compacted .....	26.28	5.08
		<i>For &gt;1,000, Deduct</i> .....	-1.31	
32 84 23 00-0497	LF	6" Class 200, SDR-21 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 18" Of Cover, Backfilled And Compacted .....	44.57	6.35
		<i>For &gt;1,000, Deduct</i> .....	-2.23	
<b>32 84 23 00-0498</b>		<b>Class 200, SDR-21 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, Trenching, 24" Of Cover, Backfilled And Compacted</b> <small>(32 84 23 00-0452)</small>		
32 84 23 00-0499	LF	3/4" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted .....	6.74	1.27
		<i>For &gt;1,000, Deduct</i> .....	-0.34	
32 84 23 00-0500	LF	1" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted .....	7.67	1.52
		<i>For &gt;1,000, Deduct</i> .....	-0.38	
32 84 23 00-0501	LF	1-1/2" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted .....	9.97	1.93
		<i>For &gt;1,000, Deduct</i> .....	-0.50	
32 84 23 00-0502	LF	2" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted .....	12.65	2.42
		<i>For &gt;1,000, Deduct</i> .....	-0.63	
32 84 23 00-0503	LF	2-1/2" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted .....	16.30	2.82
		<i>For &gt;1,000, Deduct</i> .....	-0.82	
32 84 23 00-0504	LF	3" Class 200, SDR-21 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 24" Of Cover, Backfilled And Compacted .....	19.33	4.06
		<i>For &gt;1,000, Deduct</i> .....	-0.97	
32 84 23 00-0505	LF	4" Class 200, SDR-21 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 24" Of Cover, Backfilled And Compacted .....	26.53	5.08
		<i>For &gt;1,000, Deduct</i> .....	-1.33	
32 84 23 00-0506	LF	6" Class 200, SDR-21 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 24" Of Cover, Backfilled And Compacted .....	44.81	6.35
		<i>For &gt;1,000, Deduct</i> .....	-2.24	
<b>32 84 23 00-0507</b>		<b>Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, Trenching, 12" Of Cover, Backfilled And Compacted</b> <small>(32 84 23 00-0452)</small>		
32 84 23 00-0508	LF	3/4" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted .....	6.39	1.27
		<i>For &gt;1,000, Deduct</i> .....	-0.32	
32 84 23 00-0509	LF	1" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted .....	7.29	1.52
		<i>For &gt;1,000, Deduct</i> .....	-0.36	
32 84 23 00-0510	LF	1-1/2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted .....	9.85	1.93
		<i>For &gt;1,000, Deduct</i> .....	-0.49	
32 84 23 00-0511	LF	2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted .....	12.51	2.42
		<i>For &gt;1,000, Deduct</i> .....	-0.63	
32 84 23 00-0512	LF	2-1/2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted .....	16.38	2.82
		<i>For &gt;1,000, Deduct</i> .....	-0.82	
32 84 23 00-0513	LF	3" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 12" Of Cover, Backfilled And Compacted .....	19.05	4.06
		<i>For &gt;1,000, Deduct</i> .....	-0.95	
32 84 23 00-0514	LF	4" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 12" Of Cover, Backfilled And Compacted .....	24.77	5.08
		<i>For &gt;1,000, Deduct</i> .....	-1.24	
32 84 23 00-0515	LF	6" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 12" Of Cover, Backfilled And Compacted .....	37.09	6.35
		<i>For &gt;1,000, Deduct</i> .....	-1.85	
<b>32 84 23 00-0516</b>		<b>Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, Trenching, 18" Of Cover, Backfilled And Compacted</b> <small>(32 84 23 00-0452)</small>		
32 84 23 00-0517	LF	3/4" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted .....	6.64	1.27
		<i>For &gt;1,000, Deduct</i> .....	-0.33	



<b>Exterior Improvements</b>		<b>32</b>
Irrigation		32 80
Planting Irrigation		32 84

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0518 LF 1" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted ..... <i>For &gt;1,000, Deduct</i>	7.54 -0.38	1.52
32 84 23 00-0519 LF 1-1/2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted ..... <i>For &gt;1,000, Deduct</i>	10.10 -0.51	1.93
32 84 23 00-0520 LF 2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted ..... <i>For &gt;1,000, Deduct</i>	12.77 -0.64	2.42
32 84 23 00-0521 LF 2-1/2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted ..... <i>For &gt;1,000, Deduct</i>	16.63 -0.83	2.82
32 84 23 00-0522 LF 3" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 18" Of Cover, Backfilled And Compacted ..... <i>For &gt;1,000, Deduct</i>	19.30 -0.97	4.06
32 84 23 00-0523 LF 4" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 18" Of Cover, Backfilled And Compacted ..... <i>For &gt;1,000, Deduct</i>	25.02 -1.25	5.08
32 84 23 00-0524 LF 6" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 18" Of Cover, Backfilled And Compacted ..... <i>For &gt;1,000, Deduct</i>	37.35 -1.87	6.35
<b>32 84 23 00-0525 Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, Trenching, 24" Of Cover, Backfilled And Compacted (32 84 23 00-0452)</b>		
32 84 23 00-0526 LF 3/4" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted ..... <i>For &gt;1,000, Deduct</i>	6.89 -0.34	1.27
32 84 23 00-0527 LF 1" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted ..... <i>For &gt;1,000, Deduct</i>	7.80 -0.39	1.52
32 84 23 00-0528 LF 1-1/2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted ..... <i>For &gt;1,000, Deduct</i>	10.35 -0.52	1.93
32 84 23 00-0529 LF 2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted ..... <i>For &gt;1,000, Deduct</i>	13.02 -0.65	2.42
32 84 23 00-0530 LF 2-1/2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted ..... <i>For &gt;1,000, Deduct</i>	16.89 -0.84	2.82
32 84 23 00-0531 LF 3" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 24" Of Cover, Backfilled And Compacted ..... <i>For &gt;1,000, Deduct</i>	19.56 -0.98	4.06
32 84 23 00-0532 LF 4" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 24" Of Cover, Backfilled And Compacted ..... <i>For &gt;1,000, Deduct</i>	25.27 -1.26	5.08
32 84 23 00-0533 LF 6" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 24" Of Cover, Backfilled And Compacted ..... <i>For &gt;1,000, Deduct</i>	37.59 -1.88	6.35
<b>32 84 23 00-0534 Irrigation Riser Piping With Fittings (32 84 23 00-0422)</b>		
32 84 23 00-0535 EA 1/2" Polyvinyl Chloride (PVC) Riser Pipe With Fittings, 6" Exposed, Type IV..... Note: Includes #4 steel reinforcing bar, stainless steel hose clamp	19.97	3.05
32 84 23 00-0536 EA 3/4" Polyvinyl Chloride (PVC) Riser Pipe With Fittings, 6" Exposed, Type IV..... Note: Includes #4 steel reinforcing bar, stainless steel hose clamp	21.61	3.81
32 84 23 00-0537 EA 1/2" Polyvinyl Chloride (PVC) Riser Pipe With Fittings, 12" Exposed, Type IV..... Note: Includes #4 steel reinforcing bar, stainless steel hose clamp	21.39	3.56
32 84 23 00-0538 EA 3/4" Polyvinyl Chloride (PVC) Riser Pipe With Fittings, 12" Exposed, Type IV..... Note: Includes #4 steel reinforcing bar, stainless steel hose clamp	23.39	4.44
32 84 23 00-0539 EA 1/2" Polyvinyl Chloride (PVC) Riser Pipe With Fittings, 24" Exposed, Type I..... Note: Includes 2" diameter lodge poll support stake, two stainless steel sprinkler ties	43.27	5.34
32 84 23 00-0540 EA 3/4" Polyvinyl Chloride (PVC) Riser Pipe With Fittings, 24" Exposed, Type I..... Note: Includes 2" diameter lodge poll support stake, two stainless steel sprinkler ties	46.12	6.67
32 84 23 00-0541 EA 1/2" Polyvinyl Chloride (PVC) Riser Pipe With Fittings, 36" Exposed, Type I..... Note: Includes 2" diameter lodge poll support stake, two stainless steel sprinkler ties	50.92	6.86
32 84 23 00-0542 EA 3/4" Polyvinyl Chloride (PVC) Riser Pipe With Fittings, 36" Exposed, Type I..... Note: Includes 2" diameter lodge poll support stake, two stainless steel sprinkler ties	54.58	8.58
32 84 23 00-0543 EA 1/2" Polyvinyl Chloride (PVC) Riser Pipe With Fittings, 48" Exposed, Type I..... Note: Includes 2" diameter lodge poll support stake, two stainless steel sprinkler ties	58.56	8.38
32 84 23 00-0544 EA 3/4" Polyvinyl Chloride (PVC) Riser Pipe With Fittings, 48" Exposed, Type I..... Note: Includes 2" diameter lodge poll support stake, two stainless steel sprinkler ties	63.06	10.49
<b>32 84 23 00-0545 Irrigation Crossover Piping With Fittings (32 84 23 00-0422)</b> Note: Install per Caltrans details. Includes thrust blocks, HDPE sleeve pipe and fittings, 3" pvc irrigation piping and 1" electrical pvc conduit. Excludes #5 concrete irrigation pull boxes on ends, electrical control wiring. See CSI section 32 84 23 00-0105 for #5 concrete pull box, 32 84 23 00-0589 for irrigation wiring.		
<b>32 84 23 00-0546 Irrigation Crossover, Corrugated High Density Polyethylene Pipe (CHDPE), 24" Open Trench (32 84 23 00-0545)</b>		
32 84 23 00-0547 LF 6" Irrigation Crossover, Corrugated High Density Polyethylene Pipe (CHDPE), 24" Open Trench Installation ..... <i>For &gt;1,000, Deduct</i>	51.48 -2.57	
32 84 23 00-0548 LF 8" Irrigation Crossover, Corrugated High Density Polyethylene Pipe (CHDPE), 24" Open Trench Installation ..... <i>For &gt;1,000, Deduct</i>	74.79 -3.74	
32 84 23 00-0549 LF 10" Irrigation Crossover, Corrugated High Density Polyethylene Pipe (CHDPE), 24" Open Trench Installation..... <i>For &gt;1,000, Deduct</i>	105.46 -5.27	
32 84 23 00-0550 LF 12" Irrigation Crossover, Corrugated High Density Polyethylene Pipe (CHDPE), 24" Open Trench Installation..... <i>For &gt;1,000, Deduct</i>	141.03 -7.05	

**32 Exterior Improvements****32 80 Irrigation****32 84 Planting Irrigation**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

32 84 23 00-0551		<b>Irrigation Crossover, Corrugated High Density Polyethylene Pipe (CHDPE), 36" Open Trench</b> (32 84 23 00-0545)		
32 84 23 00-0552	LF	6" Irrigation Crossover, Corrugated High Density Polyethylene Pipe (CHDPE), 36" Open Trench Installation.....	52.24	
		<i>For &gt;1,000, Deduct</i>	-2.61	
32 84 23 00-0553	LF	8" Irrigation Crossover, Corrugated High Density Polyethylene Pipe (CHDPE), 36" Open Trench Installation.....	75.64	
		<i>For &gt;1,000, Deduct</i>	-3.78	
32 84 23 00-0554	LF	10" Irrigation Crossover, Corrugated High Density Polyethylene Pipe (CHDPE), 36" Open Trench Installation.....	106.38	
		<i>For &gt;1,000, Deduct</i>	-5.32	
32 84 23 00-0555	LF	12" Irrigation Crossover, Corrugated High Density Polyethylene Pipe (CHDPE), 36" Open Trench Installation.....	142.04	
		<i>For &gt;1,000, Deduct</i>	-7.10	
32 84 23 00-0556		<b>Irrigation Crossover, Corrugated High Density Polyethylene Pipe (CHDPE), 48" Open Trench</b> (32 84 23 00-0545)		
32 84 23 00-0557	LF	6" Irrigation Crossover, Corrugated High Density Polyethylene Pipe (CHDPE), 48" Open Trench Installation.....	52.99	
		<i>For &gt;1,000, Deduct</i>	-2.65	
32 84 23 00-0558	LF	8" Irrigation Crossover, Corrugated High Density Polyethylene Pipe (CHDPE), 36" Open Trench Installation.....	76.48	
		<i>For &gt;1,000, Deduct</i>	-3.82	
32 84 23 00-0559	LF	10" Irrigation Crossover, Corrugated High Density Polyethylene Pipe (CHDPE), 36" Open Trench Installation.....	107.31	
		<i>For &gt;1,000, Deduct</i>	-5.37	
32 84 23 00-0560	LF	12" Irrigation Crossover, Corrugated High Density Polyethylene Pipe (CHDPE), 36" Open Trench Installation.....	143.05	
		<i>For &gt;1,000, Deduct</i>	-7.15	
32 84 23 00-0561		<b>Irrigation Crossover, Corrugated High Density Polyethylene Pipe (CHDPE), Directional Bore</b> (32 84 23 00-0545)		
32 84 23 00-0562	LF	6" Irrigation Crossover, Corrugated High Density Polyethylene Pipe (CHDPE), Directional Bore Installation .....	106.57	
		<i>For &gt;1,000, Deduct</i>	-5.33	
32 84 23 00-0563	LF	8" Irrigation Crossover, Corrugated High Density Polyethylene Pipe (CHDPE), Directional Bore Installation .....	141.02	
		<i>For &gt;1,000, Deduct</i>	-7.05	
32 84 23 00-0564	LF	10" Irrigation Crossover, Corrugated High Density Polyethylene Pipe (CHDPE), Directional Bore Installation .....	177.18	
		<i>For &gt;1,000, Deduct</i>	-8.86	
32 84 23 00-0565	LF	12" Irrigation Crossover, Corrugated High Density Polyethylene Pipe (CHDPE), Directional Bore Installation .....	218.24	
		<i>For &gt;1,000, Deduct</i>	-10.91	
32 84 23 00-0566		<b>Below Ground Cam Adapter Assembly</b> (32 84 23 00-0422)		
		Note: Includes minimum 6" depth gravel or crushed rock, woven wire cloth, jumbo valve box with 15" x 21.5" cover, 1-1/2" brass ball valve, 1-1/2" aluminum male cam adapter x female NPT, 1-1/2" PVC elbow, 2" PVC reducing tee, 30" PVC pipe		
32 84 23 00-0567	EA	Below Ground Cam Adapter Assembly.....	696.56	
		Note: Includes 6" depth gravel or crushed rock, woven wire cloth, jumbo valve box with 15" x 21.5" cover, 1-1/2" brass ball valve, 1-1/2" aluminum male cam adapter x female NPT, 1-1/2" PVC elbow, 2" PVC reducing tee, 30" PVC pipe.		
32 84 23 00-0568		<b>Above Ground Cam Adapter Assembly</b> (32 84 23 00-0422)		
		Note: Includes concrete thrust block, 1-1/2" plastic ball valve, 1-1/2" aluminum male cam adapter x female NPT, 1-1/2" PVC elbow, 2" PVC reducing tee, 30" PVC pipe		
32 84 23 00-0569	EA	Above Ground Cam Adapter Assembly.....	428.11	
		Note: Includes concrete thrust block, 1-1/2" plastic ball valve, 1-1/2" aluminum male cam adapter x female NPT, 1-1/2" PVC elbow, 2" PVC reducing tee, 30" PVC pipe.		
32 84 23 00-0570		<b>Thrust Block</b> (32 84 23 00-0422)		
32 84 23 00-0571	EA	Thrust Block For 1-1/2" Pipe Size And Smaller.....	37.47	
32 84 23 00-0572	EA	Thrust Block For 2" Pipe .....	64.81	
32 84 23 00-0573	EA	Thrust Block For 3" And 4" Pipe.....	92.16	
32 84 23 00-0574	EA	Thrust Block For 6" Pipe .....	147.39	
32 84 23 00-0575	EA	Thrust Block For 8" Pipe .....	210.74	
32 84 23 00-0576		<b>Irrigation Swing Joints</b> (32 84 23)		
32 84 23 00-0577	EA	3/4" Male NPT, 12" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint (Rain Bird® TSJ12075) .....	68.77	20.23
32 84 23 00-0578	EA	1" Male NPT, 12" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint (Rain Bird® TSJ12) .....	78.46	22.58
32 84 23 00-0579	EA	1" Male NPT, 12" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint With 70 PSI Pressure Regulator (Rain Bird® TSJ100PRS).....	109.21	22.58
32 84 23 00-0580	EA	1/2" Diameter, 12" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint, CALTRANS Type I.....	43.25	26.37
		Note: Consists of three threaded 90 degree elbows and 12" threaded pipe.		
32 84 23 00-0581	EA	3/4" Diameter, 12" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint, CALTRANS Type I.....	57.81	35.17
		Note: Consists of three threaded 90 degree elbows and 12" threaded pipe.		
32 84 23 00-0582	EA	1" Diameter, 12" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint, CALTRANS Type I.....	73.08	43.13
		Note: Consists of three threaded 90 degree elbows and 12" threaded pipe.		
32 84 23 00-0583	EA	1/2" Diameter, 24" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint, CALTRAN Type II.....	61.19	26.78
		Note: Consists of one threaded 90 degree elbow, one threaded x socket 90 degree elbow, one adapter and 24" threaded pipe.		
32 84 23 00-0584	EA	3/4" Diameter, 24" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint, CALTRAN Type II.....	80.93	35.52
		Note: Consists of one threaded 90 degree elbow, one threaded x socket 90 degree elbow, one adapter and 24" threaded pipe.		





<b>Exterior Improvements</b>		<b>32</b>
Irrigation		32 80
Planting Irrigation		32 84

MINOR CSI UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0585	EA 1" Diameter, 24" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint, CALTRAN Type II Note: Consists of one threaded 90 degree elbow, one threaded x socket 90 degree elbow, one adapter and 24" threaded pipe.	99.82	43.56
32 84 23 00-0586	EA 1/2" Diameter, Polyvinyl Chloride (PVC) Irrigation Swing Joint, CALTRANS Type III Note: Consists of two street 90 degree elbows.	34.45	16.40
32 84 23 00-0587	EA 3/4" Diameter, Polyvinyl Chloride (PVC) Irrigation Swing Joint, CALTRANS Type III Note: Consists of two street 90 degree elbows.	46.06	21.87
32 84 23 00-0588	EA 1" Diameter, Polyvinyl Chloride (PVC) Irrigation Swing Joint, CALTRANS Type III Note: Consists of two street 90 degree elbows.	54.93	27.11
<b>32 84 23 00-0589</b>	<b>Irrigation Control Wire</b> (32 84 23) Note: Excludes excavation and backfill.		
<b>32 84 23 00-0590</b>	<b>18 AWG, Irrigation Control Wire, Buried In Trench</b> (32 84 23 00-0589)		
32 84 23 00-0591	CLF 1-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	50.86	15.25
32 84 23 00-0592	CLF 2-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	67.25	17.79
32 84 23 00-0593	CLF 3-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	77.43	20.33
32 84 23 00-0594	CLF 4-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	88.74	22.88
32 84 23 00-0595	CLF 5-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	101.15	25.42
32 84 23 00-0596	CLF 6-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	121.54	27.95
32 84 23 00-0597	CLF 7-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	141.03	30.49
32 84 23 00-0598	CLF 8-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	153.26	33.03
32 84 23 00-0599	CLF 9-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	168.47	35.57
32 84 23 00-0600	CLF 10-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	186.02	38.12
32 84 23 00-0601	CLF 11-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	192.20	40.66
32 84 23 00-0602	CLF 12-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	199.55	43.20
32 84 23 00-0603	CLF 13-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	210.49	45.74
<b>32 84 23 00-0604</b>	<b>16 AWG, Irrigation Control Wire, Buried In Trench</b> (32 84 23 00-0589)		
32 84 23 00-0605	CLF 1-Conductor, 16 AWG, Irrigation Control Wire, Buried In Trench	53.87	15.25
<b>32 84 23 00-0606</b>	<b>14 AWG, Irrigation Control Wire, Buried In Trench</b> (32 84 23 00-0589)		
32 84 23 00-0607	CLF 1-Conductor, 14 AWG, Irrigation Control Wire, Buried In Trench	53.87	15.25
<b>32 84 23 00-0608</b>	<b>12 AWG, Irrigation Control Wire, Buried In Trench</b> (32 84 23 00-0589)		
32 84 23 00-0609	CLF 1-Conductor, 12 AWG, Irrigation Control Wire, Buried In Trench	73.77	15.25
<b>32 84 23 00-0610</b>	<b>10 AWG, Irrigation Control Wire, Buried In Trench</b> (32 84 23 00-0589)		
32 84 23 00-0611	CLF 1-Conductor, 10 AWG, Irrigation Control Wire, Buried In Trench	98.98	15.25
<b>32 84 23 00-0612</b>	<b>Root Watering Systems</b> (32 84 23) Note: Includes swing assembly.		
32 84 23 00-0613	EA 0.25 GPM Bubbler On Riser, 36" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-B-1401) For Root Watering Sand Sock, Add	114.01 5.33	20.33
32 84 23 00-0614	EA 0.25 GPM Bubbler And Check Valve On Riser, 36" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-B-C-1401) For Root Watering Sand Sock, Add	124.18 5.33	20.33
32 84 23 00-0615	EA 0.5 GPM Bubbler On Riser, 36" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-B-1402) For Root Watering Sand Sock, Add	114.01 5.33	20.33
32 84 23 00-0616	EA 0.5 GPM Bubbler And Check Valve On Riser, 36" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-B-C-1402) For Root Watering Sand Sock, Add	124.18 5.33	20.33
32 84 23 00-0617	EA 1 GPM Bubbler And Check Valve On Riser, 36" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-B-C-1404) For Root Watering Sand Sock, Add	124.18 5.33	20.33
32 84 23 00-0618	EA 0.25 GPM Bubbler On Riser, 18" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-M-B-1401) For Root Watering Sand Sock, Add	98.83 4.82	17.79
32 84 23 00-0619	EA 0.25 GPM Bubbler And Check Valve On Riser, 18" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-M-B-C-1401) For Root Watering Sand Sock, Add	108.59 4.82	17.79
32 84 23 00-0620	EA 0.5 GPM Bubbler On Riser, 18" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-M-B-1402) For Root Watering Sand Sock, Add	98.83 4.82	17.79
32 84 23 00-0621	EA 0.5 GPM Bubbler And Check Valve On Riser, 18" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-M-B-C-1402) For Root Watering Sand Sock, Add	108.59 4.82	17.79
32 84 23 00-0622	EA 0.25 GPM Bubbler On Riser, 10" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-S-B-1401) For Root Watering Sand Sock, Add	64.14 4.32	15.25
32 84 23 00-0623	EA 0.25 GPM Bubbler And Check Valve On Riser, 10" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-S-B-C-1401) For Root Watering Sand Sock, Add	73.44 4.32	15.25

**32 90 Planting** (32)

Note: Plant installation includes the initial watering only. The extended watering period for the establishment of lawns, plants and trees is addressed on a per plant per amount per occurrence basis as directed in the specification. cvs = cultivar. See CSI section 32 01 90 26-0000 for additional "extended watering period" tasks.

**32 Exterior Improvements**

**32 90 Planting**

**32 91 Planting Preparation**



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

**32 91 Planting Preparation** (32 91)

**32 91 13 Soil Preparation** (32 91)

**32 91 13 16 Mulching** (32 91 13)

**32 91 13 16-0001 Mulch** (32 91 13 16)

Note: Includes loading, delivery up to 15 miles and spreading. 1 CY = 108 SF of mulch spread 3" thick. See CSI section 01 74 19 00-0055 for hauling greater than 15 miles.

32 91 13 16-0002	CY Pine Bark Nugget Mulch	108.79
	<i>For Work On Slopes &gt;2.5:1, Add</i>	13.94
	<i>For &gt;5 To 20, Deduct</i>	-8.93
	<i>For &gt;20 To 50, Deduct</i>	-13.39
	<i>For &gt;50, Deduct</i>	-18.83
32 91 13 16-0003	CY Hardwood Bark Nugget Mulch	107.22
	<i>For Work On Slopes &gt;2.5:1, Add</i>	13.94
	<i>For &gt;5 To 20, Deduct</i>	-8.85
	<i>For &gt;20 To 50, Deduct</i>	-13.27
	<i>For &gt;50, Deduct</i>	-18.63
32 91 13 16-0004	CY Pine Wood Chip Mulch	104.10
	<i>For Work On Slopes &gt;2.5:1, Add</i>	13.94
	<i>For &gt;5 To 20, Deduct</i>	-8.69
	<i>For &gt;20 To 50, Deduct</i>	-13.04
	<i>For &gt;50, Deduct</i>	-18.24
32 91 13 16-0005	CY Hardwood Chip Mulch	110.35
	<i>For Work On Slopes &gt;2.5:1, Add</i>	13.94
	<i>For &gt;5 To 20, Deduct</i>	-9.00
	<i>For &gt;20 To 50, Deduct</i>	-13.50
	<i>For &gt;50, Deduct</i>	-19.02
32 91 13 16-0006	CY Shredded Hardwood Mulch	110.35
	<i>For Work On Slopes &gt;2.5:1, Add</i>	13.94
	<i>For &gt;5 To 20, Deduct</i>	-9.00
	<i>For &gt;20 To 50, Deduct</i>	-13.50
	<i>For &gt;50, Deduct</i>	-19.02
32 91 13 16-0007	CY Shredded Pine Mulch	96.28
	<i>For Work On Slopes &gt;2.5:1, Add</i>	13.94
	<i>For &gt;5 To 20, Deduct</i>	-8.30
	<i>For &gt;20 To 50, Deduct</i>	-12.45
	<i>For &gt;50, Deduct</i>	-17.26
32 91 13 16-0008	CY Shredded Cedar Mulch	126.76
	<i>For Work On Slopes &gt;2.5:1, Add</i>	13.94
	<i>For &gt;5 To 20, Deduct</i>	-9.82
	<i>For &gt;20 To 50, Deduct</i>	-14.74
	<i>For &gt;50, Deduct</i>	-21.07
32 91 13 16-0009	CY Shredded Cypress Mulch	124.41
	<i>For Work On Slopes &gt;2.5:1, Add</i>	13.94
	<i>For &gt;5 To 20, Deduct</i>	-9.71
	<i>For &gt;20 To 50, Deduct</i>	-14.56
	<i>For &gt;50, Deduct</i>	-20.78
32 91 13 16-0010	CY Shredded Redwood Mulch	130.67
	<i>For Work On Slopes &gt;2.5:1, Add</i>	13.94
	<i>For &gt;5 To 20, Deduct</i>	-10.02
	<i>For &gt;20 To 50, Deduct</i>	-15.03
	<i>For &gt;50, Deduct</i>	-21.56
32 91 13 16-0011	CY Pea Gravel Mulch	123.47
	<i>For Work On Slopes &gt;2.5:1, Add</i>	13.94
	<i>For &gt;5 To 20, Deduct</i>	-9.66
	<i>For &gt;20 To 50, Deduct</i>	-14.49
	<i>For &gt;50, Deduct</i>	-20.66
32 91 13 16-0012	CY Chunk Recycled Tire Mulch	197.96
	<i>For Work On Slopes &gt;2.5:1, Add</i>	17.71
	<i>For &gt;5 To 20, Deduct</i>	-14.33
	<i>For &gt;20 To 50, Deduct</i>	-21.49
	<i>For &gt;50, Deduct</i>	-31.39
32 91 13 16-0013	CY Chunk Colored Recycled Tire Mulch	305.81
	<i>For Work On Slopes &gt;2.5:1, Add</i>	17.71
	<i>For &gt;5 To 20, Deduct</i>	-19.72
	<i>For &gt;20 To 50, Deduct</i>	-29.58
	<i>For &gt;50, Deduct</i>	-44.87
32 91 13 16-0014	CY Shredded Recycled Tire Mulch	307.37
	<i>For Work On Slopes &gt;2.5:1, Add</i>	17.71
	<i>For &gt;5 To 20, Deduct</i>	-19.80
	<i>For &gt;20 To 50, Deduct</i>	-29.69
	<i>For &gt;50, Deduct</i>	-45.06
32 91 13 16-0015	CY Shredded Colored Recycled Tire Mulch	523.06
	<i>For Work On Slopes &gt;2.5:1, Add</i>	17.71
	<i>For &gt;5 To 20, Deduct</i>	-30.58
	<i>For &gt;20 To 50, Deduct</i>	-45.87
	<i>For &gt;50, Deduct</i>	-72.02
32 91 13 16-0016	EA Pine Straw Mulch Bale	9.27
	Note: Covers 50 SF at a thickness of 2" to 4" forming a uniform mat through which none of the original ground surface can be seen.	
	<i>For Work On Slopes &gt;2.5:1, Add</i>	0.76
	<i>For &gt;100 To 250, Deduct</i>	-0.65
	<i>For &gt;250 To 500, Deduct</i>	-0.85
	<i>For &gt;500, Deduct</i>	-1.12



		<b>Exterior Improvements</b>	<b>32</b>
		Planting	32 90
		Planting Preparation	32 91

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 91 13 16-0017 EA Wheat Straw Mulch Bale .....9.28 Note: Covers 350 SF forming a uniform mat through which 20 to 40% of the original ground surface can be seen. For Work On Slopes >2.5:1, Add 0.57 For >100 To 250, Deduct -0.61 For >250 To 500, Deduct -0.75 For >500, Deduct -1.07		
32 91 13 16-0018 CY Stone/Gravel Mulch, Marble Chips ..... 339.07 For Work On Slopes >2.5:1, Add 13.94 For >5 To 20, Deduct -20.44 For >20 To 50, Deduct -30.66 For >50, Deduct -47.61		
32 91 13 16-0019 CY Stone Mulch, Decomposed Granite Chips ..... 124.49 For Work On Slopes >2.5:1, Add 13.94 For >5 To 20, Deduct -9.71 For >20 To 50, Deduct -14.57 For >50, Deduct -20.79		
<b>32 91 13 16-0020 Compost Soil Amendment (AgriService) (32 91 13 16)</b> Note: Includes loading, delivery up to 15 miles and spreading. See CSI section 01 74 19 00-0055 for hauling greater than 15 miles.		
32 91 13 16-0021 CY Humic Compost (OIM) ..... 89.99 Note: (Agri Service or Equal) For Work On Slopes >2.5:1, Add 13.94 For >100 To 1,000, Deduct -14.96 For >1,000, Deduct -22.94		
<b>32 91 13 26 Planting Beds (32 91 13)</b> Note: Not for use when installing trees and shrubs.		
<b>32 91 13 26-0001 Plant Bed Preparation (32 91 13 26)</b> Note: Not for use when installing trees and shrubs.		
32 91 13 26-0002 SF Up To 8" Deep, Prepare And Mix Plant Bed, By Machine ..... 1.09 Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments. For Work On Slopes >2.5:1, Add 0.22		
32 91 13 26-0003 SF >8" To 13" Deep, Prepare And Mix Plant Bed, By Machine ..... 1.26 Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments. For Work On Slopes >2.5:1, Add 0.25		
32 91 13 26-0004 SF >13" To 18" Deep, Prepare And Mix Plant Bed, By Machine ..... 1.47 Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments. For Work On Slopes >2.5:1, Add 0.29		
32 91 13 26-0005 SF Up To 8" Deep, Prepare And Mix Plant Bed By Hand ..... 4.79 Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments. For Work On Slopes >2.5:1, Add 0.96		
32 91 13 26-0006 SF >8" To 13" Deep, Prepare And Mix Plant Bed By Hand ..... 5.50 Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments. For Work On Slopes >2.5:1, Add 1.10		
32 91 13 26-0007 SF >13" To 18" Deep, Prepare And Mix Plant Bed By Hand ..... 6.47 Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments. For Work On Slopes >2.5:1, Add 1.29		
<b>32 91 13 26-0008 Plant Bed Preparation With Humic Compost (32 91 13 26)</b>		
32 91 13 26-0009 SF Prepare And Mix Plant Bed By Rototiller, Up To 8" Deep, Mixing Humic Compost (Mixed At Rate Of 3 CY Per 1,000 SF) ..... 1.19 Note: Includes loosening subgrade, removing rubbish, mixing humic compost and raking surface. For Work On Slopes >2.5:1, Add 0.23 For >1,000 To 5,000, Deduct -0.17 For >5,000 To 10,000, Deduct -0.28 For >10,000 To 20,000, Deduct -0.57 For >20,000, Deduct -0.80		
32 91 13 26-0010 SF Prepare And Mix Plant Bed By Rototiller, Up To 8" Deep, Mixing Humic Compost (Mixed At Rate Of 6 CY Per 1,000 SF) ..... 1.48 Note: Includes loosening subgrade, removing rubbish, mixing humic compost and raking surface. For Work On Slopes >2.5:1, Add 0.27 For >1,000 To 5,000, Deduct -0.20 For >5,000 To 10,000, Deduct -0.34 For >10,000 To 20,000, Deduct -0.69 For >20,000, Deduct -0.96		
32 91 13 26-0011 SF Prepare And Mix Plant Bed By Rototiller, Up To 8" Deep, Mixing Humic Compost (Mixed At Rate Of 9 CY Per 1,000 SF) ..... 1.77 Note: Includes loosening subgrade, removing rubbish, mixing humic compost and raking surface. For Work On Slopes >2.5:1, Add 0.32 For >1,000 To 5,000, Deduct -0.24 For >5,000 To 10,000, Deduct -0.40 For >10,000 To 20,000, Deduct -0.80 For >20,000, Deduct -1.13		

**32 Exterior Improvements****32 90 Planting****32 91 Planting Preparation**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

<b>32 91 13 26-0012</b>	<b>Planting Pit Preparation</b> <small>(32 91 13 26)</small>		
	Note: Not for use when installing trees and shrubs.		
32 91 13 26-0013	CY Excavate Planting Pit By Hand, Sandy Soil	82.85	
	Note: For use with existing planting pits.		
	<i>For Work On Slopes &gt;2.5:1, Add</i>	16.57	
32 91 13 26-0014	CY Excavate Planting Pit By Hand, Heavy Soil	165.70	
	Note: For use with existing planting pits.		
	<i>For Work On Slopes &gt;2.5:1, Add</i>	33.14	
32 91 13 26-0015	CY Excavate Planting Pit By Machine, Sandy Soil	13.96	
	Note: For use with existing planting pits.		
	<i>For Work On Slopes &gt;2.5:1, Add</i>	2.79	
32 91 13 26-0016	CY Excavate Planting Pit By Machine, Heavy Soil	18.17	
	Note: For use with existing planting pits.		
	<i>For Work On Slopes &gt;2.5:1, Add</i>	3.63	
32 91 13 26-0017	CY Backfill Planting Pit By Hand With Topsoil From Stockpile	73.62	
	<i>For Work On Slopes &gt;2.5:1, Add</i>	14.72	
32 91 13 26-0018	CY Backfill Planting Pit By Hand With Contractor Furnished Planting Mix	115.36	
	<i>For Work On Slopes &gt;2.5:1, Add</i>	13.69	
32 91 13 26-0019	CY Backfill Planting Pit By Machine, With Topsoil From Stockpile	7.40	
	<i>For Work On Slopes &gt;2.5:1, Add</i>	1.48	
32 91 13 26-0020	CY Backfill Planting Pit By Machine, With Contractor Furnished Planting Mix	66.25	
	<i>For Work On Slopes &gt;2.5:1, Add</i>	3.87	
<b>32 91 13 26-0021</b>	<b>Weed Barrier</b> <small>(32 91 13 26)</small>		
32 91 13 26-0022	SY Up To 3 Oz/SY Non-Woven, Polypropylene Weed Barrier	2.31	
	<i>For Work On Slopes &gt;2.5:1, Add</i>	0.13	
32 91 13 26-0023	SY 4 Oz/SY Woven, Polypropylene Weed Barrier	3.17	
	<i>For Work On Slopes &gt;2.5:1, Add</i>	0.13	
32 91 13 26-0024	SY 5 Oz/SY Woven, Needle Punched Polypropylene Weed Barrier	3.54	
	<i>For Work On Slopes &gt;2.5:1, Add</i>	0.13	
<b>32 91 13 33</b>	<b>Soil Conditioners</b> <small>(32 91 13)</small>		
<b>32 91 13 33-0001</b>	<b>Spread Soil Conditioners</b> <small>(32 91 13 33)</small>		
32 91 13 33-0002	SY Aluminum Sulfate 1 LB/SY, Push Spreader	0.43	
32 91 13 33-0003	MSF Aluminum Sulfate 110 LB/MSF Tractor Spreader	40.77	
32 91 13 33-0004	MSF Fertilizer, 20 LB/MSF, Push Spreader	6.96	
32 91 13 33-0005	MSF Fertilizer, 20 LB/MSF, Tractor Spread	3.03	
32 91 13 33-0006	MSF Fertilizer, 20 LB/MSF, Truck Spread	5.54	
32 91 13 33-0007	SY Pelletized Lime, 1 LB/SY, Push Spreader	0.10	
32 91 13 33-0008	MSF Pelitized Lime, 110 LB/MSF, Tractor Spreader	7.73	
32 91 13 33-0009	SY Perlite, 1" Deep, Push Spreader	3.71	
32 91 13 33-0010	MSF Perlite, 1" Deep, Tractor Spreader	385.45	
32 91 13 33-0011	SY Vermiculite, Push Spreader	3.44	
32 91 13 33-0012	MSF Vermiculite, Tractor Spreader	376.52	
32 91 13 33-0013	SY Humate Granular Soil Conditioner, 0.10 LB/SY, Push Spreader	0.22	
32 91 13 33-0014	MSF Humate Granular Soil Conditioner, 10 LB/MSF, Tractor Spreader	20.24	
<b>32 91 13 36</b>	<b>Lawn Bed Preparation</b> <small>(32 91 13)</small>		
<b>32 91 13 36-0001</b>	<b>Lawn Bed Preparation</b> <small>(32 91 13 36)</small>		
32 91 13 36-0002	MSF Rake Topsoil With Machine	86.19	
32 91 13 36-0003	MSF Rake Topsoil By Hand	66.27	
32 91 13 36-0004	MSF Screen Loam By Hand	44.18	
32 91 13 36-0005	SY Roll Topsoil With Machine	1.12	
32 91 13 36-0006	SY Roll Topsoil By Hand	2.96	
32 91 13 36-0007	MSF Removal Of Rocks And Debris With Machine	10.20	
32 91 13 36-0008	MSF Removal Of Rocks And Debris By Hand	31.17	
32 91 13 36-0009	MSF Root Raking And Loading, No Boulders	53.35	
	<i>For &gt;45 to 225, Deduct</i>	-37.35	
	<i>For &gt;225, Deduct</i>	-48.02	
32 91 13 36-0010	MSF Root Raking And Loading, With Boulders	88.91	
	<i>For &gt;45 to 225, Deduct</i>	-62.24	
	<i>For &gt;225, Deduct</i>	-80.02	
32 91 13 36-0011	MSF Up To 6" Deep Tilling Topsoil With Tractor	4.83	
32 91 13 36-0012	MSF >6" To 12" Deep Tilling Topsoil With Tractor	9.80	
	<i>For Work On Slopes &gt;2.5:1, Add</i>	1.96	
32 91 13 36-0013	SY Up To 2" Deep Tilling Topsoil With Rototiller	0.71	
32 91 13 36-0014	SY >2" To 4" Deep Tilling Topsoil With Rototiller	0.85	
32 91 13 36-0015	SY >4" To 6" Deep Tilling Topsoil With Rototiller	1.06	
32 91 13 36-0016	LF "V" Cut Soil For Edge Of Planting Beds	1.18	
<b>32 91 13 36-0017</b>	<b>Sod Removal</b> <small>(32 91 13 36)</small>		
32 91 13 36-0018	SY Removal Of Sod By Hand	5.59	
	<i>For Work On Slopes &gt;2.5:1, Add</i>	1.12	
32 91 13 36-0019	SY Removal Of Sod With Machine	0.65	
	<i>For Work On Slopes &gt;2.5:1, Add</i>	0.13	



<b>Exterior Improvements</b>		<b>32</b>
	Planting	32 90
	Planting Preparation	32 91

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 91 13 36-0020 SY Pile Sod By Hand..... <i>For Work On Slopes &gt;2.5:1, Add</i>	3.31 0.66	
32 91 13 36-0021 SY Pile Sod With Machine..... <i>For Work On Slopes &gt;2.5:1, Add</i>	1.22 0.24	
<b>32 91 19 Landscape Grading (32 91)</b>		
<b>32 91 19 13 Topsoil Placement and Grading (32 91 19)</b>		
<b>32 91 19 13-0001 Remove And Stockpile Topsoil On Site (32 91 19 13)</b>		
32 91 19 13-0002 CY Removal Of Topsoil, 4" Deep Stockpile On Site.....	5.24	
32 91 19 13-0003 CY Removal Of Topsoil, 6" Deep Stockpile On Site.....	5.18	
<b>32 91 19 13-0004 Screening Topsoil (32 91 19 13)</b>		
32 91 19 13-0005 CY Screen Topsoil With Vibrating Screen, Wet Material (Organic).....	11.22	
32 91 19 13-0006 CY Screen Topsoil With Vibrating Screen, Dry Material.....	7.48	
<b>32 91 19 13-0007 Spreading Topsoil From Stockpile (32 91 19 13)</b>		
32 91 19 13-0008 CY Spread Topsoil By Machine From Stockpile.....	8.34	
32 91 19 13-0009 CY Spread Topsoil By Hand From Stockpile.....	63.23	
<b>32 91 19 13-0010 Furnish And Place Imported Screened Topsoil (32 91 19 13)</b>		
<i>Note: Includes delivery up to 15 miles from the closest approved source and spread by machine. Excludes hand spreading. See CSI section 01 74 19 00-0055 for hauling greater than 15 miles, 31 23 16 36-0030 for hand spreading.</i>		
32 91 19 13-0011 SY Furnish And Place Imported Screened Topsoil, 2" Deep..... <i>For Unscreened, Deduct</i>	3.91 -0.49	
32 91 19 13-0012 SY Furnish And Place Imported Screened Topsoil, 4" Deep..... <i>For Unscreened, Deduct</i>	7.50 -0.98	
32 91 19 13-0013 SY Furnish And Place Imported Screened Topsoil, 6" Deep..... <i>For Unscreened, Deduct</i>	10.85 -1.47	
32 91 19 13-0014 SY Furnish And Place Imported Screened Topsoil, 9" Deep..... <i>For Unscreened, Deduct</i>	15.67 -2.21	
32 91 19 13-0015 SY Furnish And Place Imported Screened Topsoil, 12" Deep..... <i>For Unscreened, Deduct</i>	20.49 -2.95	
32 91 19 13-0016 CY Furnish And Place Imported Screened Topsoil, Over 12" Deep..... <i>For Unscreened, Deduct</i>	56.12 -8.84	
<b>32 91 19 13-0017 Scarify Soil For Planting Preparation (32 91 19 13)</b>		
<i>Note: Ripped in multiple directions with 3" maximum clods.</i>		
32 91 19 13-0018 MSF Up To 5,000 SF Scarify Up To 8" Soil With Machine.....	65.32	
32 91 19 13-0019 MSF >5,000 To 20,000 SF Scarify Up To 8" Soil With Machine.....	45.72	
32 91 19 13-0020 MSF >20,000 SF Scarify Up To 8" Soil With Machine.....	26.89	
<b>32 92 Turf and Grasses (32 90)</b>		
<b>32 92 16 Plugging (32 92)</b>		
<b>32 92 16 00-0001 Bermuda Or Centipede Plugging, 1" Deep (32 92 16)</b>		
<i>Note: Includes fine grade and soil preparation.</i>		
<b>32 92 16 00-0002 6" On Center Plugging (32 92 16 00-0001)</b>		
32 92 16 00-0003 MSF Plugging By Hand, 6" On Center.....	217.14	
32 92 16 00-0004 MSF Plugging By Walk Behind Planter, 6" On Center.....	32.54	
32 92 16 00-0005 MSF Plugging By Towed Planter, 6" On Center.....	25.03	
<b>32 92 16 00-0006 9" On Center Plugging (32 92 16 00-0001)</b>		
32 92 16 00-0007 MSF Plugging By Hand, 9" On Center.....	166.49	
32 92 16 00-0008 MSF Plugging By Walk Behind Planter, 9" On Center.....	25.34	
32 92 16 00-0009 MSF Plugging By Towed Planter, 9" On Center.....	18.73	
<b>32 92 16 00-0010 12" On Center Plugging (32 92 16 00-0001)</b>		
32 92 16 00-0011 MSF Plugging By Hand, 12" On Center.....	139.64	
32 92 16 00-0012 MSF Plugging By Walk Behind Planter, 12" On Center.....	17.02	
32 92 16 00-0013 MSF Plugging By Towed Planter, 12" On Center.....	11.93	
<b>32 92 19 Seeding (32 92)</b>		
<b>32 92 19 13 Mechanical Seeding (32 92 19)</b>		
<i>Note: Includes fertilizing, liming, mixing, seeding and initial watering.</i>		
<b>32 92 19 13-0001 Tractor Spreader Mechanical Seeding (32 92 19 13)</b>		
<i>Note: Excludes straw. See CSI section 32 91 13 16-0017 for wheat straw mulch.</i>		

**32 Exterior Improvements****32 90 Planting****32 92 Turf and Grasses**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 92 19 13-0002	MSF	Common Bluegrass, Tractor Spreader ..... Note: 4 LB/MSF spread rate.	48.48	
32 92 19 13-0003	MSF	Tall Fescue, Tractor Spreader ..... Note: 5.5 LB/MSF spread rate.	37.26	
32 92 19 13-0004	MSF	Rye, Tractor Spreader ..... Note: 10 LB/MSF spread rate.	37.97	
32 92 19 13-0005	MSF	Shade Mix, Tractor Spreader ..... Note: 6 LB/MSF spread rate. Mixture of red fescue, creeping red fescue, perennial rye and bluegrass.	41.58	
32 92 19 13-0006	MSF	Turf Mix, Tractor Spreader ..... Note: 4 LB/MSF spread rate. Mixture of three varieties of bluegrass and one improved perennial ryegrass.	44.18	
32 92 19 13-0007	MSF	Slope Mix, Tractor Spreader ..... Note: 6 LB/MSF spread rate.	40.72	
32 92 19 13-0008	MSF	Utility Mix, Tractor Spreader ..... Note: 7 LB/MSF spread rate. Mixture of perennial/annual rye, creeping red fescue and bluegrass.	36.40	
32 92 19 13-0009	MSF	Wild Flower Mix, Tractor Spreader ..... Note: 0.10 LB/MSF spread rate.	28.26	
32 92 19 13-0010	MSF	Crown Vetch Mix, Tractor Spreader ..... Note: 4 LB/MSF spread rate.	92.61	
32 92 19 13-0011	MSF	Athletic Mix, Tractor Spreader ..... Note: 8 LB/MSF spread rate. Mixture of three varieties of drought resistant bluegrass, tall fescue and Kentucky bluegrass.	54.55	
32 92 19 13-0012	MSF	White Clover Mix, Tractor Spreader ..... Note: 7 LB/MSF spread rate.	28.18	
32 92 19 13-0013	MSF	Ladino Clover Mix, Tractor Spreader ..... Note: 7 LB/MSF spread rate.	31.64	
<b>32 92 19 13-0014</b>		<b>Hydro Or Air Mechanical Seeding</b> <small>(32 92 19 13)</small>		
32 92 19 13-0015	MSF	Common Bluegrass, Hydro Or Air Seeding ..... Note: 4 LB/MSF spread rate.	97.29	
		<i>For Spot Areas Up To 1, Add</i>	99.99	
		<i>For &gt;1 To 4, Add</i>	63.87	
		<i>For &gt;4 To 7.5, Add</i>	43.04	
		<i>For &gt;7.5 To 10, Add</i>	21.52	
		<i>For &gt;45, Deduct</i>	-7.64	
		<i>For Tackifier, Add</i>	1.43	
32 92 19 13-0016	MSF	Tall Fescue, Hydro Or Air Seeding ..... Note: 5.5 LB/MSF spread rate.	103.65	
		<i>For Spot Areas Up To 1, Add</i>	102.53	
		<i>For &gt;1 To 4, Add</i>	65.15	
		<i>For &gt;4 To 7.5, Add</i>	43.68	
		<i>For &gt;7.5 To 10, Add</i>	21.84	
		<i>For &gt;45, Deduct</i>	-7.96	
		<i>For Tackifier, Add</i>	1.43	
32 92 19 13-0017	MSF	Rye, Hydro Or Air Spread ..... Note: 10 LB/MSF spread rate.	97.56	
		<i>For Spot Areas Up To 1, Add</i>	100.10	
		<i>For &gt;1 To 4, Add</i>	63.93	
		<i>For &gt;4 To 7.5, Add</i>	43.07	
		<i>For &gt;7.5 To 10, Add</i>	21.53	
		<i>For &gt;45, Deduct</i>	-7.65	
		<i>For Tackifier, Add</i>	1.43	
32 92 19 13-0018	MSF	Shade Mix, Hydro Or Air Seeding ..... Note: 6 LB/MSF spread rate. Mixture of red fescue, creeping red fescue, perennial rye and bluegrass.	97.29	
		<i>For Spot Areas Up To 1, Add</i>	99.99	
		<i>For &gt;1 To 4, Add</i>	63.87	
		<i>For &gt;4 To 7.5, Add</i>	43.04	
		<i>For &gt;7.5 To 10, Add</i>	21.52	
		<i>For &gt;45, Deduct</i>	-7.64	
		<i>For Tackifier, Add</i>	1.43	
32 92 19 13-0019	MSF	Turf Mix, Hydro Or Air Seeding ..... Note: 4 LB/MSF spread rate. Mixture of three varieties of bluegrass and one improved perennial ryegrass.	103.65	
		<i>For Spot Areas Up To 1, Add</i>	102.53	
		<i>For &gt;1 To 4, Add</i>	65.15	
		<i>For &gt;4 To 7.5, Add</i>	43.68	
		<i>For &gt;7.5 To 10, Add</i>	21.84	
		<i>For &gt;45, Deduct</i>	-7.96	
		<i>For Tackifier, Add</i>	1.43	
32 92 19 13-0020	MSF	Slope Mix, Hydro Or Air Seeding ..... Note: 6 LB/MSF spread rate.	100.92	
		<i>For Spot Areas Up To 1, Add</i>	101.44	
		<i>For &gt;1 To 4, Add</i>	64.60	
		<i>For &gt;4 To 7.5, Add</i>	43.40	
		<i>For &gt;7.5 To 10, Add</i>	21.70	
		<i>For &gt;45, Deduct</i>	-7.82	
		<i>For Tackifier, Add</i>	1.43	
32 92 19 13-0021	MSF	Utility Mix, Hydro Or Air Seeding ..... Note: 7 LB/MSF spread rate. Mixture of perennial/annual rye, creeping red fescue and bluegrass.	98.72	
		<i>For Spot Areas Up To 1, Add</i>	100.56	
		<i>For &gt;1 To 4, Add</i>	64.16	
		<i>For &gt;4 To 7.5, Add</i>	43.18	
		<i>For &gt;7.5 To 10, Add</i>	21.59	
		<i>For &gt;45, Deduct</i>	-7.71	
		<i>For Tackifier, Add</i>	1.43	



		<b>Exterior Improvements</b>	<b>32</b>
		Planting	32 90
		Turf and Grasses	32 92

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 92 19 13-0022 MSF Wild Flower Mix, Hydro Or Air Seeding .....	91.65	
Note: 0.10 LB/MSF spread rate.		
For Spot Areas Up To 1, Add	97.73	
For >1 To 4, Add	62.75	
For >4 To 7.5, Add	42.48	
For >7.5 To 10, Add	21.24	
For >45, Deduct	-7.36	
For Tackifier, Add	1.43	
32 92 19 13-0023 MSF Crown Vetch Mix, Hydro Or Air Seeding.....	155.41	
Note: 4 LB/MSF spread rate.		
For Spot Areas Up To 1, Add	123.24	
For >1 To 4, Add	75.50	
For >4 To 7.5, Add	48.85	
For >7.5 To 10, Add	24.43	
For >45, Deduct	-10.55	
For Tackifier, Add	1.43	
32 92 19 13-0024 MSF Athletic Mix, Hydro Or Air Seeding .....	135.45	
Note: 8 LB/MSF spread rate. Mixture of three varieties of drought resistant bluegrass, tall fescue and Kentucky bluegrass.		
For Spot Areas Up To 1, Add	115.25	
For >1 To 4, Add	71.51	
For >4 To 7.5, Add	46.86	
For >7.5 To 10, Add	23.43	
For >45, Deduct	-9.55	
For Tackifier, Add	1.43	
32 92 19 13-0025 MSF White Clover Mix, Hydro Or Air Seeding.....	83.03	
Note: 7 LB/MSF spread rate.		
For Spot Areas Up To 1, Add	94.28	
For >1 To 4, Add	61.02	
For >4 To 7.5, Add	41.62	
For >7.5 To 10, Add	20.81	
For >45, Deduct	-6.93	
For Tackifier, Add	1.43	
32 92 19 13-0026 MSF Ladino Clover Mix, Hydro Or Air Seeding.....	93.66	
Note: 7 LB/MSF spread rate.		
For Spot Areas Up To 1, Add	98.54	
For >1 To 4, Add	63.15	
For >4 To 7.5, Add	42.68	
For >7.5 To 10, Add	21.34	
For >45, Deduct	-7.46	
For Tackifier, Add	1.43	
32 92 19 13-0027 MSF 60% Kentucky Bluegrass, 20% Creeping Red Fescue, 10% Red Top And 10% Domestic Rye, Hydro Or Air Spread.....	99.11	
Note: 4 LB/MSF spread rate.		
For Spot Areas Up To 1, Add	100.72	
For >1 To 4, Add	64.24	
For >4 To 7.5, Add	43.22	
For >7.5 To 10, Add	21.61	
For >45, Deduct	-7.73	
For Tackifier, Add	1.43	
32 92 19 13-0028 MSF 2,500 LB/Acre, High Performance - Flexible Growth Medium .....	129.14	
Note: Applied with seed. Excludes seed.		
For >45, Deduct	-7.85	
32 92 19 13-0029 MSF 3,000 LB/Acre, High Performance - Flexible Growth Medium .....	150.80	
Note: Applied with seed. Excludes seed.		
For >45, Deduct	-9.00	
32 92 19 13-0030 MSF 3,500 LB/Acre, High Performance - Flexible Growth Medium .....	172.56	
Note: Applied with seed. Excludes seed.		
For >45, Deduct	-10.16	
32 92 19 13-0031 MSF 4,000 LB/Acre, High Performance - Flexible Growth Medium .....	194.34	
Note: Applied with seed. Excludes seed.		
For >45, Deduct	-11.32	
32 92 19 13-0032 MSF 4,500 LB/Acre, High Performance - Flexible Growth Medium .....	216.23	
Note: Applied with seed. Excludes seed.		
For >45, Deduct	-12.50	
<b>32 92 19 19 Seeding by Hand</b> <small>(32 92 19)</small>		
Note: Includes fertilizing, liming, mixing, seeding and initial watering. See CSI section 32 91 13 16-0017 for wheat straw mulch.		
32 92 19 19-0001 Push Spreader Or Hand Seeding <small>(32 92 19 19)</small>		
Note: Excludes straw. See CSI section 32 91 13 16-0017 for wheat straw mulch.		
32 92 19 19-0002 MSF Common Bluegrass, Push Spreader Or Hand.....	107.90	
Note: 4 LB/MSF spread rate.		
For >5 To 20, Deduct	-7.47	
For >20 To 45, Deduct	-14.31	
For >45, Deduct	-23.22	
32 92 19 19-0003 MSF Tall Fescue, Push Spreader Or Hand.....	96.68	
Note: 5.5 LB/MSF spread rate.		
For >5 To 20, Deduct	-6.91	
For >20 To 45, Deduct	-13.46	
For >45, Deduct	-22.09	

**32 Exterior Improvements**

**32 90 Planting**

**32 92 Turf and Grasses**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 92 19	19-0004	MSF	Rye, Push Spreader Or Hand Note: 10 LB/MSF spread rate.	97.39	
			<i>For &gt;5 To 20, Deduct</i>	-6.94	
			<i>For &gt;20 To 45, Deduct</i>	-13.52	
			<i>For &gt;45, Deduct</i>	-22.17	
32 92 19	19-0005	MSF	Shade Mix, Push Spreader Or Hand Note: 6 LB/MSF spread rate. Mixture of red fescue, creeping red fescue, perennial rye and bluegrass.	101.00	
			<i>For &gt;5 To 20, Deduct</i>	-7.12	
			<i>For &gt;20 To 45, Deduct</i>	-13.79	
			<i>For &gt;45, Deduct</i>	-22.53	
32 92 19	19-0006	MSF	Turf Mix, Push Spreader Or Hand Note: 4 LB/MSF spread rate. Mixture of three varieties of bluegrass and one improved perennial ryegrass.	103.60	
			<i>For &gt;5 To 20, Deduct</i>	-7.25	
			<i>For &gt;20 To 45, Deduct</i>	-13.98	
			<i>For &gt;45, Deduct</i>	-22.79	
32 92 19	19-0007	MSF	Slope Mix, Push Spreader Or Hand Note: 6 LB/MSF spread rate.	100.14	
			<i>For &gt;5 To 20, Deduct</i>	-7.08	
			<i>For &gt;20 To 45, Deduct</i>	-13.72	
			<i>For &gt;45, Deduct</i>	-22.44	
32 92 19	19-0008	MSF	Utility Mix, Push Spreader Or Hand Note: 7 LB/MSF spread rate. Mixture of perennial/annual rye, creeping red fescue and bluegrass.	95.82	
			<i>For &gt;5 To 20, Deduct</i>	-6.86	
			<i>For &gt;20 To 45, Deduct</i>	-13.40	
			<i>For &gt;45, Deduct</i>	-22.01	
32 92 19	19-0009	MSF	Wild Flower Mix, Push Spreader Or Hand Note: 0.10 LB/MSF spread rate.	87.68	
			<i>For &gt;5 To 20, Deduct</i>	-6.46	
			<i>For &gt;20 To 45, Deduct</i>	-12.79	
			<i>For &gt;45, Deduct</i>	-21.19	
32 92 19	19-0010	MSF	Crown Vetch Mix, Push Spreader Or Hand Note: 4 LB/MSF spread rate.	152.03	
			<i>For &gt;5 To 20, Deduct</i>	-9.67	
			<i>For &gt;20 To 45, Deduct</i>	-17.62	
			<i>For &gt;45, Deduct</i>	-27.63	
32 92 19	19-0011	MSF	Athletic Mix, Push Spreader Or Hand Note: 8 LB/MSF spread rate. Mixture of drought resistant bluegrass, tall fescue and Kentucky bluegrass.	113.97	
			<i>For &gt;5 To 20, Deduct</i>	-7.77	
			<i>For &gt;20 To 45, Deduct</i>	-14.76	
			<i>For &gt;45, Deduct</i>	-23.82	
32 92 19	19-0012	MSF	White Clover Mix, Push Spreader Or Hand Note: 7 LB/MSF spread rate.	87.60	
			<i>For &gt;5 To 20, Deduct</i>	-6.45	
			<i>For &gt;20 To 45, Deduct</i>	-12.78	
			<i>For &gt;45, Deduct</i>	-21.19	
32 92 19	19-0013	MSF	Ladino Clover Mix, Push Spreader Or Hand Note: 7 LB/MSF spread rate.	91.06	
			<i>For &gt;5 To 20, Deduct</i>	-6.62	
			<i>For &gt;20 To 45, Deduct</i>	-13.04	
			<i>For &gt;45, Deduct</i>	-21.53	
32 92 19	19-0014	MSF	100% Kentucky Bluegrass, Push Spreader Or Hand Note: 3.3 LB/MSF spread rate.	109.63	
			<i>For &gt;5 To 20, Deduct</i>	-7.55	
			<i>For &gt;20 To 45, Deduct</i>	-14.44	
			<i>For &gt;45, Deduct</i>	-23.39	
32 92 19	19-0015	MSF	70% Kentucky Bluegrass And 30% Fescue, Push Spreader Or Hand Note: 3.3 LB/MSF spread rate.	104.63	
			<i>For &gt;5 To 20, Deduct</i>	-7.30	
			<i>For &gt;20 To 45, Deduct</i>	-14.06	
			<i>For &gt;45, Deduct</i>	-22.89	
32 92 19	19-0016	MSF	50% Kentucky Bluegrass And 50% Fescue, Push Spreader Or Hand Note: 3.3 LB/MSF spread rate.	101.00	
			<i>For &gt;5 To 20, Deduct</i>	-7.12	
			<i>For &gt;20 To 45, Deduct</i>	-13.79	
			<i>For &gt;45, Deduct</i>	-22.53	
32 92 19	19-0017	MSF	50% Kentucky Bluegrass And 50% Perennial Rye, Push Spreader Or Hand Note: 4.4 LB/MSF spread rate.	108.27	
			<i>For &gt;5 To 20, Deduct</i>	-7.48	
			<i>For &gt;20 To 45, Deduct</i>	-14.33	
			<i>For &gt;45, Deduct</i>	-23.25	
32 92 19	19-0018	MSF	60% Kentucky Bluegrass, 20% Creeping Red Fescue, 10% Red Top And 10% Domestic Rye, Push Spreader Or Hand Note: 3.3 LB/MSF spread rate.	102.82	
			<i>For &gt;5 To 20, Deduct</i>	-7.21	
			<i>For &gt;20 To 45, Deduct</i>	-13.92	
			<i>For &gt;45, Deduct</i>	-22.71	
32 92 19	19-0019	MSF	40% Creeping Red Fescue, 30% Kentucky Bluegrass, 10% Red Top, And 20% Blue Tag Perennial Rye, Push Spreader Or Hand Note: 3.3 LB/MSF spread rate.	103.60	
			<i>For &gt;5 To 20, Deduct</i>	-7.25	
			<i>For &gt;20 To 45, Deduct</i>	-13.98	
			<i>For &gt;45, Deduct</i>	-22.79	

**32 92 23 Sodding** <sup>(32 92)</sup>

Note: Includes raking preparation, water thoroughly and allow surface to dry before planting, rolling of sod, sanding seams for





		<b>Exterior Improvements</b>	<b>32</b>
		Planting	32 90
		Turf and Grasses	32 92

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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(up to 16" wide by 24" long) squares or (up to 24" wide by 54" long) rolls and initial watering within 2 hours after planting.

<b>32 92 23 00-0001</b>	<b>Bermuda Sod</b> <small>(32 92 23)</small>	
32 92 23 00-0002	MSF Up To 1,000 SF, Bermuda Sod, Installed On Level Ground.....	1,581.02
32 92 23 00-0003	MSF >1,000 To 4,000 SF, Bermuda Sod, Installed On Level Ground.....	1,321.73
32 92 23 00-0004	MSF >4,000 To 8,000 SF, Bermuda Sod, Installed On Level Ground.....	1,124.03
32 92 23 00-0005	MSF >8,000 SF, Bermuda Sod, Installed On Level Ground.....	978.36
32 92 23 00-0006	MSF Up To 1,000 SF, Bermuda Sod, Installed On Sloped (>1:6) Ground With Stakes.....	1,907.24
32 92 23 00-0007	MSF >1,000 To 4,000 SF, Bermuda Sod, Installed On Sloped (>1:6) Ground With Stakes.....	1,597.76
32 92 23 00-0008	MSF >4,000 To 8,000 SF, Bermuda Sod, Installed On Sloped (>1:6) Ground With Stakes.....	1,314.45
32 92 23 00-0009	MSF >8,000 SF, Bermuda Sod, Installed On Sloped (>1:6) Ground With Stakes.....	1,140.30

<b>32 92 23 00-0010</b>	<b>Zoysia Sod</b> <small>(32 92 23)</small>	
32 92 23 00-0011	MSF Up To 1,000 SF, Zoysia Sod, Installed On Level Ground.....	2,349.07
32 92 23 00-0012	MSF >1,000 To 4,000 SF, Zoysia Sod, Installed On Level Ground.....	1,896.01
32 92 23 00-0013	MSF >4,000 To 8,000 SF, Zoysia Sod, Installed On Level Ground.....	1,602.59
32 92 23 00-0014	MSF >8,000 SF, Zoysia Sod, Installed On Level Ground.....	1,361.21
32 92 23 00-0015	MSF Up To 1,000 SF, Zoysia Sod, Installed On Sloped (>1:6) Ground With Stakes.....	2,672.94
32 92 23 00-0016	MSF >1,000 To 4,000 SF, Zoysia Sod, Installed On Sloped (>1:6) Ground With Stakes.....	2,172.04
32 92 23 00-0017	MSF >4,000 To 8,000 SF, Zoysia Sod, Installed On Sloped (>1:6) Ground With Stakes.....	1,793.01
32 92 23 00-0018	MSF >8,000 SF, Zoysia Sod, Installed On Sloped (>1:6) Ground With Stakes.....	1,523.15

<b>32 92 23 00-0019</b>	<b>Tall Fescue Sod</b> <small>(32 92 23)</small>	
32 92 23 00-0020	MSF Up To 1,000 SF, Tall Fescue Sod, Installed On Level Ground.....	2,237.20
	<i>For Hybrid Fescue "Marathon", Add</i>	155.03
32 92 23 00-0021	MSF >1,000 To 4,000 SF, Tall Fescue Sod, Installed On Level Ground.....	1,812.10
	<i>For Hybrid Fescue "Marathon", Add</i>	116.80
32 92 23 00-0022	MSF >4,000 To 8,000 SF, Tall Fescue Sod, Installed On Level Ground.....	1,532.67
	<i>For Hybrid Fescue "Marathon", Add</i>	97.69
32 92 23 00-0023	MSF >8,000 SF, Tall Fescue Sod, Installed On Level Ground.....	1,305.27
	<i>For Hybrid Fescue "Marathon", Add</i>	78.58
32 92 23 00-0024	MSF Up To 1,000 SF, Tall Fescue Sod, Installed On Sloped (>1:6) Ground With Stakes.....	2,561.07
	<i>For Hybrid Fescue "Marathon", Add</i>	155.03
32 92 23 00-0025	MSF >1,000 To 4,000 SF, Tall Fescue Sod, Installed On Sloped (>1:6) Ground With Stakes.....	2,088.13
	<i>For Hybrid Fescue "Marathon", Add</i>	116.80
32 92 23 00-0026	MSF >4,000 To 8,000 SF, Tall Fescue Sod, Installed On Sloped (>1:6) Ground With Stakes.....	1,723.09
	<i>For Hybrid Fescue "Marathon", Add</i>	97.69
32 92 23 00-0027	MSF >8,000 SF, Tall Fescue Sod, Installed On Sloped (>1:6) Ground With Stakes.....	1,467.21
	<i>For Hybrid Fescue "Marathon", Add</i>	78.58

<b>32 92 23 00-0028</b>	<b>Centipede Sod</b> <small>(32 92 23)</small>	
32 92 23 00-0029	MSF Up To 1,000 SF, Centipede Sod, Installed On Level Ground.....	2,053.07
32 92 23 00-0030	MSF >1,000 To 4,000 SF, Centipede Sod, Installed On Level Ground.....	1,674.01
32 92 23 00-0031	MSF >4,000 To 8,000 SF, Centipede Sod, Installed On Level Ground.....	1,417.59
32 92 23 00-0032	MSF >8,000 SF, Centipede Sod, Installed On Level Ground.....	1,213.21
32 92 23 00-0033	MSF Up To 1,000 SF, Centipede Sod, Installed On Sloped (>1:6) Ground With Stakes.....	2,376.94
32 92 23 00-0034	MSF >1,000 To 4,000 SF, Centipede Sod, Installed On Sloped (>1:6) Ground With Stakes.....	1,950.04
32 92 23 00-0035	MSF >4,000 To 8,000 SF, Centipede Sod, Installed On Sloped (>1:6) Ground With Stakes.....	1,608.01
32 92 23 00-0036	MSF >8,000 SF, Centipede Sod, Installed On Sloped (>1:6) Ground With Stakes.....	1,375.15

<b>32 92 23 00-0037</b>	<b>Kentucky Blue Grass Sod</b> <small>(32 92 23)</small>	
32 92 23 00-0038	MSF Up To 1,000 SF, Kentucky Blue Grass Sod, Installed On Level Ground.....	1,948.69
32 92 23 00-0039	MSF >1,000 To 4,000 SF, Kentucky Blue Grass Sod, Installed On Level Ground.....	1,595.73
32 92 23 00-0040	MSF >4,000 To 8,000 SF, Kentucky Blue Grass Sod, Installed On Level Ground.....	1,352.35
32 92 23 00-0041	MSF >8,000 SF, Kentucky Blue Grass Sod, Installed On Level Ground.....	1,161.02
32 92 23 00-0042	MSF Up To 1,000 SF, Kentucky Blue Grass Sod, Installed On Sloped (>1:6) Ground With Stakes.....	2,272.56
32 92 23 00-0043	MSF >1,000 To 4,000 SF, Kentucky Blue Grass Sod, Installed On Sloped (>1:6) Ground With Stakes.....	1,871.76
32 92 23 00-0044	MSF >4,000 To 8,000 SF, Kentucky Blue Grass Sod, Installed On Sloped (>1:6) Ground With Stakes.....	1,542.77
32 92 23 00-0045	MSF >8,000 SF, Kentucky Blue Grass Sod, Installed On Sloped (>1:6) Ground With Stakes.....	1,322.96

<b>32 92 23 00-0046</b>	<b>Ballfield Mix 2A Sod 10% Bermuda Shorts, 10% Barclay, 80% Turfstar</b> <small>(32 92 23)</small>	
32 92 23 00-0047	MSF Up To 1,000 SF, Ballfield Mix 2A Sod, Installed On Level Ground.....	1,792.12
32 92 23 00-0048	MSF >1,000 To 4,000 SF, Ballfield Mix 2A Sod, Installed On Level Ground.....	1,478.30
32 92 23 00-0049	MSF >4,000 To 8,000 SF, Ballfield Mix 2A Sod, Installed On Level Ground.....	1,254.50
32 92 23 00-0050	MSF >8,000 SF, Ballfield Mix 2A Sod, Installed On Level Ground.....	1,082.74
32 92 23 00-0051	MSF Up To 1,000 SF, Ballfield Mix 2A Sod, Installed On Sloped (>1:6) Ground With Stakes.....	2,115.99
32 92 23 00-0052	MSF >1,000 To 4,000 SF, Ballfield Mix 2A Sod, Installed On Sloped (>1:6) Ground With Stakes.....	1,754.33
32 92 23 00-0053	MSF >4,000 To 8,000 SF, Ballfield Mix 2A Sod, Installed On Sloped (>1:6) Ground With Stakes.....	1,444.92
32 92 23 00-0054	MSF >8,000 SF, Ballfield Mix 2A Sod, Installed On Sloped (>1:6) Ground With Stakes.....	1,244.68

<b>32 92 23 00-0055</b>	<b>GN-1 Sod</b> <small>(32 92 23)</small>	
32 92 23 00-0056	MSF Up To 1,000 SF, GN-1 Sod, Installed On Level Ground.....	2,334.09
32 92 23 00-0057	MSF >1,000 To 4,000 SF, GN-1 Sod, Installed On Level Ground.....	1,884.78
32 92 23 00-0058	MSF >4,000 To 8,000 SF, GN-1 Sod, Installed On Level Ground.....	1,593.23
32 92 23 00-0059	MSF >8,000 SF, GN-1 Sod, Installed On Level Ground.....	1,353.72

**32 Exterior Improvements****32 90 Planting****32 92 Turf and Grasses**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

32 92 23 00-0060	MSF	Up To 1,000 SF, GN-1 Sod, Installed On Sloped (>1:6) Ground With Stakes .....	2,657.96
32 92 23 00-0061	MSF	>1,000 To 4,000 SF, GN-1 Sod, Installed On Sloped (>1:6) Ground With Stakes .....	2,160.81
32 92 23 00-0062	MSF	>4,000 To 8,000 SF, GN-1 Sod, Installed On Sloped (>1:6) Ground With Stakes .....	1,783.65
32 92 23 00-0063	MSF	>8,000 SF, GN-1 Sod, Installed On Sloped (>1:6) Ground With Stakes .....	1,515.66

**32 92 23 00-0064 Tifgreen Bermuda Sod** (32 92 23)

32 92 23 00-0065	MSF	Up To 1,000 SF, Tifgreen Bermuda Sod, Installed On Level Ground .....	2,452.52
32 92 23 00-0066	MSF	>1,000 To 4,000 SF, Tifgreen Bermuda Sod, Installed On Level Ground .....	1,973.60
32 92 23 00-0067	MSF	>4,000 To 8,000 SF, Tifgreen Bermuda Sod, Installed On Level Ground .....	1,667.25
32 92 23 00-0068	MSF	>8,000 SF, Tifgreen Bermuda Sod, Installed On Level Ground .....	1,412.94
32 92 23 00-0069	MSF	Up To 1,000 SF, Tifgreen Bermuda Sod, Installed On Sloped (>1:6) Ground With Stakes .....	2,776.39
32 92 23 00-0070	MSF	>1,000 To 4,000 SF, Tifgreen Bermuda Sod, Installed On Sloped (>1:6) Ground With Stakes .....	2,249.63
32 92 23 00-0071	MSF	>4,000 To 8,000 SF, Tifgreen Bermuda Sod, Installed On Sloped (>1:6) Ground With Stakes .....	1,857.67
32 92 23 00-0072	MSF	>8,000 SF, Tifgreen Bermuda Sod, Installed On Sloped (>1:6) Ground With Stakes .....	1,574.88

**32 93 Plants** (32 90)**32 93 13 Ground Covers** (32 93)

Note: Materials only. See CSI section 32 93 83 00-0057 for installation and planting of ground cover.

**32 93 13 00-0001 Ground Covers** (32 93 13)

32 93 13 00-0002	EA	1 Quart Baccharis Pilularis - Dwarf Coyote Bush .....	11.25
32 93 13 00-0003	EA	1 Gallon Baccharis Pilularis - Dwarf Coyote Bush .....	19.49
32 93 13 00-0004	EA	1 Quart Carex 'Bowles Golden' - Variegated Japanese Sedge .....	39.74
32 93 13 00-0005	EA	1 Gallon Carex 'Bowles Golden' - Variegated Japanese Sedge .....	51.73
32 93 13 00-0006	EA	2 Gallon Juniperus horizontalis 'Plumosa Compacta' - Andorra Creeping Juniper .....	65.48
32 93 13 00-0007	EA	1 Quart Waldsteinia ternata - Barren Strawberry .....	11.25
32 93 13 00-0008	EA	1 Gallon Waldsteinia ternata - Barren Strawberry .....	26.99
32 93 13 00-0009	EA	1 Gallon Cotoneaster dammeri - Bearberry Cotoneaster .....	36.74
32 93 13 00-0010	EA	2 Gallon Cotoneaster dammeri - Bearberry Cotoneaster .....	69.72
32 93 13 00-0011	EA	5 Gallon Cotoneaster dammeri - Bearberry Cotoneaster .....	122.95
32 93 13 00-0012	EA	1 Gallon Liriope muscari 'Big Blue' - Big Blue Liriope .....	12.58
32 93 13 00-0013	EA	1 Gallon Distictis buccinatoria - Blood Red Trumpet Vine .....	23.24
32 93 13 00-0014	EA	5 Gallon Distictis buccinatoria - Blood Red Trumpet Vine .....	81.72
32 93 13 00-0015	EA	1 Gallon Juniperus horizontalis 'Wiltoni' - Blue Rug Juniper .....	30.51
32 93 13 00-0016	EA	4" Pot Parthenocissus tricuspidata - Boston Ivy .....	14.99
32 93 13 00-0017	EA	1 Gallon Parthenocissus tricuspidata - Boston Ivy .....	34.19
32 93 13 00-0018	EA	5 Gallon Parthenocissus tricuspidata - Boston Ivy .....	93.56
32 93 13 00-0019	EA	3 Gallon Bougainvillea spectabilis - Bougainvillea .....	39.32
32 93 13 00-0020	EA	1 Quart Iberis sempervirens - Candytuft .....	11.25
32 93 13 00-0021	EA	1 Gallon Iberis sempervirens - Candytuft .....	26.99
32 93 13 00-0022	EA	1 Gallon Gelsemium sempervirens - Carolina Jessamine .....	32.39
32 93 13 00-0023	EA	5 Gallon Gelsemium sempervirens - Carolina Jessamine .....	116.96
32 93 13 00-0024	EA	3" Pot Ajuga reptans - Carpet Bugle .....	6.75
32 93 13 00-0025	EA	1 Quart Ajuga reptans - Carpet Bugle .....	11.24
32 93 13 00-0026	EA	1 Gallon Ajuga reptans - Carpet Bugle .....	26.99
32 93 13 00-0027	EA	24 Plant Flat Ajuga reptans - Carpet Bugle .....	116.20
32 93 13 00-0028	EA	1 Gallon Macfadyena unguis-cati - Cat Claw Vine .....	26.99
32 93 13 00-0029	EA	5 Gallon Macfadyena unguis-cati - Cat Claw Vine .....	116.96
32 93 13 00-0030	EA	1 Gallon Wisteria sinensis - Chinese Wisteria Vine .....	35.24
32 93 13 00-0031	EA	3 Gallon Wisteria sinensis - Chinese Wisteria Vine .....	77.97
32 93 13 00-0032	EA	5 Gallon Wisteria sinensis - Chinese Wisteria Vine .....	116.95
32 93 13 00-0033	EA	1 Gallon Ranunculaceae - Clematis Varieties .....	38.74
32 93 13 00-0034	EA	2 Gallon Ranunculaceae - Clematis Varieties .....	71.64
32 93 13 00-0035	EA	1 Gallon Hydrangea petiolaris - Climbing Hydrangea .....	48.73
32 93 13 00-0036	EA	2 Gallon Hydrangea petiolaris - Climbing Hydrangea .....	91.47
32 93 13 00-0037	EA	5 Gallon Hydrangea petiolaris - Climbing Hydrangea .....	149.94
32 93 13 00-0038	EA	4" Pot Lantana camera - Common Lantana .....	6.75
32 93 13 00-0039	EA	1 Gallon Lantana camera - Common Lantana .....	19.49
32 93 13 00-0040	EA	1 Gallon Gardenia jasminoides 'Radicans' - Creeping Gardenia .....	23.24
32 93 13 00-0041	EA	5 Gallon Gardenia jasminoides 'Radicans' - Creeping Gardenia .....	76.47
32 93 13 00-0042	EA	2 Quart Lysimachia nummularia - Creeping Jenny .....	11.25
32 93 13 00-0043	EA	1 Gallon Lysimachia nummularia - Creeping Jenny .....	21.74
32 93 13 00-0044	EA	2 Quart Liriope spicata - Creeping Lilytuft .....	19.49
32 93 13 00-0045	EA	1 Gallon Liriope spicata - Creeping Lilytuft .....	35.24
32 93 13 00-0046	EA	5 Gallon Liriope spicata - Creeping Lilytuft .....	74.22
32 93 13 00-0047	EA	Bare Root Liriope spicata - Creeping Liriope .....	4.91
32 93 13 00-0048	EA	3" Pot Rosmarinus officinalis 'Prostratus' - Creeping Rosemary .....	6.75
32 93 13 00-0049	EA	1 Gallon Rosmarinus officinalis 'Prostratus' - Creeping Rosemary .....	26.99
32 93 13 00-0050	EA	2-1/4" Pot Securigera varia - Crown Vetch .....	4.50
32 93 13 00-0051	EA	50 Plant Flat Securigera varia - Crown Vetch .....	152.19
32 93 13 00-0052	EA	1 Quart Senecio cineraria - Dusty Miller .....	11.25
32 93 13 00-0053	EA	1 Gallon Senecio cineraria - Dusty Miller .....	26.99
32 93 13 00-0054	EA	2 Gallon Aristolochia macrophylla - Dutchman's Pipe .....	93.71
32 93 13 00-0055	EA	5 Gallon Aristolochia macrophylla - Dutchman's Pipe .....	171.68
32 93 13 00-0056	EA	1 Gallon Ilex cornuta - Dwarf Holly .....	20.36
32 93 13 00-0057	EA	3 Gallon Ilex cornuta - Dwarf Holly .....	43.64
32 93 13 00-0058	EA	3 Gallon Rhampholepis umbellata 'Minor' - Dwarf Indian Hawthorn .....	43.64
32 93 13 00-0059	EA	1 Gallon Tradescantia spathacea - Dwarf Oyster Plant .....	14.54



		<b>Exterior Improvements</b>	<b>32</b>
		Planting	32 90
		Plants	32 93

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93	13 00-0060	EA	2" To 3" Pot Hedera helix - English Ivy .....	6.75	
32 93	13 00-0061	EA	12" To 15" Runners Hedera helix - English Ivy .....	11.25	
32 93	13 00-0062	EA	1 Gallon Hedera helix - English Ivy .....	26.99	
32 93	13 00-0063	EA	50 Plant Flat Hedera helix - English Ivy .....	155.94	
32 93	13 00-0064	EA	4" Pot Lavandula angustifolia - English Lavender .....	9.75	
32 93	13 00-0065	EA	1 Quart Lavandula angustifolia - English Lavender .....	18.74	
32 93	13 00-0066	EA	1 Gallon Lavandula angustifolia - English Lavender .....	30.74	
32 93	13 00-0067	EA	1 Gallon Euonymus fortunei 'Kewensis' - Wintercreeper .....	29.24	
32 93	13 00-0068	EA	2 Gallon Euonymus fortunei 'Kewensis' - Wintercreeper .....	58.48	
32 93	13 00-0069	EA	1 Quart Arundo donax - Giant Reed .....	35.99	
32 93	13 00-0070	EA	1 Gallon Arundo donax - Giant Reed .....	51.73	
32 93	13 00-0071	EA	1 Gallon Lonicera x heckrottii - Gold Flame Honeysuckle .....	30.74	
32 93	13 00-0072	EA	2 Gallon Lonicera x heckrottii - Gold Flame Honeysuckle .....	58.48	
32 93	13 00-0073	EA	1 Quart Hakonechloa macra 'Aureola' - Golden Variegated Hakone Grass .....	39.74	
32 93	13 00-0074	EA	1 Gallon Hakonechloa macra 'Aureola' - Golden Variegated Hakone Grass .....	59.98	
32 93	13 00-0075	EA	3" Pot Lonicera japonica 'Halliana' - Hall's Japanese Honeysuckle .....	6.75	
32 93	13 00-0076	EA	1 Gallon Lonicera japonica 'Halliana' - Hall's Japanese Honeysuckle .....	30.74	
32 93	13 00-0077	EA	2 Gallon Lonicera japonica 'Halliana' - Hall's Japanese Honeysuckle .....	58.48	
32 93	13 00-0078	EA	1 Gallon Hardenbergia violacea - Happy Wanderer .....	26.99	
32 93	13 00-0079	EA	5 Gallon Hardenbergia violacea - Happy Wanderer .....	89.97	
32 93	13 00-0080	EA	3 Gallon Hibiscus, Assorted Colors .....	35.16	
32 93	13 00-0081	EA	1 Gallon Acorus gramineus - Japanese Sweet Flag .....	28.12	
32 93	13 00-0082	EA	1 Gallon Jasminum volubile - Wax Jasmine .....	14.16	
32 93	13 00-0083	EA	1 Gallon Jasminum volubile - Wax Jasmine .....	35.16	
32 93	13 00-0084	EA	1 Gallon Juniperus davurica 'Parsonii' - Parson's Juniper .....	17.66	
32 93	13 00-0085	EA	3 Gallon Juniperus davurica 'Parsonii' - Parson's Juniper .....	39.32	
32 93	13 00-0086	EA	1 Gallon Cissus antarctica - Kangaroo Vine .....	21.74	
32 93	13 00-0087	EA	5 Gallon Cissus antarctica - Kangaroo Vine .....	68.22	
32 93	13 00-0088	EA	1 Quart Stachys byzantina - Lamb's Ear .....	11.25	
32 93	13 00-0089	EA	1 Quart Stachys byzantina - Lamb's Ear .....	26.99	
32 93	13 00-0090	EA	1 Gallon Lantana spp. Various Colors .....	15.91	
32 93	13 00-0091	EA	1 Gallon Lantana sellowiana - Trailing Lantana .....	10.47	
32 93	13 00-0092	EA	1 Gallon Cocculus laurifolius - Laurel-leaf Snailseed .....	21.74	
32 93	13 00-0093	EA	5 Gallon Cocculus laurifolius - Laurel-leaf Snailseed .....	77.97	
32 93	13 00-0094	EA	1 Gallon Liriope Evergreen Giant, 6 To 8 Bibs Minimum .....	15.91	
32 93	13 00-0095	EA	1 Gallon Variegated Liriope Evergreen Giant, 6 To 8 Bibs Minimum .....	20.08	
32 93	13 00-0096	EA	3 Gallon Variegated Liriope Evergreen Giant, 6 To 8 Bibs Minimum .....	32.10	
32 93	13 00-0097	EA	1 Quart Moss Phlox, Creeping Phlox .....	11.25	
32 93	13 00-0098	EA	1 Gallon Moss Phlox, Creeping Phlox .....	26.99	
32 93	13 00-0099	EA	1 Gallon Nephrolepis exaltata - Common Boston Fern .....	14.16	
32 93	13 00-0100	EA	4" Pot Ophiopogon Japonicus - Mondo grass .....	6.75	
32 93	13 00-0101	EA	1 Gallon Ophiopogon Japonicus - Mondo grass .....	26.99	
32 93	13 00-0102	EA	5 Gallon Ophiopogon Japonicus - Mondo grass .....	62.23	
32 93	13 00-0103	EA	2' To 3' High Oregon Holly-Grape .....	31.16	
32 93	13 00-0104	EA	1 Gallon Pachysandra terminalis - Pachysandra .....	40.59	
32 93	13 00-0105	EA	2-1/4" Pot Vinca minor - Periwinkle .....	3.75	
32 93	13 00-0106	EA	4" Pot Vinca minor - Periwinkle .....	11.25	
32 93	13 00-0107	EA	Bare Root Vinca minor - Periwinkle .....	3.75	
32 93	13 00-0108	EA	1 Quart Nepeta mussinii - Persian Catmint .....	11.25	
32 93	13 00-0109	EA	1 Gallon Nepeta mussinii - Persian Catmint .....	23.24	
32 93	13 00-0110	EA	1 Gallon Coprosma kirkii - Prostrate Coprosma .....	18.74	
32 93	13 00-0111	EA	5 Gallon Coprosma kirkii - Prostrate Coprosma .....	68.22	
32 93	13 00-0112	EA	1 Gallon Juniperus Horizontalis - Prostrate Juniper .....	30.74	
32 93	13 00-0113	EA	3 Gallon Juniperus Horizontalis - Prostrate Juniper .....	65.97	
32 93	13 00-0114	EA	5 Gallon Juniperus Horizontalis - Prostrate Juniper .....	97.46	
32 93	13 00-0115	EA	1 Quart Euonymus fortunei 'Coloratus' - Purple-leaf Wintercreeper .....	26.77	
32 93	13 00-0116	EA	1 Gallon Euonymus fortunei 'Coloratus' - Purple-leaf Wintercreeper .....	69.37	
32 93	13 00-0117	EA	24 Plant Flat Euonymus fortunei 'Coloratus' - Purple-leaf Wintercreeper .....	116.21	
32 93	13 00-0118	EA	1 Gallon Tradescantia spathacea - Rhoeo Discolor "Dwarf" .....	14.16	
32 93	13 00-0119	EA	1 Quart Festuca glauca 'Sea Urchin' - Sea Urchin Blue Fescue .....	15.74	
32 93	13 00-0120	EA	1 Gallon Festuca glauca 'Sea Urchin' - Sea Urchin Blue Fescue .....	28.12	
32 93	13 00-0121	EA	2 Gallon Festuca glauca 'Sea Urchin' - Sea Urchin Blue Fescue .....	43.86	
32 93	13 00-0122	EA	1 Gallon Hymenocallis latifolia - Spider Lily .....	17.45	
32 93	13 00-0123	EA	3 Gallon Hymenocallis latifolia - Spider Lily .....	46.54	
32 93	13 00-0124	EA	1 Quart Hypericum perforatum - St. John's Wort .....	11.25	
32 93	13 00-0125	EA	1 Gallon Hypericum perforatum - St. John's Wort .....	26.99	
32 93	13 00-0126	EA	5 Gallon Hypericum perforatum - St. John's Wort .....	69.72	
32 93	13 00-0127	EA	24" To 30" High Viburnum awabuki - Sweet Viburnum .....	94.89	
32 93	13 00-0128	EA	1 Gallon Campsis radicans - Trumpet Creeper .....	41.23	
32 93	13 00-0129	EA	2 Gallon Campsis radicans - Trumpet Creeper .....	62.23	
32 93	13 00-0130	EA	5 Gallon Campsis radicans - Trumpet Creeper .....	149.94	
32 93	13 00-0131	EA	2-1/4" Pot Vinca major - Variegated Greater Periwinkle .....	3.75	
32 93	13 00-0132	EA	4" Pot Vinca major - Variegated Greater Periwinkle .....	11.25	
32 93	13 00-0133	EA	Bare Root Vinca major - Variegated Greater Periwinkle .....	3.75	
32 93	13 00-0134	EA	1 Quart Carex hachijoensis - Variegated Japanese Sedge .....	20.24	
32 93	13 00-0135	EA	1 Gallon Carex hachijoensis - Variegated Japanese Sedge .....	28.12	
32 93	13 00-0136	EA	2 Gallon Carex hachijoensis - Variegated Japanese Sedge .....	43.86	
32 93	13 00-0137	EA	1 Gallon Liriope muscari 'Variegata' - Variegated Lilyturf .....	30.74	
32 93	13 00-0138	EA	2 Quart Verbena peruviana "St. Paul" - St. Paul Verbena .....	14.24	
32 93	13 00-0139	EA	1 Gallon Verbena peruviana "St. Paul" - St. Paul Verbena .....	21.74	
32 93	13 00-0140	EA	48 Plant Flat Vinca minor - Lesser Periwinkle .....	133.63	

**32 Exterior Improvements****32 90 Planting****32 93 Plants**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

32 93 13 00-0141	EA	3" Pot Parthenocissus quinquefolia - Virginia Creeper	6.75
32 93 13 00-0142	EA	1 Gallon Parthenocissus quinquefolia - Virginia Creeper	35.24
32 93 13 00-0143	EA	1 Gallon Jasminum polyanthum - Winter Jasmine	26.99
32 93 13 00-0144	EA	2 Gallon Jasminum polyanthum - Winter Jasmine	53.98
32 93 13 00-0145	EA	5 Gallon Jasminum polyanthum - Winter Jasmine	93.71
32 93 13 00-0146	EA	1 Gallon Cistaceae - Wrinkleleaf Rock Rose	21.74
32 93 13 00-0147	EA	5 Gallon Cistaceae - Wrinkleleaf Rock Rose	74.22
32 93 13 00-0148	EA	Flat Hedera canariensis - Algerian Ivy	24.92
32 93 13 00-0149	EA	2-1/2" Pot Hedera canariensis - Algerian Ivy	6.58
32 93 13 00-0150	EA	Flat Gazania 'Copper King'	20.43
32 93 13 00-0151	EA	1 Gallon Gazania 'Copper King'	6.98
32 93 13 00-0152	EA	Flat Myoporum parvifolium - Myoporum	24.92
32 93 13 00-0153	EA	1 Gallon Myoporum parvifolium - Myoporum	6.98
32 93 13 00-0154	EA	5 Gallon Myoporum parvifolium - Myoporum	19.93
32 93 13 00-0155	EA	1 Gallon Lantana montevidensis - Purple Lantana	6.98
32 93 13 00-0156	EA	5 Gallon Lantana montevidensis - Purple Lantana	19.93
32 93 13 00-0157	EA	Flat Carpobrotus - Ice Plant	18.94
32 93 13 00-0158	EA	1 Gallon Carpobrotus - Ice Plant	7.97

**32 93 13 00-0159 Ornamental Grasses** (32 93 13)

32 93 13 00-0160	EA	1 Gallon, Cortaderia selloana - Pampas Grass	32.44
32 93 13 00-0161	EA	2 Gallon, Cortaderia selloana - Pampas Grass	59.97
32 93 13 00-0162	EA	3 Gallon, Cortaderia selloana - Pampas Grass	108.99
32 93 13 00-0163	EA	5 Gallon, Cortaderia selloana - Pampas Grass	198.37
32 93 13 00-0164	EA	1 Quart, Imperata cylindrica - Japanese Blood Grass	24.83
32 93 13 00-0165	EA	1 Gallon, Imperata cylindrica - Japanese Blood Grass	33.02
32 93 13 00-0166	EA	2 Gallon, Imperata cylindrica - Japanese Blood Grass	35.34
32 93 13 00-0167	EA	1 Quart, Koeleria glauca - Blue Hair Grass	24.77
32 93 13 00-0168	EA	1 Gallon, Koeleria glauca - Blue Hair Grass	33.02
32 93 13 00-0169	EA	3 Gallon, Koeleria glauca - Blue Hair Grass	79.89
32 93 13 00-0170	EA	1 Gallon, Miscanthus sinensis 'Gracillimus' - Maiden Grass	31.35
32 93 13 00-0171	EA	3 Gallon, Miscanthus sinensis 'Gracillimus' - Maiden Grass	40.63
32 93 13 00-0172	EA	5 Gallon, Miscanthus sinensis 'Gracillimus' - Maiden Grass	77.68
32 93 13 00-0173	EA	1 Gallon, Miscanthus sinensis 'Zebrinus' - Zebra Grass	29.10
32 93 13 00-0174	EA	3 Gallon, Miscanthus sinensis 'Zebrinus' - Zebra Grass	45.75
32 93 13 00-0175	EA	5 Gallon, Miscanthus sinensis 'Zebrinus' - Zebra Grass	78.29
32 93 13 00-0176	EA	1 Quart, Pennisetum setaceum - Fountain Grass	27.09
32 93 13 00-0177	EA	1 Gallon, Pennisetum setaceum - Fountain Grass	68.91
32 93 13 00-0178	EA	3 Gallon, Pennisetum setaceum - Fountain Grass	90.84
32 93 13 00-0179	EA	1 Gallon, Saccharum ravennae - Ravenna Grass	85.76
32 93 13 00-0180	EA	3 Gallon, Saccharum ravennae - Ravenna Grass	96.34
32 93 13 00-0181	EA	7 Gallon, Saccharum ravennae - Ravenna Grass	158.94
32 93 13 00-0182	EA	1 Gallon, Spartina pectinata - Variegated Cord Grass	46.57
32 93 13 00-0183	EA	2 Gallon, Spartina pectinata - Variegated Cord Grass	69.69
32 93 13 00-0184	EA	1 Quart, Stipa gigantea - Giant Feather Grass	35.55
32 93 13 00-0185	EA	1 Gallon, Stipa gigantea - Giant Feather Grass	49.53

**32 93 23 Plants and Bulbs** (32 93)

Note: Materials only. See CSI section 32 93 83 00-0057 for installation and planting of bulbs and annuals.

**32 93 23 00-0001 Perennials** (32 93 23)

32 93 23 00-0002	EA	2 Quart Assorted Daylilies	21.74
32 93 23 00-0003	EA	1 Gallon Assorted Daylilies	30.74
32 93 23 00-0004	EA	2 Gallon Assorted Daylilies	50.98
32 93 23 00-0005	EA	1 Quart Azure Penstemon	11.24
32 93 23 00-0006	EA	1 Gallon Azure Penstemon	28.11
32 93 23 00-0007	EA	1 Quart Balloon Flower	11.24
32 93 23 00-0008	EA	1 Gallon Balloon Flower	28.11
32 93 23 00-0009	EA	1 Quart Black-eyed Susan	11.24
32 93 23 00-0010	EA	1 Gallon Black-eyed Susan	28.11
32 93 23 00-0011	EA	2 Gallon Black-eyed Susan	36.36
32 93 23 00-0012	EA	1 Quart Blackberry Lily	11.24
32 93 23 00-0013	EA	1 Gallon Blackberry Lily	28.11
32 93 23 00-0014	EA	1 Quart Blank Flower	11.24
32 93 23 00-0015	EA	1 Gallon Blank Flower	25.87
32 93 23 00-0016	EA	2 Gallon Blank Flower	36.36
32 93 23 00-0017	EA	1 Quart Blazing Star, Gayfeather	11.24
32 93 23 00-0018	EA	1 Gallon Blazing Star, Gayfeather	28.11
32 93 23 00-0019	EA	1 Quart Bloodred Geranium	19.12
32 93 23 00-0020	EA	1 Gallon Bloodred Geranium	32.24
32 93 23 00-0021	EA	1 Quart Blue Plumbago	11.24
32 93 23 00-0022	EA	1 Gallon Blue Plumbago	28.11
32 93 23 00-0023	EA	1 Quart Blue Star	20.24
32 93 23 00-0024	EA	1 Gallon Blue Star	32.24
32 93 23 00-0025	EA	1 Quart Cardinal Flower	11.24
32 93 23 00-0026	EA	1 Gallon Cardinal Flower	28.11
32 93 23 00-0027	EA	4" Pot Columbine	6.75
32 93 23 00-0028	EA	1 Quart Columbine	11.24
32 93 23 00-0029	EA	1 Gallon Columbine	28.11



		<b>Exterior Improvements</b>	<b>32</b>
		Planting	32 90
		Plants	32 93

MINOR CSI UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 23 00-0030	EA 1 Quart Common Globeflower .....	11.24	
32 93 23 00-0031	EA 1 Gallon Common Globeflower .....	28.11	
32 93 23 00-0032	EA 1 Quart Cottage Pink, Scotch Pink .....	11.24	
32 93 23 00-0033	EA 1 Quart Cottage Pink, Scotch Pink .....	28.11	
32 93 23 00-0034	EA 1 Gallon Astilbe 'Deutschland' .....	40.49	
32 93 23 00-0035	EA 1 Quart Diploid .....	14.25	
32 93 23 00-0036	EA 1 Gallon Diploid .....	32.24	
32 93 23 00-0037	EA 3 Gallon Diploid .....	55.48	
32 93 23 00-0038	EA 4" Pot Dune Sunflower .....	16.05	
32 93 23 00-0039	EA 1 Quart Evans Begonia .....	20.24	
32 93 23 00-0040	EA 1 Gallon Evans Begonia .....	36.36	
32 93 23 00-0041	EA 1 Quart False Dragonhead .....	11.24	
32 93 23 00-0042	EA 1 Gallon False Dragonhead .....	28.11	
32 93 23 00-0043	EA 1 Quart False Spirea .....	11.24	
32 93 23 00-0044	EA 1 Gallon False Spirea .....	36.36	
32 93 23 00-0045	EA 3 Gallon False Spirea .....	50.23	
32 93 23 00-0046	EA 2 Quart False Sunflower .....	17.99	
32 93 23 00-0047	EA 1 Gallon False Sunflower .....	28.11	
32 93 23 00-0048	EA 2 Gallon False Sunflower .....	36.36	
32 93 23 00-0049	EA 1 Gallon Foxglove .....	25.87	
32 93 23 00-0050	EA 2 Gallon Foxglove .....	36.36	
32 93 23 00-0051	EA 3 Gallon Foxglove .....	52.48	
32 93 23 00-0052	EA 1 Gallon Francee Hostas .....	45.53	
32 93 23 00-0053	EA 1 Quart Garden Phlox .....	11.24	
32 93 23 00-0054	EA 1 Gallon Garden Phlox .....	28.11	
32 93 23 00-0055	EA 2 Quart Golden Groundsel .....	23.99	
32 93 23 00-0056	EA 2 Gallon Golden Groundsel .....	48.36	
32 93 23 00-0057	EA 1 Quart Golden Star .....	11.24	
32 93 23 00-0058	EA 1 Gallon Golden Star .....	28.11	
32 93 23 00-0059	EA 1 Quart Goldenrod .....	11.24	
32 93 23 00-0060	EA 1 Gallon Goldenrod .....	28.11	
32 93 23 00-0061	EA 1 Gallon Happy Returns Daylillies .....	52.36	
32 93 23 00-0062	EA 4" Pot Hardy Aster, Michaelmas Daisy .....	6.75	
32 93 23 00-0063	EA 1 Quart Hardy Aster, Michaelmas Daisy .....	11.24	
32 93 23 00-0064	EA 1 Gallon Hardy Aster, Michaelmas Daisy .....	28.11	
32 93 23 00-0065	EA 1 Quart Hardy Chrysanthemum .....	9.75	
32 93 23 00-0066	EA 6" To 8" Pot Hardy Chrysanthemum .....	16.12	
32 93 23 00-0067	EA 1 Gallon Hardy Chrysanthemum .....	25.87	
32 93 23 00-0068	EA 1 Gallon Herbaceous Peony .....	40.11	
32 93 23 00-0069	EA 2 Gallon Herbaceous Peony .....	64.10	
32 93 23 00-0070	EA 3 Gallon Herbaceous Peony .....	84.35	
32 93 23 00-0071	EA 4" Pot Japanese Anemone .....	6.75	
32 93 23 00-0072	EA 1 Quart Japanese Anemone .....	20.24	
32 93 23 00-0073	EA 2 Gallon Japanese Anemone .....	36.36	
32 93 23 00-0074	EA 2" Pot Japanese Spurge .....	4.00	
32 93 23 00-0075	EA 6" Pot Japanese Spurge .....	6.00	
32 93 23 00-0076	EA 1 Gallon Japanese Spurge .....	25.83	
32 93 23 00-0077	EA 1 Quart Oriental Poppy .....	16.12	
32 93 23 00-0078	EA 1 Gallon Oriental Poppy .....	32.24	
32 93 23 00-0079	EA 48 Plant Flat Pachysandra terminalis .....	133.63	
32 93 23 00-0080	EA 1 Gallon Pacific Coast Iris .....	22.12	
32 93 23 00-0081	EA 3 Gallon Pacific Coast Iris .....	41.99	
32 93 23 00-0082	EA 1 Gallon Palace Purple Coral Bells .....	42.57	
32 93 23 00-0083	EA 4" Pot Perennial Salvia .....	6.75	
32 93 23 00-0084	EA 1 Quart Perennial Salvia .....	11.24	
32 93 23 00-0085	EA 1 Gallon Perennial Salvia .....	28.11	
32 93 23 00-0086	EA 1 Quart Pincushion Flower .....	11.24	
32 93 23 00-0087	EA 1 Gallon Pincushion Flower .....	28.11	
32 93 23 00-0088	EA 2 Quart Plantain Lily .....	21.74	
32 93 23 00-0089	EA 1 Gallon Plantain Lily .....	30.74	
32 93 23 00-0090	EA 2 Gallon Plantain Lily .....	50.98	
32 93 23 00-0091	EA 3 Gallon Plantain Lily .....	96.35	
32 93 23 00-0092	EA 2 Quart Purple Coneflower .....	20.24	
32 93 23 00-0093	EA 1 Gallon Purple Coneflower .....	28.11	
32 93 23 00-0094	EA 2 Gallon Purple Coneflower .....	36.36	
32 93 23 00-0095	EA 1 Quart Purple Loosestrife .....	11.24	
32 93 23 00-0096	EA 1 Gallon Purple Loosestrife .....	28.11	
32 93 23 00-0097	EA 1 Quart Rose Mallow .....	22.12	
32 93 23 00-0098	EA 2 Gallon Rose Mallow .....	40.11	
32 93 23 00-0099	EA 3 Gallon Rose Mallow .....	68.60	
32 93 23 00-0100	EA 1 Gallon Autumn Joy Sedum .....	42.86	
32 93 23 00-0101	EA 1 Quart Siberian Iris .....	19.12	
32 93 23 00-0102	EA 2 Gallon Siberian Iris .....	36.36	
32 93 23 00-0103	EA 3 Gallon Siberian Iris .....	50.23	
32 93 23 00-0104	EA 1 Quart Speedwell .....	11.24	
32 93 23 00-0105	EA 1 Gallon Speedwell .....	28.11	
32 93 23 00-0106	EA 1 Quart Tetraploid .....	28.11	
32 93 23 00-0107	EA 1 Gallon Tetraploid .....	52.48	
32 93 23 00-0108	EA 3 Gallon Tetraploid .....	71.60	
32 93 23 00-0109	EA 1 Quart Threadleaf Coreopsis .....	11.24	
32 93 23 00-0110	EA 1 Gallon Threadleaf Coreopsis .....	28.11	

**32 Exterior Improvements****32 90 Planting****32 93 Plants**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 23 00-0111	EA		1 Quart Torch Lily .....	11.24	
32 93 23 00-0112	EA		1 Quart Bluebeard .....	20.24	
32 93 23 00-0113	EA		1 Gallon Bluebeard .....	29.99	
32 93 23 00-0114	EA		2 Gallon Bluebeard .....	43.86	
<b>32 93 23 00-0115</b>			<b>Annuals <small>(32 93 23)</small></b>		
32 93 23 00-0116	EA		2-1/2" Pot Annual Flowers .....	5.22	
32 93 23 00-0117	EA		3" Pot Annual Flowers .....	7.06	
32 93 23 00-0118	EA		4" Pot Annual Flowers .....	15.09	
32 93 23 00-0119	EA		5-1/2" Pot Annual Flowers .....	20.06	
32 93 23 00-0120	EA		6" Pot Annual Flowers .....	39.73	
32 93 23 00-0121	EA		8" Pot Annual Flowers .....	66.21	
32 93 23 00-0122	EA		36 Plant Flat Annual Flowers .....	86.68	
32 93 23 00-0123	EA		48 Plant Flat Annual Flowers .....	98.31	
<b>32 93 23 00-0124</b>			<b>Bulbs <small>(32 93 23)</small></b>		
32 93 23 00-0125	EA		Top Size Allium giganteum - Giant Ornamental Onion .....	18.15	
32 93 23 00-0126	EA		Top Size Allium sphaerocephalum - Drumstick Ornamental Onion .....	1.05	
32 93 23 00-0127	EA		Top Size Crocus Hybrid .....	1.19	
32 93 23 00-0128	EA		Top Size Eranthis hyemalis - Winter Aconite .....	1.54	
32 93 23 00-0129	EA		Top Size Galanthus nivalis - Snowdrops .....	1.95	
32 93 23 00-0130	EA		Top Size Iris reticulata cvs - Dutch Iris .....	0.77	
32 93 23 00-0131	EA		Top Size Muscari armeniacum - Grape Hyacinth .....	0.91	
32 93 23 00-0132	EA		Top Size Muscari latifolium - Grape Hyacinth .....	1.05	
32 93 23 00-0133	EA		Narcissus 'Carlton' - Carlton Daffodil DNI .....	6.28	
32 93 23 00-0134	EA		Narcissus 'Dutch Master' - Dutch Master Daffodil DNI .....	3.00	
32 93 23 00-0135	EA		Narcissus 'February Gold' - February Gold Daffodil DNI .....	3.14	
32 93 23 00-0136	EA		Narcissus 'Ice Follies' - Ice Follies Daffodil DNI .....	3.14	
32 93 23 00-0137	EA		Narcissus 'Mount Hood' - Mount Hood Daffodil DNI .....	3.28	
32 93 23 00-0138	EA		Narcissus 'Papillon Blanc' - Papillon Blanc Daffodil DNI .....	3.49	
32 93 23 00-0139	EA		Narcissus 'Pipit' - Pipit Daffodil DNI .....	3.28	
32 93 23 00-0140	EA		Narcissus 'Salome' - Salome Daffodil DNI .....	3.07	
32 93 23 00-0141	EA		Narcissus 'Tete A Tete' - Tete A Tete Daffodil DNI .....	3.28	
32 93 23 00-0142	EA		Narcissus 'Thalia' - Thalia Daffodil DNI .....	3.28	
32 93 23 00-0143	EA		Top Size Scilla siberica - Siberian Squill .....	0.98	
32 93 23 00-0144	EA		Top Size Tulip 'Angelique' - Angelique Tulip .....	2.79	
32 93 23 00-0145	EA		Top Size Tulip 'Apeldoorn' - Apeldoorn Tulip .....	2.09	
32 93 23 00-0146	EA		Top Size Tulip 'Apricot Beauty' - Apricot Beauty Tulip .....	2.79	
32 93 23 00-0147	EA		Top Size Tulip 'Big Smile' - Big Smile Tulip .....	2.44	
32 93 23 00-0148	EA		Top Size Tulip 'Black Parrot' - Black Parrot Tulip .....	3.49	
32 93 23 00-0149	EA		Top Size Tulip 'Blue Heron' - Blue Heron Tulip .....	2.65	
32 93 23 00-0150	EA		Top Size Tulip 'Cardinal' - Cardinal Tulip .....	2.30	
32 93 23 00-0151	EA		Top Size Tulip 'Christmas Marvel' - Christmas Marvel Tulip .....	2.58	
32 93 23 00-0152	EA		Top Size Tulip clusiana - Species Tulip .....	2.58	
32 93 23 00-0153	EA		Top Size Tulip 'Elizabeth Arden' - Elizabeth Arden Tulip .....	2.58	
32 93 23 00-0154	EA		Top Size Tulip 'Golden Apledoorn' - Golden Apledoorn Tulip .....	2.09	
32 93 23 00-0155	EA		Top Size Tulip 'Golden Emperor' - Golden Emperor Tulip .....	2.02	
32 93 23 00-0156	EA		Top Size Tulip 'Halcro' - Halcro Tulip .....	2.09	
32 93 23 00-0157	EA		Top Size Tulip 'Ivory Floridale' - Ivory Floridale Tulip .....	3.49	
32 93 23 00-0158	EA		Top Size Tulip 'Orange Emperor' - Orange Emperor Tulip .....	2.09	
32 93 23 00-0159	EA		Top Size Tulip 'Passionale' - Passionale Tulip .....	2.79	
32 93 23 00-0160	EA		Top Size Tulip 'Peach Blossom' - Peach Blossom Tulip .....	3.00	
32 93 23 00-0161	EA		Top Size Tulip 'Peer Gynt' - Peer Gynt Tulip .....	3.14	
32 93 23 00-0162	EA		Top Size Tulip 'Pink Diamond' - Pink Diamond Tulip .....	2.51	
32 93 23 00-0163	EA		Top Size Tulip 'Pink Emperor' - Pink Emperor Tulip .....	2.37	
32 93 23 00-0164	EA		Top Size Tulip praetens 'Fusilier' - Praetens Fusilier Tulip .....	2.58	
32 93 23 00-0165	EA		Top Size Tulip 'Princesps' - Princesps Tulip .....	2.58	
32 93 23 00-0166	EA		Top Size Tulip 'Red Riding Hood' - Red Riding Hood Tulip .....	2.02	
32 93 23 00-0167	EA		Top Size Tulip saxatilis - Species Tulip .....	1.40	
32 93 23 00-0168	EA		Top Size Tulip 'Shirley' - Shirley Tulip .....	2.09	
32 93 23 00-0169	EA		Top Size Tulip 'Spring Green' - Spring Green Tulip .....	2.72	
32 93 23 00-0170	EA		Top Size Tulip 'White Emperor' - White Emperor Tulip .....	2.09	
<b>32 93 33</b>			<b>Shrubs <small>(32 93)</small></b>		
			Note: (cvs = cultivar) materials only. See CSI section 32 93 83 00-0033 for installation and planting of shrubs.		
<b>32 93 33 00-0001</b>			<b>Shrubs <small>(32 93 33)</small></b>		
32 93 33 00-0002	EA		1 Gallon Abelia x grandiflora - Abelia .....	16.14	
32 93 33 00-0003	EA		3 Gallon Abelia x grandiflora - Abelia .....	32.87	
32 93 33 00-0004	EA		5 Gallon Abelia x grandiflora - Abelia .....	63.09	
32 93 33 00-0005	EA		1 Gallon Abelia grandiflora 'Edward Goucher' - Pink Abelia .....	9.27	
32 93 33 00-0006	EA		5 Gallon Abelia grandiflora 'Edward Goucher' - Pink Abelia .....	22.92	
32 93 33 00-0007	EA		15 Gallon Abelia grandiflora 'Edward Goucher' - Pink Abelia .....	90.99	
32 93 33 00-0008	EA		3 Gallon Aesculus parviflora 'Rogers' - Rogers Bottlebrush Buckeye .....	92.80	
32 93 33 00-0009	EA		18" Balled and Burlapped, Aesculus parviflora 'Rogers' - Rogers Bottlebrush Buckeye .....	135.63	
32 93 33 00-0010	EA		24" Balled and Burlapped, Aesculus parviflora 'Rogers' - Rogers Bottlebrush Buckeye .....	151.33	
32 93 33 00-0011	EA		30" Balled and Burlapped, Aesculus parviflora 'Rogers' - Rogers Bottlebrush Buckeye .....	191.31	
32 93 33 00-0012	EA		36" Balled and Burlapped, Aesculus parviflora 'Rogers' - Rogers Bottlebrush Buckeye .....	212.72	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0013 EA 18" Balled and Burlapped, Aesculus parviflora - Bottlebrush Buckeye .....	42.83	
32 93 33 00-0014 EA 24" Balled and Burlapped, Aesculus parviflora - Bottlebrush Buckeye .....	57.11	
32 93 33 00-0015 EA 30" Balled and Burlapped, Aesculus parviflora - Bottlebrush Buckeye .....	71.38	
32 93 33 00-0016 EA 1 Gallon Agapanthus 'Peter Pan' - Lily of the Nile .....	9.27	
32 93 33 00-0017 EA 5 Gallon Agapanthus 'Peter Pan' - Lily of the Nile .....	22.92	
32 93 33 00-0018 EA 36" Balled and Burlapped, Aronia arbutifolia & cvs - Red Chokeberry .....	39.42	
32 93 33 00-0019 EA 42" Balled and Burlapped, Aronia arbutifolia & cvs - Red Chokeberry .....	46.38	
32 93 33 00-0020 EA 48" Balled and Burlapped, Aronia arbutifolia & cvs - Red Chokeberry .....	55.65	
32 93 33 00-0021 EA 60" Balled and Burlapped, Aronia arbutifolia & cvs - Red Chokeberry .....	64.93	
32 93 33 00-0022 EA 72" Balled and Burlapped, Aronia arbutifolia & cvs - Red Chokeberry .....	78.84	
32 93 33 00-0023 EA 36" Balled and Burlapped, Aronia melanocarpa & cvs - Black Chokeberry .....	38.26	
32 93 33 00-0024 EA 42" Balled and Burlapped, Aronia melanocarpa & cvs - Black Chokeberry .....	40.58	
32 93 33 00-0025 EA 48" Balled and Burlapped, Aronia melanocarpa & cvs - Black Chokeberry .....	42.90	
32 93 33 00-0026 EA 60" Balled and Burlapped, Aronia melanocarpa & cvs - Black Chokeberry .....	48.69	
32 93 33 00-0027 EA 36" Balled and Burlapped, Aronia prunifolia - Purple-Fruited Chokeberry .....	38.84	
32 93 33 00-0028 EA 42" Balled and Burlapped, Aronia prunifolia - Purple-Fruited Chokeberry .....	41.16	
32 93 33 00-0029 EA 48" Balled and Burlapped, Aronia prunifolia - Purple-Fruited Chokeberry .....	43.48	
32 93 33 00-0030 EA 60" Balled and Burlapped, Aronia prunifolia - Purple-Fruited Chokeberry .....	45.80	
32 93 33 00-0031 EA 1 Gallon Aspidistra elatior - Cast Iron Plant .....	7.97	
32 93 33 00-0032 EA 2 Gallon Aspidistra elatior - Cast Iron Plant .....	18.43	
32 93 33 00-0033 EA 1 Gallon Aucuba japonica "Variegata" - Gold Dust Plant .....	9.34	
32 93 33 00-0034 EA 3 Gallon Aucuba japonica "Variegata" - Gold Dust Plant .....	20.55	
32 93 33 00-0035 EA 5 Gallon Aucuba japonica "Variegata" - Gold Dust Plant .....	27.78	
32 93 33 00-0036 EA 1 Gallon Baccharis pilularis 'Pigeon Point' - Dwarf Coyote Brush .....	9.27	
32 93 33 00-0037 EA 5 Gallon Baccharis pilularis 'Pigeon Point' - Dwarf Coyote Brush .....	22.92	
32 93 33 00-0038 EA 1 Gallon Baccharis pilularis 'Twin Peaks' - Dwarf Coyote Brush .....	9.27	
32 93 33 00-0039 EA 5 Gallon Baccharis pilularis 'Twin Peaks' - Dwarf Coyote Brush .....	22.92	
32 93 33 00-0040 EA 1 Gallon Bauhinia purpurea - Orange-eye Butterfly Bush .....	9.96	
32 93 33 00-0041 EA 2 Gallon Bauhinia purpurea - Orange-eye Butterfly Bush .....	14.57	
32 93 33 00-0042 EA 15" To 18" Berberis - Northern Bayberry .....	41.60	
32 93 33 00-0043 EA 2' To 2-1/2' Berberis - Northern Bayberry .....	52.81	
32 93 33 00-0044 EA 2-1/2' To 3' Berberis - Northern Bayberry .....	73.98	
32 93 33 00-0045 EA 1 Gallon Berberis Buxifolia 'Nana' - Barberry .....	10.46	
32 93 33 00-0046 EA 5 Gallon Berberis Buxifolia 'Nana' - Barberry .....	25.22	
32 93 33 00-0047 EA 18" To 24" Berberis julianae - Dwarf Wintergreen Barberry .....	44.46	
32 93 33 00-0048 EA 2' To 2-1/2' Berberis julianae - Dwarf Wintergreen Barberry .....	56.92	
32 93 33 00-0049 EA 2-1/2' To 3' Berberis julianae - Dwarf Wintergreen Barberry .....	72.74	
32 93 33 00-0050 EA 1 Gallon Berberis thunbergii - Crimson Pygmy Barberry .....	11.96	
32 93 33 00-0051 EA 2 Gallon Berberis thunbergii - Crimson Pygmy Barberry .....	23.54	
32 93 33 00-0052 EA 3 Gallon Berberis thunbergii - Crimson Pygmy Barberry .....	28.77	
32 93 33 00-0053 EA 1 Gallon Berberis x mentorensis - Mentor Barberry .....	11.33	
32 93 33 00-0054 EA 5 Gallon Berberis x mentorensis - Mentor Barberry .....	32.01	
32 93 33 00-0055 EA 2' To 3' Berberis x mentorensis - Mentor Barberry .....	44.46	
32 93 33 00-0056 EA 3' To 4' Berberis x mentorensis - Mentor Barberry .....	68.63	
32 93 33 00-0057 EA 1 Gallon Buxus microphylla japonica - Japanese Boxwood .....	12.95	
32 93 33 00-0058 EA 5 Gallon Buxus microphylla japonica - Japanese Boxwood .....	34.75	
32 93 33 00-0059 EA 12" To 15" Buxus microphylla japonica - Japanese Boxwood .....	36.99	
32 93 33 00-0060 EA 15" To 18" Buxus microphylla japonica - Japanese Boxwood .....	47.58	
32 93 33 00-0061 EA 18" To 24" Buxus microphylla japonica - Japanese Boxwood .....	63.40	
32 93 33 00-0062 EA 24" To 30" Buxus microphylla japonica - Japanese Boxwood .....	95.16	
32 93 33 00-0063 EA 30" To 36" Buxus microphylla japonica - Japanese Boxwood .....	132.15	
32 93 33 00-0064 EA 12" To 15" Buxus sempervirens - Common Boxwood .....	36.99	
32 93 33 00-0065 EA 15" To 18" Buxus sempervirens - Common Boxwood .....	47.58	
32 93 33 00-0066 EA 18" To 24" Buxus sempervirens - Common Boxwood .....	63.40	
32 93 33 00-0067 EA 24" To 30" Buxus sempervirens - Common Boxwood .....	95.16	
32 93 33 00-0068 EA 2 Gallon Buxus Hybrid - Boxwood Cultivars .....	24.35	
32 93 33 00-0069 EA 5 Gallon Buxus Hybrid - Boxwood Cultivars .....	40.58	
32 93 33 00-0070 EA 5 Gallon Buxus microphylla & cvs - Little leaf Boxwood .....	106.66	
32 93 33 00-0071 EA 18" Balled and Burlapped, Buxus microphylla & cvs - Little leaf Boxwood .....	57.97	
32 93 33 00-0072 EA 24" Balled and Burlapped, Buxus microphylla & cvs - Little leaf Boxwood .....	78.84	
32 93 33 00-0073 EA 30" Balled and Burlapped, Buxus microphylla & cvs - Little leaf Boxwood .....	106.66	
32 93 33 00-0074 EA 1 Gallon Callistemon citrinus 'Little John' - Dwarf Bottle Bush .....	5.62	
32 93 33 00-0075 EA 5 Gallon Callistemon citrinus 'Little John' - Dwarf Bottle Bush .....	17.29	
32 93 33 00-0076 EA 15 Gallon Callistemon citrinus 'Little John' - Dwarf Bottle Bush .....	56.18	
32 93 33 00-0077 EA 5 Gallon Calycanthus floridus - Common Sweetshrub .....	38.26	
32 93 33 00-0078 EA 30" Balled and Burlapped, Calycanthus floridus - Common Sweetshrub .....	34.78	
32 93 33 00-0079 EA 36" Balled and Burlapped, Calycanthus floridus - Common Sweetshrub .....	46.38	
32 93 33 00-0080 EA 1 Gallon Camellia "Sasanqua" - Camellia .....	11.53	
32 93 33 00-0081 EA 3 Gallon Camellia "Sasanqua" - Camellia .....	24.59	
32 93 33 00-0082 EA 5 Gallon Camellia "Sasanqua" - Camellia .....	40.88	
32 93 33 00-0083 EA 7 Gallon Camellia "Sasanqua" - Camellia .....	60.87	
32 93 33 00-0084 EA 15 Gallon Camellia "Sasanqua" - Camellia .....	157.94	
32 93 33 00-0085 EA 1 Gallon Camellia japonica - Camellia .....	11.53	
32 93 33 00-0086 EA 3 Gallon Camellia japonica - Camellia .....	24.59	
32 93 33 00-0087 EA 5 Gallon Camellia japonica - Camellia .....	40.88	
32 93 33 00-0088 EA 5 Gallon Ceanothus americanus - New Jersey Tea .....	38.26	
32 93 33 00-0089 EA 1 Gallon Ceanothus Griseus Horizontalis 'Yankee Point' - Yankee Point Ceanothus .....	10.46	
32 93 33 00-0090 EA 5 Gallon Ceanothus Griseus Horizontalis 'Yankee Point' - Yankee Point Ceanothus .....	27.21	
32 93 33 00-0091 EA 5 Gallon Celastrus scandens - Bittersweet .....	38.26	
32 93 33 00-0092 EA 36" Balled and Burlapped, Celastrus scandens - Bittersweet .....	32.46	
32 93 33 00-0093 EA 5 Gallon Cephalanthus occidentalis - Buttonbush .....	38.26	

**32 Exterior Improvements****32 90 Planting****32 93 Plants**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

32 93 33 00-0094	EA	24" Balled and Burlapped, Cephalanthus occidentalis - Buttonbush	28.98
32 93 33 00-0095	EA	30" Balled and Burlapped, Cephalanthus occidentalis - Buttonbush	32.46
32 93 33 00-0096	EA	36" Balled and Burlapped, Cephalanthus occidentalis - Buttonbush	34.78
32 93 33 00-0097	EA	18" To 24" Chaenomeles speciosa - Flowering Quince	33.38
32 93 33 00-0098	EA	2' To 3' Chaenomeles speciosa - Flowering Quince	44.46
32 93 33 00-0099	EA	3' To 4' Chaenomeles speciosa - Flowering Quince	68.63
32 93 33 00-0100	EA	1 Gallon Cistus Hybridus - White Rockrose	9.27
32 93 33 00-0101	EA	5 Gallon Cistus Hybridus - White Rockrose	22.92
32 93 33 00-0102	EA	3 Gallon Clethra alnifolia & cvs - Summersweet Clethra	37.10
32 93 33 00-0103	EA	18" Balled and Burlapped, Clethra alnifolia & cvs - Summersweet Clethra	40.00
32 93 33 00-0104	EA	24" Balled and Burlapped, Clethra alnifolia & cvs - Summersweet Clethra	44.64
32 93 33 00-0105	EA	30" Balled and Burlapped, Clethra alnifolia & cvs - Summersweet Clethra	46.96
32 93 33 00-0106	EA	36" Balled and Burlapped, Clethra alnifolia & cvs - Summersweet Clethra	55.07
32 93 33 00-0107	EA	1 Gallon Coleonema Pulchellum - Confetti Bush	9.27
32 93 33 00-0108	EA	5 Gallon Coleonema Pulchellum - Confetti Bush	22.92
32 93 33 00-0109	EA	15 Gallon Coleonema Pulchellum - Confetti Bush	107.34
32 93 33 00-0110	EA	2' To 3' Cornus mas - Cornelian Cherry	52.81
32 93 33 00-0111	EA	3' To 4' Cornus mas - Cornelian Cherry	66.01
32 93 33 00-0112	EA	4' To 5' Cornus mas - Cornelian Cherry	84.57
32 93 33 00-0113	EA	5' To 6' Cornus mas - Cornelian Cherry	116.21
32 93 33 00-0114	EA	5 Gallon Cornus alba & cvs - Tartarian Dogwood	34.78
32 93 33 00-0115	EA	36" Balled and Burlapped, Cornus alba & cvs - Tartarian Dogwood	24.35
32 93 33 00-0116	EA	48" Balled and Burlapped, Cornus alba & cvs - Tartarian Dogwood	27.83
32 93 33 00-0117	EA	60" Balled and Burlapped, Cornus alba & cvs - Tartarian Dogwood	34.78
32 93 33 00-0118	EA	72" Balled and Burlapped, Cornus alba & cvs - Tartarian Dogwood	41.74
32 93 33 00-0119	EA	36" Balled and Burlapped, Cornus amomum - Silky Dogwood	34.78
32 93 33 00-0120	EA	5 Gallon Cornus obliqua - Blue Fruited Dogwood	38.26
32 93 33 00-0121	EA	5 Gallon Cornus racemosa - Gray Dogwood	38.26
32 93 33 00-0122	EA	36" Balled and Burlapped, Cornus racemosa - Gray Dogwood	34.78
32 93 33 00-0123	EA	48" Balled and Burlapped, Cornus racemosa - Gray Dogwood	40.58
32 93 33 00-0124	EA	60" Balled and Burlapped, Cornus racemosa - Gray Dogwood	44.06
32 93 33 00-0125	EA	72" Balled and Burlapped, Cornus racemosa - Gray Dogwood	53.33
32 93 33 00-0126	EA	36" Balled and Burlapped, Cornus sanguinea & cvs - Bloodtwig Dogwood	37.68
32 93 33 00-0127	EA	48" Balled and Burlapped, Cornus sanguinea & cvs - Bloodtwig Dogwood	42.32
32 93 33 00-0128	EA	60" Balled and Burlapped, Cornus sanguinea & cvs - Bloodtwig Dogwood	48.11
32 93 33 00-0129	EA	24" Balled and Burlapped, Cornus sericea & cvs - Redosier Dogwood	30.14
32 93 33 00-0130	EA	30" Balled and Burlapped, Cornus sericea & cvs - Redosier Dogwood	34.78
32 93 33 00-0131	EA	36" Balled and Burlapped, Cornus sericea & cvs - Redosier Dogwood	37.10
32 93 33 00-0132	EA	48" Balled and Burlapped, Cornus sericea & cvs - Redosier Dogwood	40.58
32 93 33 00-0133	EA	60" Balled and Burlapped, Cornus sericea & cvs - Redosier Dogwood	45.22
32 93 33 00-0134	EA	5 Gallon Corylus americana - American Filbert	35.94
32 93 33 00-0135	EA	30" Balled and Burlapped, Corylus americana - American Filbert	40.58
32 93 33 00-0136	EA	36" Balled and Burlapped, Corylus americana - American Filbert	43.48
32 93 33 00-0137	EA	48" Balled and Burlapped, Corylus americana - American Filbert	46.96
32 93 33 00-0138	EA	24" Balled and Burlapped, Corylus avellana - Contorted Hazelnut	115.94
32 93 33 00-0139	EA	30" Balled and Burlapped, Corylus avellana - Contorted Hazelnut	150.72
32 93 33 00-0140	EA	36" Balled and Burlapped, Corylus avellana - Contorted Hazelnut	162.31
32 93 33 00-0141	EA	42" Balled and Burlapped, Corylus avellana - Contorted Hazelnut	208.69
32 93 33 00-0142	EA	48" Balled and Burlapped, Corylus avellana - Contorted Hazelnut	255.07
32 93 33 00-0143	EA	60" Balled and Burlapped, Corylus avellana - Contorted Hazelnut	289.85
32 93 33 00-0144	EA	5' To 6' Cotinus coggygria - Smoke Tree	110.97
32 93 33 00-0145	EA	6' To 8' Cotinus coggygria - Smoke Tree	166.40
32 93 33 00-0146	EA	8' To 10' Cotinus coggygria - Smoke Tree	250.97
32 93 33 00-0147	EA	5 Gallon Cotoneaster acutifolia & cvs - Peking Cotoneaster	28.98
32 93 33 00-0148	EA	18" Balled and Burlapped, Cotoneaster acutifolia & cvs - Peking Cotoneaster	28.98
32 93 33 00-0149	EA	24" Balled and Burlapped, Cotoneaster acutifolia & cvs - Peking Cotoneaster	30.14
32 93 33 00-0150	EA	12" To 15" Spread Cotoneaster adpressus - Creeping Cotoneaster	27.77
32 93 33 00-0151	EA	3 Gallon Cotoneaster apiculata & cvs - Cranberry Cotoneaster	30.14
32 93 33 00-0152	EA	18" Balled and Burlapped, Cotoneaster apiculata & cvs - Cranberry Cotoneaster	28.98
32 93 33 00-0153	EA	24" Balled and Burlapped, Cotoneaster apiculata & cvs - Cranberry Cotoneaster	30.14
32 93 33 00-0154	EA	1 Gallon Cotoneaster divaricatus - Spreading Cotoneaster	11.96
32 93 33 00-0155	EA	2' To 3' Cotoneaster divaricatus - Spreading Cotoneaster	36.99
32 93 33 00-0156	EA	3' To 4' Cotoneaster divaricatus - Spreading Cotoneaster	49.94
32 93 33 00-0157	EA	4' To 5' Cotoneaster divaricatus - Spreading Cotoneaster	84.57
32 93 33 00-0158	EA	1 Gallon Cotoneaster glaucophyllus - Gray Leaf Cotoneaster	9.27
32 93 33 00-0159	EA	5 Gallon Cotoneaster glaucophyllus - Gray Leaf Cotoneaster	22.92
32 93 33 00-0160	EA	1 Gallon Cotoneaster horizontalis - Rockspray Cotoneaster	11.96
32 93 33 00-0161	EA	2 Gallon Cotoneaster horizontalis - Rockspray Cotoneaster	23.54
32 93 33 00-0162	EA	1 Gallon Cotoneaster lacteus - Red Clusterberry	9.27
32 93 33 00-0163	EA	5 Gallon Cotoneaster lacteus - Red Clusterberry	22.92
32 93 33 00-0164	EA	15 Gallon Cotoneaster lacteus - Red Clusterberry	90.99
32 93 33 00-0165	EA	1 Gallon Dendromecon harfordii - Island Bush Poppy	14.41
32 93 33 00-0166	EA	5 Gallon Dendromecon harfordii - Island Bush Poppy	36.02
32 93 33 00-0167	EA	18" Balled and Burlapped, Deutzia gracilis - Slender Deutzia	29.56
32 93 33 00-0168	EA	24" Balled and Burlapped, Deutzia gracilis - Slender Deutzia	32.46
32 93 33 00-0169	EA	30" Balled and Burlapped, Deutzia gracilis - Slender Deutzia	41.74
32 93 33 00-0170	EA	36" Balled and Burlapped, Deutzia gracilis - Slender Deutzia	48.69
32 93 33 00-0171	EA	42" Balled and Burlapped, Deutzia gracilis - Slender Deutzia	55.65
32 93 33 00-0172	EA	24" Balled and Burlapped, Diervilla sessilifolia - Southern Bush Honeysuckle	46.38
32 93 33 00-0173	EA	30" Balled and Burlapped, Diervilla sessilifolia - Southern Bush Honeysuckle	55.65
32 93 33 00-0174	EA	36" Balled and Burlapped, Diervilla sessilifolia - Southern Bush Honeysuckle	64.93





		<b>Exterior Improvements</b>	<b>32</b>
		Planting	32 90
		Plants	32 93

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0175 EA 2 Gallon Diervilla splendens - Splendens Bush Honeysuckle.....	17.39	
32 93 33 00-0176 EA 36" Balled and Burlapped, Diervilla splendens - Splendens Bush Honeysuckle.....	41.74	
32 93 33 00-0177 EA 48" Balled and Burlapped, Diervilla splendens - Splendens Bush Honeysuckle.....	55.65	
32 93 33 00-0178 EA 1 Gallon Elaeagnus - Silverberry.....	10.67	
32 93 33 00-0179 EA 3 Gallon Elaeagnus - Silverberry.....	21.33	
32 93 33 00-0180 EA 5 Gallon Elaeagnus - Silverberry.....	29.33	
32 93 33 00-0181 EA 5 Gallon Elaeagnus angustifolia - Russian Olive.....	22.92	
32 93 33 00-0182 EA 1 Gallon Elaeagnus ebbingei 'Gilt Edge' - Gilt Edge Silverberry.....	9.27	
32 93 33 00-0183 EA 5 Gallon Elaeagnus ebbingei 'Gilt Edge' - Gilt Edge Silverberry.....	22.92	
32 93 33 00-0184 EA 15 Gallon Elaeagnus ebbingei 'Gilt Edge' - Gilt Edge Silverberry.....	90.99	
32 93 33 00-0185 EA 1 Gallon Elaeagnus pungens 'Fruitlandii' - Fruitland Silverberry.....	9.27	
32 93 33 00-0186 EA 5 Gallon Elaeagnus pungens 'Fruitlandii' - Fruitland Silverberry.....	22.92	
32 93 33 00-0187 EA 15 Gallon Elaeagnus pungens 'Fruitlandii' - Fruitland Silverberry.....	90.99	
32 93 33 00-0188 EA 3' To 4' Elaeagnus umbellata - Autumn Olive.....	34.63	
32 93 33 00-0189 EA 4' To 5' Elaeagnus umbellata - Autumn Olive.....	47.58	
32 93 33 00-0190 EA 5' To 6' Elaeagnus umbellata - Autumn Olive.....	56.92	
32 93 33 00-0191 EA 3' To 4' Elaeagnus angustifolia - Russian Olive.....	55.43	
32 93 33 00-0192 EA 1 Gallon Escallonia x exoniensis 'Fradesii' - Pink Princess Escallonia.....	9.27	
32 93 33 00-0193 EA 5 Gallon Escallonia x exoniensis 'Fradesii' - Pink Princess Escallonia.....	22.92	
32 93 33 00-0194 EA 15 Gallon Escallonia x exoniensis 'Fradesii' - Pink Princess Escallonia.....	90.99	
32 93 33 00-0195 EA 1 Gallon Euonymus - Gold Spot.....	9.97	
32 93 33 00-0196 EA 2 Gallon Euonymus - Gold Spot.....	20.92	
32 93 33 00-0197 EA 5 Gallon Euonymus - Gold Spot.....	28.77	
32 93 33 00-0198 EA 1 Gallon Euonymus alatus - Winged Euonymus.....	8.51	
32 93 33 00-0199 EA 3 Gallon Euonymus alatus - Winged Euonymus.....	24.53	
32 93 33 00-0200 EA 24" Balled and Burlapped, Euonymus alatus - Winged Euonymus.....	33.07	
32 93 33 00-0201 EA 30" Balled and Burlapped, Euonymus alatus - Winged Euonymus.....	41.33	
32 93 33 00-0202 EA 36" Balled and Burlapped, Euonymus alatus - Winged Euonymus.....	56.80	
32 93 33 00-0203 EA 42" Balled and Burlapped, Euonymus alatus - Winged Euonymus.....	70.13	
32 93 33 00-0204 EA 48" Balled and Burlapped, Euonymus alatus - Winged Euonymus.....	82.66	
32 93 33 00-0205 EA 54" Balled and Burlapped, Euonymus alatus - Winged Euonymus.....	106.66	
32 93 33 00-0206 EA 5 Gallon Euonymus alatus - Winged Euonymus.....	30.67	
32 93 33 00-0207 EA 60" Balled and Burlapped, Euonymus alatus - Winged Euonymus.....	133.33	
32 93 33 00-0208 EA 30" Balled and Burlapped, Euonymus alatus compactus - Compact Winged Euonymus.....	52.17	
32 93 33 00-0209 EA 36" Balled and Burlapped, Euonymus alatus compactus - Compact Winged Euonymus.....	62.03	
32 93 33 00-0210 EA 42" Balled and Burlapped, Euonymus alatus compactus - Compact Winged Euonymus.....	81.16	
32 93 33 00-0211 EA 48" Balled and Burlapped, Euonymus alatus compactus - Compact Winged Euonymus.....	97.39	
32 93 33 00-0212 EA 60" Balled and Burlapped, Euonymus alatus compactus - Compact Winged Euonymus.....	120.58	
32 93 33 00-0213 EA 18" To 24" Euonymus alatus - Winged Burning Bush.....	36.99	
32 93 33 00-0214 EA 2' To 2-1/2' Euonymus alatus - Winged Burning Bush.....	43.59	
32 93 33 00-0215 EA 2-1/2' To 3' Euonymus alatus - Winged Burning Bush.....	59.54	
32 93 33 00-0216 EA 3' To 3-1/2' Euonymus alatus - Winged Burning Bush.....	71.37	
32 93 33 00-0217 EA 3-1/2' To 4' Euonymus alatus - Winged Burning Bush.....	89.80	
32 93 33 00-0218 EA 4' To 5' Euonymus alatus - Winged Burning Bush.....	126.79	
32 93 33 00-0219 EA 5' To 6' Euonymus alatus - Winged Burning Bush.....	158.55	
32 93 33 00-0220 EA 6' To 8' Euonymus alatus - Winged Burning Bush.....	184.96	
32 93 33 00-0221 EA 15" To 18" Euonymus alatus - Dwarf Winged Burning Bush.....	36.99	
32 93 33 00-0222 EA 18" To 24" Euonymus alatus - Dwarf Winged Burning Bush.....	42.22	
32 93 33 00-0223 EA 2' To 2-1/2' Euonymus alatus - Dwarf Winged Burning Bush.....	51.56	
32 93 33 00-0224 EA 2-1/2' To 3' Euonymus alatus - Dwarf Winged Burning Bush.....	72.74	
32 93 33 00-0225 EA 3' To 3-1/2' Euonymus alatus - Dwarf Winged Burning Bush.....	85.94	
32 93 33 00-0226 EA 3-1/2' To 4' Euonymus alatus - Dwarf Winged Burning Bush.....	103.00	
32 93 33 00-0227 EA 4' To 5' Euonymus alatus - Dwarf Winged Burning Bush.....	145.35	
32 93 33 00-0228 EA 5' To 6' Euonymus alatus - Dwarf Winged Burning Bush.....	171.76	
32 93 33 00-0229 EA 36" Balled and Burlapped, Euonymus atropurpurea - Eastern Wahoo.....	31.30	
32 93 33 00-0230 EA 1 Gallon Euonymus fortunei - Wintercreeper.....	11.96	
32 93 33 00-0231 EA 2 Gallon Euonymus fortunei - Wintercreeper.....	23.54	
32 93 33 00-0232 EA 3 Gallon Euonymus fortunei - Wintercreeper.....	28.77	
32 93 33 00-0233 EA 5 Gallon Euonymus fortunei - Wintercreeper.....	34.13	
32 93 33 00-0234 EA 1 Gallon Euonymus japonicus - Evergreen Spindle.....	9.27	
32 93 33 00-0235 EA 5 Gallon Euonymus japonicus - Evergreen Spindle.....	22.92	
32 93 33 00-0236 EA 15 Gallon Euonymus japonicus - Evergreen Spindle.....	90.99	
32 93 33 00-0237 EA 2' To 3' Forsythia - Korean Forsythia.....	26.40	
32 93 33 00-0238 EA 3' To 4' Forsythia - Korean Forsythia.....	33.38	
32 93 33 00-0239 EA 4' To 5' Forsythia - Korean Forsythia.....	41.60	
32 93 33 00-0240 EA 30" Balled and Burlapped, Forsythia cvs - Forsythia cultivars.....	26.67	
32 93 33 00-0241 EA 36" Balled and Burlapped, Forsythia cvs - Forsythia cultivars.....	29.56	
32 93 33 00-0242 EA 48" Balled and Burlapped, Forsythia cvs - Forsythia cultivars.....	31.88	
32 93 33 00-0243 EA 18" Balled and Burlapped, Forsythia viridissima & cvs - Green Forsythia.....	27.83	
32 93 33 00-0244 EA 24" Balled and Burlapped, Forsythia viridissima & cvs - Green Forsythia.....	37.10	
32 93 33 00-0245 EA 24" Balled and Burlapped, Forsythia x intermedia & cvs - Border Forsythia.....	27.83	
32 93 33 00-0246 EA 30" Balled and Burlapped, Forsythia x intermedia & cvs - Border Forsythia.....	32.46	
32 93 33 00-0247 EA 36" Balled and Burlapped, Forsythia x intermedia & cvs - Border Forsythia.....	38.26	
32 93 33 00-0248 EA 42" Balled and Burlapped, Forsythia x intermedia & cvs - Border Forsythia.....	44.06	
32 93 33 00-0249 EA 48" Balled and Burlapped, Forsythia x intermedia & cvs - Border Forsythia.....	51.01	
32 93 33 00-0250 EA 2 Gallon Fothergilla gardenii & cvs - Dwarf Fothergilla.....	39.42	
32 93 33 00-0251 EA 3 Gallon Fothergilla gardenii & cvs - Dwarf Fothergilla.....	55.07	
32 93 33 00-0252 EA 5 Gallon Fothergilla gardenii & cvs - Dwarf Fothergilla.....	57.97	
32 93 33 00-0253 EA 15" Balled and Burlapped, Fothergilla gardenii & cvs - Dwarf Fothergilla.....	60.29	
32 93 33 00-0254 EA 18" Balled and Burlapped, Fothergilla gardenii & cvs - Dwarf Fothergilla.....	64.93	
32 93 33 00-0255 EA 24" Balled and Burlapped, Fothergilla gardenii & cvs - Dwarf Fothergilla.....	78.84	

**32 Exterior Improvements****32 90 Planting****32 93 Plants**

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

32 93 33 00-0256	EA	24" Balled and Burlapped, Fothergilla major - Large Fothergilla.....	102.03	
32 93 33 00-0257	EA	30" Balled and Burlapped, Fothergilla major - Large Fothergilla.....	115.94	
32 93 33 00-0258	EA	1 Gallon Gardenia jasminoides - Cape Jasmine.....	8.59	
32 93 33 00-0259	EA	3 Gallon Gardenia jasminoides - Cape Jasmine.....	22.54	
32 93 33 00-0260	EA	5 Gallon Gardenia jasminoides - Cape Jasmine.....	28.77	
32 93 33 00-0261	EA	1 Gallon Grevillea 'Noellii' - Noel's Grevillea.....	9.27	
32 93 33 00-0262	EA	5 Gallon Grevillea 'Noellii' - Noel's Grevillea.....	22.92	
32 93 33 00-0263	EA	15 Gallon Grevillea 'Noellii' - Noel's Grevillea.....	90.99	
32 93 33 00-0264	EA	36" Balled and Burlapped, Hamamelis vernalis & cvs - Vernal Witchhazel.....	81.16	
32 93 33 00-0265	EA	48" Balled and Burlapped, Hamamelis vernalis & cvs - Vernal Witchhazel.....	132.17	
32 93 33 00-0266	EA	60" Balled and Burlapped, Hamamelis vernalis & cvs - Vernal Witchhazel.....	166.95	
32 93 33 00-0267	EA	72" Balled and Burlapped, Hamamelis vernalis & cvs - Vernal Witchhazel.....	255.07	
32 93 33 00-0268	EA	84" Balled and Burlapped, Hamamelis vernalis & cvs - Vernal Witchhazel.....	289.85	
32 93 33 00-0269	EA	1 Gallon Hedychium gartdnerum - Variegated Ginger.....	4.93	
32 93 33 00-0270	EA	3 Gallon Hedychium gartdnerum - Variegated Ginger.....	17.33	
32 93 33 00-0271	EA	5 Gallon Hedychium gartdnerum - Variegated Ginger.....	33.33	
32 93 33 00-0272	EA	1 Gallon Hibiscus rosa-sinensis - Hibiscus.....	12.64	
32 93 33 00-0273	EA	3 Gallon Hibiscus rosa-sinensis - Hibiscus.....	21.33	
32 93 33 00-0274	EA	5 Gallon Hibiscus rosa-sinensis - Hibiscus.....	32.27	
32 93 33 00-0275	EA	5 Gallon Hibiscus syriacus - Rose Of Sharon.....	33.38	
32 93 33 00-0276	EA	2' To 3' Hibiscus syriacus - Rose Of Sharon.....	28.40	
32 93 33 00-0277	EA	3' To 4' Hibiscus syriacus - Rose Of Sharon.....	38.36	
32 93 33 00-0278	EA	4' To 5' Hibiscus syriacus - Rose Of Sharon.....	55.42	
32 93 33 00-0279	EA	5' To 6' Hibiscus syriacus - Rose Of Sharon.....	76.60	
32 93 33 00-0280	EA	2 Gallon Hydrangea - Blue Hydrangea.....	23.54	
32 93 33 00-0281	EA	5 Gallon Hydrangea - Blue Hydrangea.....	33.13	
32 93 33 00-0282	EA	2' To 3' Hydrangea paniculata "Grandiflora" - Peegee Hydrangea.....	36.99	
32 93 33 00-0283	EA	3' To 4' Hydrangea paniculata "Grandiflora" - Peegee Hydrangea.....	42.22	
32 93 33 00-0284	EA	2 Gallon Hydrangea quercifolia - Oakleaf Hydrangea.....	23.54	
32 93 33 00-0285	EA	5 Gallon Hydrangea arborescens & cvs - Smooth Hydrangea.....	40.58	
32 93 33 00-0286	EA	30" Balled and Burlapped, Hydrangea arborescens & cvs - Smooth Hydrangea.....	44.06	
32 93 33 00-0287	EA	36" Balled and Burlapped, Hydrangea arborescens & cvs - Smooth Hydrangea.....	51.01	
32 93 33 00-0288	EA	4 Gallon Hydrangea macrophylla & cvs - Bigleaf Hydrangea.....	53.33	
32 93 33 00-0289	EA	18" Balled and Burlapped, Hydrangea macrophylla & cvs - Bigleaf Hydrangea.....	41.74	
32 93 33 00-0290	EA	24" Balled and Burlapped, Hydrangea macrophylla & cvs - Bigleaf Hydrangea.....	55.65	
32 93 33 00-0291	EA	3 Gallon Hydrangea paniculata & cvs - Panicle Hydrangea.....	24.35	
32 93 33 00-0292	EA	5 Gallon Hydrangea paniculata & cvs - Panicle Hydrangea.....	28.98	
32 93 33 00-0293	EA	18" Balled and Burlapped, Hydrangea paniculata & cvs - Panicle Hydrangea.....	24.93	
32 93 33 00-0294	EA	24" Balled and Burlapped, Hydrangea paniculata & cvs - Panicle Hydrangea.....	26.67	
32 93 33 00-0295	EA	30" Balled and Burlapped, Hydrangea paniculata & cvs - Panicle Hydrangea.....	30.14	
32 93 33 00-0296	EA	36" Balled and Burlapped, Hydrangea paniculata & cvs - Panicle Hydrangea.....	34.78	
32 93 33 00-0297	EA	48" Balled and Burlapped, Hydrangea paniculata & cvs - Panicle Hydrangea.....	46.38	
32 93 33 00-0298	EA	18" Balled and Burlapped, Hydrangea quercifolia & cvs - Oakleaf Hydrangea.....	33.62	
32 93 33 00-0299	EA	24" Balled and Burlapped, Hydrangea quercifolia & cvs - Oakleaf Hydrangea.....	38.26	
32 93 33 00-0300	EA	30" Balled and Burlapped, Hydrangea quercifolia & cvs - Oakleaf Hydrangea.....	45.22	
32 93 33 00-0301	EA	2 Gallon Hypericum kalmianum - St. John's Wort.....	23.54	
32 93 33 00-0302	EA	3 Gallon Hypericum kalmianum - Kalm St. John's Wort.....	27.83	
32 93 33 00-0303	EA	24" Balled and Burlapped, Hypericum kalmianum - Kalm St. John's Wort.....	30.14	
32 93 33 00-0304	EA	1 Gallon Ilex "Carissa" - Holly.....	11.96	
32 93 33 00-0305	EA	2 Gallon Ilex "Carissa" - Holly.....	23.54	
32 93 33 00-0306	EA	5 Gallon Ilex "Carissa" - Holly.....	33.13	
32 93 33 00-0307	EA	18" To 24" Ilex - Gulfside Sweet Holly.....	31.76	
32 93 33 00-0308	EA	2' To 2-1/2' Ilex - Gulfside Sweet Holly.....	40.23	
32 93 33 00-0309	EA	2-1/2' To 3' Ilex - Gulfside Sweet Holly.....	52.19	
32 93 33 00-0310	EA	3' To 3-1/2' Ilex - Gulfside Sweet Holly.....	63.40	
32 93 33 00-0311	EA	3 Gallon Ilex cornuta - Dwarf Horned Holly.....	23.72	
32 93 33 00-0312	EA	1 Gallon Ilex cornuta, Osmanthus heterophyllus - Dwarf Chinese Holly.....	11.96	
32 93 33 00-0313	EA	2 Gallon Ilex cornuta, Osmanthus heterophyllus - Dwarf Chinese Holly.....	23.54	
32 93 33 00-0314	EA	5 Gallon Ilex cornuta, Osmanthus heterophyllus - Dwarf Chinese Holly.....	34.13	
32 93 33 00-0315	EA	1 Gallon Ilex crenata - Hellers Japanese Holly.....	11.96	
32 93 33 00-0316	EA	2 Gallon Ilex crenata - Hellers Japanese Holly.....	26.16	
32 93 33 00-0317	EA	3 Gallon Ilex crenata - Hellers Japanese Holly.....	34.13	
32 93 33 00-0318	EA	2 Gallon Ilex crenata - Hetzi Japanese Holly.....	26.16	
32 93 33 00-0319	EA	3 Gallon Ilex crenata - Hetzi Japanese Holly.....	31.51	
32 93 33 00-0320	EA	2' To 3' Ilex crenata - Hetzi Japanese Holly.....	63.40	
32 93 33 00-0321	EA	3' To 4' Ilex crenata - Hetzi Japanese Holly.....	84.57	
32 93 33 00-0322	EA	2' To 3' Ilex opaca - American Holly.....	84.57	
32 93 33 00-0323	EA	3' To 4' Ilex opaca - American Holly.....	139.99	
32 93 33 00-0324	EA	4' To 5' Ilex opaca - American Holly.....	179.60	
32 93 33 00-0325	EA	5' To 6' Ilex opaca - American Holly.....	216.59	
32 93 33 00-0326	EA	6' To 7' Ilex opaca - American Holly.....	303.78	
32 93 33 00-0327	EA	7' To 8' Ilex opaca - American Holly.....	422.73	
32 93 33 00-0328	EA	8' To 10' Ilex opaca - American Holly.....	607.56	
32 93 33 00-0329	EA	10' To 12' Ilex opaca - American Holly.....	924.66	
32 93 33 00-0330	EA	12' To 14' Ilex opaca - American Holly.....	1,122.70	
32 93 33 00-0331	EA	14' To 16' Ilex opaca - American Holly.....	1,386.87	
32 93 33 00-0332	EA	2' To 3' Ilex verticillata - Winterberry (Female).....	84.57	
32 93 33 00-0333	EA	3' To 4' Ilex verticillata - Winterberry (Female).....	110.97	
32 93 33 00-0334	EA	2' To 3' Ilex verticillata - Winterberry (Male).....	68.63	
32 93 33 00-0335	EA	3' To 4' Ilex verticillata - Winterberry (Male).....	95.16	
32 93 33 00-0336	EA	4' To 5' Ilex verticillata - Winterberry (Male).....	110.97	



<b>Exterior Improvements</b>		<b>32</b>
Planting		32 90
Plants		32 93

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0337 EA 1 Gallon Ilex vomitoria - Yaupon Holly.....	11.21	
32 93 33 00-0338 EA 3 Gallon Ilex vomitoria - Yaupon Holly.....	22.54	
32 93 33 00-0339 EA 10 Gallon Ilex vomitoria - Yaupon Holly.....	79.21	
32 93 33 00-0340 EA 18" Balled and Burlapped, Ilex glabra compacta & cvs - Compact Inkberry Holly.....	35.94	
32 93 33 00-0341 EA 24" Balled and Burlapped, Ilex glabra compacta & cvs - Compact Inkberry Holly.....	40.58	
32 93 33 00-0342 EA 3 Gallon Ilex meserveae & cvs - Blue Holly.....	46.38	
32 93 33 00-0343 EA 18" Balled and Burlapped, Ilex meserveae & cvs - Blue Holly.....	42.90	
32 93 33 00-0344 EA 24" Balled and Burlapped, Ilex meserveae & cvs - Blue Holly.....	52.17	
32 93 33 00-0345 EA 5 Gallon Ilex verticillata & cvs - Common Winterberry.....	38.26	
32 93 33 00-0346 EA 24" Balled and Burlapped, Ilex verticillata & cvs - Common Winterberry.....	38.26	
32 93 33 00-0347 EA 30" Balled and Burlapped, Ilex verticillata & cvs - Common Winterberry.....	40.58	
32 93 33 00-0348 EA 36" Balled and Burlapped, Ilex verticillata & cvs - Common Winterberry.....	48.69	
32 93 33 00-0349 EA 42" Balled and Burlapped, Ilex verticillata & cvs - Common Winterberry.....	54.49	
32 93 33 00-0350 EA 48" Balled and Burlapped, Ilex verticillata & cvs - Common Winterberry.....	57.97	
32 93 33 00-0351 EA 60" Balled and Burlapped, Ilex verticillata & cvs - Common Winterberry.....	74.20	
32 93 33 00-0352 EA 4' To 5' Ilex x attenuata "Foster" - Holly.....	137.38	
32 93 33 00-0353 EA 5' To 6' Ilex x attenuata "Foster" - Holly.....	182.22	
32 93 33 00-0354 EA 6' To 7' Ilex x attenuata "Foster" - Holly.....	163.04	
32 93 33 00-0355 EA 7' To 8' Ilex x attenuata "Foster" - Holly.....	316.98	
32 93 33 00-0356 EA 1 Gallon Jasimnum - Jasmine.....	3.07	
32 93 33 00-0357 EA 3 Gallon Jasimnum - Jasmine.....	12.00	
32 93 33 00-0358 EA 3 Gallon Jasimnum - Orange Jasmine.....	9.33	
32 93 33 00-0359 EA 4' - 5' Jasimnum - Orange Jasmine.....	106.66	
32 93 33 00-0360 EA 6' - 7' Jasimnum - Orange Jasmine.....	213.33	
32 93 33 00-0361 EA 8' - 10' Jasimnum - Orange Jasmine.....	287.99	
32 93 33 00-0362 EA 3 Gallon Juniperus chinensis cvs - Chinese Juniper.....	40.58	
32 93 33 00-0363 EA 5 Gallon Juniperus chinensis cvs - Chinese Juniper.....	45.22	
32 93 33 00-0364 EA 18" Balled and Burlapped, Juniperus chinensis cvs - Chinese Juniper.....	60.29	
32 93 33 00-0365 EA 24" Balled and Burlapped, Juniperus chinensis cvs - Chinese Juniper.....	78.84	
32 93 33 00-0366 EA 30" Balled and Burlapped, Juniperus chinensis cvs - Chinese Juniper.....	92.76	
32 93 33 00-0367 EA 36" Balled and Burlapped, Juniperus chinensis cvs - Chinese Juniper.....	125.21	
32 93 33 00-0368 EA 48" Balled and Burlapped, Juniperus chinensis cvs - Chinese Juniper.....	171.59	
32 93 33 00-0369 EA 1 Gallon Juniperus horizontalis cvs - Creeping Juniper.....	19.33	
32 93 33 00-0370 EA 3 Gallon Juniperus horizontalis cvs - Creeping Juniper.....	40.58	
32 93 33 00-0371 EA 5 Gallon Juniperus horizontalis cvs - Creeping Juniper.....	45.22	
32 93 33 00-0372 EA 15" Balled and Burlapped, Juniperus horizontalis cvs - Creeping Juniper.....	48.69	
32 93 33 00-0373 EA 18" Balled and Burlapped, Juniperus horizontalis cvs - Creeping Juniper.....	53.33	
32 93 33 00-0374 EA 24" Balled and Burlapped, Juniperus horizontalis cvs - Creeping Juniper.....	64.93	
32 93 33 00-0375 EA 30" Balled and Burlapped, Juniperus horizontalis cvs - Creeping Juniper.....	78.84	
32 93 33 00-0376 EA 3 Gallon Juniperus procumbens cvs - Japanese Garden Juniper.....	31.30	
32 93 33 00-0377 EA 18" Balled and Burlapped, Juniperus procumbens cvs - Japanese Garden Juniper.....	37.10	
32 93 33 00-0378 EA 24" Balled and Burlapped, Juniperus procumbens cvs - Japanese Garden Juniper.....	51.01	
32 93 33 00-0379 EA 30" Balled and Burlapped, Juniperus procumbens cvs - Japanese Garden Juniper.....	64.93	
32 93 33 00-0380 EA 36" Balled and Burlapped, Juniperus procumbens cvs - Japanese Garden Juniper.....	78.84	
32 93 33 00-0381 EA 3 Gallon Juniperus sabina cvs - Savin Juniper.....	28.98	
32 93 33 00-0382 EA 5 Gallon Juniperus sabina cvs - Savin Juniper.....	34.78	
32 93 33 00-0383 EA 4 Gallon Juniperus virginiana cvs - Red Cedar Juniper.....	30.14	
32 93 33 00-0384 EA 36" Balled and Burlapped, Juniperus virginiana cvs - Red Cedar Juniper.....	57.97	
32 93 33 00-0385 EA 48" Balled and Burlapped, Juniperus virginiana cvs - Red Cedar Juniper.....	90.43	
32 93 33 00-0386 EA 60" Balled and Burlapped, Juniperus virginiana cvs - Red Cedar Juniper.....	113.62	
32 93 33 00-0387 EA 15" To 18" Kalmia latifolia - Mountain Laurel.....	47.58	
32 93 33 00-0388 EA 18" To 24" Kalmia latifolia - Mountain Laurel.....	63.40	
32 93 33 00-0389 EA 2' To 3' Kalmia latifolia - Mountain Laurel.....	92.42	
32 93 33 00-0390 EA 4' To 5' Kalmia latifolia - Mountain Laurel.....	169.01	
32 93 33 00-0391 EA 5' To 6' Kalmia latifolia - Mountain Laurel.....	258.94	
32 93 33 00-0392 EA 6' To 8' Kalmia latifolia - Mountain Laurel.....	396.32	
32 93 33 00-0393 EA 1 Gallon Kerria japonica - Kerria.....	10.59	
32 93 33 00-0394 EA 5 Gallon Kerria japonica - Kerria.....	33.13	
32 93 33 00-0395 EA 24" Balled and Burlapped, Kolkwitzia amabilis & cvs - Beautybush.....	33.62	
32 93 33 00-0396 EA 30" Balled and Burlapped, Kolkwitzia amabilis & cvs - Beautybush.....	38.26	
32 93 33 00-0397 EA 36" Balled and Burlapped, Kolkwitzia amabilis & cvs - Beautybush.....	41.74	
32 93 33 00-0398 EA 42" Balled and Burlapped, Kolkwitzia amabilis & cvs - Beautybush.....	48.69	
32 93 33 00-0399 EA 48" Balled and Burlapped, Kolkwitzia amabilis & cvs - Beautybush.....	55.65	
32 93 33 00-0400 EA 60" Balled and Burlapped, Kolkwitzia amabilis & cvs - Beautybush.....	69.56	
32 93 33 00-0401 EA 1 Gallon Lagerstroemia indica - Crape Myrtle.....	7.97	
32 93 33 00-0402 EA 5 Gallon Lagerstroemia indica - Crape Myrtle.....	28.40	
32 93 33 00-0403 EA 3' To 4' Lagerstroemia indica - Crape Myrtle.....	39.61	
32 93 33 00-0404 EA 4' To 5' Lagerstroemia indica - Crape Myrtle.....	58.17	
32 93 33 00-0405 EA 5' To 6' Lagerstroemia indica - Crape Myrtle.....	92.42	
32 93 33 00-0406 EA 7' To 8' Lagerstroemia indica - Crape Myrtle.....	120.00	
32 93 33 00-0407 EA 9' To 10' Lagerstroemia indica - Crape Myrtle.....	160.00	
32 93 33 00-0408 EA 11' To 12' Lagerstroemia indica - Crape Myrtle.....	333.32	
32 93 33 00-0409 EA 1 Gallon Leucothoe axillaris - Coast Leucothoe.....	11.96	
32 93 33 00-0410 EA 2 Gallon Leucothoe axillaris - Coast Leucothoe.....	26.16	
32 93 33 00-0411 EA 3 Gallon Leucothoe axillaris - Coast Leucothoe.....	31.51	
32 93 33 00-0412 EA 1 Gallon Ligustrum lucidum - Glossy Privet.....	7.35	
32 93 33 00-0413 EA 5 Gallon Ligustrum lucidum - Glossy Privet.....	22.54	
32 93 33 00-0414 EA 15 Gallon Ligustrum lucidum - Glossy Privet.....	105.62	
32 93 33 00-0415 EA 1 Gallon Ligustrum sinense - Variegated Chinese Privet.....	7.35	
32 93 33 00-0416 EA 2 Gallon Ligustrum sinense - Variegated Chinese Privet.....	15.82	
32 93 33 00-0417 EA 3 Gallon Ligustrum sinense - Variegated Chinese Privet.....	20.55	

**32 Exterior Improvements****32 90 Planting****32 93 Plants**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

32 93 33 00-0418	EA	36" Balled and Burlapped, Ligustrum vulgare & cvs - Common Privet	34.78
32 93 33 00-0419	EA	48" Balled and Burlapped, Ligustrum vulgare & cvs - Common Privet	51.01
32 93 33 00-0420	EA	60" Balled and Burlapped, Ligustrum vulgare & cvs - Common Privet	64.93
32 93 33 00-0421	EA	72" Balled and Burlapped, Ligustrum vulgare & cvs - Common Privet	74.20
32 93 33 00-0422	EA	5 Gallon Lindera benzoin - Spicebush	38.26
32 93 33 00-0423	EA	36" Balled and Burlapped, Lindera benzoin - Spicebush	32.46
32 93 33 00-0424	EA	48" Balled and Burlapped, Lindera benzoin - Spicebush	39.42
32 93 33 00-0425	EA	2' To 3' Lonicera fragrantissima - Winter Honeysuckle	63.40
32 93 33 00-0426	EA	3' To 4' Lonicera fragrantissima - Winter Honeysuckle	76.60
32 93 33 00-0427	EA	30" Balled and Burlapped, Lonicera tatarica & cvs - Tatarian Honeysuckle	34.78
32 93 33 00-0428	EA	36" Balled and Burlapped, Lonicera tatarica & cvs - Tatarian Honeysuckle	41.74
32 93 33 00-0429	EA	42" Balled and Burlapped, Lonicera tatarica & cvs - Tatarian Honeysuckle	46.38
32 93 33 00-0430	EA	48" Balled and Burlapped, Lonicera tatarica & cvs - Tatarian Honeysuckle	51.01
32 93 33 00-0431	EA	1 Gallon Myrica cerifera - Wax Myrtle	6.67
32 93 33 00-0432	EA	4 Gallon Myrica cerifera - Wax Myrtle	21.33
32 93 33 00-0433	EA	7 Gallon Myrica cerifera - Wax Myrtle	46.67
32 93 33 00-0434	EA	10 Gallon Myrica cerifera - Wax Myrtle	69.33
32 93 33 00-0435	EA	15 Gallon Myrica cerifera - Wax Myrtle	106.66
32 93 33 00-0436	EA	45 Gallon Myrica cerifera - Wax Myrtle	319.99
32 93 33 00-0437	EA	1' - 2' Myrica cerifera - Wax Myrtle	9.33
32 93 33 00-0438	EA	3' - 4' Myrica cerifera - Wax Myrtle	32.00
32 93 33 00-0439	EA	5' - 6' Myrica cerifera - Wax Myrtle	58.67
32 93 33 00-0440	EA	7' - 8' Myrica cerifera - Wax Myrtle	80.00
32 93 33 00-0441	EA	9' - 10' Myrica cerifera - Wax Myrtle	106.66
32 93 33 00-0442	EA	11' - 12' Myrica cerifera - Wax Myrtle	162.66
32 93 33 00-0443	EA	3 Gallon Myrica pensylvanica - Northern Bayberry	34.78
32 93 33 00-0444	EA	24" Balled and Burlapped, Myrica pensylvanica - Northern Bayberry	56.81
32 93 33 00-0445	EA	30" Balled and Burlapped, Myrica pensylvanica - Northern Bayberry	83.48
32 93 33 00-0446	EA	36" Balled and Burlapped, Myrica pensylvanica - Northern Bayberry	99.71
32 93 33 00-0447	EA	48" Balled and Burlapped, Myrica pensylvanica - Northern Bayberry	104.35
32 93 33 00-0448	EA	1 Gallon Myoporum laetum 'Carsonii' Multi - Coast Myoporum	9.27
32 93 33 00-0449	EA	5 Gallon Myoporum laetum 'Carsonii' Multi - Coast Myoporum	22.92
32 93 33 00-0450	EA	15 Gallon Myoporum laetum 'Carsonii' Multi - Coast Myoporum	90.99
32 93 33 00-0451	EA	1 Gallon Nandina domestica - Heavenly Bamboo	11.96
32 93 33 00-0452	EA	2 Gallon Nandina domestica - Heavenly Bamboo	26.16
32 93 33 00-0453	EA	5 Gallon Nandina domestica - Heavenly Bamboo	39.61
32 93 33 00-0454	EA	15 Gallon Nerium oleander - Oleander	99.57
32 93 33 00-0455	EA	24" Box Nerium oleander - Oleander	357.80
32 93 33 00-0456	EA	1 Gallon Osmanthus fragrans - Fragrant Tea Olive	7.35
32 93 33 00-0457	EA	3 Gallon Osmanthus fragrans - Fragrant Tea Olive	19.93
32 93 33 00-0458	EA	1 Gallon Philadelphus - Evergreen Mockorange	10.21
32 93 33 00-0459	EA	5 Gallon Philadelphus - Evergreen Mockorange	33.13
32 93 33 00-0460	EA	36" Balled and Burlapped, Philadelphus x virginialis & cvs - Mockorange	34.78
32 93 33 00-0461	EA	42" Balled and Burlapped, Philadelphus x virginialis & cvs - Mockorange	40.58
32 93 33 00-0462	EA	48" Balled and Burlapped, Philadelphus x virginialis & cvs - Mockorange	46.38
32 93 33 00-0463	EA	1 Gallon Photinia fraseri - Red-Tipped Photinia	9.27
32 93 33 00-0464	EA	5 Gallon Photinia fraseri - Red-Tipped Photinia	22.92
32 93 33 00-0465	EA	15 Gallon Photinia fraseri - Red-Tipped Photinia	90.99
32 93 33 00-0466	EA	1 Gallon Phormium tenax - New Zealand Flax	9.77
32 93 33 00-0467	EA	5 Gallon Phormium tenax - New Zealand Flax	23.42
32 93 33 00-0468	EA	15 Gallon Phormium tenax - New Zealand Flax	99.57
32 93 33 00-0469	EA	24" Balled and Burlapped, Physocarpus opulifolius 'Nana' - Dwarf Common Ninebark	34.78
32 93 33 00-0470	EA	30" Balled and Burlapped, Physocarpus opulifolius 'Nana' - Dwarf Common Ninebark	40.58
32 93 33 00-0471	EA	36" Balled and Burlapped, Physocarpus opulifolius 'Nana' - Dwarf Common Ninebark	46.38
32 93 33 00-0472	EA	42" Balled and Burlapped, Physocarpus opulifolius 'Nana' - Dwarf Common Ninebark	57.97
32 93 33 00-0473	EA	48" Balled and Burlapped, Physocarpus opulifolius 'Nana' - Dwarf Common Ninebark	69.56
32 93 33 00-0474	EA	12" To 15" Spread Pieris - Mountain Andromeda	32.01
32 93 33 00-0475	EA	15" To 18" Spread Pieris - Mountain Andromeda	68.63
32 93 33 00-0476	EA	12" To 15" Pieris japonica - Japanese Andromeda	41.60
32 93 33 00-0477	EA	15" To 18" Pieris japonica - Japanese Andromeda	47.58
32 93 33 00-0478	EA	18" To 24" Pieris japonica - Japanese Andromeda	59.54
32 93 33 00-0479	EA	2' To 2-1/2' Pieris japonica - Japanese Andromeda	84.57
32 93 33 00-0480	EA	2-1/2' To 3' Pieris japonica - Japanese Andromeda	100.39
32 93 33 00-0481	EA	24" Balled and Burlapped, Pinus mugo & cvs - Mugo Pine	35.69
32 93 33 00-0482	EA	30" Balled and Burlapped, Pinus mugo & cvs - Mugo Pine	45.68
32 93 33 00-0483	EA	36" Balled and Burlapped, Pinus mugo & cvs - Mugo Pine	54.96
32 93 33 00-0484	EA	48" Balled and Burlapped, Pinus mugo & cvs - Mugo Pine	70.67
32 93 33 00-0485	EA	60" Balled and Burlapped, Pinus mugo & cvs - Mugo Pine	84.95
32 93 33 00-0486	EA	72" Balled and Burlapped, Pinus mugo & cvs - Mugo Pine	124.21
32 93 33 00-0487	EA	30" Balled and Burlapped, Pinus mugo compacta - Dwarf Mugo Pine	77.09
32 93 33 00-0488	EA	36" Balled and Burlapped, Pinus mugo compacta - Dwarf Mugo Pine	92.80
32 93 33 00-0489	EA	48" Balled and Burlapped, Pinus mugo compacta - Dwarf Mugo Pine	123.49
32 93 33 00-0490	EA	1 Gallon Pittosporum - Pittosporum	4.40
32 93 33 00-0491	EA	3 Gallon Pittosporum - Pittosporum	11.33
32 93 33 00-0492	EA	1 Gallon Pittosporum - Varigated Pittosporum	4.40
32 93 33 00-0493	EA	3 Gallon Pittosporum - Varigated Pittosporum	11.33
32 93 33 00-0494	EA	5 Gallon Pittosporum - Varigated Pittosporum	19.87
32 93 33 00-0495	EA	1 Gallon Pittosporum eugenioides - Lemonwood	10.64
32 93 33 00-0496	EA	5 Gallon Pittosporum eugenioides - Lemonwood	25.22
32 93 33 00-0497	EA	1 Gallon Pittosporum tobira - Japanese Pittosporum	9.27
32 93 33 00-0498	EA	5 Gallon Pittosporum tobira - Japanese Pittosporum	22.92



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0499 EA 15 Gallon Pittosporum tobira - Japanese Pittosporum.....	90.99	
32 93 33 00-0500 EA 1 Gallon Podocarpus macrophyllus - Yew Podocarpus.....	5.33	
32 93 33 00-0501 EA 3 Gallon Podocarpus macrophyllus - Yew Podocarpus.....	16.00	
32 93 33 00-0502 EA 2 Gallon Potentilla fruticosa & cvs - Bush Cinquefoil.....	19.71	
32 93 33 00-0503 EA 5 Gallon Potentilla fruticosa & cvs - Bush Cinquefoil.....	27.83	
32 93 33 00-0504 EA 18" Balled and Burlapped, Potentilla fruticosa & cvs - Bush Cinquefoil.....	20.87	
32 93 33 00-0505 EA 24" Balled and Burlapped, Potentilla fruticosa & cvs - Bush Cinquefoil.....	23.19	
32 93 33 00-0506 EA 30" Balled and Burlapped, Potentilla fruticosa & cvs - Bush Cinquefoil.....	33.62	
32 93 33 00-0507 EA 36" Balled and Burlapped, Potentilla fruticosa & cvs - Bush Cinquefoil.....	38.84	
32 93 33 00-0508 EA 1 Gallon Prunus caroliniana - Carolina Cherry Laurel.....	4.91	
32 93 33 00-0509 EA 5 Gallon Prunus caroliniana - Carolina Cherry Laurel.....	12.27	
32 93 33 00-0510 EA 15 Gallon Prunus caroliniana - Carolina Cherry Laurel.....	73.16	
32 93 33 00-0511 EA 15" To 18" Prunus laurocerasus - Cherry Laurel.....	18.71	
32 93 33 00-0512 EA 18" To 24" Prunus laurocerasus - Cherry Laurel.....	23.16	
32 93 33 00-0513 EA 24" To 30" Prunus laurocerasus - Cherry Laurel.....	30.14	
32 93 33 00-0514 EA 15" To 18" Prunus triloba - Double White Flowering Almond.....	16.72	
32 93 33 00-0515 EA 18" To 24" Prunus triloba - Double White Flowering Almond.....	21.40	
32 93 33 00-0516 EA 3' To 4' Prunus triloba - Double White Flowering Almond.....	34.12	
32 93 33 00-0517 EA 4' To 6' Prunus triloba - Double White Flowering Almond.....	68.33	
32 93 33 00-0518 EA 5 Gallon Prunus triloba - Pink Flowering Almond.....	20.55	
32 93 33 00-0519 EA 18" To 24" Prunus triloba - Pink Flowering Almond.....	23.08	
32 93 33 00-0520 EA 2' To 3' Prunus triloba - Pink Flowering Almond.....	26.84	
32 93 33 00-0521 EA 2' To 3' Prunus virginiana - Brilliant Chokeberry.....	18.25	
32 93 33 00-0522 EA 3' To 4' Prunus virginiana - Brilliant Chokeberry.....	22.39	
32 93 33 00-0523 EA 4' To 5' Prunus virginiana - Brilliant Chokeberry.....	26.84	
32 93 33 00-0524 EA 5' To 6' Prunus virginiana - Brilliant Chokeberry.....	30.75	
32 93 33 00-0525 EA 1 Gallon Punica granatum - Dwarf Pomegranate.....	7.85	
32 93 33 00-0526 EA 3 Gallon Punica granatum - Dwarf Pomegranate.....	23.17	
32 93 33 00-0527 EA 7 Gallon Punica granatum - Dwarf Pomegranate.....	47.58	
32 93 33 00-0528 EA 1 Gallon Pyracantha koidzumi "Santa Cruz" - Pyracantha.....	9.96	
32 93 33 00-0529 EA 5 Gallon Pyracantha koidzumi "Santa Cruz" - Pyracantha.....	33.13	
32 93 33 00-0530 EA 5 Gallon Espalier Pyracantha koidzumi "Santa Cruz" - Pyracantha.....	68.63	
32 93 33 00-0531 EA 1 Gallon Ralphialepis indica - Indian Hawthorne.....	7.97	
32 93 33 00-0532 EA 2 Gallon Ralphialepis indica - Indian Hawthorne.....	15.19	
32 93 33 00-0533 EA 5 Gallon Ralphialepis indica - Indian Hawthorne.....	27.03	
32 93 33 00-0534 EA 1 Gallon Rhamnus californica - Coffeeberry.....	12.12	
32 93 33 00-0535 EA 5 Gallon Rhamnus californica - Coffeeberry.....	34.65	
32 93 33 00-0536 EA 15 Gallon Rhamnus californica - Coffeeberry.....	103.98	
32 93 33 00-0537 EA 4' To 5' Rhamnus frangula "Columnaris" - Tallhedge.....	60.78	
32 93 33 00-0538 EA 5' To 6' Rhamnus frangula "Columnaris" - Tallhedge.....	83.32	
32 93 33 00-0539 EA 6' To 8' Rhamnus frangula "Columnaris" - Tallhedge.....	108.36	
32 93 33 00-0540 EA 10' To 12' Rhamnus frangula "Columnaris" - Tallhedge.....	198.16	
32 93 33 00-0541 EA 1 Gallon Ralphialepis indica 'Ballerina' - Ballerina Indian Hawthorn.....	9.87	
32 93 33 00-0542 EA 5 Gallon Ralphialepis indica 'Ballerina' - Ballerina Indian Hawthorn.....	23.42	
32 93 33 00-0543 EA 15 Gallon Ralphialepis indica 'Ballerina' - Ballerina Indian Hawthorn.....	99.57	
32 93 33 00-0544 EA 1 Gallon Rhododendron - Azalea Evergreen Hybrids.....	12.95	
32 93 33 00-0545 EA 2 Gallon Rhododendron - Azalea Evergreen Hybrids.....	26.16	
32 93 33 00-0546 EA 3 Gallon Rhododendron - Azalea Evergreen Hybrids.....	34.13	
32 93 33 00-0547 EA 5 Gallon Rhododendron - Azalea Evergreen Hybrids.....	39.61	
32 93 33 00-0548 EA 15" To 18" Rhododendron - Azalea Evergreen Hybrids.....	46.33	
32 93 33 00-0549 EA 18" To 24" Rhododendron - Azalea Evergreen Hybrids.....	58.17	
32 93 33 00-0550 EA 2' To 2-1/2' Rhododendron - Azalea Evergreen Hybrids.....	84.57	
32 93 33 00-0551 EA 2-1/2' To 3' Rhododendron - Azalea Evergreen Hybrids.....	118.82	
32 93 33 00-0552 EA 1 Gallon Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids.....	14.57	
32 93 33 00-0553 EA 2 Gallon Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids.....	26.16	
32 93 33 00-0554 EA 15' To 18" Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids.....	44.96	
32 93 33 00-0555 EA 18" To 24" Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids.....	58.17	
32 93 33 00-0556 EA 2' To 3' Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids.....	84.57	
32 93 33 00-0557 EA 3' To 4' Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids.....	124.18	
32 93 33 00-0558 EA 4' To 5' Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids.....	166.40	
32 93 33 00-0559 EA 5 Gallon Rhododendron - Boxleaf Azara.....	33.13	
32 93 33 00-0560 EA 15 Gallon Rhododendron - Boxleaf Azara.....	118.82	
32 93 33 00-0561 EA 15" To 18" Rhododendron - Carolina Rhododendron.....	37.49	
32 93 33 00-0562 EA 18" To 24" Rhododendron - Carolina Rhododendron.....	66.01	
32 93 33 00-0563 EA 24" To 30" Rhododendron - Carolina Rhododendron.....	97.77	
32 93 33 00-0564 EA 2' To 3' Rhododendron - Five-leafed Azalea.....	44.46	
32 93 33 00-0565 EA 3' To 4' Rhododendron - Five-leafed Azalea.....	58.17	
32 93 33 00-0566 EA 4' To 5' Rhododendron - Five-leafed Azalea.....	76.60	
32 93 33 00-0567 EA 15" To 18" Rhododendron - Ghent Azalea.....	44.46	
32 93 33 00-0568 EA 18" To 24" Rhododendron - Ghent Azalea.....	55.42	
32 93 33 00-0569 EA 2' To 3' Rhododendron - Ghent Azalea.....	89.80	
32 93 33 00-0570 EA 3' To 4' Rhododendron - Ghent Azalea.....	124.18	
32 93 33 00-0571 EA 4' To 5' Rhododendron - Ghent Azalea.....	166.40	
32 93 33 00-0572 EA 5' To 6' Rhododendron - Ghent Azalea.....	221.95	
32 93 33 00-0573 EA 1 Gallon Rhododendron - Hybrid Rhododendron.....	14.57	
32 93 33 00-0574 EA 2 Gallon Rhododendron - Hybrid Rhododendron.....	31.51	
32 93 33 00-0575 EA 3 Gallon Rhododendron - Hybrid Rhododendron.....	44.71	
32 93 33 00-0576 EA 5 Gallon Rhododendron - Hybrid Rhododendron.....	49.94	
32 93 33 00-0577 EA 15" To 18" Rhododendron - Hybrid Rhododendron.....	42.22	
32 93 33 00-0578 EA 18" To 24" Rhododendron - Hybrid Rhododendron.....	58.17	
32 93 33 00-0579 EA 24" To 30" Rhododendron - Hybrid Rhododendron.....	79.21	

**32 Exterior Improvements****32 90 Planting****32 93 Plants**

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

32 93 33 00-0580	EA	30" To 36" Rhododendron - Hybrid Rhododendron	92.42	
32 93 33 00-0581	EA	36" To 42" Rhododendron - Hybrid Rhododendron	132.15	
32 93 33 00-0582	EA	42" To 48" Rhododendron - Hybrid Rhododendron	163.78	
32 93 33 00-0583	EA	15" To 18" Rhododendron - Pjm Rhododendron	47.58	
32 93 33 00-0584	EA	18" To 24" Rhododendron - Pjm Rhododendron	58.17	
32 93 33 00-0585	EA	2' To 2-1/2' Rhododendron - Pjm Rhododendron	84.57	
32 93 33 00-0586	EA	2-1/2 To 3' Rhododendron - Pjm Rhododendron	108.36	
32 93 33 00-0587	EA	3' To 3-1/2' Rhododendron - Pjm Rhododendron	132.15	
32 93 33 00-0588	EA	12" To 15" Rhododendron - Torch Azalea	36.99	
32 93 33 00-0589	EA	15" To 18" Rhododendron - Torch Azalea	44.46	
32 93 33 00-0590	EA	18" To 24" Rhododendron - Torch Azalea	55.42	
32 93 33 00-0591	EA	2' To 3' Rhododendron - Torch Azalea	92.42	
32 93 33 00-0592	EA	3 Gallon Rhododendron cvs - Lepidote Rhododendron	41.74	
32 93 33 00-0593	EA	5 Gallon Rhododendron cvs - Lepidote Rhododendron	51.01	
32 93 33 00-0594	EA	18" Balled and Burlapped, Rhododendron cvs - Lepidote Rhododendron	62.61	
32 93 33 00-0595	EA	24" Balled and Burlapped, Rhododendron cvs - Lepidote Rhododendron	78.84	
32 93 33 00-0596	EA	30" Balled and Burlapped, Rhododendron cvs - Lepidote Rhododendron	92.75	
32 93 33 00-0597	EA	36" Balled and Burlapped, Rhododendron cvs - Lepidote Rhododendron	111.30	
32 93 33 00-0598	EA	1 Gallon Rhus glabra - Dwarf Smooth Sumac	11.96	
32 93 33 00-0599	EA	5 Gallon Rhus glabra - Dwarf Smooth Sumac	33.13	
32 93 33 00-0600	EA	2 Gallon Rhus aromatica & cvs - Fragrant Sumac	27.83	
32 93 33 00-0601	EA	5 Gallon Rhus aromatica & cvs - Fragrant Sumac	38.26	
32 93 33 00-0602	EA	18" Balled and Burlapped, Rhus aromatica & cvs - Fragrant Sumac	44.06	
32 93 33 00-0603	EA	24" Balled and Burlapped, Rhus aromatica & cvs - Fragrant Sumac	57.97	
32 93 33 00-0604	EA	36" Balled and Burlapped, Rhus glabra - Smooth Sumac	34.78	
32 93 33 00-0605	EA	48" Balled and Burlapped, Rhus typhina & cvs - Staghorn Sumac	57.97	
32 93 33 00-0606	EA	72" Balled and Burlapped, Rhus typhina & cvs - Staghorn Sumac	92.75	
32 93 33 00-0607	EA	15" Balled and Burlapped, Ribes alpinum & cvs - Alpine Currant	31.30	
32 93 33 00-0608	EA	18" Balled and Burlapped, Ribes alpinum & cvs - Alpine Currant	35.94	
32 93 33 00-0609	EA	24" Balled and Burlapped, Ribes alpinum & cvs - Alpine Currant	52.17	
32 93 33 00-0610	EA	30" Balled and Burlapped, Ribes alpinum & cvs - Alpine Currant	69.56	
32 93 33 00-0611	EA	1 Gallon Rosa hybrids & cvs - Shrub Rose	19.13	
32 93 33 00-0612	EA	2 Gallon Rosa hybrids & cvs - Shrub Rose	23.19	
32 93 33 00-0613	EA	3 Gallon Rosa hybrids & cvs - Shrub Rose	28.98	
32 93 33 00-0614	EA	2 Gallon Rosa rugosa & cvs - Rugosa Rose	20.87	
32 93 33 00-0615	EA	3 Gallon Rosa rugosa & cvs - Rugosa Rose	26.67	
32 93 33 00-0616	EA	5 Gallon Sambucus canadensis - American Elder	38.26	
32 93 33 00-0617	EA	1 Gallon Santolina chamaecyparissus - Lavender Cotton	9.27	
32 93 33 00-0618	EA	5 Gallon Santolina chamaecyparissus - Lavender Cotton	22.92	
32 93 33 00-0619	EA	1 Gallon Santolina rosmarinifolia - Green Lavender Cotton	9.27	
32 93 33 00-0620	EA	5 Gallon Santolina rosmarinifolia - Green Lavender Cotton	22.92	
32 93 33 00-0621	EA	2 Gallon Sarcococca hookeriana humilis - Himalayan Sarcococca	17.19	
32 93 33 00-0622	EA	3 Gallon Sarcococca hookeriana humilis - Himalayan Sarcococca	25.16	
32 93 33 00-0623	EA	1 Gallon Sarcococca humilis - Fragrant Sarcococca	9.34	
32 93 33 00-0624	EA	5 Gallon Sarcococca humilis - Fragrant Sarcococca	24.41	
32 93 33 00-0625	EA	5 Gallon Senna artemisioides - Feathery Cassia	17.29	
32 93 33 00-0626	EA	15 Gallon Senna artemisioides - Feathery Cassia	68.79	
32 93 33 00-0627	EA	24" Box Senna artemisioides - Feathery Cassia	216.09	
32 93 33 00-0628	EA	1 Gallon Skimmia japonica - Japanese Skimmia	11.96	
32 93 33 00-0629	EA	2 Gallon Skimmia japonica - Japanese Skimmia	23.79	
32 93 33 00-0630	EA	5 Gallon Skimmia japonica - Japanese Skimmia	38.36	
32 93 33 00-0631	EA	1 Gallon Sollya fusiformis - Bluebell Creeper	9.27	
32 93 33 00-0632	EA	5 Gallon Sollya fusiformis - Bluebell Creeper	22.92	
32 93 33 00-0633	EA	3' To 4' Spiraea - Garland Spirea	55.42	
32 93 33 00-0634	EA	4' To 5' Spiraea - Garland Spirea	84.57	
32 93 33 00-0635	EA	5 Gallon Spiraea - Snowmound Spirea	33.13	
32 93 33 00-0636	EA	18" To 24" Spiraea - Snowmound Spirea	27.15	
32 93 33 00-0637	EA	2' To 3' Spiraea - Snowmound Spirea	38.36	
32 93 33 00-0638	EA	3' To 4' Spiraea - Snowmound Spirea	44.47	
32 93 33 00-0639	EA	4' To 5' Spiraea - Snowmound Spirea	76.60	
32 93 33 00-0640	EA	1 Gallon Spiraea japonica & cvs - Japanese Spirea	11.96	
32 93 33 00-0641	EA	2 Gallon Spiraea japonica & cvs - Japanese Spirea	23.54	
32 93 33 00-0642	EA	3 Gallon Spiraea japonica & cvs - Japanese Spirea	27.25	
32 93 33 00-0643	EA	5 Gallon Spiraea japonica & cvs - Japanese Spirea	29.56	
32 93 33 00-0644	EA	18" Balled and Burlapped, Spiraea japonica & cvs - Japanese Spirea	30.14	
32 93 33 00-0645	EA	24" Balled and Burlapped, Spiraea japonica & cvs - Japanese Spirea	34.78	
32 93 33 00-0646	EA	30" Balled and Burlapped, Spiraea japonica & cvs - Japanese Spirea	39.42	
32 93 33 00-0647	EA	36" Balled and Burlapped, Spiraea japonica & cvs - Japanese Spirea	45.80	
32 93 33 00-0648	EA	2 Gallon Spiraea nipponica & cvs - Nippon Spirea	18.55	
32 93 33 00-0649	EA	5 Gallon Spiraea nipponica & cvs - Nippon Spirea	27.83	
32 93 33 00-0650	EA	18" Balled and Burlapped, Spiraea nipponica & cvs - Nippon Spirea	25.51	
32 93 33 00-0651	EA	24" Balled and Burlapped, Spiraea nipponica & cvs - Nippon Spirea	30.14	
32 93 33 00-0652	EA	30" Balled and Burlapped, Spiraea nipponica & cvs - Nippon Spirea	34.78	
32 93 33 00-0653	EA	36" Balled and Burlapped, Spiraea nipponica & cvs - Nippon Spirea	39.42	
32 93 33 00-0654	EA	48" Balled and Burlapped, Spiraea nipponica & cvs - Nippon Spirea	51.01	
32 93 33 00-0655	EA	1 Gallon Spiraea x bumalda & cvs - Bumalda Spirea	11.96	
32 93 33 00-0656	EA	2 Gallon Spiraea x bumalda & cvs - Bumalda Spirea	21.45	
32 93 33 00-0657	EA	4 Gallon Spiraea x bumalda & cvs - Bumalda Spirea	27.83	
32 93 33 00-0658	EA	18" Balled and Burlapped, Spiraea x bumalda & cvs - Bumalda Spirea	24.35	
32 93 33 00-0659	EA	24" Balled and Burlapped, Spiraea x bumalda & cvs - Bumalda Spirea	29.56	
32 93 33 00-0660	EA	30" Balled and Burlapped, Spiraea x bumalda & cvs - Bumalda Spirea	34.78	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0661 EA 36" Balled and Burlapped, Spiraea x bumalda & cvs - Bumalda Spirea .....	39.42	
32 93 33 00-0662 EA 5 Gallon Spiraea x vanhouttei & cvs - Vanhoutte Spirea .....	27.83	
32 93 33 00-0663 EA 18" Balled and Burlapped, Spiraea x vanhouttei & cvs - Vanhoutte Spirea .....	27.83	
32 93 33 00-0664 EA 24" Balled and Burlapped, Spiraea x vanhouttei & cvs - Vanhoutte Spirea .....	32.46	
32 93 33 00-0665 EA 30" Balled and Burlapped, Spiraea x vanhouttei & cvs - Vanhoutte Spirea .....	44.06	
32 93 33 00-0666 EA 36" Balled and Burlapped, Spiraea x vanhouttei & cvs - Vanhoutte Spirea .....	51.01	
32 93 33 00-0667 EA 42" Balled and Burlapped, Spiraea x vanhouttei & cvs - Vanhoutte Spirea .....	60.29	
32 93 33 00-0668 EA 5 Gallon Staphylea trifolia - Bladdernut .....	39.14	
32 93 33 00-0669 EA 2 Gallon Stephanandra incisa & cvs - Cutleaf Stephanadra .....	27.83	
32 93 33 00-0670 EA 5 Gallon Stephanandra incisa & cvs - Cutleaf Stephanadra .....	30.14	
32 93 33 00-0671 EA 24" Balled and Burlapped, Stephanandra incisa & cvs - Cutleaf Stephanadra .....	34.78	
32 93 33 00-0672 EA 30" Balled and Burlapped, Stephanandra incisa & cvs - Cutleaf Stephanadra .....	41.74	
32 93 33 00-0673 EA 2 Gallon Symphoricarpos albus - Common Snowberry .....	28.98	
32 93 33 00-0674 EA 5 Gallon Symphoricarpos albus - Common Snowberry .....	30.72	
32 93 33 00-0675 EA 24" Balled and Burlapped, Syringa meyeri & cvs - Meyer Lilac .....	51.01	
32 93 33 00-0676 EA 30" Balled and Burlapped, Syringa meyeri & cvs - Meyer Lilac .....	63.77	
32 93 33 00-0677 EA 36" Balled and Burlapped, Syringa meyeri & cvs - Meyer Lilac .....	74.20	
32 93 33 00-0678 EA 42" Balled and Burlapped, Syringa meyeri & cvs - Meyer Lilac .....	85.79	
32 93 33 00-0679 EA 18" Balled and Burlapped, Syringa patula 'Miss Kim' - Miss Kim Lilac .....	51.01	
32 93 33 00-0680 EA 24" Balled and Burlapped, Syringa patula 'Miss Kim' - Miss Kim Lilac .....	55.65	
32 93 33 00-0681 EA 30" Balled and Burlapped, Syringa patula 'Miss Kim' - Miss Kim Lilac .....	63.77	
32 93 33 00-0682 EA 36" Balled and Burlapped, Syringa patula 'Miss Kim' - Miss Kim Lilac .....	74.20	
32 93 33 00-0683 EA 42" Balled and Burlapped, Syringa patula 'Miss Kim' - Miss Kim Lilac .....	85.79	
32 93 33 00-0684 EA 60" Balled and Burlapped, Syringa villosa & cvs - Late Lilac .....	40.58	
32 93 33 00-0685 EA 72" Balled and Burlapped, Syringa villosa & cvs - Late Lilac .....	44.06	
32 93 33 00-0686 EA 36" Balled and Burlapped, Syringa vulgaris & cvs - Common Lilac .....	34.78	
32 93 33 00-0687 EA 42" Balled and Burlapped, Syringa vulgaris & cvs - Common Lilac .....	39.42	
32 93 33 00-0688 EA 48" Balled and Burlapped, Syringa vulgaris & cvs - Common Lilac .....	44.06	
32 93 33 00-0689 EA 60" Balled and Burlapped, Syringa vulgaris & cvs - Common Lilac .....	51.01	
32 93 33 00-0690 EA 72" Balled and Burlapped, Syringa vulgaris & cvs - Common Lilac .....	62.61	
32 93 33 00-0691 EA 5 Gallon Syringa x chinensis & cvs - Chinese Lilac .....	28.98	
32 93 33 00-0692 EA 36" Balled and Burlapped, Syringa x hyacinthiflora & cvs - Hybrid Lilac .....	33.62	
32 93 33 00-0693 EA 48" Balled and Burlapped, Syringa x hyacinthiflora & cvs - Hybrid Lilac .....	44.06	
32 93 33 00-0694 EA 48" Balled and Burlapped, Taxus cuspidata capitata - Capitata Japanese Yew .....	184.34	
32 93 33 00-0695 EA 54" Balled and Burlapped, Taxus cuspidata capitata - Capitata Japanese Yew .....	206.37	
32 93 33 00-0696 EA 60" Balled and Burlapped, Taxus cuspidata capitata - Capitata Japanese Yew .....	227.24	
32 93 33 00-0697 EA 72" Balled and Burlapped, Taxus cuspidata capitata - Capitata Japanese Yew .....	273.62	
32 93 33 00-0698 EA 18" Balled and Burlapped, Taxus cuspidata cvs - Dwarf & Spreading Japanese Yew .....	48.69	
32 93 33 00-0699 EA 24" Balled and Burlapped, Taxus cuspidata cvs - Dwarf & Spreading Japanese Yew .....	63.77	
32 93 33 00-0700 EA 30" Balled and Burlapped, Taxus cuspidata cvs - Dwarf & Spreading Japanese Yew .....	74.20	
32 93 33 00-0701 EA 36" Balled and Burlapped, Taxus cuspidata cvs - Dwarf & Spreading Japanese Yew .....	81.16	
32 93 33 00-0702 EA 15" Balled and Burlapped, Taxus x media & cvs - Anglojap Yew .....	48.69	
32 93 33 00-0703 EA 18" Balled and Burlapped, Taxus x media & cvs - Anglojap Yew .....	63.77	
32 93 33 00-0704 EA 24" Balled and Burlapped, Taxus x media & cvs - Anglojap Yew .....	75.36	
32 93 33 00-0705 EA 30" Balled and Burlapped, Taxus x media & cvs - Anglojap Yew .....	89.27	
32 93 33 00-0706 EA 36" Balled and Burlapped, Taxus x media & cvs - Anglojap Yew .....	134.49	
32 93 33 00-0707 EA 36" Balled and Burlapped, Thuja occidentalis & cvs - Upright Arborvitae .....	74.20	
32 93 33 00-0708 EA 48" Balled and Burlapped, Thuja occidentalis & cvs - Upright Arborvitae .....	99.71	
32 93 33 00-0709 EA 60" Balled and Burlapped, Thuja occidentalis & cvs - Upright Arborvitae .....	150.72	
32 93 33 00-0710 EA 72" Balled and Burlapped, Thuja occidentalis & cvs - Upright Arborvitae .....	220.28	
32 93 33 00-0711 EA 84" Balled and Burlapped, Thuja occidentalis & cvs - Upright Arborvitae .....	252.75	
32 93 33 00-0712 EA 96" Balled and Burlapped, Thuja occidentalis & cvs - Upright Arborvitae .....	293.33	
32 93 33 00-0713 EA 15" Balled and Burlapped, Thuja occidentalis cvs - Dwarf Arborvitae .....	32.46	
32 93 33 00-0714 EA 18" Balled and Burlapped, Thuja occidentalis cvs - Dwarf Arborvitae .....	45.22	
32 93 33 00-0715 EA 24" Balled and Burlapped, Thuja occidentalis cvs - Dwarf Arborvitae .....	63.77	
32 93 33 00-0716 EA 3' To 4' Viburnum dilatatum - Linden Viburnum .....	55.43	
32 93 33 00-0717 EA 4' To 5' Viburnum dilatatum - Linden Viburnum .....	84.57	
32 93 33 00-0718 EA 5' To 6' Viburnum dilatatum - Linden Viburnum .....	110.98	
32 93 33 00-0719 EA 1 Gallon Viburnum japonicum - Japanese Viburnum .....	6.73	
32 93 33 00-0720 EA 3 Gallon Viburnum japonicum - Japanese Viburnum .....	18.43	
32 93 33 00-0721 EA 5 Gallon Viburnum plicatum - Japanese Snowball .....	33.13	
32 93 33 00-0722 EA 5' To 6' Viburnum plicatum - Japanese Snowball .....	124.18	
32 93 33 00-0723 EA 2' To 3' Viburnum rhytidophyllum - Leatherleaf Viburnum .....	58.17	
32 93 33 00-0724 EA 3' To 4' Viburnum rhytidophyllum - Leatherleaf Viburnum .....	68.63	
32 93 33 00-0725 EA 4' To 5' Viburnum rhytidophyllum - Leatherleaf Viburnum .....	96.53	
32 93 33 00-0726 EA 30" Balled and Burlapped, Viburnum burkwoodii & cvs - Burkwood Viburnum .....	63.77	
32 93 33 00-0727 EA 36" Balled and Burlapped, Viburnum burkwoodii & cvs - Burkwood Viburnum .....	76.52	
32 93 33 00-0728 EA 24" Balled and Burlapped, Viburnum carlesii & cvs - Korean Spice Viburnum .....	57.97	
32 93 33 00-0729 EA 30" Balled and Burlapped, Viburnum carlesii & cvs - Korean Spice Viburnum .....	69.56	
32 93 33 00-0730 EA 36" Balled and Burlapped, Viburnum carlesii & cvs - Korean Spice Viburnum .....	81.16	
32 93 33 00-0731 EA 42" Balled and Burlapped, Viburnum carlesii & cvs - Korean Spice Viburnum .....	92.75	
32 93 33 00-0732 EA 1 Gallon Viburnum davidii - David Viburnum .....	9.27	
32 93 33 00-0733 EA 5 Gallon Viburnum davidii - David Viburnum .....	22.92	
32 93 33 00-0734 EA 36" Balled and Burlapped, Viburnum dentatum & cvs - Arrowwood Viburnum .....	32.46	
32 93 33 00-0735 EA 42" Balled and Burlapped, Viburnum dentatum & cvs - Arrowwood Viburnum .....	34.78	
32 93 33 00-0736 EA 48" Balled and Burlapped, Viburnum dentatum & cvs - Arrowwood Viburnum .....	40.58	
32 93 33 00-0737 EA 60" Balled and Burlapped, Viburnum dentatum & cvs - Arrowwood Viburnum .....	46.38	
32 93 33 00-0738 EA 72" Balled and Burlapped, Viburnum dentatum & cvs - Arrowwood Viburnum .....	51.01	
32 93 33 00-0739 EA 30" Balled and Burlapped, Viburnum lantana & cvs - Wayfaringtree Viburnum .....	31.30	
32 93 33 00-0740 EA 36" Balled and Burlapped, Viburnum lantana & cvs - Wayfaringtree Viburnum .....	34.78	
32 93 33 00-0741 EA 42" Balled and Burlapped, Viburnum lantana & cvs - Wayfaringtree Viburnum .....	44.06	

**32 Exterior Improvements****32 90 Planting****32 93 Plants**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 93 33 00-0742	EA	48" Balled and Burlapped, Viburnum lantana & cvs - Wayfaringtree Viburnum	51.01	
32 93 33 00-0743	EA	60" Balled and Burlapped, Viburnum lantana & cvs - Wayfaringtree Viburnum	69.56	
32 93 33 00-0744	EA	72" Balled and Burlapped, Viburnum lantana & cvs - Wayfaringtree Viburnum	83.48	
32 93 33 00-0745	EA	36" Balled and Burlapped, Viburnum lentago & cvs - Nannyberry Viburnum	34.78	
32 93 33 00-0746	EA	48" Balled and Burlapped, Viburnum lentago & cvs - Nannyberry Viburnum	46.38	
32 93 33 00-0747	EA	5' Balled and Burlapped, Viburnum lentago & cvs - Nannyberry Viburnum	57.97	
32 93 33 00-0748	EA	6" Balled and Burlapped, Viburnum lentago & cvs - Nannyberry Viburnum	81.16	
32 93 33 00-0749	EA	7' Balled and Burlapped, Viburnum lentago & cvs - Nannyberry Viburnum	115.94	
32 93 33 00-0750	EA	8' Balled and Burlapped, Viburnum lentago & cvs - Nannyberry Viburnum	162.31	
32 93 33 00-0751	EA	9' Balled and Burlapped, Viburnum lentago & cvs - Nannyberry Viburnum	208.69	
32 93 33 00-0752	EA	30" Balled and Burlapped, Viburnum plicatum tomentosum & cvs - Doublefile Viburnum	41.74	
32 93 33 00-0753	EA	36" Balled and Burlapped, Viburnum plicatum tomentosum & cvs - Doublefile Viburnum	46.38	
32 93 33 00-0754	EA	36" Balled and Burlapped, Viburnum prunifolium & cvs - Blackhaw Viburnum	83.48	
32 93 33 00-0755	EA	48" Balled and Burlapped, Viburnum prunifolium & cvs - Blackhaw Viburnum	127.53	
32 93 33 00-0756	EA	60" Balled and Burlapped, Viburnum prunifolium & cvs - Blackhaw Viburnum	162.31	
32 93 33 00-0757	EA	72" Balled and Burlapped, Viburnum prunifolium & cvs - Blackhaw Viburnum	197.10	
32 93 33 00-0758	EA	84" Balled and Burlapped, Viburnum prunifolium & cvs - Blackhaw Viburnum	243.47	
32 93 33 00-0759	EA	96" Balled and Burlapped, Viburnum prunifolium & cvs - Blackhaw Viburnum	289.85	
32 93 33 00-0760	EA	108" Balled and Burlapped, Viburnum prunifolium & cvs - Blackhaw Viburnum	347.82	
32 93 33 00-0761	EA	120" Balled and Burlapped, Viburnum prunifolium & cvs - Blackhaw Viburnum	405.79	
32 93 33 00-0762	EA	30" Balled and Burlapped, Viburnum sargentii & cvs - Sargent Viburnum	35.36	
32 93 33 00-0763	EA	36" Balled and Burlapped, Viburnum sargentii & cvs - Sargent Viburnum	38.84	
32 93 33 00-0764	EA	48" Balled and Burlapped, Viburnum sargentii & cvs - Sargent Viburnum	44.06	
32 93 33 00-0765	EA	60" Balled and Burlapped, Viburnum sargentii & cvs - Sargent Viburnum	51.01	
32 93 33 00-0766	EA	72" Balled and Burlapped, Viburnum sargentii & cvs - Sargent Viburnum	58.55	
32 93 33 00-0767	EA	18" Balled and Burlapped, Viburnum trilobum & cvs - American Cranberry Viburnum	33.62	
32 93 33 00-0768	EA	24" Balled and Burlapped, Viburnum trilobum & cvs - American Cranberry Viburnum	40.58	
32 93 33 00-0769	EA	30" Balled and Burlapped, Viburnum trilobum & cvs - American Cranberry Viburnum	48.69	
32 93 33 00-0770	EA	36" Balled and Burlapped, Viburnum trilobum & cvs - American Cranberry Viburnum	55.65	
32 93 33 00-0771	EA	42" Balled and Burlapped, Viburnum trilobum & cvs - American Cranberry Viburnum	67.24	
32 93 33 00-0772	EA	48" Balled and Burlapped, Viburnum trilobum & cvs - American Cranberry Viburnum	74.20	
32 93 33 00-0773	EA	30" Balled and Burlapped, Viburnum x carlcephalum & cvs - Fragrant Viburnum	57.97	
32 93 33 00-0774	EA	36" Balled and Burlapped, Viburnum x carlcephalum & cvs - Fragrant Viburnum	69.56	
32 93 33 00-0775	EA	42" Balled and Burlapped, Viburnum x carlcephalum & cvs - Fragrant Viburnum	81.16	
32 93 33 00-0776	EA	48" Balled and Burlapped, Viburnum x carlcephalum & cvs - Fragrant Viburnum	92.75	
32 93 33 00-0777	EA	60" Balled and Burlapped, Viburnum x carlcephalum & cvs - Fragrant Viburnum	104.35	
32 93 33 00-0778	EA	30" Balled and Burlapped, Viburnum x juddii & cvs - Judd Viburnum	74.20	
32 93 33 00-0779	EA	36" Balled and Burlapped, Viburnum x juddii & cvs - Judd Viburnum	83.48	
32 93 33 00-0780	EA	42" Balled and Burlapped, Viburnum x juddii & cvs - Judd Viburnum	95.07	
32 93 33 00-0781	EA	48" Balled and Burlapped, Viburnum x juddii & cvs - Judd Viburnum	108.98	
32 93 33 00-0782	EA	2' To 3' Viburnum opulus "Roseum" - Fragrant Snowball	68.63	
32 93 33 00-0783	EA	3' To 4' Viburnum opulus "Roseum" - Fragrant Snowball	84.57	
32 93 33 00-0784	EA	4' To 5' Viburnum opulus "Roseum" - Fragrant Snowball	124.18	
32 93 33 00-0785	EA	5 Gallon Weigela florida & cvs - Old Fashioned Weigela	38.26	
32 93 33 00-0786	EA	24" Balled and Burlapped, Weigela florida & cvs - Old Fashioned Weigela	34.78	
32 93 33 00-0787	EA	30" Balled and Burlapped, Weigela florida & cvs - Old Fashioned Weigela	39.42	
32 93 33 00-0788	EA	36" Balled and Burlapped, Weigela florida & cvs - Old Fashioned Weigela	44.06	
32 93 33 00-0789	EA	42" Balled and Burlapped, Weigela florida & cvs - Old Fashioned Weigela	51.01	
32 93 33 00-0790	EA	48" Balled and Burlapped, Weigela florida & cvs - Old Fashioned Weigela	57.97	
32 93 33 00-0791	EA	1 Gallon Xylosma congestum - Shiny Xylosma	7.97	
32 93 33 00-0792	EA	5 Gallon Xylosma congestum - Shiny Xylosma	22.54	
32 93 33 00-0793	EA	15 Gallon Xylosma congestum - Shiny Xylosma	99.14	
32 93 33 00-0794	EA	1 Gallon Yucca aloifolia - Spanish Bayonet	6.73	
32 93 33 00-0795	EA	3 Gallon Yucca aloifolia - Spanish Bayonet	17.81	
32 93 33 00-0796	EA	1 Gallon Yucca filamentosa - Adams Needle	9.34	
32 93 33 00-0797	EA	3 Gallon Yucca filamentosa - Adams Needle	18.18	
32 93 33 00-0798	EA	5 Gallon Yucca filamentosa - Adams Needle	28.77	
32 93 33 00-0799	EA	5 Gallon Border Forsythia - Goldenbells	32.01	
32 93 33 00-0800	EA	2' To 3' Border Forsythia - Goldenbells	26.40	
32 93 33 00-0801	EA	3' To 4' Border Forsythia - Goldenbells	33.38	
32 93 33 00-0802	EA	4' To 5' Border Forsythia - Goldenbells	41.60	
32 93 33 00-0803	EA	5' To 6' Border Forsythia - Goldenbells	49.94	
32 93 33 00-0804	EA	6' To 8' Border Forsythia - Goldenbells	68.63	
32 93 33 00-0805	EA	3' Juniperus chinensis - Columnar Chinese Juniper	68.00	
32 93 33 00-0806	EA	4' Juniperus chinensis - Columnar Chinese Juniper	93.33	
32 93 33 00-0807	EA	5' Juniperus chinensis - Columnar Chinese Juniper	146.66	
32 93 33 00-0808	EA	6' Juniperus chinensis - Columnar Chinese Juniper	170.66	
32 93 33 00-0809	EA	7' Juniperus chinensis - Columnar Chinese Juniper	223.99	
32 93 33 00-0810	EA	2 Gallon Chrysobalanus icaco - Cocoplum Red Tip	13.33	
32 93 33 00-0811	EA	3 Gallon Chrysobalanus icaco - Cocoplum Red Tip	18.67	
32 93 33 00-0812	EA	5 Gallon Chrysobalanus icaco - Cocoplum Red Tip	45.20	
32 93 33 00-0813	EA	2 Gallon Chrysobalanus icaco - Cocoplum Green Tip	13.33	
32 93 33 00-0814	EA	3 Gallon Chrysobalanus icaco - Cocoplum Green Tip	18.67	
32 93 33 00-0815	EA	Beile Poitvine Roses	53.33	
32 93 33 00-0816	EA	3 Gallon Bird Of Paradise	24.00	
32 93 33 00-0817	EA	5 Gallon Bird Of Paradise	37.33	
32 93 33 00-0818	EA	7 Gallon Bird Of Paradise	50.67	
32 93 33 00-0819	EA	10 Gallon Bird Of Paradise	101.33	
32 93 33 00-0820	EA	18" Bonica Roses	61.33	
32 93 33 00-0821	EA	1 Gallon Burmese Grape	10.67	
32 93 33 00-0822	EA	5 Gallon Burmese Grape	29.33	





		<b>Exterior Improvements</b>	<b>32</b>
		Planting	32 90
		Plants	32 93

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0823 EA 15 Gallon Burmese Grape .....	109.33	
32 93 33 00-0824 EA 6" To 9" Canby Paxistima .....	21.33	
32 93 33 00-0825 EA 9" To 12" Canby Paxistima .....	26.67	
32 93 33 00-0826 EA 12" To 15" Canby Paxistima .....	34.67	
32 93 33 00-0827 EA 5 Gallon Chastetree .....	37.33	
32 93 33 00-0828 EA 3' Chinese Lilac .....	53.33	
32 93 33 00-0829 EA 4' Chinese Lilac .....	66.66	
32 93 33 00-0830 EA 5' Chinese Lilac .....	90.66	
32 93 33 00-0831 EA 1 Gallon Christmas Berry .....	13.33	
32 93 33 00-0832 EA 2 Gallon Christmas Berry .....	29.33	
32 93 33 00-0833 EA 5 Gallon Christmas Berry .....	42.67	
32 93 33 00-0834 EA 15 Gallon Christmas Berry .....	197.33	
32 93 33 00-0835 EA 1 Gallon Concha Wild Lilac .....	10.67	
32 93 33 00-0836 EA 5 Gallon Concha Wild Lilac .....	26.67	
32 93 33 00-0837 EA 1 Gallon Flower Carpet Roses .....	26.67	
32 93 33 00-0838 EA 3 Gallon Flower Carpet Roses .....	50.67	
32 93 33 00-0839 EA Goldfinger Potentillas .....	42.67	
32 93 33 00-0840 EA Green Mound Alpine Currents .....	53.33	
32 93 33 00-0841 EA 24" Gro-Low Sumacs .....	53.33	
32 93 33 00-0842 EA 3 Gallon Heliconia .....	24.00	
32 93 33 00-0843 EA 1' Ibolium Private .....	2.67	
32 93 33 00-0844 EA 2' Ibolium Private .....	10.67	
32 93 33 00-0845 EA 3' Ibolium Private .....	18.67	
32 93 33 00-0846 EA 5 Gallon Japanese Privit .....	29.33	
32 93 33 00-0847 EA 24" Spirea - Little Princess .....	56.00	
32 93 33 00-0848 EA 2' Longstalk Holly .....	53.33	
32 93 33 00-0849 EA 2-1/2' Longstalk Holly .....	72.00	
32 93 33 00-0850 EA 3' Longstalk Holly .....	90.66	
32 93 33 00-0851 EA 3-1/2' Longstalk Holly .....	101.33	
32 93 33 00-0852 EA 3 Gallon Low Dense Pyracantha .....	26.67	
32 93 33 00-0853 EA 1 Gallon Pacific Wax Myrtle .....	8.00	
32 93 33 00-0854 EA 5 Gallon Pacific Wax Myrtle .....	26.67	
32 93 33 00-0855 EA 1 Gallon Red Escallonia .....	8.00	
32 93 33 00-0856 EA 5 Gallon Red Escallonia .....	26.67	
32 93 33 00-0857 EA 15 Gallon Red Escallonia .....	109.33	
32 93 33 00-0858 EA 24" Smooth Hydrangeas .....	64.00	
32 93 33 00-0859 EA 15" To 18" Somerset Burkwood Daphne .....	42.67	
32 93 33 00-0860 EA 18" To 24" Somerset Burkwood Daphne .....	56.00	
32 93 33 00-0861 EA 1 Gallon Spring Bouquet Laurustinis .....	8.00	
32 93 33 00-0862 EA 5 Gallon Spring Bouquet Laurustinis .....	29.33	
32 93 33 00-0863 EA 15" To 18" Summersweet .....	32.00	
32 93 33 00-0864 EA 18" To 24" Summersweet .....	37.33	
32 93 33 00-0865 EA 2' Sweet Shrubs .....	42.67	
32 93 33 00-0866 EA 3' Sweet Shrubs .....	56.00	
32 93 33 00-0867 EA 1 Gallon Variegated Silverberry .....	8.00	
32 93 33 00-0868 EA 3 Gallon Variegated Silverberry .....	18.67	
32 93 33 00-0869 EA 15 Gallon Variegated Silverberry .....	109.33	
32 93 33 00-0870 EA 1 Gallon Variegated Winter Daphne .....	13.33	
32 93 33 00-0871 EA 5 Gallon Variegated Winter Daphne .....	42.67	
32 93 33 00-0872 EA 15 Gallon Variegated Winter Daphne .....	197.33	
32 93 33 00-0873 EA 2' To 3' Virginia Sweetspire .....	93.33	
32 93 33 00-0874 EA 1 Gallon Warminster Broom .....	13.33	
32 93 33 00-0875 EA 2 Gallon Warminster Broom .....	26.67	
32 93 33 00-0876 EA 5 Gallon Warminster Broom .....	37.33	

**32 93 43 Trees (32 93)**

Note: (cvs = cultivar) materials only. See CSI section 32 93 83 00-0001 for installation and planting of trees.

**32 93 43 00-0001 Deciduous Ornamental Trees (32 93 43)**

Note: All trees listed by caliper of trunk or height of tree if field grown, dug with spade, balled and burlapped and delivered to site.

32 93 43 00-0002 EA 6' Clump Form Acer ginnala & cvs - Amur Maple .....	319.15
32 93 43 00-0003 EA 7' Clump Form Acer ginnala & cvs - Amur Maple .....	390.07
32 93 43 00-0004 EA 8' Clump Form Acer ginnala & cvs - Amur Maple .....	443.26
32 93 43 00-0005 EA 10' Clump Form Acer ginnala & cvs - Amur Maple .....	514.18
32 93 43 00-0006 EA 12' Clump Form Acer ginnala & cvs - Amur Maple .....	585.10
32 93 43 00-0007 EA 14' Clump Form Acer ginnala & cvs - Amur Maple .....	691.49
32 93 43 00-0008 EA 1-1/2" To 2" Caliper Acer griseum - Paperbark Maple .....	253.22
32 93 43 00-0009 EA 2" To 2-1/2" Caliper Acer griseum - Paperbark Maple .....	1,134.75
32 93 43 00-0010 EA 2-1/2" To 3" Caliper Acer griseum - Paperbark Maple .....	1,418.43
32 93 43 00-0011 EA 5' Clump Form Acer griseum - Paperbark Maple .....	283.69
32 93 43 00-0012 EA 1-1/2" Caliper Aesculus californica - California Buckeye .....	709.22
32 93 43 00-0013 EA 2" Caliper Aesculus californica - California Buckeye .....	921.98
32 93 43 00-0014 EA 2-1/2" Caliper Aesculus californica - California Buckeye .....	1,063.83
32 93 43 00-0015 EA 3" Caliper Aesculus californica - California Buckeye .....	1,205.67
32 93 43 00-0016 EA 3-1/2" Caliper Aesculus californica - California Buckeye .....	1,418.43
32 93 43 00-0017 EA 36" Balled and Burlapped, Amelanchier alnifolia & cvs - Saskatoon Serviceberry .....	92.75
32 93 43 00-0018 EA 48" Balled and Burlapped, Amelanchier alnifolia & cvs - Saskatoon Serviceberry .....	115.94
32 93 43 00-0019 EA 60" Balled and Burlapped, Amelanchier alnifolia & cvs - Saskatoon Serviceberry .....	143.76
32 93 43 00-0020 EA 60" Balled and Burlapped, Amelanchier arborea & cvs - Downy Serviceberry .....	115.94
32 93 43 00-0021 EA 72" Balled and Burlapped, Amelanchier arborea & cvs - Downy Serviceberry .....	139.13

**32 Exterior Improvements****32 90 Planting****32 93 Plants**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

32 93 43 00-0022	EA	7' Balled and Burlapped, Amelanchier arborea & cvs - Downy Serviceberry	162.31	
32 93 43 00-0023	EA	8' Balled and Burlapped, Amelanchier arborea & cvs - Downy Serviceberry	185.50	
32 93 43 00-0024	EA	5' Balled and Burlapped, Amelanchier canadensis & cvs - Shadblow Serviceberry	208.69	
32 93 43 00-0025	EA	6' Balled and Burlapped, Amelanchier canadensis & cvs - Shadblow Serviceberry	231.88	
32 93 43 00-0026	EA	7' Balled and Burlapped, Amelanchier canadensis & cvs - Shadblow Serviceberry	266.66	
32 93 43 00-0027	EA	8' Balled and Burlapped, Amelanchier canadensis & cvs - Shadblow Serviceberry	301.44	
32 93 43 00-0028	EA	9' Balled and Burlapped, Amelanchier canadensis & cvs - Shadblow Serviceberry	347.82	
32 93 43 00-0029	EA	7' Balled and Burlapped, Amelanchier laevis & cvs - Allegheny Serviceberry	266.66	
32 93 43 00-0030	EA	8' Balled and Burlapped, Amelanchier laevis & cvs - Allegheny Serviceberry	313.04	
32 93 43 00-0031	EA	9' Balled and Burlapped, Amelanchier laevis & cvs - Allegheny Serviceberry	359.41	
32 93 43 00-0032	EA	10' Balled and Burlapped, Amelanchier laevis & cvs - Allegheny Serviceberry	394.19	
32 93 43 00-0033	EA	30" Balled and Burlapped, Amelanchier stolonifera & cvs - Running Serviceberry	92.75	
32 93 43 00-0034	EA	48" Balled and Burlapped, Amelanchier stolonifera & cvs - Running Serviceberry	197.10	
32 93 43 00-0035	EA	60" Balled and Burlapped, Amelanchier stolonifera & cvs - Running Serviceberry	255.07	
32 93 43 00-0036	EA	2' To 4' Amelemchier - Juneberry	28.23	
32 93 43 00-0037	EA	4' To 5' Amelemchier - Juneberry	29.62	
32 93 43 00-0038	EA	5' To 6' Amelemchier - Juneberry	35.26	
32 93 43 00-0039	EA	6' To 8' Amelemchier - Juneberry	42.07	
32 93 43 00-0040	EA	6' Cercis occidentalis - Western Redbud	198.60	
32 93 43 00-0041	EA	8' Cercis occidentalis - Western Redbud	273.23	
32 93 43 00-0042	EA	2-1/2" Caliper Cercis occidentalis - Western Redbud	562.76	
32 93 43 00-0043	EA	3" Caliper Cercis occidentalis - Western Redbud	685.10	
32 93 43 00-0044	EA	2' To 3' Magnolia Virginiana - Sweetbay Magnolia	67.20	
32 93 43 00-0045	EA	3' To 4' Magnolia Virginiana - Sweetbay Magnolia	100.80	
32 93 43 00-0046	EA	4' To 5' Magnolia Virginiana - Sweetbay Magnolia	126.01	
32 93 43 00-0047	EA	5' To 6' Magnolia Virginiana - Sweetbay Magnolia	156.94	
32 93 43 00-0048	EA	4' Clump Form Magnolia soulangiana & cvs - Saucer Magnolia	265.96	
32 93 43 00-0049	EA	5' Clump Form Magnolia soulangiana & cvs - Saucer Magnolia	354.61	
32 93 43 00-0050	EA	6' Clump Form Magnolia soulangiana & cvs - Saucer Magnolia	460.99	
32 93 43 00-0051	EA	7' Clump Form Magnolia soulangiana & cvs - Saucer Magnolia	514.18	
32 93 43 00-0052	EA	8' Clump Form Magnolia soulangiana & cvs - Saucer Magnolia	620.57	
32 93 43 00-0053	EA	9' Clump Form Magnolia soulangiana & cvs - Saucer Magnolia	691.49	
32 93 43 00-0054	EA	4' Clump Form Magnolia stellata, cvs & hybrids - Star Magnolia	265.96	
32 93 43 00-0055	EA	5' Clump Form Magnolia stellata, cvs & hybrids - Star Magnolia	354.61	
32 93 43 00-0056	EA	6' Clump Form Magnolia stellata, cvs & hybrids - Star Magnolia	460.99	
32 93 43 00-0057	EA	7' Clump Form Magnolia stellata, cvs & hybrids - Star Magnolia	514.18	
32 93 43 00-0058	EA	8' Clump Form Magnolia stellata, cvs & hybrids - Star Magnolia	620.57	
32 93 43 00-0059	EA	9' Clump Form Magnolia stellata, cvs & hybrids - Star Magnolia	691.49	
32 93 43 00-0060	EA	1 Gallon Platanus racemosa, Multi Trunk - Western Sycamore	6.05	
32 93 43 00-0061	EA	5 Gallon Platanus racemosa, Multi Trunk - Western Sycamore	25.61	
32 93 43 00-0062	EA	20 Gallon Prunus subhirtella - Flowering Cherry	349.77	
32 93 43 00-0063	EA	1-1/2" To 2" Caliper Prunus subhirtella - Flowering Cherry	361.56	
32 93 43 00-0064	EA	2" To 2-1/2" Caliper Prunus subhirtella - Flowering Cherry	451.90	
32 93 43 00-0065	EA	3-1/2" To 4" Caliper Prunus subhirtella - Flowering Cherry	943.07	
32 93 43 00-0066	EA	3" To 3-1/2" Caliper Prunus subhirtella - Flowering Cherry	726.85	
32 93 43 00-0067	EA	4" To 5" Caliper Prunus subhirtella - Flowering Cherry	1,414.61	
32 93 43 00-0068	EA	5 Gallon Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum	90.34	
32 93 43 00-0069	EA	15 Gallon Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum	247.46	
32 93 43 00-0070	EA	20 Gallon Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum	322.28	
32 93 43 00-0071	EA	5' To 6' Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum	102.13	
32 93 43 00-0072	EA	6' To 8' Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum	196.40	
32 93 43 00-0073	EA	1-1/2" To 2" Caliper Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum	361.56	
32 93 43 00-0074	EA	2" To 2-1/2" Caliper Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum	432.25	
32 93 43 00-0075	EA	1-1/2" To 1-3/4" Caliper Prunus subhirtella - Weeping Cherry	283.00	
32 93 43 00-0076	EA	1-1/4" To 1-1/2" Caliper Prunus subhirtella - Weeping Cherry	235.67	
32 93 43 00-0077	EA	1-3/4" To 2" Caliper Prunus subhirtella - Weeping Cherry	345.66	
32 93 43 00-0078	EA	2" To 2-1/2" Caliper Prunus subhirtella - Weeping Cherry	412.62	
32 93 43 00-0079	EA	2-1/2" To 3" Caliper Prunus subhirtella - Weeping Cherry	530.45	
32 93 43 00-0080	EA	15 Gallon Pyrus Calleryana x 'Aristocrat' - Flowering Pear	273.08	
32 93 43 00-0081	EA	20 Gallon Pyrus Calleryana x 'Aristocrat' - Flowering Pear	341.36	
32 93 43 00-0082	EA	1-1/2" To 2" Caliper Pyrus Calleryana x 'Aristocrat' - Flowering Pear	355.01	
32 93 43 00-0083	EA	2" To 2-1/2" Caliper Pyrus Calleryana x 'Aristocrat' - Flowering Pear	423.28	
32 93 43 00-0084	EA	2-1/2" To 3" Caliper Pyrus Calleryana x 'Aristocrat' - Flowering Pear	573.47	
32 93 43 00-0085	EA	3" To 3-1/2" Caliper Pyrus Calleryana x 'Aristocrat' - Flowering Pear	750.98	
32 93 43 00-0086	EA	3-1/2" To 4" Caliper Pyrus Calleryana x 'Aristocrat' - Flowering Pear	955.79	
32 93 43 00-0087	EA	15 Gallon Pyrus Calleryana x "Bradford" - Flowering Pear	273.08	
32 93 43 00-0088	EA	20 Gallon Pyrus Calleryana x "Bradford" - Flowering Pear	341.36	
32 93 43 00-0089	EA	1-1/2" To 2" Caliper Pyrus Calleryana x "Bradford" - Flowering Pear	232.12	
32 93 43 00-0090	EA	2" To 2-1/2" Caliper Pyrus Calleryana x "Bradford" - Flowering Pear	355.01	
32 93 43 00-0091	EA	2-1/2" To 3" Caliper Pyrus Calleryana x "Bradford" - Flowering Pear	422.91	
32 93 43 00-0092	EA	3" To 3-1/2" Caliper Pyrus Calleryana x "Bradford" - Flowering Pear	573.47	
32 93 43 00-0093	EA	3-1/2" To 4" Caliper Pyrus Calleryana x "Bradford" - Flowering Pear	750.98	
32 93 43 00-0094	EA	1-1/2" Caliper Pyrus calleryana & cvs - Callery Pear	497.43	
32 93 43 00-0095	EA	2" Caliper Pyrus calleryana & cvs - Callery Pear	621.79	
32 93 43 00-0096	EA	2-1/2" Caliper Pyrus calleryana & cvs - Callery Pear	771.02	
32 93 43 00-0097	EA	3" Caliper Pyrus calleryana & cvs - Callery Pear	870.51	
32 93 43 00-0098	EA	3-1/2" Caliper Pyrus calleryana & cvs - Callery Pear	970.00	
32 93 43 00-0099	EA	4" Caliper Pyrus calleryana & cvs - Callery Pear	1,243.59	
32 93 43 00-0100	EA	1 Gallon Ribes aureum - Golden Current	5.29	
32 93 43 00-0101	EA	5 Gallon Ribes aureum - Golden Current	15.13	
32 93 43 00-0102	EA	1 Gallon Ribes sanguineum - Red Flowering Currant	5.29	



		<b>Exterior Improvements</b>	<b>32</b>
		Planting	32 90
		Plants	32 93

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0103 EA 5 Gallon Ribes sanguineum - Red Flowering Currant.....	15.13	
32 93 43 00-0104 EA 1 Gallon Ribes viburnifolium - Evergreen Currant.....	5.29	
32 93 43 00-0105 EA 5 Gallon Ribes viburnifolium - Evergreen Currant.....	15.13	
32 93 43 00-0106 EA 8' Cassia leptophlia - Gold Medallion Tree.....	388.50	
32 93 43 00-0107 EA 10' Cassia leptophlia - Gold Medallion Tree.....	493.10	
32 93 43 00-0108 EA 12' Cassia leptophlia - Gold Medallion Tree.....	597.70	
32 93 43 00-0109 EA 6' Magnolia grandiflora 'St. Mary's'.....	448.28	
32 93 43 00-0110 EA 8' Magnolia grandiflora 'St. Mary's'.....	791.95	
32 93 43 00-0111 EA 10' Magnolia grandiflora 'St. Mary's'.....	995.17	
32 93 43 00-0112 EA 12' Magnolia grandiflora 'St. Mary's'.....	1,195.40	
32 93 43 00-0113 EA 14' Magnolia grandiflora 'St. Mary's'.....	1,389.65	
32 93 43 00-0114 EA 16' Magnolia grandiflora 'St. Mary's'.....	1,643.68	
32 93 43 00-0115 EA 24" Box Magnolia grandiflora 'St. Mary's'.....	493.10	
32 93 43 00-0116 EA 6' Prunus cerasifera - Purple Leaf Plum.....	233.10	
32 93 43 00-0117 EA 8' Prunus cerasifera - Purple Leaf Plum.....	268.96	
32 93 43 00-0118 EA 10' Prunus cerasifera - Purple Leaf Plum.....	346.67	
32 93 43 00-0119 EA 24" Box Prunus cerasifera - Purple Leaf Plum.....	369.08	
32 93 43 00-0120 EA 30" Box Prunus cerasifera - Purple Leaf Plum.....	747.12	
32 93 43 00-0121 EA 36" Box Prunus cerasifera - Purple Leaf Plum.....	1,146.09	
32 93 43 00-0122 EA 6' Pittosporum phillyraeoides - Willow Pittorporum.....	487.13	
32 93 43 00-0123 EA 8' Pittosporum phillyraeoides - Willow Pittorporum.....	696.32	
32 93 43 00-0124 EA 10' Pittosporum phillyraeoides - Willow Pittorporum.....	833.79	
32 93 43 00-0125 EA 12' Pittosporum phillyraeoides - Willow Pittorporum.....	1,075.86	
32 93 43 00-0126 EA 6' Stenocarpus sinuatus - Firewheel Tree.....	717.24	
32 93 43 00-0127 EA 8' Stenocarpus sinuatus - Firewheel Tree.....	956.32	
32 93 43 00-0128 EA 10" Stenocarpus sinuatus - Firewheel Tree.....	1,195.40	
32 93 43 00-0129 EA 12" Stenocarpus sinuatus - Firewheel Tree.....	1,434.48	
32 93 43 00-0130 EA 24" Box Handroanthus impetiginosus (Tabebuia avellanadae) - Pink Trumpet Tree.....	325.85	
32 93 43 00-0131 EA 36" Box Handroanthus impetiginosus (Tabebuia avellanadae) - Pink Trumpet Tree.....	943.25	
32 93 43 00-0132 EA 1-1/2" Caliper Arbutus menziesii - Madrona.....	519.74	
32 93 43 00-0133 EA 2" Caliper Arbutus menziesii - Madrona.....	675.66	
32 93 43 00-0134 EA 2-1/2" Caliper Arbutus menziesii - Madrona.....	779.61	
32 93 43 00-0135 EA 3" Caliper Arbutus menziesii - Madrona.....	883.56	
32 93 43 00-0136 EA 3-1/2" Caliper Arbutus menziesii - Madrona.....	1,039.48	
32 93 43 00-0137 EA 1-1/2" Caliper Koelreuteria bipinnata - Chinese Flame Tree.....	358.62	
32 93 43 00-0138 EA 2" Caliper Koelreuteria bipinnata - Chinese Flame Tree.....	582.76	
32 93 43 00-0139 EA 2-1/2" Caliper Koelreuteria bipinnata - Chinese Flame Tree.....	717.24	
32 93 43 00-0140 EA 3" Caliper Koelreuteria bipinnata - Chinese Flame Tree.....	791.95	
32 93 43 00-0141 EA 24" Box Koelreuteria bipinnata - Chinese Flame Tree.....	349.65	
32 93 43 00-0142 EA 30" Box Koelreuteria bipinnata - Chinese Flame Tree.....	806.90	
32 93 43 00-0143 EA 36" Box Koelreuteria bipinnata - Chinese Flame Tree.....	1,262.64	
32 93 43 00-0144 EA 1-1/2" Cliber Koelreuteria paniculata - Golden Rain Tree.....	325.75	
32 93 43 00-0145 EA 2" Cliber Koelreuteria paniculata - Golden Rain Tree.....	528.96	
32 93 43 00-0146 EA 2-1/2" Cliber Koelreuteria paniculata - Golden Rain Tree.....	648.50	
32 93 43 00-0147 EA 3" Cliber Koelreuteria paniculata - Golden Rain Tree.....	732.18	
32 93 43 00-0148 EA 6' Magnolia grandiflora - Southern Magnolia.....	221.15	
32 93 43 00-0149 EA 7' Magnolia grandiflora - Southern Magnolia.....	334.71	
32 93 43 00-0150 EA 8' Magnolia grandiflora - Southern Magnolia.....	469.19	
32 93 43 00-0151 EA 9' Magnolia grandiflora - Southern Magnolia.....	624.60	
32 93 43 00-0152 EA 10' Magnolia grandiflora - Southern Magnolia.....	950.34	
32 93 43 00-0153 EA 24" Box Magnolia grandiflora - Southern Magnolia.....	388.50	
32 93 43 00-0154 EA 1-1/2" Caliper Tipuana tipu - Tipu Tree.....	463.22	
32 93 43 00-0155 EA 2" Caliper Tipuana tipu - Tipu Tree.....	603.68	
32 93 43 00-0156 EA 2-1/2" Caliper Tipuana tipu - Tipu Tree.....	765.06	
32 93 43 00-0157 EA 3" Caliper Tipuana tipu - Tipu Tree.....	881.61	
32 93 43 00-0158 EA 3-1/2" Caliper Tipuana tipu - Tipu Tree.....	1,297.01	
32 93 43 00-0159 EA 4" Caliper Tipuana tipu - Tipu Tree.....	1,733.33	
32 93 43 00-0160 EA 24" Box Tipuana tipu - Tipu Tree.....	349.65	
32 93 43 00-0161 EA 6' Albizia julibrissin - Silk Tree.....	717.24	
32 93 43 00-0162 EA 8' Albizia julibrissin - Silk Tree.....	956.32	
32 93 43 00-0163 EA 10' Albizia julibrissin - Silk Tree.....	1,195.40	
32 93 43 00-0164 EA 12' Albizia julibrissin - Silk Tree.....	1,434.48	
32 93 43 00-0165 EA 6' Brachychiton acerifolius - Flame Tree.....	717.24	
32 93 43 00-0166 EA 8' Brachychiton acerifolius - Flame Tree.....	956.32	
32 93 43 00-0167 EA 10' Brachychiton acerifolius - Flame Tree.....	1,195.40	
32 93 43 00-0168 EA 12' Brachychiton acerifolius - Flame Tree.....	1,434.48	
32 93 43 00-0169 EA 1-1/2" Caliper Chilopsis linearis - Desert Willow.....	579.77	
32 93 43 00-0170 EA 2" Caliper Chilopsis linearis - Desert Willow.....	696.32	
32 93 43 00-0171 EA 2-1/2" Caliper Chilopsis linearis - Desert Willow.....	741.15	
32 93 43 00-0172 EA 3" Caliper Chilopsis linearis - Desert Willow.....	821.84	
32 93 43 00-0173 EA 5 Gallon Chionanthus retusus - Chinese Fringe Tree.....	29.88	
32 93 43 00-0174 EA 15 Gallon Chionanthus retusus - Chinese Fringe Tree.....	119.54	
32 93 43 00-0175 EA 24" Box Chionanthus retusus - Chinese Fringe Tree.....	597.70	
32 93 43 00-0176 EA 5 Gallon Calodendrum capense - Cape Chestnut.....	44.83	
32 93 43 00-0177 EA 15 Gallon Calodendrum capense - Cape Chestnut.....	179.31	
32 93 43 00-0178 EA 24" Box Calodendrum capense - Cape Chestnut.....	672.41	
32 93 43 00-0179 EA 6' Chionanthus virginicus - White Fringe Tree.....	358.62	
32 93 43 00-0180 EA 8' Chionanthus virginicus - White Fringe Tree.....	570.92	
32 93 43 00-0181 EA 10' Chionanthus virginicus - White Fringe Tree.....	795.21	
32 93 43 00-0182 EA 15 Gallon Geijera parvifolia - Australian Willow.....	244.68	
32 93 43 00-0183 EA 24" Box Geijera parvifolia - Australian Willow.....	503.63	

**32 Exterior Improvements****32 90 Planting****32 93 Plants**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

32 93 43 00-0184	EA	30" Box Geijera parvifolia - Australian Willow	937.94
32 93 43 00-0185	EA	36" Box Geijera parvifolia - Australian Willow	1,345.74
32 93 43 00-0186	EA	1-1/2" Caliper Ginko Biloba - Maidenhair Tree	725.88
32 93 43 00-0187	EA	2" Caliper Ginko Biloba - Maidenhair Tree	1,011.34
32 93 43 00-0188	EA	2-1/2" Caliper Ginko Biloba - Maidenhair Tree	1,219.32
32 93 43 00-0189	EA	3" Caliper Ginko Biloba - Maidenhair Tree	1,423.22
32 93 43 00-0190	EA	3-1/2" Caliper Ginko Biloba - Maidenhair Tree	1,863.65
32 93 43 00-0191	EA	4" Caliper Ginko Biloba - Maidenhair Tree	1,990.06
32 93 43 00-0192	EA	4-1/2" Caliper Ginko Biloba - Maidenhair Tree	2,120.56
32 93 43 00-0193	EA	24" Box Ginko Biloba - Maidenhair Tree	662.68
32 93 43 00-0194	EA	15 Gallon Sapium sebiferum - Chinese Tallow Tree	244.68
32 93 43 00-0195	EA	24" Box Sapium sebiferum - Chinese Tallow Tree	897.16
32 93 43 00-0196	EA	4' To 5' Lagerstroemia indica - Crape Myrtle	260.99
32 93 43 00-0197	EA	6' Lagerstroemia indica - Crape Myrtle	485.28
32 93 43 00-0198	EA	8' Lagerstroemia indica - Crape Myrtle	501.59
32 93 43 00-0199	EA	10' Lagerstroemia indica - Crape Myrtle	607.62
32 93 43 00-0200	EA	24" Box Lagerstroemia indica - Crape Myrtle	477.13
32 93 43 00-0201	EA	5 Gallon Celtis Sinensis - Chinese Hackberry	43.85
32 93 43 00-0202	EA	15 Gallon Celtis Sinensis - Chinese Hackberry	115.61
32 93 43 00-0203	EA	24" Box Celtis Sinensis - Chinese Hackberry	378.73
32 93 43 00-0204	EA	36" Box Celtis Sinensis - Chinese Hackberry	1,106.28
32 93 43 00-0205	EA	5 Gallon Crataegus phaenopyrum - Washington Hawthorn	43.85
32 93 43 00-0206	EA	15 Gallon Crataegus phaenopyrum - Washington Hawthorn	115.61
32 93 43 00-0207	EA	24" Box Crataegus phaenopyrum - Washington Hawthorn	378.73
32 93 43 00-0208	EA	36" Box Crataegus phaenopyrum - Washington Hawthorn	1,106.28
32 93 43 00-0209	EA	1 Gallon Eucalyptus ficifolia - Red-Flowering Gum	12.96
32 93 43 00-0210	EA	5 Gallon Eucalyptus ficifolia - Red-Flowering Gum	35.88
32 93 43 00-0211	EA	15 Gallon Eucalyptus ficifolia - Red-Flowering Gum	157.47
32 93 43 00-0212	EA	24" Box Eucalyptus ficifolia - Red-Flowering Gum	378.73
32 93 43 00-0213	EA	36" Box Eucalyptus ficifolia - Red-Flowering Gum	996.65
32 93 43 00-0214	EA	15 Gallon Fraxinus velutina 'Raywood' - Fan-Tex Ash	97.67
32 93 43 00-0215	EA	24" Box Fraxinus velutina 'Raywood' - Fan-Tex Ash	318.93
32 93 43 00-0216	EA	36" Box Fraxinus velutina 'Raywood' - Fan-Tex Ash	847.15
32 93 43 00-0217	EA	48" Box Fraxinus velutina 'Raywood' - Fan-Tex Ash	1,893.64
32 93 43 00-0218	EA	5 Gallon Gleditsia triacanthos 'Shademaster' - Shademaster Honey Locust	27.91
32 93 43 00-0219	EA	15 Gallon Gleditsia triacanthos 'Shademaster' - Shademaster Honey Locust	97.67
32 93 43 00-0220	EA	24" Box Gleditsia triacanthos 'Shademaster' - Shademaster Honey Locust	318.93
32 93 43 00-0221	EA	36" Box Gleditsia triacanthos 'Shademaster' - Shademaster Honey Locust	847.15
32 93 43 00-0222	EA	48" Box Gleditsia triacanthos 'Shademaster' - Shademaster Honey Locust	1,893.64
32 93 43 00-0223	EA	5 Gallon Liquidambar styraciflua 'Burgundy' - Burgundy Sweetgum	27.91
32 93 43 00-0224	EA	15 Gallon Liquidambar styraciflua 'Burgundy' - Burgundy Sweetgum	117.60
32 93 43 00-0225	EA	24" Box Liquidambar styraciflua 'Burgundy' - Burgundy Sweetgum	318.93
32 93 43 00-0226	EA	36" Box Liquidambar styraciflua 'Burgundy' - Burgundy Sweetgum	896.98
32 93 43 00-0227	EA	48" Box Liquidambar styraciflua 'Burgundy' - Burgundy Sweetgum	2,292.30
32 93 43 00-0228	EA	5 Gallon Liquidambar styraciflua 'Festival' - Festival Sweetgum	27.91
32 93 43 00-0229	EA	15 Gallon Liquidambar styraciflua 'Festival' - Festival Sweetgum	117.60
32 93 43 00-0230	EA	24" Box Liquidambar styraciflua 'Festival' - Festival Sweetgum	318.93
32 93 43 00-0231	EA	36" Box Liquidambar styraciflua 'Festival' - Festival Sweetgum	896.98
32 93 43 00-0232	EA	48" Box Liquidambar styraciflua 'Festival' - Festival Sweetgum	2,292.30
32 93 43 00-0233	EA	5 Gallon Liquidambar styraciflua 'Palo Alto' - Palo Alto Sweetgum	27.91
32 93 43 00-0234	EA	15 Gallon Liquidambar styraciflua 'Palo Alto' - Palo Alto Sweetgum	117.60
32 93 43 00-0235	EA	24" Box Liquidambar styraciflua 'Palo Alto' - Palo Alto Sweetgum	318.93
32 93 43 00-0236	EA	36" Box Liquidambar styraciflua 'Palo Alto' - Palo Alto Sweetgum	896.98
32 93 43 00-0237	EA	48" Box Liquidambar styraciflua 'Palo Alto' - Palo Alto Sweetgum	2,292.30
32 93 43 00-0238	EA	1 Gallon Pittosporum undulatum - Victorian Box	11.15
32 93 43 00-0239	EA	5 Gallon Pittosporum undulatum - Victorian Box	24.01
32 93 43 00-0240	EA	15 Gallon Pittosporum undulatum - Victorian Box	135.48
32 93 43 00-0241	EA	24" Box Pittosporum undulatum - Victorian Box	325.85
32 93 43 00-0242	EA	36" Box Pittosporum undulatum - Victorian Box	943.25
32 93 43 00-0243	EA	48" Box Pittosporum undulatum - Victorian Box	2,143.75
32 93 43 00-0244	EA	15 Gallon Prunus cerasifera 'Thundercloud' - Thundercloud Purple Leaf Plum	99.57
32 93 43 00-0245	EA	24" Box Prunus cerasifera 'Thundercloud' - Thundercloud Purple Leaf Plum	358.69

**32 93 43 00-0246****Deciduous Shade Trees** (32 93 43)

Note: All trees listed by caliper of trunk or height of tree if field grown, dug with spade, balled and burlapped and delivered to site.

32 93 43 00-0247	EA	3-1/2" To 4" Caliper Acer palmatum - Bloodgood Japanese Maple	216.65
32 93 43 00-0248	EA	4" To 4-1/2" Caliper Acer palmatum - Bloodgood Japanese Maple	265.57
32 93 43 00-0249	EA	4-1/2" To 5" Caliper Acer palmatum - Bloodgood Japanese Maple	345.95
32 93 43 00-0250	EA	5" To 6" Caliper Acer palmatum - Bloodgood Japanese Maple	448.45
32 93 43 00-0251	EA	2" To 2-1/2" Caliper Acer palmatum - Japanese Maple	22.85
32 93 43 00-0252	EA	4" To 5" Caliper Acer palmatum - Japanese Maple	47.99
32 93 43 00-0253	EA	5" To 6" Caliper Acer palmatum - Japanese Maple	62.84
32 93 43 00-0254	EA	6" To 7" Caliper Acer palmatum - Japanese Maple	114.26
32 93 43 00-0255	EA	7" To 8" Caliper Acer palmatum - Japanese Maple	159.96
32 93 43 00-0256	EA	8" To 10" Caliper Acer palmatum - Japanese Maple	205.66
32 93 43 00-0257	EA	10" To 12" Caliper Acer palmatum - Japanese Maple	274.22
32 93 43 00-0258	EA	2" Caliper Acer platanoides & cvs - Norway Maple	116.48
32 93 43 00-0259	EA	2" Caliper Acer platanoides & cvs - Norway Maple	141.80
32 93 43 00-0260	EA	3" Caliper Acer platanoides & cvs - Norway Maple	182.32



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0261 EA 3-1/2" Caliper Acer platanoides & cvs - Norway Maple .....	212.70	
32 93 43 00-0262 EA 4" Caliper Acer platanoides & cvs - Norway Maple .....	227.90	
32 93 43 00-0263 EA 4-1/2" Caliper Acer platanoides & cvs - Norway Maple .....	248.15	
32 93 43 00-0264 EA 5" Caliper Acer platanoides & cvs - Norway Maple .....	278.54	
32 93 43 00-0265 EA 2" Caliper Acer rubrum & cvs - Red Maple .....	111.42	
32 93 43 00-0266 EA 2-1/2" Caliper Acer rubrum & cvs - Red Maple .....	141.80	
32 93 43 00-0267 EA 3" Caliper Acer rubrum & cvs - Red Maple .....	182.32	
32 93 43 00-0268 EA 3-1/2" Caliper Acer rubrum & cvs - Red Maple .....	222.83	
32 93 43 00-0269 EA 4" Caliper Acer rubrum & cvs - Red Maple .....	253.22	
32 93 43 00-0270 EA 4-1/2" Caliper Acer rubrum & cvs - Red Maple .....	293.73	
32 93 43 00-0271 EA 5" Caliper Acer rubrum & cvs - Red Maple .....	329.18	
32 93 43 00-0272 EA 8" Clump Form Acer rubrum & cvs - Red Maple .....	136.74	
32 93 43 00-0273 EA 10' Clump Form Acer rubrum & cvs - Red Maple .....	182.32	
32 93 43 00-0274 EA 12' Clump Form Acer rubrum & cvs - Red Maple .....	212.70	
32 93 43 00-0275 EA 14' Clump Form Acer rubrum & cvs - Red Maple .....	243.09	
32 93 43 00-0276 EA 16' Clump Form Acer rubrum & cvs - Red Maple .....	273.47	
32 93 43 00-0277 EA 18' Clump Form Acer rubrum & cvs - Red Maple .....	303.86	
32 93 43 00-0278 EA 2" Caliper Aesculus hippocastanum & cvs - Common Horsechestnut .....	177.25	
32 93 43 00-0279 EA 2-1/2" Caliper Aesculus hippocastanum & cvs - Common Horsechestnut .....	197.51	
32 93 43 00-0280 EA 3" Caliper Aesculus hippocastanum & cvs - Common Horsechestnut .....	222.83	
32 93 43 00-0281 EA 3-1/2" Caliper Aesculus hippocastanum & cvs - Common Horsechestnut .....	253.22	
32 93 43 00-0282 EA 4" Caliper Aesculus hippocastanum & cvs - Common Horsechestnut .....	303.86	
32 93 43 00-0283 EA 2" Caliper Betula nigra - River Birch .....	126.61	
32 93 43 00-0284 EA 2-1/2" Caliper Betula nigra - River Birch .....	143.37	
32 93 43 00-0285 EA 3" Caliper Betula nigra - River Birch .....	162.06	
32 93 43 00-0286 EA 3-1/2" Caliper Betula nigra - River Birch .....	202.57	
32 93 43 00-0287 EA 4" Caliper Betula nigra - River Birch .....	227.90	
32 93 43 00-0288 EA 4-1/2" Caliper Betula nigra - River Birch .....	253.22	
32 93 43 00-0289 EA 5" Caliper Betula nigra - River Birch .....	278.54	
32 93 43 00-0290 EA 8' Clump Form Betula nigra - River Birch .....	116.48	
32 93 43 00-0291 EA 10' Clump Form Betula nigra - River Birch .....	131.67	
32 93 43 00-0292 EA 12' Clump Form Betula nigra - River Birch .....	151.93	
32 93 43 00-0293 EA 14' Clump Form Betula nigra - River Birch .....	177.25	
32 93 43 00-0294 EA 16' Clump Form Betula nigra - River Birch .....	202.57	
32 93 43 00-0295 EA 12' Clump Form Betula platyphylla japonica & cvs - Asian White Birch .....	151.93	
32 93 43 00-0296 EA 14' Clump Form Betula platyphylla japonica & cvs - Asian White Birch .....	182.32	
32 93 43 00-0297 EA 16' Clump Form Betula platyphylla japonica & cvs - Asian White Birch .....	212.70	
32 93 43 00-0298 EA 18' Clump Form Betula platyphylla japonica & cvs - Asian White Birch .....	253.22	
32 93 43 00-0299 EA 20' Clump Form Betula platyphylla japonica & cvs - Asian White Birch .....	263.35	
32 93 43 00-0300 EA 2" Caliper Carpinus betulus & cvs - European Hornbeam .....	202.57	
32 93 43 00-0301 EA 2-1/2" Caliper Carpinus betulus & cvs - European Hornbeam .....	227.90	
32 93 43 00-0302 EA 3" Caliper Carpinus betulus & cvs - European Hornbeam .....	263.35	
32 93 43 00-0303 EA 3-1/2" Caliper Carpinus betulus & cvs - European Hornbeam .....	319.05	
32 93 43 00-0304 EA 6' Clump Form Carpinus betulus & cvs - European Hornbeam .....	91.16	
32 93 43 00-0305 EA 7' Clump Form Carpinus betulus & cvs - European Hornbeam .....	126.61	
32 93 43 00-0306 EA 8' Clump Form Carpinus betulus & cvs - European Hornbeam .....	156.99	
32 93 43 00-0307 EA 2" Caliper Catalpa speciosa - Western Catalpa .....	111.42	
32 93 43 00-0308 EA 2-1/2" Caliper Catalpa speciosa - Western Catalpa .....	151.93	
32 93 43 00-0309 EA 3" Caliper Catalpa speciosa - Western Catalpa .....	197.51	
32 93 43 00-0310 EA 3-1/2" Caliper Catalpa speciosa - Western Catalpa .....	238.02	
32 93 43 00-0311 EA 4" Caliper Catalpa speciosa - Western Catalpa .....	273.47	
32 93 43 00-0312 EA 8' Clump Form Corylus cornuta californica - Western Filbert .....	141.80	
32 93 43 00-0313 EA 10' Clump Form Corylus cornuta californica - Western Filbert .....	172.19	
32 93 43 00-0314 EA 12' Clump Form Corylus cornuta californica - Western Filbert .....	202.57	
32 93 43 00-0315 EA 1-1/2" Caliper Diospyros - Persimmon .....	91.16	
32 93 43 00-0316 EA 2" Caliper Diospyros - Persimmon .....	111.42	
32 93 43 00-0317 EA 2-1/2" Caliper Diospyros - Persimmon .....	141.80	
32 93 43 00-0318 EA 3" Caliper Diospyros - Persimmon .....	177.25	
32 93 43 00-0319 EA 3-1/2" Caliper Diospyros - Persimmon .....	212.70	
32 93 43 00-0320 EA 2" Caliper Fagus sylvatica & cvs - European Beech .....	227.90	
32 93 43 00-0321 EA 2-1/2" Caliper Fagus sylvatica & cvs - European Beech .....	273.47	
32 93 43 00-0322 EA 3" Caliper Fagus sylvatica & cvs - European Beech .....	329.18	
32 93 43 00-0323 EA 3-1/2" Caliper Fagus sylvatica & cvs - European Beech .....	364.63	
32 93 43 00-0324 EA 4" Caliper Fagus sylvatica & cvs - European Beech .....	430.47	
32 93 43 00-0325 EA 4-1/2" Caliper Fagus sylvatica & cvs - European Beech .....	557.08	
32 93 43 00-0326 EA 5" Caliper Fagus sylvatica & cvs - European Beech .....	658.37	
32 93 43 00-0327 EA 2" Caliper Fraxinus americana & cvs - White Ash .....	126.61	
32 93 43 00-0328 EA 2-1/2" Caliper Fraxinus americana & cvs - White Ash .....	151.93	
32 93 43 00-0329 EA 3" Caliper Fraxinus americana & cvs - White Ash .....	192.45	
32 93 43 00-0330 EA 3-1/2" Caliper Fraxinus americana & cvs - White Ash .....	232.96	
32 93 43 00-0331 EA 4" Caliper Fraxinus americana & cvs - White Ash .....	273.47	
32 93 43 00-0332 EA 4-1/2" Caliper Fraxinus americana & cvs - White Ash .....	303.86	
32 93 43 00-0333 EA 5" Caliper Fraxinus americana & cvs - White Ash .....	354.50	
32 93 43 00-0334 EA 1-1/2" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree) .....	177.25	
32 93 43 00-0335 EA 2" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree) .....	197.51	
32 93 43 00-0336 EA 2-1/2" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree) .....	222.83	
32 93 43 00-0337 EA 3" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree) .....	248.15	
32 93 43 00-0338 EA 3-1/2" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree) .....	278.54	
32 93 43 00-0339 EA 4" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree) .....	303.86	
32 93 43 00-0340 EA 4-1/2" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree) .....	455.79	
32 93 43 00-0341 EA 5" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree) .....	506.43	

**32 Exterior Improvements****32 90 Planting****32 93 Plants**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

32 93 43 00-0342	EA	2" Caliper Gleditsia triacanthos inermis & cvs - Thornless Common Honeylocust.....	121.54	
32 93 43 00-0343	EA	2-1/2" Caliper Gleditsia triacanthos inermis & cvs - Thornless Common Honeylocust .....	151.93	
32 93 43 00-0344	EA	3" Caliper Gleditsia triacanthos inermis & cvs - Thornless Common Honeylocust.....	182.32	
32 93 43 00-0345	EA	3-1/2" Caliper Gleditsia triacanthos inermis & cvs - Thornless Common Honeylocust .....	212.70	
32 93 43 00-0346	EA	4" Caliper Gleditsia triacanthos inermis & cvs - Thornless Common Honeylocust.....	243.09	
32 93 43 00-0347	EA	4-1/2" Caliper Gleditsia triacanthos inermis & cvs - Thornless Common Honeylocust .....	273.47	
32 93 43 00-0348	EA	5" Caliper Gleditsia triacanthos inermis & cvs - Thornless Common Honeylocust.....	324.12	
32 93 43 00-0349	EA	10' - 12' Bursera Simaruba - Gumbo Limbo.....	64.06	
32 93 43 00-0350	EA	12' - 14' Bursera Simaruba - Gumbo Limbo.....	75.71	
32 93 43 00-0351	EA	14' - 16' Bursera Simaruba - Gumbo Limbo.....	104.83	
32 93 43 00-0352	EA	17' - 18' Bursera Simaruba - Gumbo Limbo.....	136.28	
32 93 43 00-0353	EA	19' - 20' Bursera Simaruba - Gumbo Limbo.....	151.42	
32 93 43 00-0354	EA	21' - 22' Bursera Simaruba - Gumbo Limbo.....	179.38	
32 93 43 00-0355	EA	1-1/2" Caliper Juglans californica - California Walnut .....	121.54	
32 93 43 00-0356	EA	2" Caliper Juglans californica - California Walnut .....	141.80	
32 93 43 00-0357	EA	2-1/2" Caliper Juglans californica - California Walnut .....	177.25	
32 93 43 00-0358	EA	3" Caliper Juglans californica - California Walnut .....	222.83	
32 93 43 00-0359	EA	3-1/2" Caliper Juglans californica - California Walnut .....	273.47	
32 93 43 00-0360	EA	4" Caliper Juglans californica - California Walnut .....	329.18	
32 93 43 00-0361	EA	4-1/2" Caliper Juglans californica - California Walnut .....	379.83	
32 93 43 00-0362	EA	5" Caliper Juglans californica - California Walnut .....	430.47	
32 93 43 00-0363	EA	5 Gallon Koelreuteria Paniculata - Goldenrain Tree .....	13.71	
32 93 43 00-0364	EA	15 Gallon Koelreuteria Paniculata - Goldenrain Tree .....	34.28	
32 93 43 00-0365	EA	20 Gallon Koelreuteria Paniculata - Goldenrain Tree .....	68.55	
32 93 43 00-0366	EA	55 Gallon Koelreuteria Paniculata - Goldenrain Tree .....	89.12	
32 93 43 00-0367	EA	1-1/2" To 2" Caliper Koelreuteria Paniculata - Goldenrain Tree.....	65.13	
32 93 43 00-0368	EA	2" To 2-1/2" Caliper Koelreuteria Paniculata - Goldenrain Tree.....	78.84	
32 93 43 00-0369	EA	2-1/2" To 3" Caliper Koelreuteria Paniculata - Goldenrain Tree.....	109.69	
32 93 43 00-0370	EA	1-1/2" Caliper Liquidambar styraciflua - American Sweetgum .....	162.06	
32 93 43 00-0371	EA	2" Caliper Liquidambar styraciflua - American Sweetgum .....	202.57	
32 93 43 00-0372	EA	2-1/2" Caliper Liquidambar styraciflua - American Sweetgum .....	253.22	
32 93 43 00-0373	EA	3" Caliper Liquidambar styraciflua - American Sweetgum .....	303.86	
32 93 43 00-0374	EA	3-1/2" Caliper Liquidambar styraciflua - American Sweetgum .....	354.50	
32 93 43 00-0375	EA	1-1/2" Caliper Liriodendron tulipifera - Tulip Tree .....	162.06	
32 93 43 00-0376	EA	2" Caliper Liriodendron tulipifera - Tulip Tree.....	222.83	
32 93 43 00-0377	EA	2-1/2" Caliper Liriodendron tulipifera - Tulip Tree.....	263.35	
32 93 43 00-0378	EA	3" Caliper Liriodendron tulipifera - Tulip Tree.....	303.86	
32 93 43 00-0379	EA	3-1/2" Caliper Liriodendron tulipifera - Tulip Tree .....	344.38	
32 93 43 00-0380	EA	8' Clump Form Liriodendron tulipifera - Tulip Tree .....	121.54	
32 93 43 00-0381	EA	10' Clump Form Liriodendron tulipifera - Tulip Tree.....	217.77	
32 93 43 00-0382	EA	12' Clump Form Liriodendron tulipifera - Tulip Tree.....	263.35	
32 93 43 00-0383	EA	1-1/2" Caliper Nyssa sylvatica - Black Tupelo Sour Gum .....	162.06	
32 93 43 00-0384	EA	2" Caliper Nyssa sylvatica - Black Tupelo Sour Gum .....	202.57	
32 93 43 00-0385	EA	2-1/2" Caliper Nyssa sylvatica - Black Tupelo Sour Gum .....	253.22	
32 93 43 00-0386	EA	3" Caliper Nyssa sylvatica - Black Tupelo Sour Gum .....	303.86	
32 93 43 00-0387	EA	3-1/2" Caliper Nyssa sylvatica - Black Tupelo Sour Gum .....	354.50	
32 93 43 00-0388	EA	4' Clump Form Nyssa sylvatica - Black Tupelo Sour Gum .....	70.90	
32 93 43 00-0389	EA	5' Clump Form Nyssa sylvatica - Black Tupelo Sour Gum .....	81.03	
32 93 43 00-0390	EA	6' Clump Form Nyssa sylvatica - Black Tupelo Sour Gum .....	96.22	
32 93 43 00-0391	EA	7' Clump Form Nyssa sylvatica - Black Tupelo Sour Gum.....	121.54	
32 93 43 00-0392	EA	8' Clump Form Nyssa sylvatica - Black Tupelo Sour Gum.....	151.93	
32 93 43 00-0393	EA	30" Box Platanus Occidentalis - Buttonwood Sycamore.....	220.02	
32 93 43 00-0394	EA	36" Box Platanus Occidentalis - Buttonwood Sycamore.....	320.03	
32 93 43 00-0395	EA	42" Box Platanus occidentalis - Buttonwood Sycamore.....	476.07	
32 93 43 00-0396	EA	1-1/2" To 2" Caliper Platanus occidentalis - Buttonwood Sycamore.....	73.62	
32 93 43 00-0397	EA	2" To 2-1/2" Caliper Platanus occidentalis - Buttonwood Sycamore.....	88.01	
32 93 43 00-0398	EA	2-1/2" To 3" Caliper Platanus occidentalis - Buttonwood Sycamore.....	120.01	
32 93 43 00-0399	EA	3" To 3-1/2" Caliper Platanus occidentalis - Buttonwood Sycamore.....	145.64	
32 93 43 00-0400	EA	8' To 10' Platanus occidentalis - Green Or Silver Buttonwood .....	60.57	
32 93 43 00-0401	EA	10' To 12' Platanus occidentalis - Green Or Silver Buttonwood.....	75.71	
32 93 43 00-0402	EA	12' To 14' Platanus occidentalis - Green Or Silver Buttonwood.....	133.95	
32 93 43 00-0403	EA	16' To 18' Platanus occidentalis - Green Or Silver Buttonwood.....	192.19	
32 93 43 00-0404	EA	2" Caliper Platanus x acerifolia & cvs - London Planetree.....	121.54	
32 93 43 00-0405	EA	2-1/2" Caliper Platanus x acerifolia & cvs - London Planetree.....	146.87	
32 93 43 00-0406	EA	3" Caliper Platanus x acerifolia & cvs - London Planetree.....	177.25	
32 93 43 00-0407	EA	3-1/2" Caliper Platanus x acerifolia & cvs - London Planetree.....	212.70	
32 93 43 00-0408	EA	4" Caliper Platanus x acerifolia & cvs - London Planetree.....	253.22	
32 93 43 00-0409	EA	2" Caliper Populus alba & cvs - White Poplar.....	121.54	
32 93 43 00-0410	EA	2-1/2" Caliper Populus alba & cvs - White Poplar.....	141.80	
32 93 43 00-0411	EA	3" Caliper Populus alba & cvs - White Poplar.....	162.06	
32 93 43 00-0412	EA	3-1/2" Caliper Populus alba & cvs - White Poplar.....	192.45	
32 93 43 00-0413	EA	4" Caliper Populus alba & cvs - White Poplar.....	212.70	
32 93 43 00-0414	EA	4-1/2" Caliper Populus alba & cvs - White Poplar.....	243.09	
32 93 43 00-0415	EA	2" Caliper Populus deltoides & cvs - Eastern Cottonwood.....	111.42	
32 93 43 00-0416	EA	2-1/2" Caliper Populus deltoides & cvs - Eastern Cottonwood.....	146.87	
32 93 43 00-0417	EA	3" Caliper Populus deltoides & cvs - Eastern Cottonwood.....	177.25	
32 93 43 00-0418	EA	3-1/2" Caliper Populus deltoides & cvs - Eastern Cottonwood.....	212.70	
32 93 43 00-0419	EA	4" Caliper Populus deltoides & cvs - Eastern Cottonwood.....	253.22	
32 93 43 00-0420	EA	2" Caliper Quercus palustris - Pin Oak .....	111.42	
32 93 43 00-0421	EA	2-1/2" Caliper Quercus palustris - Pin Oak .....	151.93	
32 93 43 00-0422	EA	3" Caliper Quercus palustris - Pin Oak .....	197.51	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0423 EA 3-1/2" Caliper Quercus palustris - Pin Oak .....	227.90	
32 93 43 00-0424 EA 4" Caliper Quercus palustris - Pin Oak .....	263.35	
32 93 43 00-0425 EA 4-1/2" Caliper Quercus palustris - Pin Oak .....	298.80	
32 93 43 00-0426 EA 5" Caliper Quercus palustris - Pin Oak .....	329.18	
32 93 43 00-0427 EA 2" Caliper Quercus shumardii - Shumard Oak.....	172.19	
32 93 43 00-0428 EA 2-1/2" Caliper Quercus shumardii - Shumard Oak.....	217.77	
32 93 43 00-0429 EA 3" Caliper Quercus shumardii - Shumard Oak.....	253.22	
32 93 43 00-0430 EA 3-1/2" Caliper Quercus shumardii - Shumard Oak.....	303.86	
32 93 43 00-0431 EA 4" Caliper Quercus shumardii - Shumard Oak.....	354.50	
32 93 43 00-0432 EA 4-1/2" Caliper Quercus shumardii - Shumard Oak.....	405.15	
32 93 43 00-0433 EA 5" Caliper Quercus shumardii - Shumard Oak.....	455.79	
32 93 43 00-0434 EA 24" Box Salix babylonica - Weeping Willow.....	128.01	
32 93 43 00-0435 EA 36" Box Salix babylonica - Weeping Willow.....	320.03	
32 93 43 00-0436 EA 1-1/2" To 2" Caliper Salix babylonica - Weeping Willow.....	73.62	
32 93 43 00-0437 EA 2" To 2-1/2" Caliper Salix babylonica - Weeping Willow.....	88.01	
32 93 43 00-0438 EA 2-1/2" To 3" Caliper Salix babylonica - Weeping Willow.....	96.01	
32 93 43 00-0439 EA 2' Thuja occidentalis - American Arborvitae.....	17.36	
32 93 43 00-0440 EA 2-1/2' Thuja occidentalis - American Arborvitae.....	18.75	
32 93 43 00-0441 EA 3' Thuja occidentalis - American Arborvitae.....	26.79	
32 93 43 00-0442 EA 4' Thuja occidentalis - American Arborvitae.....	36.81	
32 93 43 00-0443 EA 5' Thuja occidentalis - American Arborvitae.....	51.25	
32 93 43 00-0444 EA 6' Thuja occidentalis - American Arborvitae.....	71.05	
32 93 43 00-0445 EA 7' Thuja occidentalis - American Arborvitae.....	86.20	
32 93 43 00-0446 EA 8' Thuja occidentalis - American Arborvitae.....	121.14	
32 93 43 00-0447 EA 2" Caliper Tilia cordata & cvs - Littleleaf Linden.....	127.37	
32 93 43 00-0448 EA 2-1/2" Caliper Tilia cordata & cvs - Littleleaf Linden.....	153.85	
32 93 43 00-0449 EA 3" Caliper Tilia cordata & cvs - Littleleaf Linden.....	177.25	
32 93 43 00-0450 EA 3-1/2" Caliper Tilia cordata & cvs - Littleleaf Linden.....	217.77	
32 93 43 00-0451 EA 4" Caliper Tilia cordata & cvs - Littleleaf Linden.....	248.15	
32 93 43 00-0452 EA 4-1/2" Caliper Tilia cordata & cvs - Littleleaf Linden.....	278.54	
32 93 43 00-0453 EA 5" Caliper Tilia cordata & cvs - Littleleaf Linden.....	308.93	
32 93 43 00-0454 EA 2" Caliper Ulmus x 'Homestead' - Homestead Hybrid Elm.....	141.80	
32 93 43 00-0455 EA 2-1/2" Caliper Ulmus x 'Homestead' - Homestead Hybrid Elm.....	162.06	
32 93 43 00-0456 EA 3" Caliper Ulmus x 'Homestead' - Homestead Hybrid Elm.....	177.25	
32 93 43 00-0457 EA 3-1/2" Caliper Ulmus x 'Homestead' - Homestead Hybrid Elm.....	192.45	
32 93 43 00-0458 EA 4" Caliper Ulmus x 'Homestead' - Homestead Hybrid Elm.....	212.70	
32 93 43 00-0459 EA 4-1/2" Caliper Ulmus x 'Homestead' - Homestead Hybrid Elm.....	253.22	
32 93 43 00-0460 EA 5" Caliper Ulmus x 'Homestead' - Homestead Hybrid Elm.....	298.80	
32 93 43 00-0461 EA 2" Caliper Ulmus x 'Pioneer' - Pioneer Hybrid Elm.....	162.06	
32 93 43 00-0462 EA 2-1/2" Caliper Ulmus x 'Pioneer' - Pioneer Hybrid Elm.....	177.25	
32 93 43 00-0463 EA 3" Caliper Ulmus x 'Pioneer' - Pioneer Hybrid Elm.....	192.45	
32 93 43 00-0464 EA 3-1/2" Caliper Ulmus x 'Pioneer' - Pioneer Hybrid Elm.....	212.70	
32 93 43 00-0465 EA 4" Caliper Ulmus x 'Pioneer' - Pioneer Hybrid Elm.....	253.22	
32 93 43 00-0466 EA 4-1/2" Caliper Ulmus x 'Pioneer' - Pioneer Hybrid Elm.....	298.80	
32 93 43 00-0467 EA 5" Caliper Ulmus x 'Pioneer' - Pioneer Hybrid Elm.....	344.38	
32 93 43 00-0468 EA 2" Caliper Ulmus x 'Regal' - Regal Hybrid Elm.....	162.06	
32 93 43 00-0469 EA 2-1/2" Mary-Louise Parker Ulmus x 'Regal' - Regal Hybrid Elm.....	177.25	
32 93 43 00-0470 EA 3" Caliper Ulmus x 'Regal' - Regal Hybrid Elm.....	192.45	
32 93 43 00-0471 EA 3-1/2" Caliper Ulmus x 'Regal' - Regal Hybrid Elm.....	212.70	
32 93 43 00-0472 EA 4" Caliper Ulmus x 'Regal' - Regal Hybrid Elm.....	253.22	
32 93 43 00-0473 EA 4-1/2" Caliper Ulmus x 'Regal' - Regal Hybrid Elm.....	298.80	
32 93 43 00-0474 EA 5" Caliper Ulmus x 'Regal' - Regal Hybrid Elm.....	344.38	
32 93 43 00-0475 EA 1-1/2" To 2" Caliper Platanus acerifolia "Bloodgold" - London Plane.....	379.25	
32 93 43 00-0476 EA 2" To 2-1/2" Caliper Platanus acerifolia "Bloodgold" - London Plane.....	676.95	
32 93 43 00-0477 EA 2-1/2" To 3" Caliper Platanus acerifolia "Bloodgold" - London Plane.....	990.95	
32 93 43 00-0478 EA 3" To 3-1/2" Caliper Platanus acerifolia "Bloodgold" - London Plane.....	1,231.56	
32 93 43 00-0479 EA 3-1/2" To 4" Caliper Platanus acerifolia "Bloodgold" - London Plane.....	1,594.50	
32 93 43 00-0480 EA 4" To 5" Caliper Platanus acerifolia "Bloodgold" - London Plane.....	1,814.71	
32 93 43 00-0481 EA 24" Box Platanus acerifolia "Bloodgold" - London Plane.....	477.13	
32 93 43 00-0482 EA 1-1/2" Caliper Quercus suber - Cork Oak.....	570.92	
32 93 43 00-0483 EA 2" Caliper Quercus suber - Cork Oak.....	791.13	
32 93 43 00-0484 EA 2-1/2" Caliper Quercus suber - Cork Oak.....	1,011.34	
32 93 43 00-0485 EA 3" Caliper Quercus suber - Cork Oak.....	1,264.18	
32 93 43 00-0486 EA 3-1/2" Caliper Quercus suber - Cork Oak.....	1,896.27	
32 93 43 00-0487 EA 4" Caliper Quercus suber - Cork Oak.....	2,446.80	
32 93 43 00-0488 EA 4-1/2" Caliper Quercus suber - Cork Oak.....	3,180.84	
32 93 43 00-0489 EA 1-1/2" Caliper Quercus ilex - Holly Oak.....	632.09	
32 93 43 00-0490 EA 2" Caliper Quercus ilex - Holly Oak.....	852.30	
32 93 43 00-0491 EA 2-1/2" Caliper Quercus ilex - Holly Oak.....	1,043.97	
32 93 43 00-0492 EA 3" Caliper Quercus ilex - Holly Oak.....	1,264.18	
32 93 43 00-0493 EA 3-1/2" Caliper Quercus ilex - Holly Oak.....	1,896.27	
32 93 43 00-0494 EA 4" Caliper Quercus ilex - Holly Oak.....	2,446.80	

**32 93 43 00-0495**

**Evergreen Trees (32 93 43)**

Note: All trees listed by caliper of trunk or height of tree if field grown, dug with spade, balled and burlapped and delivered to site.

32 93 43 00-0496 EA 2' To 3' Cedrus atlantica - Blue Atlas Cedar.....	22.30	
32 93 43 00-0497 EA 3' To 4' Cedrus atlantica - Blue Atlas Cedar.....	35.85	
32 93 43 00-0498 EA 4' To 5' Cedrus atlantica - Blue Atlas Cedar.....	53.27	
32 93 43 00-0499 EA 5' To 6' Cedrus atlantica - Blue Atlas Cedar.....	71.66	

**32 Exterior Improvements****32 90 Planting****32 93 Plants**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 93 43 00-0500	EA	7' To 8' Cedrus atlantica - Blue Atlas Cedar	101.74	
32 93 43 00-0501	EA	6' To 8' Cedrus deodara - Indian Cedar	92.06	
32 93 43 00-0502	EA	8' To 10' Cedrus deodara - Indian Cedar	106.59	
32 93 43 00-0503	EA	10' To 12' Cedrus deodara - Indian Cedar	145.33	
32 93 43 00-0504	EA	12' To 14' Cedrus deodara - Indian Cedar	188.91	
32 93 43 00-0505	EA	14' To 16' Cedrus deodara - Indian Cedar	242.22	
32 93 43 00-0506	EA	15" To 18" Chamaecyparis obtusa - Compact Hinoki Cypress	28.78	
32 93 43 00-0507	EA	18" To 24" Chamaecyparis obtusa - Compact Hinoki Cypress	43.17	
32 93 43 00-0508	EA	2' To 3' Chamaecyparis obtusa - Compact Hinoki Cypress	67.14	
32 93 43 00-0509	EA	3' To 4' Chamaecyparis obtusa - Compact Hinoki Cypress	115.11	
32 93 43 00-0510	EA	5 Gallon Cupressocyparis leylandii - Leyland Cypress	15.83	
32 93 43 00-0511	EA	15 Gallon Cupressocyparis leylandii - Leyland Cypress	63.33	
32 93 43 00-0512	EA	4' To 5' Cupressocyparis leylandii - Leyland Cypress	27.71	
32 93 43 00-0513	EA	5' To 6' Cupressocyparis leylandii - Leyland Cypress	35.62	
32 93 43 00-0514	EA	6' To 7' Cupressocyparis leylandii - Leyland Cypress	55.41	
32 93 43 00-0515	EA	24" Box Cupressocyparis leylandii - Leyland Cypress	134.57	
32 93 43 00-0516	EA	1 Gallon Cupressus macrocarpa - Monterey Cypress	2.89	
32 93 43 00-0517	EA	5 Gallon Cupressus macrocarpa - Monterey Cypress	12.99	
32 93 43 00-0518	EA	15 Gallon Cupressus macrocarpa - Monterey Cypress	43.30	
32 93 43 00-0519	EA	5 Gallon Cupressus sempervirens - Italian Cypress	14.90	
32 93 43 00-0520	EA	15 Gallon Cupressus sempervirens - Italian Cypress	40.98	
32 93 43 00-0521	EA	1 Gallon Juniperus horizontalis "Bar Harbor" - Bar Harbor Juniper	4.38	
32 93 43 00-0522	EA	2 Gallon Juniperus horizontalis "Bar Harbor" - Bar Harbor Juniper	8.57	
32 93 43 00-0523	EA	3 Gallon Juniperus horizontalis "Bar Harbor" - Bar Harbor Juniper	10.62	
32 93 43 00-0524	EA	5 Gallon Juniperus horizontalis "Bar Harbor" - Bar Harbor Juniper	12.48	
32 93 43 00-0525	EA	1 Gallon Juniperus - Blue Sargent Juniper	4.38	
32 93 43 00-0526	EA	2 Gallon Juniperus - Blue Sargent Juniper	8.57	
32 93 43 00-0527	EA	3 Gallon Juniperus - Blue Sargent Juniper	10.62	
32 93 43 00-0528	EA	5 Gallon Juniperus - Blue Sargent Juniper	12.48	
32 93 43 00-0529	EA	5 Gallon Juniperus - Compact Pfitzer Juniper	12.48	
32 93 43 00-0530	EA	15" To 18" Juniperus - Compact Pfitzer Juniper	13.50	
32 93 43 00-0531	EA	18" To 24" Juniperus - Compact Pfitzer Juniper	16.30	
32 93 43 00-0532	EA	2' To 2 1/2' Juniperus - Compact Pfitzer Juniper	24.21	
32 93 43 00-0533	EA	2-1/2' To 3' Juniperus - Compact Pfitzer Juniper	28.03	
32 93 43 00-0534	EA	5' To 6' Juniperus - Fairview Juniper	41.75	
32 93 43 00-0535	EA	1 Gallon Juniperus - Hollywood Juniper	5.59	
32 93 43 00-0536	EA	5 Gallon Juniperus - Hollywood Juniper	15.55	
32 93 43 00-0537	EA	15 Gallon Juniperus - Hollywood Juniper	65.93	
32 93 43 00-0538	EA	4' To 5' Juniperus - Hollywood Juniper	43.58	
32 93 43 00-0539	EA	5' To 6' Juniperus - Hollywood Juniper	56.16	
32 93 43 00-0540	EA	1 Gallon Juniperus - Parson's Juniper	4.38	
32 93 43 00-0541	EA	2 Gallon Juniperus - Parson's Juniper	8.66	
32 93 43 00-0542	EA	3 Gallon Juniperus - Parson's Juniper	10.71	
32 93 43 00-0543	EA	5 Gallon Juniperus - Parson's Juniper	12.67	
32 93 43 00-0544	EA	5 Gallon Juniperus - Skyrocket Juniper	15.65	
32 93 43 00-0545	EA	15 Gallon Juniperus - Skyrocket Juniper	66.59	
32 93 43 00-0546	EA	2' To 3' Juniperus - Skyrocket Juniper	23.47	
32 93 43 00-0547	EA	3' To 4' Juniperus - Skyrocket Juniper	33.25	
32 93 43 00-0548	EA	4' To 5' Juniperus - Skyrocket Juniper	44.05	
32 93 43 00-0549	EA	5' To 6' Juniperus - Skyrocket Juniper	56.81	
32 93 43 00-0550	EA	6' To 8' Juniperus - Skyrocket Juniper	73.38	
32 93 43 00-0551	EA	1 Gallon Juniperus horizontalis "Wiltonii" - Blue Rug Juniper	4.38	
32 93 43 00-0552	EA	2 Gallon Juniperus horizontalis "Wiltonii" - Blue Rug Juniper	8.62	
32 93 43 00-0553	EA	3 Gallon Juniperus horizontalis "Wiltonii" - Blue Rug Juniper	10.57	
32 93 43 00-0554	EA	5 Gallon Juniperus horizontalis "Wiltonii" - Blue Rug Juniper	12.53	
32 93 43 00-0555	EA	1 Gallon Juniperus horizontalis "Plumosa" - Compact Andorra Juniper	4.38	
32 93 43 00-0556	EA	2 Gallon Juniperus horizontalis "Plumosa" - Compact Andorra Juniper	8.62	
32 93 43 00-0557	EA	3 Gallon Juniperus horizontalis "Plumosa" - Compact Andorra Juniper	10.57	
32 93 43 00-0558	EA	5 Gallon Juniperus horizontalis "Plumosa" - Compact Andorra Juniper	12.53	
32 93 43 00-0559	EA	3' Pinus sylvestris - Scotch Pine	40.68	
32 93 43 00-0560	EA	4' Pinus sylvestris - Scotch Pine	56.47	
32 93 43 00-0561	EA	5' Pinus sylvestris - Scotch Pine	79.25	
32 93 43 00-0562	EA	6' Pinus sylvestris - Scotch Pine	109.97	
32 93 43 00-0563	EA	7' Pinus sylvestris - Scotch Pine	134.73	
32 93 43 00-0564	EA	8' Pinus sylvestris - Scotch Pine	190.21	
32 93 43 00-0565	EA	9' Pinus sylvestris - Scotch Pine	241.48	
32 93 43 00-0566	EA	10' Pinus sylvestris - Scotch Pine	278.63	
32 93 43 00-0567	EA	12' Pinus sylvestris - Scotch Pine	328.16	
32 93 43 00-0568	EA	14' Pinus sylvestris - Scotch Pine	371.50	
32 93 43 00-0569	EA	16' Pinus sylvestris - Scotch Pine	433.42	
32 93 43 00-0570	EA	1 Gallon Pinus thunbergiana - Japanese Black Pine	4.38	
32 93 43 00-0571	EA	5 Gallon Pinus thunbergiana - Japanese Black Pine	15.55	
32 93 43 00-0572	EA	15 Gallon Pinus thunbergiana - Japanese Black Pine	50.38	
32 93 43 00-0573	EA	2' To 3' Pinus thunbergiana - Japanese Black Pine	21.33	
32 93 43 00-0574	EA	3' To 4' Pinus thunbergiana - Japanese Black Pine	27.10	
32 93 43 00-0575	EA	4' To 5' Pinus thunbergiana - Japanese Black Pine	40.70	
32 93 43 00-0576	EA	5' To 6' Pinus thunbergiana - Japanese Black Pine	79.44	
32 93 43 00-0577	EA	6' To 7' Pinus thunbergiana - Japanese Black Pine	89.12	
32 93 43 00-0578	EA	7' To 8' Pinus thunbergiana - Japanese Black Pine	111.38	
32 93 43 00-0579	EA	6' Pinus flexilis & cvs - Limber Pine	154.79	
32 93 43 00-0580	EA	7' Pinus flexilis & cvs - Limber Pine	179.56	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0581 EA 8' Pinus flexilis & cvs - Limber Pine .....	222.90	
32 93 43 00-0582 EA 9' Pinus flexilis & cvs - Limber Pine .....	272.44	
32 93 43 00-0583 EA 10' Pinus flexilis & cvs - Limber Pine .....	309.59	
32 93 43 00-0584 EA 1 Gallon Pinus mugo - Mugho Pine .....	5.77	
32 93 43 00-0585 EA 2 Gallon Pinus mugo - Mugho Pine .....	12.20	
32 93 43 00-0586 EA 3 Gallon Pinus mugo - Mugho Pine .....	15.27	
32 93 43 00-0587 EA 5 Gallon Pinus mugo - Mugho Pine .....	19.37	
32 93 43 00-0588 EA 12" To 15" Spread Pinus mugo - Mugho Pine .....	14.99	
32 93 43 00-0589 EA 15" To 18" Spread Pinus mugo - Mugho Pine .....	17.88	
32 93 43 00-0590 EA 18" To 24" Spread Pinus mugo - Mugho Pine .....	24.21	
32 93 43 00-0591 EA 2' To 2-1/2' Spread Pinus mugo - Mugho Pine .....	33.90	
32 93 43 00-0592 EA 2-1/2' To 3' Spread Pinus mugo - Mugho Pine .....	43.58	
32 93 43 00-0593 EA 3' To 3-1/2' Spread Pinus mugo - Mugho Pine .....	54.29	
32 93 43 00-0594 EA 3-1/2' To 4' Spread Pinus mugo - Mugho Pine .....	65.93	
32 93 43 00-0595 EA 6' Pinus nigra - Austrian Pine.....	154.79	
32 93 43 00-0596 EA 7' Pinus nigra - Austrian Pine.....	185.75	
32 93 43 00-0597 EA 8' Pinus nigra - Austrian Pine.....	241.48	
32 93 43 00-0598 EA 9' Pinus nigra - Austrian Pine.....	278.63	
32 93 43 00-0599 EA 10' Pinus nigra - Austrian Pine.....	328.16	
32 93 43 00-0600 EA 12' Pinus nigra - Austrian Pine.....	371.50	
32 93 43 00-0601 EA 14' Pinus nigra - Austrian Pine.....	414.85	
32 93 43 00-0602 EA 16' Pinus nigra - Austrian Pine.....	470.57	
32 93 43 00-0603 EA 1 Gallon Podocarpus - Chinese Podocarpus .....	2.89	
32 93 43 00-0604 EA 3 Gallon Podocarpus - Chinese Podocarpus .....	6.71	
32 93 43 00-0605 EA 7 Gallon Podocarpus - Chinese Podocarpus .....	19.37	
32 93 43 00-0606 EA 15 Gallon Podocarpus - Chinese Podocarpus .....	31.48	
32 93 43 00-0607 EA 4' To 5' Podocarpus - Chinese Podocarpus .....	48.43	
32 93 43 00-0608 EA 5' To 6' Sequoia sempervirens - Dawn Redwood .....	60.53	
32 93 43 00-0609 EA 6' To 8' Sequoia sempervirens - Dawn Redwood .....	81.72	
32 93 43 00-0610 EA 8' To 10' Sequoia sempervirens - Dawn Redwood .....	99.88	
32 93 43 00-0611 EA 3' To 4' Thuja occidentalis 'Wareana' - Siberian Arborvitae .....	11.67	
32 93 43 00-0612 EA 3' To 4' Thuja occidentalis 'Woodwadii' - Woodward Arborvitae .....	21.85	
32 93 43 00-0613 EA 6' Cedrus decurrens - Incese Cedar .....	103.96	
32 93 43 00-0614 EA 8' Cedrus decurrens - Incese Cedar .....	215.04	
32 93 43 00-0615 EA 10' Cedrus decurrens - Incese Cedar .....	284.82	
32 93 43 00-0616 EA 12' Cedrus decurrens - Incese Cedar .....	377.39	
32 93 43 00-0617 EA 6' Melaleuca linariifolia - Flaxleaf Paperbark .....	299.06	
32 93 43 00-0618 EA 8' Melaleuca linariifolia - Flaxleaf Paperbark .....	398.75	
32 93 43 00-0619 EA 10' Melaleuca linariifolia - Flaxleaf Paperbark .....	498.44	
32 93 43 00-0620 EA 12' Melaleuca linariifolia - Flaxleaf Paperbark .....	598.12	
32 93 43 00-0621 EA 24" Box Melaleuca linariifolia - Flaxleaf Paperbark .....	296.21	
32 93 43 00-0622 EA 6' Melaleuca quinquenervia - Cajeput Tree .....	299.06	
32 93 43 00-0623 EA 8' Melaleuca quinquenervia - Cajeput Tree .....	398.75	
32 93 43 00-0624 EA 10' Melaleuca quinquenervia - Cajeput Tree .....	498.44	
32 93 43 00-0625 EA 12' Melaleuca quinquenervia - Cajeput Tree .....	598.12	
32 93 43 00-0626 EA 24" Box Melaleuca quinquenervia - Cajeput Tree .....	166.62	
32 93 43 00-0627 EA 30" Box Melaleuca quinquenervia - Cajeput Tree .....	420.11	
32 93 43 00-0628 EA 36" Box Melaleuca quinquenervia - Cajeput Tree .....	662.21	
32 93 43 00-0629 EA 4' Metrosideros excelsus - New Zealand Christmas Tree.....	88.29	
32 93 43 00-0630 EA 5' Metrosideros excelsus - New Zealand Christmas Tree.....	119.62	
32 93 43 00-0631 EA 6' Metrosideros excelsus - New Zealand Christmas Tree.....	203.65	
32 93 43 00-0632 EA 8' Metrosideros excelsus - New Zealand Christmas Tree.....	252.07	
32 93 43 00-0633 EA 24" Box Metrosideros excelsus - New Zealand Christmas Tree .....	167.73	
32 93 43 00-0634 EA 6' Pinus canariensis - Canary Island Pine.....	341.78	
32 93 43 00-0635 EA 8' Pinus canariensis - Canary Island Pine.....	455.71	
32 93 43 00-0636 EA 10' Pinus canariensis - Canary Island Pine.....	569.64	
32 93 43 00-0637 EA 12' Pinus canariensis - Canary Island Pine.....	683.57	
32 93 43 00-0638 EA 24" Box Pinus canariensis - Canary Island Pine.....	351.75	
32 93 43 00-0639 EA 6' Pinus pinea - Italian Stone Pine .....	341.78	
32 93 43 00-0640 EA 8' Pinus pinea - Italian Stone Pine .....	455.71	
32 93 43 00-0641 EA 10' Pinus pinea - Italian Stone Pine .....	569.64	
32 93 43 00-0642 EA 12' Pinus pinea - Italian Stone Pine .....	683.57	
32 93 43 00-0643 EA 6' Pittosporum undulatum - Victorian Box .....	187.98	
32 93 43 00-0644 EA 8' Pittosporum undulatum - Victorian Box .....	297.64	
32 93 43 00-0645 EA 10' Pittosporum undulatum - Victorian Box .....	391.63	
32 93 43 00-0646 EA 6' Afrocarpus falcatus (Podocarpus gracilior) - African Fern Pine.....	356.02	
32 93 43 00-0647 EA 8' Afrocarpus falcatus (Podocarpus gracilior) - African Fern Pine.....	469.95	
32 93 43 00-0648 EA 10' Afrocarpus falcatus (Podocarpus gracilior) - African Fern Pine.....	598.12	
32 93 43 00-0649 EA 12' Afrocarpus falcatus (Podocarpus gracilior) - African Fern Pine.....	712.05	
32 93 43 00-0650 EA 24" Box Afrocarpus falcatus (Podocarpus gracilior) - African Fern Pine.....	166.62	
32 93 43 00-0651 EA 1 Gallon Podocarpus macrophyllus - Yew Pine.....	6.62	
32 93 43 00-0652 EA 3 Gallon Podocarpus macrophyllus - Yew Pine.....	15.52	
32 93 43 00-0653 EA 5 Gallon Podocarpus macrophyllus - Yew Pine.....	20.36	
32 93 43 00-0654 EA 15 Gallon Podocarpus macrophyllus - Yew Pine.....	88.29	
32 93 43 00-0655 EA 24" Box Podocarpus macrophyllus - Yew Pine.....	170.89	
32 93 43 00-0656 EA 24" Box Rhus lancea - African Sumac.....	175.88	
32 93 43 00-0657 EA 30" Box Rhus lancea - African Sumac.....	284.82	
32 93 43 00-0658 EA 8' Rhus lancea - African Sumac.....	427.23	
32 93 43 00-0659 EA 10' Rhus lancea - African Sumac.....	477.07	
32 93 43 00-0660 EA 12' Rhus lancea - African Sumac.....	569.64	

**32 Exterior Improvements****32 90 Planting****32 93 Plants**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST
**32 93 43 00-0661****Palm And Subtropical Trees (32 93 43)**

Note: All trees listed by caliper of trunk or height of tree if field grown, dug with spade, balled and burlapped and delivered to site.

32 93 43 00-0662	EA	4' To 5' Archontophoenix cunninghamiana - King Palm	95.29
32 93 43 00-0663	EA	6' To 8' Archontophoenix cunninghamiana - King Palm	148.22
32 93 43 00-0664	EA	8' To 10' Archontophoenix cunninghamiana - King Palm	190.58
32 93 43 00-0665	EA	10' To 12' Archontophoenix cunninghamiana - King Palm	254.10
32 93 43 00-0666	EA	4' To 5' Arecastrum romanzoffianum - Queen Palm	72.19
32 93 43 00-0667	EA	6' To 8' Arecastrum romanzoffianum - Queen Palm	101.06
32 93 43 00-0668	EA	8' To 10' Arecastrum romanzoffianum - Queen Palm	129.94
32 93 43 00-0669	EA	10' To 12' Arecastrum romanzoffianum - Queen Palm	158.81
32 93 43 00-0670	EA	12' To 14' Arecastrum romanzoffianum - Queen Palm	192.50
32 93 43 00-0671	EA	14' To 16' Arecastrum romanzoffianum - Queen Palm	240.62
32 93 43 00-0672	EA	3' To 4' Chamaedorea radicalis - Dwarf Bamboo Palm	202.12
32 93 43 00-0673	EA	5' To 6' Chamaedorea radicalis - Dwarf Bamboo Palm	317.62
32 93 43 00-0674	EA	3' To 4' Chamaerops humilis - European Fan Palm	173.25
32 93 43 00-0675	EA	5' To 6' Chamaerops humilis - European Fan Palm	231.00
32 93 43 00-0676	EA	7' To 8' Chamaerops humilis - European Fan Palm	539.00
32 93 43 00-0677	EA	9' To 10' Chamaerops humilis - European Fan Palm	924.00
32 93 43 00-0678	EA	12' To 16' Cocos nucifera - Coconut Palm	405.93
32 93 43 00-0679	EA	6' To 7' Cocos nucifera 'Jamaican Maypan' - Maypan Coconut	134.75
32 93 43 00-0680	EA	8' To 10' Cocos nucifera 'Jamaican Maypan' - Maypan Coconut	269.50
32 93 43 00-0681	EA	10' To 12' Cocos nucifera 'Jamaican Maypan' - Maypan Coconut	346.50
32 93 43 00-0682	EA	12' To 14' Cocos nucifera 'Jamaican Maypan' - Maypan Coconut	481.25
32 93 43 00-0683	EA	4' To 5' Rhaps excelsa - Lady Palm	365.75
32 93 43 00-0684	EA	6' To 7' Rhaps excelsa - Lady Palm	519.75
32 93 43 00-0685	EA	8' To 9' Roystonea regia - Royal Palm	294.52
32 93 43 00-0686	EA	10' To 11' Roystonea regia - Royal Palm	359.98
32 93 43 00-0687	EA	12' To 13' Roystonea regia - Royal Palm	425.42
32 93 43 00-0688	EA	14' To 15' Roystonea regia - Royal Palm	490.88
32 93 43 00-0689	EA	16' To 17' Roystonea regia - Royal Palm	556.32
32 93 43 00-0690	EA	18' To 19' Roystonea regia - Royal Palm	621.78
32 93 43 00-0691	EA	20' To 21' Roystonea regia - Royal Palm	687.22
32 93 43 00-0692	EA	10' To 16' Sabal palmetto - Cabbage Palm	148.84
32 93 43 00-0693	EA	6' To 7' Thrinax morrisii - Key Thatch Palm	404.25
32 93 43 00-0694	EA	8' To 9' Thrinax morrisii - Key Thatch Palm	519.75
32 93 43 00-0695	EA	10' To 11' Thrinax morrisii - Key Thatch Palm	635.25
32 93 43 00-0696	EA	9' Ptychosperma elegans - Alexander Palm, Solitaire Palm	144.38
32 93 43 00-0697	EA	11' Ptychosperma elegans - Alexander Palm, Solitaire Palm	240.62
32 93 43 00-0698	EA	15' Ptychosperma elegans - Alexander Palm, Solitaire Palm	365.75
32 93 43 00-0699	EA	17' Ptychosperma elegans - Alexander Palm, Solitaire Palm	413.88
32 93 43 00-0700	EA	20' Ptychosperma elegans - Alexander Palm, Solitaire Palm	481.25
32 93 43 00-0701	EA	4' To 5' Bauninia blakeana - Hong Kong Orchid	413.88
32 93 43 00-0702	EA	6' Bauninia blakeana - Hong Kong Orchid	490.88
32 93 43 00-0703	EA	8' Bauninia blakeana - Hong Kong Orchid	654.50
32 93 43 00-0704	EA	10' Bauninia blakeana - Hong Kong Orchid	818.12
32 93 43 00-0705	EA	4' To 5' Acacia baileyana - Bailey Acacia	232.96
32 93 43 00-0706	EA	6' Acacia baileyana - Bailey Acacia	279.55
32 93 43 00-0707	EA	8' Acacia baileyana - Bailey Acacia	326.14
32 93 43 00-0708	EA	10' Acacia baileyana - Bailey Acacia	407.68
32 93 43 00-0709	EA	6' Agonis flexuosa - Peppermint Tree	139.78
32 93 43 00-0710	EA	8' Agonis flexuosa - Peppermint Tree	174.72
32 93 43 00-0711	EA	10' Agonis flexuosa - Peppermint Tree	209.66
32 93 43 00-0712	EA	24" Box Agonis flexuosa - Peppermint Tree	174.14
32 93 43 00-0713	EA	6' Bauhinia purpurea - Purple Orchid Tree	519.75
32 93 43 00-0714	EA	8' Bauhinia purpurea - Purple Orchid Tree	693.00
32 93 43 00-0715	EA	10' Bauhinia purpurea - Purple Orchid Tree	866.25
32 93 43 00-0716	EA	24" Box Bauhinia purpurea - Purple Orchid Tree	225.22
32 93 43 00-0717	EA	6' Bauhinia variegata candida - White Orchid Tree	577.50
32 93 43 00-0718	EA	8' Bauhinia variegata candida - White Orchid Tree	770.00
32 93 43 00-0719	EA	10' Bauhinia variegata candida - White Orchid Tree	962.50
32 93 43 00-0720	EA	6' Callistemon citrinus - Crimson or Lemon Bottle Brush	314.50
32 93 43 00-0721	EA	8' Callistemon citrinus - Crimson or Lemon Bottle Brush	419.33
32 93 43 00-0722	EA	10' Callistemon citrinus - Crimson or Lemon Bottle Brush	524.16
32 93 43 00-0723	EA	6' Eriobotrya deflexa - Bronze Loquat	519.75
32 93 43 00-0724	EA	8' Eriobotrya deflexa - Bronze Loquat	693.00
32 93 43 00-0725	EA	10' Eriobotrya deflexa - Bronze Loquat	866.25
32 93 43 00-0726	EA	6' Eucalyptus erythrocorys - Red Cap Gum	519.75
32 93 43 00-0727	EA	8' Eucalyptus erythrocorys - Red Cap Gum	693.00
32 93 43 00-0728	EA	10' Eucalyptus erythrocorys - Red Cap Gum	866.25
32 93 43 00-0729	EA	6' Eucalyptus torquata - Coral Gum	519.75
32 93 43 00-0730	EA	8' Eucalyptus torquata - Coral Gum	693.00
32 93 43 00-0731	EA	10' Eucalyptus torquata - Coral Gum	866.25
32 93 43 00-0732	EA	8' Fraxinus oxycarpa "Raywood" - Raywood Ash	326.14
32 93 43 00-0733	EA	10' Fraxinus oxycarpa "Raywood" - Raywood Ash	442.62
32 93 43 00-0734	EA	12' Fraxinus oxycarpa "Raywood" - Raywood Ash	547.46
32 93 43 00-0735	EA	1 Gallon Washingtonia robusta - Mexican Fan Palm	8.97
32 93 43 00-0736	EA	5 Gallon Washingtonia robusta - Mexican Fan Palm	27.91
32 93 43 00-0737	EA	15 Gallon Washingtonia robusta - Mexican Fan Palm	97.67
32 93 43 00-0738	EA	24" Box Washingtonia robusta - Mexican Fan Palm	318.93
32 93 43 00-0739	EA	36" Box Washingtonia robusta - Mexican Fan Palm	847.15



		<b>Exterior Improvements</b>	<b>32</b>
		Planting	32 90
		Plants	32 93

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0740 EA 6' Washingtonia robusta - Mexican Fan Palm.....	519.75	
32 93 43 00-0741 EA 8' Washingtonia robusta - Mexican Fan Palm.....	693.00	
32 93 43 00-0742 EA 10' Washingtonia robusta - Mexican Fan Palm.....	866.25	
32 93 43 00-0743 EA 12' Washingtonia robusta - Mexican Fan Palm.....	1,039.50	
32 93 43 00-0744 EA 6' Olea europaea - Olive "Fruitless".....	384.51	
32 93 43 00-0745 EA 8' Olea europaea - Olive "Fruitless".....	512.68	
32 93 43 00-0746 EA 10' Olea europaea - Olive "Fruitless".....	640.84	
32 93 43 00-0747 EA 12' Olea europaea - Olive "Fruitless".....	769.01	
32 93 43 00-0748 EA 24" Box Olea europaea - Olive "Fruitless".....	472.80	
32 93 43 00-0749 EA 6' Eucalyptus polyanthemos - Silver Dollar Gum.....	519.75	
32 93 43 00-0750 EA 8' Eucalyptus polyanthemos - Silver Dollar Gum.....	693.00	
32 93 43 00-0751 EA 10' Eucalyptus polyanthemos - Silver Dollar Gum.....	866.25	
32 93 43 00-0752 EA 6' Eucalyptus leucoxydon - White Ironbark.....	519.75	
32 93 43 00-0753 EA 8' Eucalyptus leucoxydon - White Ironbark.....	693.00	
32 93 43 00-0754 EA 10' Eucalyptus leucoxydon - White Ironbark.....	866.25	
32 93 43 00-0755 EA 12' Eucalyptus leucoxydon - White Ironbark.....	1,039.50	
32 93 43 00-0756 EA 6' Callistemon viminalis - Weeping Bottle Brush.....	314.50	
32 93 43 00-0757 EA 8' Callistemon viminalis - Weeping Bottle Brush.....	419.33	
32 93 43 00-0758 EA 10' Callistemon viminalis - Weeping Bottle Brush.....	524.16	
32 93 43 00-0759 EA 12' Callistemon viminalis - Weeping Bottle Brush.....	628.99	
32 93 43 00-0760 EA 6' Eucalyptus gunnii - Cider Gum.....	519.75	
32 93 43 00-0761 EA 8' Eucalyptus gunnii - Cider Gum.....	693.00	
32 93 43 00-0762 EA 10' Eucalyptus gunnii - Cider Gum.....	866.25	
32 93 43 00-0763 EA 6' Jacarandra acutifolia - Jacaranda.....	519.75	
32 93 43 00-0764 EA 8' Jacarandra acutifolia - Jacaranda.....	693.00	
32 93 43 00-0765 EA 10' Jacarandra acutifolia - Jacaranda.....	866.25	
32 93 43 00-0766 EA 24" Box Jacarandra acutifolia - Jacaranda.....	225.22	
32 93 43 00-0767 EA 5 Gallon Phoenix roebelenii - Pygmy Date Palm.....	23.05	
32 93 43 00-0768 EA 7 Gallon Phoenix roebelenii - Pygmy Date Palm.....	56.18	
32 93 43 00-0769 EA 15 Gallon Phoenix roebelenii - Pygmy Date Palm.....	85.00	
32 93 43 00-0770 EA 24" Box Phoenix roebelenii - Pygmy Date Palm.....	252.10	
32 93 43 00-0771 EA 5 Gallon Pistacia chinensis - Chinese Pistache.....	34.65	
32 93 43 00-0772 EA 15 Gallon Pistacia chinensis - Chinese Pistache.....	115.50	
32 93 43 00-0773 EA 24" Box Pistacia chinensis - Chinese Pistache.....	448.52	
32 93 43 00-0774 EA 36" Box Pistacia chinensis - Chinese Pistache.....	1,193.50	
32 93 43 00-0775 EA 48" Box Pistacia chinensis - Chinese Pistache.....	2,541.00	
32 93 43 00-0776 EA 5 Gallon Pyrus kawakamii - Evergreen Pear, Single.....	21.67	
32 93 43 00-0777 EA 15 Gallon Pyrus kawakamii - Evergreen Pear, Single.....	72.22	
32 93 43 00-0778 EA 24" Box Pyrus kawakamii - Evergreen Pear, Single.....	271.40	
32 93 43 00-0779 EA 30" Box Pyrus kawakamii - Evergreen Pear, Single.....	496.20	
32 93 43 00-0780 EA 36" Box Pyrus kawakamii - Evergreen Pear, Single.....	722.18	
32 93 43 00-0781 EA 5 Gallon Pyrus kawakamii - Evergreen Pear, Multi.....	21.67	
32 93 43 00-0782 EA 15 Gallon Pyrus kawakamii - Evergreen Pear, Multi.....	76.88	
32 93 43 00-0783 EA 24" Box Pyrus kawakamii - Evergreen Pear, Multi.....	279.55	
32 93 43 00-0784 EA 30" Box Pyrus kawakamii - Evergreen Pear, Multi.....	496.20	
32 93 43 00-0785 EA 36" Box Pyrus kawakamii - Evergreen Pear, Multi.....	722.18	

**32 93 83 Planting of Trees, Shrubs and Ground Cover <sup>(32 93)</sup>**

Note: Includes moving plant(s) from truck or staging site to planting site, excavation of hole, placing plant in hole, backfill and compaction. Use appropriate gallon, height or caliper size to match with description from plant section.

**32 93 83 00-0001 Planting Trees <sup>(32 93 83)</sup>**

Note: Excludes mulch. See CSI section 32 91 13 16-0001 for mulch.

32 93 83 00-0002 EA 3" To 5" Bare Root Seedlings Tree Planting.....	1.29	
32 93 83 00-0003 EA 6" To 10" Bare Root Seedlings Tree Planting.....	2.07	
32 93 83 00-0004 EA 11" To 16" Bare Root Seedlings Tree Planting.....	2.59	
32 93 83 00-0005 EA 17" To 24" Bare Root Seedlings Tree Planting.....	4.15	
32 93 83 00-0006 EA 1 Gallon Container Tree Planting.....	20.71	
For >10 To 25, Deduct	-1.04	
For >25 To 50, Deduct	-2.59	
For >50 To 100, Deduct	-4.14	
For >100, Deduct	-6.21	
32 93 83 00-0007 EA 2 Gallon Container Tree Planting.....	29.00	
For >10 To 25, Deduct	-1.45	
For >25 To 50, Deduct	-3.63	
For >50 To 100, Deduct	-5.80	
For >100, Deduct	-8.70	
32 93 83 00-0008 EA 3 Gallon Container Tree Planting.....	37.28	
For >10 To 25, Deduct	-1.86	
For >25 To 50, Deduct	-4.66	
For >50 To 100, Deduct	-7.46	
For >100, Deduct	-11.18	
32 93 83 00-0009 EA 5 Gallon Container Tree Planting.....	62.14	
For >10 To 25, Deduct	-3.11	
For >25 To 50, Deduct	-7.77	
For >50 To 100, Deduct	-12.43	
For >100, Deduct	-18.64	
32 93 83 00-0010 EA 7 Gallon Container Tree Planting.....	82.85	
For >10 To 25, Deduct	-4.14	
For >25 To 50, Deduct	-10.36	
For >50 To 100, Deduct	-16.57	
For >100, Deduct	-24.86	

**32 Exterior Improvements****32 90 Planting****32 93 Plants**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 83 00-0011 EA 10 Gallon Container Tree Planting.....	107.71	
For>10 To 25, Deduct	-5.39	
For>25 To 50, Deduct	-13.46	
For>50 To 100, Deduct	-21.54	
For>100, Deduct	-32.31	
32 93 83 00-0012 EA 15 Gallon Container Tree Planting.....	153.27	
For>10 To 25, Deduct	-7.66	
For>25 To 50, Deduct	-19.16	
For>50 To 100, Deduct	-30.65	
For>100, Deduct	-45.98	
32 93 83 00-0013 EA 20 Gallon Container Tree Planting.....	252.69	
For>10 To 25, Deduct	-12.63	
For>25 To 50, Deduct	-31.59	
For>50 To 100, Deduct	-50.54	
For>100, Deduct	-75.81	
32 93 83 00-0014 EA 25 Gallon Container Tree Planting.....	327.25	
For>10 To 25, Deduct	-16.36	
For>25 To 50, Deduct	-40.91	
For>50 To 100, Deduct	-65.45	
For>100, Deduct	-98.18	
32 93 83 00-0015 EA 30 Gallon Container Tree Planting.....	393.53	
For>10 To 25, Deduct	-19.68	
For>25 To 50, Deduct	-49.19	
For>50 To 100, Deduct	-78.71	
For>100, Deduct	-118.06	
32 93 83 00-0016 EA 45 Gallon Container Tree Planting.....	488.82	
For>10 To 25, Deduct	-24.44	
For>25 To 50, Deduct	-61.10	
For>50 To 100, Deduct	-97.76	
For>100, Deduct	-146.65	
32 93 83 00-0017 EA 65 Gallon Container Tree Planting.....	579.95	
For>10 To 25, Deduct	-29.00	
For>25 To 50, Deduct	-72.49	
For>50 To 100, Deduct	-115.99	
For>100, Deduct	-173.99	
32 93 83 00-0018 EA 6' Balled And Burlapped Tree Planting.....	207.13	
For>10 To 25, Deduct	-10.36	
For>25 To 50, Deduct	-25.89	
For>50 To 100, Deduct	-41.43	
For>100, Deduct	-62.14	
32 93 83 00-0019 EA 7' Balled And Burlapped Tree Planting.....	275.89	
For>10 To 25, Deduct	-13.79	
For>25 To 50, Deduct	-34.49	
For>50 To 100, Deduct	-55.18	
For>100, Deduct	-82.77	
32 93 83 00-0020 EA 8' Balled And Burlapped Tree Planting.....	310.69	
For>10 To 25, Deduct	-15.53	
For>25 To 50, Deduct	-38.84	
For>50 To 100, Deduct	-62.14	
For>100, Deduct	-93.21	
32 93 83 00-0021 EA 10' Balled And Burlapped Tree Planting.....	362.47	
For>10 To 25, Deduct	-18.12	
For>25 To 50, Deduct	-45.31	
For>50 To 100, Deduct	-72.49	
For>100, Deduct	-108.74	
32 93 83 00-0022 EA 12' Balled And Burlapped Tree Planting.....	484.67	
For>10 To 25, Deduct	-24.23	
For>25 To 50, Deduct	-60.58	
For>50 To 100, Deduct	-96.93	
For>100, Deduct	-145.40	
32 93 83 00-0023 EA 14' Balled And Burlapped Tree Planting.....	555.10	
For>10 To 25, Deduct	-27.76	
For>25 To 50, Deduct	-69.39	
For>50 To 100, Deduct	-111.02	
For>100, Deduct	-166.53	
32 93 83 00-0024 EA 16' Balled And Burlapped Tree Planting.....	673.16	
For>10 To 25, Deduct	-33.66	
For>25 To 50, Deduct	-84.15	
For>50 To 100, Deduct	-134.63	
For>100, Deduct	-201.95	
32 93 83 00-0025 EA 18' Balled And Burlapped Tree Planting.....	807.79	
For>10 To 25, Deduct	-40.39	
For>25 To 50, Deduct	-100.97	
For>50 To 100, Deduct	-161.56	
For>100, Deduct	-242.34	
32 93 83 00-0026 EA 20' Balled And Burlapped Tree Planting.....	932.06	
For>10 To 25, Deduct	-46.60	
For>25 To 50, Deduct	-116.51	
For>50 To 100, Deduct	-186.41	
For>100, Deduct	-279.62	
32 93 83 00-0027 EA 1-1/2" Caliper Balled And Burlapped Tree Planting.....	310.69	
For>10 To 25, Deduct	-15.53	
For>25 To 50, Deduct	-38.84	
For>50 To 100, Deduct	-62.14	
For>100, Deduct	-93.21	



<b>Exterior Improvements</b>		<b>32</b>
Planting		32 90
Plants		32 93

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 83 00-0028 EA 2" Caliper Balled And Burlapped Tree Planting .....	362.47	
For >10 To 25, Deduct	-18.12	
For >25 To 50, Deduct	-45.31	
For >50 To 100, Deduct	-72.49	
For >100, Deduct	-108.74	
32 93 83 00-0029 EA 2-1/2" Caliper Balled And Burlapped Tree Planting .....	486.74	
For >10 To 25, Deduct	-24.34	
For >25 To 50, Deduct	-60.84	
For >50 To 100, Deduct	-97.35	
For >100, Deduct	-146.02	
32 93 83 00-0030 EA 3" Caliper Balled And Burlapped Tree Planting .....	559.23	
For >10 To 25, Deduct	-27.96	
For >25 To 50, Deduct	-69.90	
For >50 To 100, Deduct	-111.85	
For >100, Deduct	-167.77	
32 93 83 00-0031 EA 3-1/2" Caliper Balled And Burlapped Tree Planting .....	621.37	
For >10 To 25, Deduct	-31.07	
For >25 To 50, Deduct	-77.67	
For >50 To 100, Deduct	-124.27	
For >100, Deduct	-186.41	
32 93 83 00-0032 EA 4" Caliper Balled And Burlapped Tree Planting .....	712.50	
For >10 To 25, Deduct	-35.63	
For >25 To 50, Deduct	-89.06	
For >50 To 100, Deduct	-142.50	
For >100, Deduct	-213.75	
<b>32 93 83 00-0033 Planting Shrubs</b> <small>(32 93 83)</small>		
Note: Excludes mulch. See CSI section 32 91 13 16-0001 for mulch.		
32 93 83 00-0034 EA 1 Gallon Container Shrub Planting .....	17.62	
For >10 To 25, Deduct	-0.88	
For >25 To 50, Deduct	-2.20	
For >50 To 100, Deduct	-3.52	
For >100, Deduct	-5.29	
32 93 83 00-0035 EA 2 Gallon Container Shrub Planting .....	24.85	
For >10 To 25, Deduct	-1.24	
For >25 To 50, Deduct	-3.11	
For >50 To 100, Deduct	-4.97	
For >100, Deduct	-7.46	
32 93 83 00-0036 EA 3 Gallon Container Shrub Planting .....	31.07	
For >10 To 25, Deduct	-1.55	
For >25 To 50, Deduct	-3.88	
For >50 To 100, Deduct	-6.21	
For >100, Deduct	-9.32	
32 93 83 00-0037 EA 4 Gallon Container Shrub Planting .....	41.43	
For >10 To 25, Deduct	-2.07	
For >25 To 50, Deduct	-5.18	
For >50 To 100, Deduct	-8.29	
For >100, Deduct	-12.43	
32 93 83 00-0038 EA 5 Gallon Container Shrub Planting .....	51.78	
For >10 To 25, Deduct	-2.59	
For >25 To 50, Deduct	-6.47	
For >50 To 100, Deduct	-10.36	
For >100, Deduct	-15.53	
32 93 83 00-0039 EA 7 Gallon Container Shrub Planting .....	70.42	
For >10 To 25, Deduct	-3.52	
For >25 To 50, Deduct	-8.80	
For >50 To 100, Deduct	-14.08	
For >100, Deduct	-21.13	
32 93 83 00-0040 EA 10 Gallon Container Shrub Planting .....	93.20	
For >10 To 25, Deduct	-4.66	
For >25 To 50, Deduct	-11.65	
For >50 To 100, Deduct	-18.64	
For >100, Deduct	-27.96	
32 93 83 00-0041 EA 15 Gallon Container Shrub Planting .....	128.42	
For >10 To 25, Deduct	-6.42	
For >25 To 50, Deduct	-16.05	
For >50 To 100, Deduct	-25.68	
For >100, Deduct	-38.53	
32 93 83 00-0042 EA 20 Gallon Container Shrub Planting .....	215.41	
For >10 To 25, Deduct	-10.77	
For >25 To 50, Deduct	-26.93	
For >50 To 100, Deduct	-43.08	
For >100, Deduct	-64.62	
32 93 83 00-0043 EA 25 Gallon Container Shrub Planting .....	275.89	
For >10 To 25, Deduct	-13.79	
For >25 To 50, Deduct	-34.49	
For >50 To 100, Deduct	-55.18	
For >100, Deduct	-82.77	
32 93 83 00-0044 EA 15" Balled And Burlapped Shrub Planting .....	57.99	
For >10 To 25, Deduct	-2.90	
For >25 To 50, Deduct	-7.25	
For >50 To 100, Deduct	-11.60	
For >100, Deduct	-17.40	

**32 Exterior Improvements****32 90 Planting****32 93 Plants**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 83 00-0045 EA 18" Balled And Burlapped Shrub Planting .....	60.07	
For>10 To 25, Deduct	-3.00	
For>25 To 50, Deduct	-7.51	
For>50 To 100, Deduct	-12.01	
For>100, Deduct	-18.02	
32 93 83 00-0046 EA 24" Balled And Burlapped Shrub Planting .....	66.28	
For>10 To 25, Deduct	-3.31	
For>25 To 50, Deduct	-8.29	
For>50 To 100, Deduct	-13.26	
For>100, Deduct	-19.88	
32 93 83 00-0047 EA 30" Balled And Burlapped Shrub Planting .....	66.28	
For>10 To 25, Deduct	-3.31	
For>25 To 50, Deduct	-8.29	
For>50 To 100, Deduct	-13.26	
For>100, Deduct	-19.88	
32 93 83 00-0048 EA 36" Balled And Burlapped Shrub Planting .....	72.50	
For>10 To 25, Deduct	-3.63	
For>25 To 50, Deduct	-9.06	
For>50 To 100, Deduct	-14.50	
For>100, Deduct	-21.75	
32 93 83 00-0049 EA 42" Balled And Burlapped Shrub Planting .....	76.64	
For>10 To 25, Deduct	-3.83	
For>25 To 50, Deduct	-9.58	
For>50 To 100, Deduct	-15.33	
For>100, Deduct	-22.99	
32 93 83 00-0050 EA 48" Balled And Burlapped Shrub Planting .....	82.85	
For>10 To 25, Deduct	-4.14	
For>25 To 50, Deduct	-10.36	
For>50 To 100, Deduct	-16.57	
For>100, Deduct	-24.86	
32 93 83 00-0051 EA 5' Balled And Burlapped Shrub Planting .....	124.27	
For>10 To 25, Deduct	-6.21	
For>25 To 50, Deduct	-15.53	
For>50 To 100, Deduct	-24.85	
For>100, Deduct	-37.28	
32 93 83 00-0052 EA 6' Balled And Burlapped Shrub Planting .....	176.06	
For>10 To 25, Deduct	-8.80	
For>25 To 50, Deduct	-22.01	
For>50 To 100, Deduct	-35.21	
For>100, Deduct	-52.82	
32 93 83 00-0053 EA 7' Balled And Burlapped Shrub Planting .....	234.05	
For>10 To 25, Deduct	-11.70	
For>25 To 50, Deduct	-29.26	
For>50 To 100, Deduct	-46.81	
For>100, Deduct	-70.22	
32 93 83 00-0054 EA 8' Balled And Burlapped Shrub Planting .....	265.12	
For>10 To 25, Deduct	-13.26	
For>25 To 50, Deduct	-33.14	
For>50 To 100, Deduct	-53.02	
For>100, Deduct	-79.54	
32 93 83 00-0055 EA 9' Balled And Burlapped Shrub Planting .....	285.84	
For>10 To 25, Deduct	-14.29	
For>25 To 50, Deduct	-35.73	
For>50 To 100, Deduct	-57.17	
For>100, Deduct	-85.75	
32 93 83 00-0056 EA 10' Balled And Burlapped Shrub Planting .....	310.69	
For>10 To 25, Deduct	-15.53	
For>25 To 50, Deduct	-38.84	
For>50 To 100, Deduct	-62.14	
For>100, Deduct	-93.21	
<b>32 93 83 00-0057 Planting Groundcover, Vines, Perennials, Annuals And Bulbs</b> <small>(32 93 83)</small>		
See CSI section 32 91 13 16-0001 for mulch.		
32 93 83 00-0058 EA 2-1/4" Diameter Potted Groundcover And Flower Planting .....	1.73	
For>10 To 25, Deduct	-0.09	
For>25 To 50, Deduct	-0.22	
For>50 To 100, Deduct	-0.35	
For>100, Deduct	-0.52	
32 93 83 00-0059 EA 3" Diameter Potted Groundcover And Flower Planting .....	1.98	
For>10 To 25, Deduct	-0.10	
For>25 To 50, Deduct	-0.25	
For>50 To 100, Deduct	-0.40	
For>100, Deduct	-0.59	
32 93 83 00-0060 EA 4" Diameter Potted Groundcover And Flower Planting .....	2.30	
For>10 To 25, Deduct	-0.12	
For>25 To 50, Deduct	-0.29	
For>50 To 100, Deduct	-0.46	
For>100, Deduct	-0.69	
32 93 83 00-0061 EA 5-1/2" Diameter Potted Groundcover And Flower Planting .....	2.76	
For>10 To 25, Deduct	-0.14	
For>25 To 50, Deduct	-0.35	
For>50 To 100, Deduct	-0.55	
For>100, Deduct	-0.83	



		<b>Exterior Improvements</b>	<b>32</b>
		Planting	32 90
		Plants	32 93

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 83 00-0062 EA 6" Diameter Potted Groundcover And Flower Planting .....	3.45	
For >10 To 25, Deduct	-0.17	
For >25 To 50, Deduct	-0.43	
For >50 To 100, Deduct	-0.69	
For >100, Deduct	-1.04	
32 93 83 00-0063 EA 8" Diameter Potted Groundcover And Flower Planting .....	5.18	
For >10 To 25, Deduct	-0.26	
For >25 To 50, Deduct	-0.65	
For >50 To 100, Deduct	-1.04	
For >100, Deduct	-1.55	
32 93 83 00-0064 EA 1 Gallon Container Groundcover And Flower Planting .....	16.57	
For >10 To 25, Deduct	-0.83	
For >25 To 50, Deduct	-2.07	
For >50 To 100, Deduct	-3.31	
For >100, Deduct	-4.97	
32 93 83 00-0065 EA 2 Gallon Container Groundcover And Flower Planting .....	22.79	
For >10 To 25, Deduct	-1.14	
For >25 To 50, Deduct	-2.85	
For >50 To 100, Deduct	-4.56	
For >100, Deduct	-6.84	
32 93 83 00-0066 EA 3 Gallon Container Groundcover And Flower Planting .....	29.00	
For >10 To 25, Deduct	-1.45	
For >25 To 50, Deduct	-3.63	
For >50 To 100, Deduct	-5.80	
For >100, Deduct	-8.70	
32 93 83 00-0067 EA 4 Gallon Container Groundcover And Flower Planting .....	37.28	
For >10 To 25, Deduct	-1.86	
For >25 To 50, Deduct	-4.66	
For >50 To 100, Deduct	-7.46	
For >100, Deduct	-11.18	
32 93 83 00-0068 EA 5 Gallon Container Groundcover And Flower Planting .....	45.56	
For >10 To 25, Deduct	-2.28	
For >25 To 50, Deduct	-5.70	
For >50 To 100, Deduct	-9.11	
For >100, Deduct	-13.67	
32 93 83 00-0069 EA 7 Gallon Container Groundcover And Flower Planting .....	62.14	
For >10 To 25, Deduct	-3.11	
For >25 To 50, Deduct	-7.77	
For >50 To 100, Deduct	-12.43	
For >100, Deduct	-18.64	
32 93 83 00-0070 EA Bulb Planting.....	1.03	
For >10 To 25, Deduct	-0.05	
For >25 To 50, Deduct	-0.13	
For >50 To 100, Deduct	-0.21	
For >100, Deduct	-0.31	
32 93 83 00-0071 EA Flats Of 24 Groundcover And Flower Planting .....	29.00	
For >10 To 25, Deduct	-1.45	
For >25, Deduct	-3.63	
32 93 83 00-0072 EA Flats Of 36 Groundcover And Flower Planting .....	41.13	
For >10 To 25, Deduct	-2.06	
For >25, Deduct	-5.14	
32 93 83 00-0073 EA Flats Of 48 Groundcover And Flower Planting .....	54.76	
For >10 To 25, Deduct	-2.74	
For >25, Deduct	-6.85	

**32 93 83 00-0074**

**Tree Pits (32 93 83)**

Note: Costs given show the tree pit size accommodates the soil ball and the type of soil excavated includes excavation, bank run sand and gravel fill for drainage, imported mix planting soil, hand backfill, perforated drainage pipe for watering, and drainage fabric. Includes one layer of woven fabric to be applied before mulch is spread. Excludes additional soil conditioners or mulch. See CSI section 32 91 13 16-0000 for appropriate mulch or decorative topping, 32 91 13 16-0001 for appropriate mulch or decorative topping.

32 93 83 00-0075 EA 2' x 1-1/4' Deep Tree Pit .....	119.52
32 93 83 00-0076 EA 2' x 2-1/2' Deep Tree Pit .....	179.25
32 93 83 00-0077 EA 2-1/2' x 1-1/2' Deep Tree Pit .....	231.50
32 93 83 00-0078 EA 2-1/2' x 3' Deep Tree Pit .....	347.18
32 93 83 00-0079 EA 3' x 1-3/4' Deep Tree Pit .....	357.40
32 93 83 00-0080 EA 3' x 3-1/2' Deep Tree Pit .....	533.32
32 93 83 00-0081 EA 3-1/2' x 1-3/4' Deep Tree Pit .....	438.00
32 93 83 00-0082 EA 3-1/2' x 3-1/2' Deep Tree Pit .....	656.08
32 93 83 00-0083 EA 4' x 2' Deep Tree Pit .....	523.56
32 93 83 00-0084 EA 4' x 4' Deep Tree Pit .....	784.90
32 93 83 00-0085 EA 4-1/2' x 2' Deep Tree Pit .....	753.77
32 93 83 00-0086 EA 4-1/2' x 4' Deep Tree Pit .....	1,132.87
32 93 83 00-0087 EA 5' x 2-1/4' Deep Tree Pit .....	1,002.60
32 93 83 00-0088 EA 5' x 4-1/2' Deep Tree Pit .....	1,493.40
32 93 83 00-0089 EA 6' x 2-1/2' Deep Tree Pit .....	1,421.88
32 93 83 00-0090 EA 6' x 5' Deep Tree Pit .....	2,129.66
32 93 83 00-0091 EA 7' x 3' Deep Tree Pit .....	2,395.38
32 93 83 00-0092 EA 7' x 6' Deep Tree Pit .....	3,612.18
32 93 83 00-0093 EA 8' x 3-1/4' Deep Tree Pit .....	3,293.68
32 93 83 00-0094 EA 8' x 6-1/2' Deep Tree Pit .....	4,938.42

**32 Exterior Improvements****32 90 Planting****32 94 Planting Accessories**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST**32 94 Planting Accessories** (32 94)**32 94 13 Landscape Edging** (32 94)

Note: Including stakes.

**32 94 13 00-0001 Landscape Edging** (32 94 13)

Note: Includes stakes.

32 94 13 00-0002	LF	6" Poly/Vinyl Landscape Edging With Non-Round Top.....	5.71	1.06
		<i>For &gt;2,000 To 5,000 LF, Deduct</i>	-0.36	
		<i>For &gt;5,000 LF, Deduct</i>	-0.72	
32 94 13 00-0003	LF	5" Polyethylene Landscape Edging With Round Top.....	3.25	1.06
		<i>For &gt;2,000 To 5,000 LF, Deduct</i>	-0.11	
		<i>For &gt;5,000 LF, Deduct</i>	-0.23	
32 94 13 00-0004	LF	5-1/2" Polyethylene Landscape Edging With Round Top .....	3.31	1.06
		<i>For &gt;2,000 To 5,000 LF, Deduct</i>	-0.12	
		<i>For &gt;5,000 LF, Deduct</i>	-0.24	
32 94 13 00-0005	LF	5" Polyethylene Landscape Edging With Corrugated Sides And Round Top .....	3.34	1.06
		<i>For &gt;2,000 To 5,000 LF, Deduct</i>	-0.12	
		<i>For &gt;5,000 LF, Deduct</i>	-0.24	
32 94 13 00-0006	LF	1/8" x 4", Mill Finish, Aluminum Alloy Landscape Edging .....	9.60	2.51
		<i>For &gt;1,000 LF, Deduct</i>	-1.15	
32 94 13 00-0007	LF	1/8" x 4", Black Paint, Aluminum Alloy Landscape Edging .....	10.54	2.51
		<i>For &gt;1,000 LF, Deduct</i>	-1.38	
32 94 13 00-0008	LF	1/8" x 4", Black Anodized, Aluminum Alloy Landscape Edging.....	10.61	2.51
		<i>For &gt;1,000 LF, Deduct</i>	-1.40	
32 94 13 00-0009	LF	3/16" x 4", Mill Finish, Aluminum Alloy Landscape Edging .....	12.25	2.60
		<i>For &gt;1,000 LF, Deduct</i>	-1.77	
32 94 13 00-0010	LF	3/16" x 4", Black Paint, Aluminum Alloy Landscape Edging .....	13.41	2.60
		<i>For &gt;1,000 LF, Deduct</i>	-2.06	
32 94 13 00-0011	LF	3/16" x 4", Black Anodized, Aluminum Alloy Landscape Edging.....	13.39	2.60
		<i>For &gt;1,000 LF, Deduct</i>	-2.06	
32 94 13 00-0012	LF	1/8" x 5-1/2", Mill Finish, Aluminum Alloy Landscape Edging .....	10.81	2.68
		<i>For &gt;1,000 LF, Deduct</i>	-1.38	
32 94 13 00-0013	LF	1/8" x 5-1/2", Black Paint, Aluminum Alloy Landscape Edging .....	12.11	2.68
		<i>For &gt;1,000 LF, Deduct</i>	-1.71	
32 94 13 00-0014	LF	1/8" x 5-1/2", Black Anodized, Aluminum Alloy Landscape Edging .....	12.25	2.68
		<i>For &gt;1,000 LF, Deduct</i>	-1.74	
32 94 13 00-0015	LF	3/16" x 5-1/2", Mill Finish, Aluminum Alloy Landscape Edging .....	13.85	2.76
		<i>For &gt;1,000 LF, Deduct</i>	-2.10	
32 94 13 00-0016	LF	3/16" x 5-1/2", Black Paint, Aluminum Alloy Landscape Edging .....	15.15	2.76
		<i>For &gt;1,000 LF, Deduct</i>	-2.43	
32 94 13 00-0017	LF	3/16" x 5-1/2", Black Anodized, Aluminum Alloy Landscape Edging .....	15.26	2.76
		<i>For &gt;1,000 LF, Deduct</i>	-2.46	
32 94 13 00-0018	LF	1/8" x 4" Powder Coated Steel Landscape Edging .....	10.23	2.60
		<i>For &gt;1,000 LF, Deduct</i>	-1.26	
32 94 13 00-0019	LF	3/16" x 4" Powder Coated Steel Landscape Edging .....	12.14	2.60
		<i>For &gt;1,000 LF, Deduct</i>	-1.74	
32 94 13 00-0020	LF	1/4" x 5" Powder Coated Steel Landscape Edging .....	17.27	2.60
		<i>For &gt;1,000 LF, Deduct</i>	-3.02	
32 94 13 00-0021	LF	1/2" x 4", Recycled Plastic Landscape Edging (Bend-A-Board).....	7.53	2.51
		<i>For &gt;1,000 LF, Deduct</i>	-0.63	
32 94 13 00-0022	LF	1" x 4", Recycled Plastic Landscape Edging (Bend-A-Board).....	8.67	2.51
		<i>For &gt;1,000 LF, Deduct</i>	-0.91	
32 94 13 00-0023	LF	1" x 6", Recycled Plastic Landscape Edging (Bend-A-Board).....	9.67	2.51
		<i>For &gt;1,000 LF, Deduct</i>	-1.16	
32 94 13 00-0024	LF	2" x 4", Recycled Plastic Landscape Edging (Bend-A-Board).....	9.88	2.51
		<i>For &gt;1,000 LF, Deduct</i>	-1.22	

**32 94 16 Landscape Timbers** (32 94)

32 94 16 00-0001	LF	1" x 4" Redwood Edging .....	5.16	1.71
32 94 16 00-0002	LF	2" x 4" Redwood Edging .....	7.07	2.57
32 94 16 00-0003	LF	4" x 6" Pressure Treated Hardwood.....	9.12	3.43
32 94 16 00-0004	LF	6" x 6" Pressure Treated Hardwood.....	11.78	4.28
32 94 16 00-0005	LF	6" x 8" Pressure Treated Hardwood.....	13.76	5.03
32 94 16 00-0006	LF	1" x 4" Pressure Treated Pine.....	3.81	1.71
32 94 16 00-0007	LF	2" x 4" Pressure Treated Pine.....	5.75	2.57
32 94 16 00-0008	LF	4" x 6" Pressure Treated Pine.....	8.68	3.32
32 94 16 00-0009	LF	6" x 6" Pressure Treated Pine.....	11.71	4.28
32 94 16 00-0010	LF	6" x 8" Pressure Treated Pine.....	14.21	5.03
32 94 16 00-0011	LF	6" x 8" Railroad Ties .....	14.77	4.81
32 94 16 00-0012	LF	7" x 9" Railroad Ties .....	17.78	6.04

**32 94 23 Plant Protection** (32 94)

32 94 23 00-0001	SF	Tree Trunk Protection - Hardware Cloth 1/4" Mesh, 23 Gauge.....	2.43	
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**32 94 43 Tree Grates** (32 94)

32 94 43 00-0001		Tree Grates With Frames <small>(32 94 43)</small>		
32 94 43 00-0002		Round Cast Iron Tree Grates With Frames <small>(32 94 43 00-0001)</small>		





		<b>Exterior Improvements</b>	<b>32</b>
		Planting	32 90
		Planting Accessories	32 94

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 94 43 00-0003 EA 32" Diameter, 100 To 150 LB Cast Iron Tree Grate With Frame .....	1,048.96	63.20
32 94 43 00-0004 EA 36" Diameter, 125 To 175 LB Cast Iron Tree Grate With Frame .....	1,216.67	63.20
32 94 43 00-0005 EA 42" Diameter, 150 To 200 LB Cast Iron Tree Grate With Frame .....	1,468.47	84.26
32 94 43 00-0006 EA 48" Diameter, 200 To 250 LB Cast Iron Tree Grate With Frame .....	1,833.54	84.26
32 94 43 00-0007 EA 54" Diameter, 300 To 350 LB Cast Iron Tree Grate With Frame .....	2,351.75	105.33
32 94 43 00-0008 EA 60" Diameter, Up To 350 LB Cast Iron Tree Grate With Frame .....	2,462.94	126.39
32 94 43 00-0009 EA 60" Diameter, >350 LB Cast Iron Tree Grate With Frame .....	2,717.01	126.39
32 94 43 00-0010 EA 72" Diameter, Up To 550 LB Cast Iron Tree Grate With Frame .....	3,614.15	179.06
32 94 43 00-0011 EA 72" Diameter, >500 To 550 LB Cast Iron Tree Grate With Frame .....	3,762.16	179.06
32 94 43 00-0012 EA 72" Diameter, >600 To 650 LB Cast Iron Tree Grate With Frame .....	3,885.49	179.06
32 94 43 00-0013 EA 72" Diameter, >650 To 700 LB Cast Iron Tree Grate With Frame .....	3,984.16	179.06
32 94 43 00-0014 EA 72" Diameter, >700 LB Cast Iron Tree Grate With Frame .....	4,058.16	179.06
32 94 43 00-0015 EA 93" Diameter, 950 To 1,000 LB Cast Iron Tree Grate With Frame .....	4,446.96	210.65
<b>32 94 43 00-0016 Square Cast Iron Tree Grates With Frames (32 94 43 00-0001)</b>		
32 94 43 00-0017 EA 30" x 30", 75 To 125 LB Cast Iron Tree Grate With Frame .....	965.07	63.20
32 94 43 00-0018 EA 36" x 36", 100 To 150 LB Cast Iron Tree Grate With Frame .....	1,174.74	63.20
32 94 43 00-0019 EA 48" x 48", Up To 200 LB Cast Iron Tree Grate With Frame .....	1,740.00	105.33
32 94 43 00-0020 EA 48" x 48", >200 To 250 LB Cast Iron Tree Grate With Frame .....	2,060.67	105.33
32 94 43 00-0021 EA 48" x 48", >250 To 300 LB Cast Iron Tree Grate With Frame .....	2,356.68	105.33
32 94 43 00-0022 EA 48" x 48", >300 To 350 LB Cast Iron Tree Grate With Frame .....	2,628.02	105.33
32 94 43 00-0023 EA 48" x 48", >350 To 400 LB Cast Iron Tree Grate With Frame .....	2,874.69	105.33
32 94 43 00-0024 EA 48" x 48", >400 LB Cast Iron Tree Grate With Frame .....	3,096.69	105.33
32 94 43 00-0025 EA 60" x 60", Up To 400 LB Cast Iron Tree Grate With Frame .....	2,958.96	147.46
32 94 43 00-0026 EA 60" x 60", >400 To 450 LB Cast Iron Tree Grate With Frame .....	3,180.96	147.46
32 94 43 00-0027 EA 60" x 60", >450 To 500 LB Cast Iron Tree Grate With Frame .....	3,378.30	147.46
32 94 43 00-0028 EA 60" x 60", >500 To 550 LB Cast Iron Tree Grate With Frame .....	3,550.96	147.46
32 94 43 00-0029 EA 60" x 60", >550 To 600 LB Cast Iron Tree Grate With Frame .....	3,698.97	147.46
32 94 43 00-0030 EA 60" x 60", >600 LB Cast Iron Tree Grate With Frame .....	3,822.30	147.46
32 94 43 00-0031 EA 72" x 72", Up To 550 LB Cast Iron Tree Grate With Frame .....	3,614.15	179.06
32 94 43 00-0032 EA 72" x 72", >550 To 600 LB Cast Iron Tree Grate With Frame .....	3,762.16	179.06
32 94 43 00-0033 EA 72" x 72", >600 To 650 LB Cast Iron Tree Grate With Frame .....	3,885.49	179.06
32 94 43 00-0034 EA 72" x 72", >650 To 700 LB Cast Iron Tree Grate With Frame .....	3,984.16	179.06
32 94 43 00-0035 EA 72" x 72", >700 To 750 LB Cast Iron Tree Grate With Frame .....	4,058.16	179.06
32 94 43 00-0036 EA 72" x 72", >750 To 800 LB Cast Iron Tree Grate With Frame .....	4,107.49	179.06
32 94 43 00-0037 EA 72" x 72", >800 To 850 LB Cast Iron Tree Grate With Frame .....	4,132.16	179.06
32 94 43 00-0038 EA 72" x 72", >850 LB Cast Iron Tree Grate With Frame .....	4,156.83	179.06
<b>32 94 43 00-0039 Rectangular Cast Iron Tree Grates With Frames (32 94 43 00-0001)</b>		
32 94 43 00-0040 EA 36" x 48", 200 To 250 LB Cast Iron Tree Grate With Frame .....	1,833.54	84.26
32 94 43 00-0041 EA 36" x 60", 200 To 250 LB Cast Iron Tree Grate With Frame .....	1,870.54	84.26
32 94 43 00-0042 EA 36" x 72", 275 To 325 LB Cast Iron Tree Grate With Frame .....	2,285.14	105.33
32 94 43 00-0043 EA 48" x 72", Up To 350 LB Cast Iron Tree Grate With Frame .....	2,697.08	105.33
32 94 43 00-0044 EA 48" x 72", >350 LB Cast Iron Tree Grate With Frame .....	2,874.69	105.33
32 94 43 00-0045 EA 60" x 84", 700 To 750 LB Cast Iron Tree Grate With Frame .....	3,836.16	179.06
<b>32 94 49 Plant and Tree Accessories (32 94)</b>		
<b>32 94 49 00-0001 Tree Guying (32 94 49)</b>		
<b>32 94 49 00-0002 Tree Guying, Stakes (32 94 49 00-0001)</b>		
Note: Includes stakes, cross brace, double #12 gauge twisted wire and reinforced rubber hose tree wrap.		
32 94 49 00-0003 EA Tree Guying Up To 2" Caliper, 2 Stakes, Guy Wire And Wrap .....	23.41	
32 94 49 00-0004 EA Tree Guying 2" To 3" Caliper, 2 Stakes, Guy Wire And Wrap .....	41.14	
32 94 49 00-0005 EA Tree Guying 3" To 4" Caliper, 3 Stakes, Guy Wire And Wrap .....	70.76	
<b>32 94 49 00-0006 Tree Guying, Anchors (32 94 49 00-0001)</b>		
Note: Includes arrowhead anchor, cable, turnbuckles and wrap or reinforced rubber hose.		
32 94 49 00-0007 EA Tree Guying Up To 3" Caliper, 3" Anchors And Polypropylene Flat Rope .....	99.26	
32 94 49 00-0008 EA Tree Guying 3" To 6" Caliper, 4" Anchors And Polypropylene Flat Rope .....	134.00	
32 94 49 00-0009 EA Tree Guying 6" To 8" Caliper, 6" Anchors And Polypropylene Flat Rope .....	172.03	
32 94 49 00-0010 EA Tree Guying 8" And Up Caliper, 8" Anchors And Polypropylene Flat Rope .....	221.62	
<b>32 94 49 00-0011 Tree Wrap (32 94 49)</b>		
32 94 49 00-0012 EA Tree Wrap, Up To 1" Caliper Applied Ground Level To First Branches Of Tree .....	6.36	
32 94 49 00-0013 EA Tree Wrap, 1" To 2" Caliper Applied Ground Level To First Branches Of Tree .....	10.65	
32 94 49 00-0014 EA Tree Wrap, >2" To 4" Caliper Applied Ground Level To First Branches Of Tree .....	21.25	
32 94 49 00-0015 EA Tree Wrap, >4" To 6" Caliper Applied Ground Level To First Branches Of Tree .....	33.25	
<b>32 94 49 00-0016 Tree Guards (32 94 49)</b>		
32 94 49 00-0017 EA 3' Preformed Plastic Tree Guard .....	13.35	
32 94 49 00-0018 EA 2' Preformed Plastic Tree Guard .....	11.52	

**32 Exterior Improvements****32 90 Planting****32 94 Planting Accessories**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

32 94 49 00-0019	Stake Out Tree And Shrub Locations <small>(32 94 49)</small>		
	Note: When no design available.		
32 94 49 00-0020	EA Stake Out Trees Or Shrubs .....	6.63	
32 94 49 00-0021	Root Barriers <small>(32 94 49)</small>		
32 94 49 00-0022	EA 12" High x 24" Long, 0.080" Polypropylene, Root Barrier Panel With Self Locking Joiner.....	12.18	
32 94 49 00-0023	EA 18" High x 24" Long, 0.080" Polypropylene, Root Barrier Panel With Self Locking Joiner.....	17.50	
32 94 49 00-0024	EA 24" High x 24" Long, 0.080" Polypropylene, Root Barrier Panel With Self Locking Joiner.....	20.73	
32 94 49 00-0025	EA 36" High x 24" Long, 0.080" Polypropylene, Root Barrier Panel With Self Locking Joiner.....	39.36	
32 94 49 00-0026	EA 48" High x 24" Long, 0.080" Polypropylene, Root Barrier Panel With Self Locking Joiner.....	54.59	

**32 96 Transplanting** (32 96)

See CSI section 32 94 49 00-0001 for guying.

**32 96 33 Shrub Transplanting** (32 96)

Note: Includes digging up, moving on site, digging new hole and replanting.

32 96 33 00-0001	Moving Shrubs On Site, Relocate <small>(32 96 33)</small>		
	Note: Includes digging up, moving on site, digging new hole and replanting. See CSI section 32 94 49 00-0001 for guying.		
32 96 33 00-0002	EA Up To 18" Root Ball, Move Shrubs On Site .....	70.79	
	For >25 To 50, Deduct	-7.08	
	For >50, Deduct	-10.62	
32 96 33 00-0003	EA >18" To 24" Root Ball, Move Shrubs On Site.....	95.78	
	For >25 To 50, Deduct	-9.58	
	For >50, Deduct	-14.37	
32 96 33 00-0004	EA >24" To 30" Root Ball, Move Shrubs On Site.....	162.40	
	For >25 To 50, Deduct	-16.24	
	For >50, Deduct	-24.36	
32 96 33 00-0005	EA >30" To 36" Root Ball, Move Shrubs On Site.....	249.85	
	For >25 To 50, Deduct	-24.99	
	For >50, Deduct	-37.48	

**32 96 43 Tree Transplanting** (32 96)

Note: Includes digging up, moving on site, digging new hole and replanting.

32 96 43 00-0001	Moving Trees On Site, Relocate <small>(32 96 43)</small>		
	Note: Includes digging up, moving on site, digging new hole and replanting. Excludes crane where necessary for trees over 20' tall. See CSI section 01 22 23 00-0831 for crane lifting equipment, 32 94 49 00-0001 for guying.		
32 96 43 00-0002	EA Up To 24" Root Ball, Move Trees On Site .....	281.36	
	For >5 To 10, Deduct	-14.07	
	For >10 To 20, Deduct	-28.14	
	For >20, Deduct	-42.20	
32 96 43 00-0003	EA >24" To 30" Root Ball, Move Trees On Site.....	385.87	
	For >5 To 10, Deduct	-19.29	
	For >10 To 20, Deduct	-38.59	
	For >20, Deduct	-57.88	
32 96 43 00-0004	EA >30" To 36" Root Ball, Move Trees On Site.....	625.25	
	For >5 To 10, Deduct	-31.26	
	For >10 To 20, Deduct	-62.53	
	For >20, Deduct	-93.79	
32 96 43 00-0005	EA >36" To 48" Root Ball, Move Trees On Site.....	1,038.88	
	For >5 To 10, Deduct	-51.94	
	For >10 To 20, Deduct	-103.89	
	For >20, Deduct	-155.83	
32 96 43 00-0006	EA >48" To 60" Root Ball, Move Trees On Site.....	1,688.18	
	For >5 To 10, Deduct	-84.41	
	For >10 To 20, Deduct	-168.82	
	For >20, Deduct	-253.23	
32 96 43 00-0007	EA >60" To 72" Root Ball, Move Trees On Site.....	2,178.30	
	For >5 To 10, Deduct	-108.92	
	For >10 To 20, Deduct	-217.83	
	For >20, Deduct	-326.75	
32 96 43 00-0008	EA >72" To 84" Root Ball, Move Trees On Site.....	2,813.63	
	For >5 To 10, Deduct	-140.68	
	For >10 To 20, Deduct	-281.36	
	For >20, Deduct	-422.04	
32 96 43 00-0009	EA >84" To 96" Root Ball, Move Trees On Site.....	3,376.35	
	For >5 To 10, Deduct	-168.82	
	For >10 To 20, Deduct	-337.64	
	For >20, Deduct	-506.45	
32 96 43 00-0010	EA >96" To 120" Root Ball, Move Trees On Site.....	3,836.77	
	For >5 To 10, Deduct	-191.84	
	For >10 To 20, Deduct	-383.68	
	For >20, Deduct	-575.52	



<b>Exterior Improvements</b>		<b>32</b>	<b>32</b>
	Planting	32 90	
	Transplanting	32 96	

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**END OF SECTION 32**

32	<b>32</b>	<b>Exterior Improvements</b>
	32 90	Planting
	32 96	Transplanting



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

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<b>Utilities</b>	<b>33</b>	<b>CS</b>	
<b>Operation and Maintenance of Utilities</b>			<b>33 01</b>
<b>Operation and Maintenance of Water Utilities</b>			<b>33 01 10</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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### 33 Utilities

Note: Buried plastic pipe and conduit includes detectable tracer wire

#### 33 01 Operation and Maintenance of Utilities <sup>(33)</sup>

##### 33 01 10 Operation and Maintenance of Water Utilities <sup>(33 01)</sup>

##### 33 01 10 54 Cleaning of Water Utility Piping <sup>(33 01 10)</sup>

See CSI section 33 01 30 41-0012 for cleaning of water lines.

##### 33 01 10 58 Disinfection of Water Utility Piping Systems <sup>(33 01 10)</sup>

##### 33 01 10 58-0001 Water Main Disinfection/Sterilization <sup>(33 01 10 58)</sup>

Note: Gas chlorination. Continuous or plug method.

33 01 10 58-0002	EA	Setting Up And Removing Equipment For Water Main Disinfection/Sterilization, Gas Chlorination Method .....	981.13
33 01 10 58-0003	EA	Re-Set Up/Move Equipment For Water Main Disinfection/Sterilization, Gas Chlorination Method .....	490.57
33 01 10 58-0004	LF	Up To 4" Diameter Pipe Water Main Disinfection/Sterilization .....	0.37
		<i>For &gt;250 To 500, Deduct</i>	-0.02
		<i>For &gt;500 To 1,000, Deduct</i>	-0.04
		<i>For &gt;1,000 To 2,000, Deduct</i>	-0.06
		<i>For &gt;2,000 To 5,000, Deduct</i>	-0.07
		<i>For &gt;5,000, Deduct</i>	-0.09
33 01 10 58-0005	LF	6" Diameter Pipe Water Main Disinfection/Sterilization .....	0.57
		<i>For &gt;250 To 500, Deduct</i>	-0.03
		<i>For &gt;500 To 1,000, Deduct</i>	-0.06
		<i>For &gt;1,000 To 2,000, Deduct</i>	-0.09
		<i>For &gt;2,000 To 5,000, Deduct</i>	-0.11
		<i>For &gt;5,000, Deduct</i>	-0.14
33 01 10 58-0006	LF	8" Diameter Pipe Water Main Disinfection/Sterilization .....	0.74
		<i>For &gt;250 To 500, Deduct</i>	-0.04
		<i>For &gt;500 To 1,000, Deduct</i>	-0.07
		<i>For &gt;1,000 To 2,000, Deduct</i>	-0.11
		<i>For &gt;2,000 To 5,000, Deduct</i>	-0.15
		<i>For &gt;5,000, Deduct</i>	-0.19
33 01 10 58-0007	LF	10" Diameter Pipe Water Main Disinfection/Sterilization .....	0.87
		<i>For &gt;250 To 500, Deduct</i>	-0.04
		<i>For &gt;500 To 1,000, Deduct</i>	-0.09
		<i>For &gt;1,000 To 2,000, Deduct</i>	-0.13
		<i>For &gt;2,000 To 5,000, Deduct</i>	-0.17
		<i>For &gt;5,000, Deduct</i>	-0.22
33 01 10 58-0008	LF	12" Diameter Pipe Water Main Disinfection/Sterilization .....	1.13
		<i>For &gt;250 To 500, Deduct</i>	-0.06
		<i>For &gt;500 To 1,000, Deduct</i>	-0.11
		<i>For &gt;1,000 To 2,000, Deduct</i>	-0.17
		<i>For &gt;2,000 To 5,000, Deduct</i>	-0.23
		<i>For &gt;5,000, Deduct</i>	-0.28
33 01 10 58-0009	LF	>12" To 16" Diameter Pipe Water Main Disinfection/Sterilization .....	1.28
		<i>For &gt;250 To 500, Deduct</i>	-0.06
		<i>For &gt;500 To 1,000, Deduct</i>	-0.13
		<i>For &gt;1,000 To 2,000, Deduct</i>	-0.19
		<i>For &gt;2,000 To 5,000, Deduct</i>	-0.26
		<i>For &gt;5,000, Deduct</i>	-0.32
33 01 10 58-0010	LF	>16" To 24" Diameter Pipe Water Main Disinfection/Sterilization .....	1.47
		<i>For &gt;250 To 500, Deduct</i>	-0.07
		<i>For &gt;500 To 1,000, Deduct</i>	-0.15
		<i>For &gt;1,000 To 2,000, Deduct</i>	-0.22
		<i>For &gt;2,000 To 5,000, Deduct</i>	-0.29
		<i>For &gt;5,000, Deduct</i>	-0.37
33 01 10 58-0011	LF	>24" To 30" Diameter Pipe Water Main Disinfection/Sterilization .....	1.73
		<i>For &gt;250 To 500, Deduct</i>	-0.09
		<i>For &gt;500 To 1,000, Deduct</i>	-0.17
		<i>For &gt;1,000 To 2,000, Deduct</i>	-0.26
		<i>For &gt;2,000 To 5,000, Deduct</i>	-0.35
		<i>For &gt;5,000, Deduct</i>	-0.43
33 01 10 58-0012	LF	>30" To 42" Diameter Pipe Water Main Disinfection/Sterilization .....	2.23
		<i>For &gt;250 To 500, Deduct</i>	-0.11
		<i>For &gt;500 To 1,000, Deduct</i>	-0.22
		<i>For &gt;1,000 To 2,000, Deduct</i>	-0.33
		<i>For &gt;2,000 To 5,000, Deduct</i>	-0.45
		<i>For &gt;5,000, Deduct</i>	-0.56
33 01 10 58-0013	LF	>42" To 60" Diameter Pipe Water Main Disinfection/Sterilization .....	3.27
		<i>For &gt;250 To 500, Deduct</i>	-0.16
		<i>For &gt;500 To 1,000, Deduct</i>	-0.33
		<i>For &gt;1,000 To 2,000, Deduct</i>	-0.49
		<i>For &gt;2,000 To 5,000, Deduct</i>	-0.65
		<i>For &gt;5,000, Deduct</i>	-0.82
33 01 10 58-0014	LF	>60" Diameter Pipe Water Main Disinfection/Sterilization .....	4.53
		<i>For &gt;250 To 500, Deduct</i>	-0.23
		<i>For &gt;500 To 1,000, Deduct</i>	-0.45
		<i>For &gt;1,000 To 2,000, Deduct</i>	-0.68
		<i>For &gt;2,000 To 5,000, Deduct</i>	-0.91
		<i>For &gt;5,000, Deduct</i>	-1.13

**33 Utilities****33 01 Operation and Maintenance of Utilities****33 01 10 Operation and Maintenance of Water Utilities**

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

**33 01 10 71 Relining Water Utilities Pipelines** (33 01 10)

See CSI section 33 01 30 71-0000 for relining water pipelines.

33 01 10 71-0001	EA	Relining Underground Water Pipelines <small>(33 01 10 71)</small>	
		Note: Excludes costs for CCTV inspection, pipe cleaning, pavement; temporary and permanent, emergency after hours response for homeowners backups.	
33 01 10 71-0002	EA	Relining Underground Water Pipelines Set-Up And Reinsertion <small>(33 01 10 71-0001)</small>	
33 01 10 71-0003	EA	Initial Set Up And Final Equipment Removal For Relining Underground Water Pipelines .....	5,173.30
33 01 10 71-0004	EA	Move And Reset Up At Different Access/Location .....	2,069.32
33 01 10 71-0005	LF	Lining Pipe With Cement <small>(33 01 10 71-0001)</small>	
33 01 10 71-0006	LF	Up To 500', 4" Pipe, 1/8" Pipe Lining With Cement .....	59.91
		For 3/16" Thickness, Add	1.39
		For 1/4" Thickness, Add	2.77
33 01 10 71-0007	LF	>500' To 1,000', 4" Pipe, 1/8" Pipe Lining With Cement .....	53.45
		For 3/16" Thickness, Add	1.39
		For 1/4" Thickness, Add	2.77
33 01 10 71-0008	LF	>1,000' To 5,000', 4" Pipe, 1/8" Pipe Lining With Cement .....	44.81
		For 3/16" Thickness, Add	1.39
		For 1/4" Thickness, Add	2.77
33 01 10 71-0009	LF	>5,000', 4" Pipe, 1/8" Pipe Lining With Cement .....	33.95
		For 3/16" Thickness, Add	1.39
		For 1/4" Thickness, Add	2.77
33 01 10 71-0010	LF	Up To 500', 6" Pipe, 1/8" Pipe Lining With Cement .....	62.77
		For 3/16" Thickness, Add	2.08
		For 1/4" Thickness, Add	4.15
33 01 10 71-0011	LF	>500' To 1,000', 6" Pipe, 1/8" Pipe Lining With Cement .....	56.07
		For 3/16" Thickness, Add	2.08
		For 1/4" Thickness, Add	4.15
33 01 10 71-0012	LF	>1,000' To 5,000', 6" Pipe, 1/8" Pipe Lining With Cement .....	47.12
		For 3/16" Thickness, Add	2.08
		For 1/4" Thickness, Add	4.15
33 01 10 71-0013	LF	>5,000', 6" Pipe, 1/8" Pipe Lining With Cement .....	36.12
		For 3/16" Thickness, Add	2.08
		For 1/4" Thickness, Add	4.15
33 01 10 71-0014	LF	Up To 500', 8" Pipe, 1/8" Pipe Lining With Cement .....	65.52
		For 3/16" Thickness, Add	2.76
		For 1/4" Thickness, Add	5.52
33 01 10 71-0015	LF	>500' To 1,000', 8" Pipe, 1/8" Pipe Lining With Cement .....	58.67
		For 3/16" Thickness, Add	2.76
		For 1/4" Thickness, Add	5.52
33 01 10 71-0016	LF	>1,000' To 5,000', 8" Pipe, 1/8" Pipe Lining With Cement .....	49.44
		For 3/16" Thickness, Add	2.76
		For 1/4" Thickness, Add	5.52
33 01 10 71-0017	LF	>5,000', 8" Pipe, 1/8" Pipe Lining With Cement .....	38.28
		For 3/16" Thickness, Add	2.76
		For 1/4" Thickness, Add	5.52
33 01 10 71-0018	LF	Up To 500', 10" Pipe, 1/8" Pipe Lining With Cement .....	67.76
		For 3/16" Thickness, Add	3.46
		For 1/4" Thickness, Add	6.92
33 01 10 71-0019	LF	>500' To 1,000', 10" Pipe, 1/8" Pipe Lining With Cement .....	60.80
		For 3/16" Thickness, Add	3.46
		For 1/4" Thickness, Add	6.92
33 01 10 71-0020	LF	>1,000' To 5,000', 10" Pipe, 1/8" Pipe Lining With Cement .....	51.43
		For 3/16" Thickness, Add	3.46
		For 1/4" Thickness, Add	6.92
33 01 10 71-0021	LF	>5,000', 10" Pipe, 1/8" Pipe Lining With Cement .....	40.47
		For 3/16" Thickness, Add	3.46
		For 1/4" Thickness, Add	6.92
33 01 10 71-0022	LF	Up To 500', 12" Pipe, 1/8" Pipe Lining With Cement .....	73.51
		For 3/16" Thickness, Add	4.15
		For 1/4" Thickness, Add	8.29
33 01 10 71-0023	LF	>500' To 1,000', 12" Pipe, 1/8" Pipe Lining With Cement .....	66.12
		For 3/16" Thickness, Add	4.15
		For 1/4" Thickness, Add	8.29
33 01 10 71-0024	LF	>1,000' To 5,000', 12" Pipe, 1/8" Pipe Lining With Cement .....	56.15
		For 3/16" Thickness, Add	4.15
		For 1/4" Thickness, Add	8.29
33 01 10 71-0025	LF	>5,000', 12" Pipe, 1/8" Pipe Lining With Cement .....	44.31
		For 3/16" Thickness, Add	4.15
		For 1/4" Thickness, Add	8.29
33 01 10 71-0026	LF	Up To 500', >12" To 16" Pipe, 3/16" Pipe Lining With Cement .....	81.04
		For 1/4" Thickness, Add	4.61
		For 5/16" Thickness, Add	9.23
33 01 10 71-0027	LF	>500' To 1,000', >12" To 16" Pipe, 3/16" Pipe Lining With Cement .....	73.37
		For 1/4" Thickness, Add	4.61
		For 5/16" Thickness, Add	9.23
33 01 10 71-0028	LF	>1,000' To 5,000', >12" To 16" Pipe, 3/16" Pipe Lining With Cement .....	62.98
		For 1/4" Thickness, Add	4.61
		For 5/16" Thickness, Add	9.23
33 01 10 71-0029	LF	>5,000', >12" To 16" Pipe, 3/16" Pipe Lining With Cement .....	51.64
		For 1/4" Thickness, Add	4.61
		For 5/16" Thickness, Add	9.23



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 10 71-0030 LF Up To 500', >16" To 20" Pipe, 3/16" Pipe Lining With Cement.....	85.77	
<i>For 1/4" Thickness, Add</i>	5.53	
<i>For 5/16" Thickness, Add</i>	11.06	
33 01 10 71-0031 LF >500' To 1,000', >16" To 20" Pipe, 3/16" Pipe Lining With Cement.....	77.86	
<i>For 1/4" Thickness, Add</i>	5.53	
<i>For 5/16" Thickness, Add</i>	11.06	
33 01 10 71-0032 LF >1,000' To 5,000', >16" To 20" Pipe, 3/16" Pipe Lining With Cement.....	67.11	
<i>For 1/4" Thickness, Add</i>	5.53	
<i>For 5/16" Thickness, Add</i>	11.06	
33 01 10 71-0033 LF >5,000', >16" To 20" Pipe, 3/16" Pipe Lining With Cement.....	56.35	
<i>For 1/4" Thickness, Add</i>	5.53	
<i>For 5/16" Thickness, Add</i>	11.06	
33 01 10 71-0034 LF Up To 500', >20" To 22" Pipe, 3/16" Pipe Lining With Cement.....	91.40	
<i>For 1/4" Thickness, Add</i>	6.45	
<i>For 5/16" Thickness, Add</i>	12.91	
33 01 10 71-0035 LF >500' To 1,000', >20" To 22" Pipe, 3/16" Pipe Lining With Cement.....	83.22	
<i>For 1/4" Thickness, Add</i>	6.45	
<i>For 5/16" Thickness, Add</i>	12.91	
33 01 10 71-0036 LF >1,000' To 5,000', >20" To 22" Pipe, 3/16" Pipe Lining With Cement.....	71.95	
<i>For 1/4" Thickness, Add</i>	6.45	
<i>For 5/16" Thickness, Add</i>	12.91	
33 01 10 71-0037 LF >5,000', >20" To 22" Pipe, 3/16" Pipe Lining With Cement.....	61.89	
<i>For 1/4" Thickness, Add</i>	6.45	
<i>For 5/16" Thickness, Add</i>	12.91	
33 01 10 71-0038 LF Up To 500', 24" Pipe, 3/16" Pipe Lining With Cement .....	97.13	
<i>For 1/4" Thickness, Add</i>	7.38	
<i>For 5/16" Thickness, Add</i>	14.76	
33 01 10 71-0039 LF >500' To 1,000', 24" Pipe, 3/16" Pipe Lining With Cement .....	88.62	
<i>For 1/4" Thickness, Add</i>	7.38	
<i>For 5/16" Thickness, Add</i>	14.76	
33 01 10 71-0040 LF >1,000' To 5,000', 24" Pipe, 3/16" Pipe Lining With Cement .....	77.01	
<i>For 1/4" Thickness, Add</i>	7.38	
<i>For 5/16" Thickness, Add</i>	14.76	
33 01 10 71-0041 LF >5,000', 24" Pipe, 3/16" Pipe Lining With Cement .....	67.64	
<i>For 1/4" Thickness, Add</i>	7.38	
<i>For 5/16" Thickness, Add</i>	14.76	
33 01 10 71-0042 LF Up To 500', 30" Pipe, 3/16" Pipe Lining With Cement .....	105.52	
<i>For 1/4" Thickness, Add</i>	9.22	
<i>For 5/16" Thickness, Add</i>	18.44	
33 01 10 71-0043 LF >500' To 1,000', 30" Pipe, 3/16" Pipe Lining With Cement .....	96.50	
<i>For 1/4" Thickness, Add</i>	9.22	
<i>For 5/16" Thickness, Add</i>	18.44	
33 01 10 71-0044 LF >1,000' To 5,000', 30" Pipe, 3/16" Pipe Lining With Cement .....	84.21	
<i>For 1/4" Thickness, Add</i>	9.22	
<i>For 5/16" Thickness, Add</i>	18.44	
33 01 10 71-0045 LF >5,000', 30" Pipe, 3/16" Pipe Lining With Cement .....	74.73	
<i>For 1/4" Thickness, Add</i>	9.22	
<i>For 5/16" Thickness, Add</i>	18.44	
33 01 10 71-0046 LF Up To 500', 36" Pipe, 3/16" Pipe Lining With Cement .....	113.82	
<i>For 1/4" Thickness, Add</i>	11.07	
<i>For 5/16" Thickness, Add</i>	22.13	
33 01 10 71-0047 LF 500' To 1,000', 36" Pipe, 3/16" Pipe Lining With Cement .....	104.42	
<i>For 1/4" Thickness, Add</i>	11.07	
<i>For 5/16" Thickness, Add</i>	22.13	
33 01 10 71-0048 LF >1,000' To 5,000', 36" Pipe, 3/16" Pipe Lining With Cement .....	91.42	
<i>For 1/4" Thickness, Add</i>	11.07	
<i>For 5/16" Thickness, Add</i>	22.13	
33 01 10 71-0049 LF >5,000', 36" Pipe, 3/16" Pipe Lining With Cement .....	81.85	
<i>For 1/4" Thickness, Add</i>	11.07	
<i>For 5/16" Thickness, Add</i>	22.13	
33 01 10 71-0050 LF Up To 500', 42" Pipe, 1/4" Pipe Lining With Cement .....	146.21	
<i>For 3/8" Thickness, Add</i>	29.05	
<i>For 7/16" Thickness, Add</i>	43.57	
33 01 10 71-0051 LF >500' To 1,000', 42" Pipe, 1/4" Pipe Lining With Cement .....	135.96	
<i>For 3/8" Thickness, Add</i>	29.05	
<i>For 7/16" Thickness, Add</i>	43.57	
33 01 10 71-0052 LF >1,000' To 5,000', 42" Pipe, 1/4" Pipe Lining With Cement .....	121.84	
<i>For 3/8" Thickness, Add</i>	29.05	
<i>For 7/16" Thickness, Add</i>	43.57	
33 01 10 71-0053 LF >5,000', 42" Pipe, 1/4" Pipe Lining With Cement.....	111.97	
<i>For 3/8" Thickness, Add</i>	29.05	
<i>For 7/16" Thickness, Add</i>	43.57	
33 01 10 71-0054 LF Up To 500', 48" Pipe, 1/4" Pipe Lining With Cement .....	161.90	
<i>For 3/8" Thickness, Add</i>	33.19	
<i>For 7/16" Thickness, Add</i>	49.79	
33 01 10 71-0055 LF >500' To 1,000', 48" Pipe, 1/4" Pipe Lining With Cement .....	150.93	
<i>For 3/8" Thickness, Add</i>	33.19	
<i>For 7/16" Thickness, Add</i>	49.79	
33 01 10 71-0056 LF >1,000' To 5,000', 48" Pipe, 1/4" Pipe Lining With Cement .....	135.75	
<i>For 3/8" Thickness, Add</i>	33.19	
<i>For 7/16" Thickness, Add</i>	49.79	
33 01 10 71-0057 LF >5,000', 48" Pipe, 1/4" Pipe Lining With Cement.....	125.68	
<i>For 3/8" Thickness, Add</i>	33.19	
<i>For 7/16" Thickness, Add</i>	49.79	

**33 Utilities****33 01 Operation and Maintenance of Utilities****33 01 10 Operation and Maintenance of Water Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 10 71-0058 LF Up To 500', 54" Pipe, 1/4" Pipe Lining With Cement .....	171.98	
For 3/8" Thickness, Add	37.34	
For 7/16" Thickness, Add	56.01	
33 01 10 71-0059 LF >500' To 1,000', 54" Pipe, 1/4" Pipe Lining With Cement .....	160.78	
For 3/8" Thickness, Add	37.34	
For 7/16" Thickness, Add	56.01	
33 01 10 71-0060 LF >1,000' To 5,000', 54" Pipe, 1/4" Pipe Lining With Cement .....	145.24	
For 3/8" Thickness, Add	37.34	
For 7/16" Thickness, Add	56.01	
33 01 10 71-0061 LF >5,000', 54" Pipe, 1/4" Pipe Lining With Cement .....	135.56	
For 3/8" Thickness, Add	37.34	
For 7/16" Thickness, Add	56.01	
33 01 10 71-0062 LF Up To 500', 60" Pipe, 1/4" Pipe Lining With Cement .....	182.08	
For 3/8" Thickness, Add	41.50	
For 7/16" Thickness, Add	62.25	
33 01 10 71-0063 LF >500' To 1,000', 60" Pipe, 1/4" Pipe Lining With Cement .....	170.68	
For 3/8" Thickness, Add	41.50	
For 7/16" Thickness, Add	62.25	
33 01 10 71-0064 LF >1,000' To 5,000', 60" Pipe, 1/4" Pipe Lining With Cement .....	154.84	
For 3/8" Thickness, Add	41.50	
For 7/16" Thickness, Add	62.25	
33 01 10 71-0065 LF >5,000', 60" Pipe, 1/4" Pipe Lining With Cement .....	145.47	
For 3/8" Thickness, Add	41.50	
For 7/16" Thickness, Add	62.25	
33 01 10 71-0066 LF Up To 500', 66" Pipe, 1/4" Pipe Lining With Cement .....	192.44	
For 3/8" Thickness, Add	45.65	
For 7/16" Thickness, Add	68.47	
33 01 10 71-0067 LF >500' To 1,000', 66" Pipe, 1/4" Pipe Lining With Cement .....	180.80	
For 3/8" Thickness, Add	45.65	
For 7/16" Thickness, Add	68.47	
33 01 10 71-0068 LF >1,000' To 5,000', 66" Pipe, 1/4" Pipe Lining With Cement .....	164.71	
For 3/8" Thickness, Add	45.65	
For 7/16" Thickness, Add	68.47	
33 01 10 71-0069 LF >5,000', 66" Pipe, 1/4" Pipe Lining With Cement .....	156.02	
For 3/8" Thickness, Add	45.65	
For 7/16" Thickness, Add	68.47	
33 01 10 71-0070 LF Up To 500', 72" Pipe, 1/4" Pipe Lining With Cement .....	203.20	
For 3/8" Thickness, Add	49.80	
For 7/16" Thickness, Add	74.69	
33 01 10 71-0071 LF >500' To 1,000', 72" Pipe, 1/4" Pipe Lining With Cement .....	191.36	
For 3/8" Thickness, Add	49.80	
For 7/16" Thickness, Add	74.69	
33 01 10 71-0072 LF >1,000' To 5,000', 72" Pipe, 1/4" Pipe Lining With Cement .....	174.88	
For 3/8" Thickness, Add	49.80	
For 7/16" Thickness, Add	74.69	
33 01 10 71-0073 LF >5,000', 72" Pipe, 1/4" Pipe Lining With Cement .....	166.70	
For 3/8" Thickness, Add	49.80	
For 7/16" Thickness, Add	74.69	

**33 01 30 Operation and Maintenance of Sewer Utilities** (33 01)**33 01 30 11 Television Inspection Of Pipelines** (33 01 30)

Note: Rotating head color camera. Includes all log records and color video tape, DVD or CD.

**33 01 30 11-0001 Remote Visual Inspection (RVI) Of Pipe Interior And Culverts** (33 01 30 11)**33 01 30 11-0002 Video Camera Set-up** (33 01 30 11-0001)

33 01 30 11-0003 EA Initial Set Up For "Push Camera" Video Camera Inspection, 1" To 12" Diameter Pipe Or Culvert .....	899.69	
Note: A "push camera" is a straight view camera at the end of a rigid push rod for 1" to 12" diameter pipes for distances up to 300 feet.		
33 01 30 11-0004 EA Initial Set Up For "Crawler" Video Camera Inspection, 4" To 30" Diameter Pipe Or Culvert.....	1,799.37	
Note: Crawlers are generally remotely operated vehicles (ROVs) for longer distances (over 300') and for larger diameters (4" and larger).		
33 01 30 11-0005 EA Initial Set Up For "Crawler" Video Camera Inspection, >30" Diameter Pipe Or Culvert .....	2,699.05	
33 01 30 11-0006 EA Re-Set Up/Move For "Push Camera" Video Camera Inspection, 1" To 12" Diameter Pipe Or Culvert .....	449.84	
33 01 30 11-0007 EA Re-Set Up/Move For "Crawler" Video Camera Inspection, 4" And Larger Diameter Pipe Or Culvert .....	899.69	

**33 01 30 11-0008 Video Camera Planning And Analysis Inspection** (33 01 30 11-0001)

Note: For pipe interior and culverts.

33 01 30 11-0009 LF 4" To 6" Diameter Pipe Inspection, Planning/Analysis Phase .....	2.29	
Note: CCTV inspection of pipe interior.		
For >500 To 1,000, Deduct	-0.23	
For >1,000 To 5,000, Deduct	-0.57	
For >5,000, Deduct	-0.80	
33 01 30 11-0010 LF >6" To 12" Diameter Pipe Inspection, Planning/Analysis Phase.....	3.04	
Note: CCTV inspection of pipe interior.		
For >500 To 1,000, Deduct	-0.30	
For >1,000 To 5,000, Deduct	-0.76	
For >5,000, Deduct	-1.06	
33 01 30 11-0011 LF >12" To 21" Diameter Pipe Inspection, Planning/Analysis Phase .....	3.80	
Note: CCTV inspection of pipe interior.		
For >500 To 1,000, Deduct	-0.38	
For >1,000 To 5,000, Deduct	-0.95	
For >5,000, Deduct	-1.33	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 11-0012 LF >21" To 30" Diameter Pipe Inspection, Planning/Analysis Phase.....	5.06	
Note: CCTV inspection of pipe interior.		
For >500 To 1,000, Deduct	-0.51	
For >1,000 To 5,000, Deduct	-1.27	
For >5,000, Deduct	-1.77	
33 01 30 11-0013 LF >30" To 42" Diameter Pipe Inspection, Planning/Analysis Phase.....	7.13	
Note: CCTV inspection of pipe interior.		
For >500 To 1,000, Deduct	-0.71	
For >1,000 To 5,000, Deduct	-1.78	
For >5,000, Deduct	-2.50	
33 01 30 11-0014 LF >42" To 60" Diameter Pipe Inspection, Planning/Analysis Phase.....	9.50	
Note: CCTV inspection of pipe interior.		
For >500 To 1,000, Deduct	-0.95	
For >1,000 To 5,000, Deduct	-2.38	
For >5,000, Deduct	-3.33	
33 01 30 11-0015 LF >60" To 72" Diameter Pipe Inspection, Planning/Analysis Phase.....	13.42	
Note: CCTV inspection of pipe interior.		
For >500 To 1,000, Deduct	-1.34	
For >1,000 To 5,000, Deduct	-3.36	
For >5,000, Deduct	-4.70	
33 01 30 11-0016 LF >72" To 84" Diameter Pipe Inspection, Planning/Analysis Phase.....	19.00	
Note: CCTV inspection of pipe interior.		
For >500 To 1,000, Deduct	-1.90	
For >1,000 To 5,000, Deduct	-4.75	
For >5,000, Deduct	-6.65	
<b>33 01 30 11-0017 Video Camera Pre-Rehab For Pipe Interior And Culverts</b> <small>(33 01 30 11-0001)</small>		
33 01 30 11-0018 LF 4" To 6" Diameter Pipe Inspection, Pre-Rehabilitation Phase .....	3.38	
Note: CCTV inspection of pipe interior.		
For >500 To 1,000, Deduct	-0.34	
For >1,000 To 5,000, Deduct	-0.85	
For >5,000, Deduct	-1.18	
33 01 30 11-0019 LF >6" To 12" Diameter Pipe Inspection, Pre-Rehabilitation Phase .....	4.49	
Note: CCTV inspection of pipe interior.		
For >500 To 1,000, Deduct	-0.45	
For >1,000 To 5,000, Deduct	-1.12	
For >5,000, Deduct	-1.57	
33 01 30 11-0020 LF >12" To 21" Diameter Pipe Inspection, Pre-Rehabilitation Phase .....	5.62	
Note: CCTV inspection of pipe interior.		
For >500 To 1,000, Deduct	-0.56	
For >1,000 To 5,000, Deduct	-1.41	
For >5,000, Deduct	-1.97	
33 01 30 11-0021 LF >21" To 30" Diameter Pipe Inspection, Pre-Rehabilitation Phase .....	7.50	
Note: CCTV inspection of pipe interior.		
For >500 To 1,000, Deduct	-0.75	
For >1,000 To 5,000, Deduct	-1.88	
For >5,000, Deduct	-2.63	
33 01 30 11-0022 LF >30" To 42" Diameter Pipe Inspection, Pre-Rehabilitation Phase .....	10.55	
Note: CCTV inspection of pipe interior.		
For >500 To 1,000, Deduct	-1.06	
For >1,000 To 5,000, Deduct	-2.64	
For >5,000, Deduct	-3.69	
33 01 30 11-0023 LF >42" To 60" Diameter Pipe Inspection, Pre-Rehabilitation Phase .....	14.06	
Note: CCTV inspection of pipe interior.		
For >500 To 1,000, Deduct	-1.41	
For >1,000 To 5,000, Deduct	-3.52	
For >5,000, Deduct	-4.92	
33 01 30 11-0024 LF >60" To 72" Diameter Pipe Inspection, Pre-Rehabilitation Phase .....	19.85	
Note: CCTV inspection of pipe interior.		
For >500 To 1,000, Deduct	-1.99	
For >1,000 To 5,000, Deduct	-4.96	
For >5,000, Deduct	-6.95	
33 01 30 11-0025 LF >72" To 84" Diameter Pipe Inspection, Pre-Rehabilitation Phase .....	28.12	
Note: CCTV inspection of pipe interior.		
For >500 To 1,000, Deduct	-2.81	
For >1,000 To 5,000, Deduct	-7.03	
For >5,000, Deduct	-9.84	
<b>33 01 30 11-0026 Video Camera Post-Rehab For Pipe Interior And Culverts</b> <small>(33 01 30 11-0001)</small>		
33 01 30 11-0027 LF 4" To 6" Diameter Pipe Inspection, Post-Rehabilitation Phase.....	2.41	
Note: CCTV inspection of pipe interior.		
For >500 To 1,000, Deduct	-0.24	
For >1,000 To 5,000, Deduct	-0.60	
For >5,000, Deduct	-0.84	
33 01 30 11-0028 LF >6" To 12" Diameter Pipe Inspection, Post-Rehabilitation Phase.....	3.21	
Note: CCTV inspection of pipe interior.		
For >500 To 1,000, Deduct	-0.32	
For >1,000 To 5,000, Deduct	-0.80	
For >5,000, Deduct	-1.12	
33 01 30 11-0029 LF >12" To 21" Diameter Pipe Inspection, Post-Rehabilitation Phase.....	4.02	
Note: CCTV inspection of pipe interior.		
For >500 To 1,000, Deduct	-0.40	
For >1,000 To 5,000, Deduct	-1.01	
For >5,000, Deduct	-1.41	

**33 Utilities****33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 11-0030	LF	>21" To 30" Diameter Pipe Inspection, Post-Rehabilitation Phase.....	5.35	
		Note: CCTV inspection of pipe interior.		
		For >500 To 1,000, Deduct	-0.54	
		For >1,000 To 5,000, Deduct	-1.34	
		For >5,000, Deduct	-1.87	
33 01 30 11-0031	LF	>30" To 42" Diameter Pipe Inspection, Post-Rehabilitation Phase.....	7.53	
		Note: CCTV inspection of pipe interior.		
		For >500 To 1,000, Deduct	-0.75	
		For >1,000 To 5,000, Deduct	-1.88	
		For >5,000, Deduct	-2.64	
33 01 30 11-0032	LF	>42" To 60" Diameter Pipe Inspection, Post-Rehabilitation Phase.....	10.04	
		Note: CCTV inspection of pipe interior.		
		For >500 To 1,000, Deduct	-1.00	
		For >1,000 To 5,000, Deduct	-2.51	
		For >5,000, Deduct	-3.51	
33 01 30 11-0033	LF	>60" To 72" Diameter Pipe Inspection, Post-Rehabilitation Phase.....	14.17	
		Note: CCTV inspection of pipe interior.		
		For >500 To 1,000, Deduct	-1.42	
		For >1,000 To 5,000, Deduct	-3.54	
		For >5,000, Deduct	-4.96	
33 01 30 11-0034	LF	>72" To 84" Diameter Pipe Inspection, Post-Rehabilitation Phase.....	20.08	
		Note: CCTV inspection of pipe interior.		
		For >500 To 1,000, Deduct	-2.01	
		For >1,000 To 5,000, Deduct	-5.02	
		For >5,000, Deduct	-7.03	
<b>33 01 30 41</b>		<b>Cleaning of Sewers</b> <small>(33 01 30)</small>		
33 01 30 41-0001		Pipe Line Cleaning And Flushing <small>(33 01 30 41)</small>		
		Note: Includes flushing. Owner provided water.		
33 01 30 41-0002		Pipe Line Cleaning <small>(33 01 30 41-0001)</small>		
		Note: Includes removal of all debris/waste. Excludes disposal.		
33 01 30 41-0003		Hydro Jet Set-up And Reinsertion <small>(33 01 30 41-0002)</small>		
		Note: Includes mobilization delivery, set-up, clean-up after use and return.		
33 01 30 41-0004	EA	Initial Set Up And Final Equipment Removal For Up To 8" Jet Cleaning.....	1,359.69	
33 01 30 41-0005	EA	Initial Set Up And Final Equipment Removal For >8" To 12" Jet Cleaning.....	2,039.54	
33 01 30 41-0006	EA	Initial Set Up And Final Equipment Removal For >12" To 30" Jet Cleaning.....	2,719.40	
33 01 30 41-0007	EA	Initial Set Up And Final Equipment Removal For >30" Jet Cleaning.....	3,625.85	
33 01 30 41-0008	EA	Move And Reset Up At Different Access/Location For Up To 8" Jet Cleaning.....	339.93	
33 01 30 41-0009	EA	Move And Reset Up At Different Access/Location For >8" To 12" Jet Cleaning.....	509.89	
33 01 30 41-0010	EA	Move And Reset Up At Different Access/Location For >12" To 30" Jet Cleaning.....	679.85	
33 01 30 41-0011	EA	Move And Reset Up At Different Access/Location For >30" Jet Cleaning.....	849.80	
<b>33 01 30 41-0012</b>		<b>Hydro Jet Cleaning Of Sewer And Water Pipelines</b> <small>(33 01 30 41-0002)</small>		
33 01 30 41-0013	LF	Up To 4" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes.....	3.65	
		For >250 To 500, Deduct	-0.18	
		For >500 To 1,000, Deduct	-0.37	
		For >1,000 To 2,000, Deduct	-0.55	
		For >2,000 To 5,000, Deduct	-0.73	
		For >5,000, Deduct	-0.91	
		For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	2.74	
33 01 30 41-0014	LF	6" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes.....	4.20	
		For >250 To 500, Deduct	-0.21	
		For >500 To 1,000, Deduct	-0.42	
		For >1,000 To 2,000, Deduct	-0.63	
		For >2,000 To 5,000, Deduct	-0.84	
		For >5,000, Deduct	-1.05	
		For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	3.15	
33 01 30 41-0015	LF	8" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes.....	4.93	
		For >250 To 500, Deduct	-0.25	
		For >500 To 1,000, Deduct	-0.49	
		For >1,000 To 2,000, Deduct	-0.74	
		For >2,000 To 5,000, Deduct	-0.99	
		For >5,000, Deduct	-1.23	
		For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	3.70	
33 01 30 41-0016	LF	10" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes.....	6.09	
		For >250 To 500, Deduct	-0.30	
		For >500 To 1,000, Deduct	-0.61	
		For >1,000 To 2,000, Deduct	-0.91	
		For >2,000 To 5,000, Deduct	-1.22	
		For >5,000, Deduct	-1.52	
		For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	4.57	
33 01 30 41-0017	LF	12" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes.....	6.91	
		For >250 To 500, Deduct	-0.35	
		For >500 To 1,000, Deduct	-0.69	
		For >1,000 To 2,000, Deduct	-1.04	
		For >2,000 To 5,000, Deduct	-1.38	
		For >5,000, Deduct	-1.73	
		For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	5.18	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 41-0018 LF >12" To 16" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes.....	7.98	
<i>For &gt;250 To 500, Deduct</i>	-0.40	
<i>For &gt;500 To 1,000, Deduct</i>	-0.80	
<i>For &gt;1,000 To 2,000, Deduct</i>	-1.20	
<i>For &gt;2,000 To 5,000, Deduct</i>	-1.60	
<i>For &gt;5,000, Deduct</i>	-2.00	
<i>For Heavy Cleaning, &gt;4 Passes (Includes Attached Mechanical Device), Add</i>	5.99	
33 01 30 41-0019 LF >16" To 24" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes.....	9.61	
<i>For &gt;250 To 500, Deduct</i>	-0.48	
<i>For &gt;500 To 1,000, Deduct</i>	-0.96	
<i>For &gt;1,000 To 2,000, Deduct</i>	-1.44	
<i>For &gt;2,000 To 5,000, Deduct</i>	-1.92	
<i>For &gt;5,000, Deduct</i>	-2.40	
<i>For Heavy Cleaning, &gt;4 Passes (Includes Attached Mechanical Device), Add</i>	7.21	
33 01 30 41-0020 LF >24" To 30" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes.....	10.89	
<i>For &gt;250 To 500, Deduct</i>	-0.54	
<i>For &gt;500 To 1,000, Deduct</i>	-1.09	
<i>For &gt;1,000 To 2,000, Deduct</i>	-1.63	
<i>For &gt;2,000 To 5,000, Deduct</i>	-2.18	
<i>For &gt;5,000, Deduct</i>	-2.72	
<i>For Heavy Cleaning, &gt;4 Passes (Includes Attached Mechanical Device), Add</i>	8.17	
33 01 30 41-0021 LF >30" To 42" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes.....	12.88	
<i>For &gt;250 To 500, Deduct</i>	-0.64	
<i>For &gt;500 To 1,000, Deduct</i>	-1.29	
<i>For &gt;1,000 To 2,000, Deduct</i>	-1.93	
<i>For &gt;2,000 To 5,000, Deduct</i>	-2.58	
<i>For &gt;5,000, Deduct</i>	-3.22	
<i>For Heavy Cleaning, &gt;4 Passes (Includes Attached Mechanical Device), Add</i>	9.66	
33 01 30 41-0022 LF >42" To 60" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes.....	16.18	
<i>For &gt;250 To 500, Deduct</i>	-0.81	
<i>For &gt;500 To 1,000, Deduct</i>	-1.62	
<i>For &gt;1,000 To 2,000, Deduct</i>	-2.43	
<i>For &gt;2,000 To 5,000, Deduct</i>	-3.24	
<i>For &gt;5,000, Deduct</i>	-4.05	
<i>For Heavy Cleaning, &gt;4 Passes (Includes Attached Mechanical Device), Add</i>	12.14	
33 01 30 41-0023 LF >60" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes.....	18.89	
<i>For &gt;250 To 500, Deduct</i>	-0.94	
<i>For &gt;500 To 1,000, Deduct</i>	-1.89	
<i>For &gt;1,000 To 2,000, Deduct</i>	-2.83	
<i>For &gt;2,000 To 5,000, Deduct</i>	-3.78	
<i>For &gt;5,000, Deduct</i>	-4.72	
<i>For Heavy Cleaning, &gt;4 Passes (Includes Attached Mechanical Device), Add</i>	14.17	
<b>33 01 30 41-0024 Flushing Of Storm Water Pipelines</b> <small>(33 01 30 41-0002)</small>		
Note: To remove silt and small debris from storm drainage pipes. Excludes disposal.		
33 01 30 41-0025 LF 12" To 16" Diameter Pipe Line Flushing.....	1.34	
<i>For &gt;250 To 500, Deduct</i>	-0.07	
<i>For &gt;500 To 1,000, Deduct</i>	-0.13	
<i>For &gt;1,000 To 2,000, Deduct</i>	-0.20	
<i>For &gt;2,000 To 5,000, Deduct</i>	-0.27	
<i>For &gt;5,000, Deduct</i>	-0.34	
33 01 30 41-0026 LF >16" To 24" Diameter Pipe Line Flushing.....	1.54	
<i>For &gt;250 To 500, Deduct</i>	-0.08	
<i>For &gt;500 To 1,000, Deduct</i>	-0.15	
<i>For &gt;1,000 To 2,000, Deduct</i>	-0.23	
<i>For &gt;2,000 To 5,000, Deduct</i>	-0.31	
<i>For &gt;5,000, Deduct</i>	-0.39	
33 01 30 41-0027 LF >24" To 30" Diameter Pipe Line Flushing.....	1.80	
<i>For &gt;250 To 500, Deduct</i>	-0.09	
<i>For &gt;500 To 1,000, Deduct</i>	-0.18	
<i>For &gt;1,000 To 2,000, Deduct</i>	-0.27	
<i>For &gt;2,000 To 5,000, Deduct</i>	-0.36	
<i>For &gt;5,000, Deduct</i>	-0.45	
33 01 30 41-0028 LF >30" To 42" Diameter Pipe Line Flushing.....	2.07	
<i>For &gt;250 To 500, Deduct</i>	-0.10	
<i>For &gt;500 To 1,000, Deduct</i>	-0.21	
<i>For &gt;1,000 To 2,000, Deduct</i>	-0.31	
<i>For &gt;2,000 To 5,000, Deduct</i>	-0.41	
<i>For &gt;5,000, Deduct</i>	-0.52	
33 01 30 41-0029 LF >42" To 60" Diameter Pipe Line Flushing.....	2.76	
<i>For &gt;250 To 500, Deduct</i>	-0.14	
<i>For &gt;500 To 1,000, Deduct</i>	-0.28	
<i>For &gt;1,000 To 2,000, Deduct</i>	-0.41	
<i>For &gt;2,000 To 5,000, Deduct</i>	-0.55	
<i>For &gt;5,000, Deduct</i>	-0.69	
<b>33 01 30 41-0030 Hydro Jet Cleaning Of Culverts</b> <small>(33 01 30 41-0002)</small>		
33 01 30 41-0031 LF Jet Cleaning Of Culvert, 0-250 LF.....	16.91	
<i>For &gt;250 To 500, Deduct</i>	-0.85	
<i>For &gt;500 To 1,000, Deduct</i>	-1.69	
<i>For &gt;1,000 To 2,000, Deduct</i>	-2.54	
<i>For &gt;2,000 To 5,000, Deduct</i>	-3.38	
<i>For &gt;5,000, Deduct</i>	-4.23	

**33 Utilities****33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

33 01 30 41-0032		Pipe Line Cleaning, Mechanical Method <small>(33 01 30 41-0001)</small>	
Note: Power winching buckets, scrapers, scooters, porcupines, brushes and other debris removing equipment. Includes removal of all debris/waste. Excludes disposal.			
33 01 30 41-0033	EA	Initial Set Up And Final Equipment Removal For Mechanical Cleaning.....	1,177.36
33 01 30 41-0034	EA	Move And Reset Up At Different Access/Location.....	392.45
33 01 30 41-0035	LF	Up To 4" Diameter Pipe Line Cleaning, Mechanical Method.....	6.84
		<i>For &gt;250 To 500, Deduct</i>	-0.33
		<i>For &gt;500 To 1,000, Deduct</i>	-0.65
		<i>For &gt;1,000 To 2,000, Deduct</i>	-0.98
		<i>For &gt;2,000 To 5,000, Deduct</i>	-1.31
		<i>For &gt;5,000, Deduct</i>	-1.64
33 01 30 41-0036	LF	6" Diameter Pipe Line Cleaning, Mechanical Method.....	9.01
		<i>For &gt;250 To 500, Deduct</i>	-0.42
		<i>For &gt;500 To 1,000, Deduct</i>	-0.84
		<i>For &gt;1,000 To 2,000, Deduct</i>	-1.26
		<i>For &gt;2,000 To 5,000, Deduct</i>	-1.68
		<i>For &gt;5,000, Deduct</i>	-2.10
33 01 30 41-0037	LF	8" Diameter Pipe Line Cleaning, Mechanical Method.....	10.56
		<i>For &gt;250 To 500, Deduct</i>	-0.49
		<i>For &gt;500 To 1,000, Deduct</i>	-0.98
		<i>For &gt;1,000 To 2,000, Deduct</i>	-1.47
		<i>For &gt;2,000 To 5,000, Deduct</i>	-1.96
		<i>For &gt;5,000, Deduct</i>	-2.45
33 01 30 41-0038	LF	10" Diameter Pipe Line Cleaning, Mechanical Method.....	12.22
		<i>For &gt;250 To 500, Deduct</i>	-0.57
		<i>For &gt;500 To 1,000, Deduct</i>	-1.13
		<i>For &gt;1,000 To 2,000, Deduct</i>	-1.70
		<i>For &gt;2,000 To 5,000, Deduct</i>	-2.26
		<i>For &gt;5,000, Deduct</i>	-2.83
33 01 30 41-0039	LF	12" Diameter Pipe Line Cleaning, Mechanical Method.....	13.31
		<i>For &gt;250 To 500, Deduct</i>	-0.61
		<i>For &gt;500 To 1,000, Deduct</i>	-1.23
		<i>For &gt;1,000 To 2,000, Deduct</i>	-1.84
		<i>For &gt;2,000 To 5,000, Deduct</i>	-2.45
		<i>For &gt;5,000, Deduct</i>	-3.07
33 01 30 41-0040	LF	>12" To 16" Diameter Pipe Line Cleaning, Mechanical Method.....	15.35
		<i>For &gt;250 To 500, Deduct</i>	-0.70
		<i>For &gt;500 To 1,000, Deduct</i>	-1.40
		<i>For &gt;1,000 To 2,000, Deduct</i>	-2.10
		<i>For &gt;2,000 To 5,000, Deduct</i>	-2.80
		<i>For &gt;5,000, Deduct</i>	-3.50
33 01 30 41-0041	LF	>16" To 24" Diameter Pipe Line Cleaning, Mechanical Method.....	19.40
		<i>For &gt;250 To 500, Deduct</i>	-0.87
		<i>For &gt;500 To 1,000, Deduct</i>	-1.73
		<i>For &gt;1,000 To 2,000, Deduct</i>	-2.60
		<i>For &gt;2,000 To 5,000, Deduct</i>	-3.46
		<i>For &gt;5,000, Deduct</i>	-4.33
33 01 30 41-0042	LF	>24" To 30" Diameter Pipe Line Cleaning, Mechanical Method.....	22.29
		<i>For &gt;250 To 500, Deduct</i>	-0.97
		<i>For &gt;500 To 1,000, Deduct</i>	-1.93
		<i>For &gt;1,000 To 2,000, Deduct</i>	-2.90
		<i>For &gt;2,000 To 5,000, Deduct</i>	-3.86
		<i>For &gt;5,000, Deduct</i>	-4.83
33 01 30 41-0043	LF	>30" To 42" Diameter Pipe Line Cleaning, Mechanical Method.....	25.95
		<i>For &gt;250 To 500, Deduct</i>	-1.11
		<i>For &gt;500 To 1,000, Deduct</i>	-2.22
		<i>For &gt;1,000 To 2,000, Deduct</i>	-3.33
		<i>For &gt;2,000 To 5,000, Deduct</i>	-4.44
		<i>For &gt;5,000, Deduct</i>	-5.55
33 01 30 41-0044	LF	>42 To 60" Diameter Pipe Line Cleaning, Mechanical Method.....	33.91
		<i>For &gt;250 To 500, Deduct</i>	-1.47
		<i>For &gt;500 To 1,000, Deduct</i>	-2.94
		<i>For &gt;1,000 To 2,000, Deduct</i>	-4.41
		<i>For &gt;2,000 To 5,000, Deduct</i>	-5.89
		<i>For &gt;5,000, Deduct</i>	-7.36
33 01 30 41-0045	LF	>60" Diameter Pipe Line Cleaning, Mechanical Method.....	38.68
		<i>For &gt;250 To 500, Deduct</i>	-1.64
		<i>For &gt;500 To 1,000, Deduct</i>	-3.27
		<i>For &gt;1,000 To 2,000, Deduct</i>	-4.91
		<i>For &gt;2,000 To 5,000, Deduct</i>	-6.54
		<i>For &gt;5,000, Deduct</i>	-8.18
33 01 30 41-0046		Pipe Line Auguring/Rod Out Pipe <small>(33 01 30 41-0001)</small>	
33 01 30 41-0047	EA	Initial Set Up And Final Equipment Removal For Auguring.....	1,177.36
33 01 30 41-0048	EA	Move And Reset Up At Different Location.....	392.45
33 01 30 41-0049	LF	Up To 4" Diameter Pipe Line Auguring/Rod Out.....	3.93
		<i>For &gt;250 To 500, Deduct</i>	-0.20
		<i>For &gt;500 To 1,000, Deduct</i>	-0.39
		<i>For &gt;1,000 To 2,000, Deduct</i>	-0.59
		<i>For &gt;2,000 To 5,000, Deduct</i>	-0.79
		<i>For &gt;5,000, Deduct</i>	-0.98



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 41-0050 LF 6" Diameter Pipe Line Auguring/Rod Out .....	5.08	
<i>For &gt;250 To 500, Deduct</i>	-0.25	
<i>For &gt;500 To 1,000, Deduct</i>	-0.51	
<i>For &gt;1,000 To 2,000, Deduct</i>	-0.76	
<i>For &gt;2,000 To 5,000, Deduct</i>	-1.02	
<i>For &gt;5,000, Deduct</i>	-1.27	
33 01 30 41-0051 LF 8" Diameter Pipe Line Auguring/Rod Out .....	5.89	
<i>For &gt;250 To 500, Deduct</i>	-0.29	
<i>For &gt;500 To 1,000, Deduct</i>	-0.59	
<i>For &gt;1,000 To 2,000, Deduct</i>	-0.88	
<i>For &gt;2,000 To 5,000, Deduct</i>	-1.18	
<i>For &gt;5,000, Deduct</i>	-1.47	
33 01 30 41-0052 LF 10" Diameter Pipe Line Auguring/Rod Out .....	6.85	
<i>For &gt;250 To 500, Deduct</i>	-0.34	
<i>For &gt;500 To 1,000, Deduct</i>	-0.69	
<i>For &gt;1,000 To 2,000, Deduct</i>	-1.03	
<i>For &gt;2,000 To 5,000, Deduct</i>	-1.37	
<i>For &gt;5,000, Deduct</i>	-1.71	
33 01 30 41-0053 LF 12" Diameter Pipe Line Auguring/Rod Out .....	7.36	
<i>For &gt;250 To 500, Deduct</i>	-0.37	
<i>For &gt;500 To 1,000, Deduct</i>	-0.74	
<i>For &gt;1,000 To 2,000, Deduct</i>	-1.10	
<i>For &gt;2,000 To 5,000, Deduct</i>	-1.47	
<i>For &gt;5,000, Deduct</i>	-1.84	
33 01 30 41-0054 LF >12" To 16" Diameter Pipe Line Auguring/Rod Out .....	8.41	
<i>For &gt;250 To 500, Deduct</i>	-0.42	
<i>For &gt;500 To 1,000, Deduct</i>	-0.84	
<i>For &gt;1,000 To 2,000, Deduct</i>	-1.26	
<i>For &gt;2,000 To 5,000, Deduct</i>	-1.68	
<i>For &gt;5,000, Deduct</i>	-2.10	
33 01 30 41-0055 LF >16" To 24" Diameter Pipe Line Auguring/Rod Out .....	10.33	
<i>For &gt;250 To 500, Deduct</i>	-0.52	
<i>For &gt;500 To 1,000, Deduct</i>	-1.03	
<i>For &gt;1,000 To 2,000, Deduct</i>	-1.55	
<i>For &gt;2,000 To 5,000, Deduct</i>	-2.07	
<i>For &gt;5,000, Deduct</i>	-2.58	
33 01 30 41-0056 LF >24" To 30" Diameter Pipe Line Auguring/Rod Out .....	11.55	
<i>For &gt;250 To 500, Deduct</i>	-0.58	
<i>For &gt;500 To 1,000, Deduct</i>	-1.16	
<i>For &gt;1,000 To 2,000, Deduct</i>	-1.73	
<i>For &gt;2,000 To 5,000, Deduct</i>	-2.31	
<i>For &gt;5,000, Deduct</i>	-2.89	
33 01 30 41-0057 LF >30" To 42" Diameter Pipe Line Auguring/Rod Out .....	13.38	
<i>For &gt;250 To 500, Deduct</i>	-0.67	
<i>For &gt;500 To 1,000, Deduct</i>	-1.34	
<i>For &gt;1,000 To 2,000, Deduct</i>	-2.01	
<i>For &gt;2,000 To 5,000, Deduct</i>	-2.68	
<i>For &gt;5,000, Deduct</i>	-3.35	
33 01 30 41-0058 LF >42 To 60" Diameter Pipe Line Auguring/Rod Out .....	18.40	
<i>For &gt;250 To 500, Deduct</i>	-0.92	
<i>For &gt;500 To 1,000, Deduct</i>	-1.84	
<i>For &gt;1,000 To 2,000, Deduct</i>	-2.76	
<i>For &gt;2,000 To 5,000, Deduct</i>	-3.68	
<i>For &gt;5,000, Deduct</i>	-4.60	
33 01 30 41-0059 LF >60" Diameter Pipe Line Auguring/Rod Out .....	19.62	
<i>For &gt;250 To 500, Deduct</i>	-0.98	
<i>For &gt;500 To 1,000, Deduct</i>	-1.96	
<i>For &gt;1,000 To 2,000, Deduct</i>	-2.94	
<i>For &gt;2,000 To 5,000, Deduct</i>	-3.92	
<i>For &gt;5,000, Deduct</i>	-4.91	

**33 01 30 42 Cleaning of Manholes (33 01 30)**

33 01 30 42-0001 Structure Cleaning And Flushing (33 01 30 42)  
 Note: Includes flushing. Owner provided water.

33 01 30 42-0002 Rod Out Structures And Other Hand Operations (33 01 30 42-0001)

33 01 30 42-0003 EA Rod Out Waste Water Drain .....	49.34
33 01 30 42-0004 EA Rod Out Sewer Catch Basin .....	98.68
33 01 30 42-0005 EA Up To 6" Diameter Pipe, Rod Out Blockage .....	19.74
33 01 30 42-0006 EA 8" Diameter Pipe, Rod Out Blockage .....	21.71
33 01 30 42-0007 EA 10" Diameter Pipe, Rod Out Blockage .....	24.67
33 01 30 42-0008 EA 12" Diameter Pipe, Rod Out Blockage .....	28.62
33 01 30 42-0009 EA >12" To 16" Diameter Pipe, Rod Out Blockage .....	33.55
33 01 30 42-0010 EA >16" To 24" Diameter Pipe, Rod Out Blockage .....	39.47
33 01 30 42-0011 EA >24" To 30" Diameter Pipe, Rod Out Blockage .....	46.38
33 01 30 42-0012 EA >30" To 42" Diameter Pipe, Rod Out Blockage .....	53.29
33 01 30 42-0013 EA >42" To 60" Diameter Pipe, Rod Out Blockage .....	62.16
33 01 30 42-0014 EA >60" Diameter Pipe, Rod Out Blockage .....	74.01
33 01 30 42-0015 EA Clean Out Debris From Entrance To Inlet Structure .....	246.70
33 01 30 42-0016 EA 3' To 4' Diameter, Clean Out Blocked Manhole By Hand .....	828.50
<i>For &gt;10 To 100, Deduct</i>	-124.28
<i>For &gt;100 To 250, Deduct</i>	-186.41
<i>For &gt;250, Deduct</i>	-248.55

**33 Utilities**  
**33 01 Operation and Maintenance of Utilities**  
**33 01 30 Operation and Maintenance of Sewer Utilities**



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 42-0017	EA	5' To 6' Diameter, Clean Out Blocked Manhole By Hand..... <i>For &gt;10 To 100, Deduct</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250, Deduct</i>	994.19 -149.13 -223.69 -298.26	
33 01 30 42-0018	EA	Clean Out Blocked Catch Basin By Hand..... <i>For &gt;10 To 100, Deduct</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250, Deduct</i>	497.10 -74.57 -111.85 -149.13	
<b>33 01 30 42-0019</b>		<b>Cleaning Manholes And Drainage Structures With Jet/Vacuum</b> <small>(33 01 30 42-0001)</small> Note: Includes the removal of debris with high pressure water jetting and vacuum equipment and cleaning of grate. Excludes hardened concrete debris and disposal of material.		
33 01 30 42-0020	EA	Jet/Vacuum Clean 1 To 2 Catch Basins Or Manholes.....	296.12	
33 01 30 42-0021	EA	Jet/Vacuum Clean 3 To 10 Catch Basins Or Manholes.....	275.03	
33 01 30 42-0022	EA	Jet/Vacuum Clean 11 To 25 Catch Basins Or Manholes.....	253.94	
33 01 30 42-0023	EA	Jet/Vacuum Clean 26 To 100 Catch Basins Or Manholes.....	232.85	
33 01 30 42-0024	EA	Jet/Vacuum Clean 101 To 250 Catch Basins Or Manholes.....	211.77	
33 01 30 42-0025	EA	Jet/Vacuum Clean >250 Catch Basins Or Manholes.....	190.67	
<b>33 01 30 51</b>		<b>Maintenance of Utilities</b> <small>(33 01 30)</small>		
<b>33 01 30 51-0001</b>		<b>Pipe Repair</b> <small>(33 01 30 51)</small> Note: Excludes excavation and backfill where required See CSI section 31 23 00 00-0000 for excavation and backfill.		
<b>33 01 30 51-0002</b>		<b>Pipe Repair Clamp, Full Circle, Single Band</b> <small>(33 01 30 51-0001)</small> Note: Repair clamps for asbestos cement pipe, cast iron soil pipe, non-reinforced concrete pipe, PVC pipe, vitrified clay pipe, gray iron pipe and ductile iron pipe.		
33 01 30 51-0003	EA	2" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)..... <i>For Stainless Steel Nuts And Bolts, Add</i>	126.15 20.64	
33 01 30 51-0004	EA	2" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)..... <i>For Stainless Steel Nuts And Bolts, Add</i>	179.37 31.10	
33 01 30 51-0005	EA	2" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)..... <i>For Stainless Steel Nuts And Bolts, Add</i>	207.28 36.63	
33 01 30 51-0006	EA	2" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)..... <i>For Stainless Steel Nuts And Bolts, Add</i>	236.18 42.14	
33 01 30 51-0007	EA	2-1/2" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)..... <i>For Stainless Steel Nuts And Bolts, Add</i>	136.09 22.41	
33 01 30 51-0008	EA	2-1/2" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)..... <i>For Stainless Steel Nuts And Bolts, Add</i>	190.67 33.19	
33 01 30 51-0009	EA	2-1/2" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)..... <i>For Stainless Steel Nuts And Bolts, Add</i>	218.55 38.59	
33 01 30 51-0010	EA	2-1/2" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)..... <i>For Stainless Steel Nuts And Bolts, Add</i>	252.60 45.15	
33 01 30 51-0011	EA	3" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)..... <i>For Stainless Steel Nuts And Bolts, Add</i>	146.35 24.52	
33 01 30 51-0012	EA	3" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)..... <i>For Stainless Steel Nuts And Bolts, Add</i>	198.33 34.70	
33 01 30 51-0013	EA	3" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)..... <i>For Stainless Steel Nuts And Bolts, Add</i>	229.32 40.68	
33 01 30 51-0014	EA	3" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)..... <i>For Stainless Steel Nuts And Bolts, Add</i>	267.40 48.30	
33 01 30 51-0015	EA	4" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)..... <i>For Stainless Steel Nuts And Bolts, Add</i>	164.91 27.88	
33 01 30 51-0016	EA	4" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)..... <i>For Stainless Steel Nuts And Bolts, Add</i>	217.85 37.53	
33 01 30 51-0017	EA	4" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)..... <i>For Stainless Steel Nuts And Bolts, Add</i>	264.19 45.68	
33 01 30 51-0018	EA	4" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)..... <i>For Stainless Steel Nuts And Bolts, Add</i>	318.28 55.11	
33 01 30 51-0019	EA	4" Diameter, 20" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)..... <i>For Stainless Steel Nuts And Bolts, Add</i>	416.25 74.02	
33 01 30 51-0020	EA	4" Diameter, 25" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)..... <i>For Stainless Steel Nuts And Bolts, Add</i>	517.88 92.93	
33 01 30 51-0021	EA	4" Diameter, 30" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)..... <i>For Stainless Steel Nuts And Bolts, Add</i>	631.84 113.99	
33 01 30 51-0022	EA	6" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)..... <i>For Stainless Steel Nuts And Bolts, Add</i>	193.86 32.90	
33 01 30 51-0023	EA	6" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)..... <i>For Stainless Steel Nuts And Bolts, Add</i>	257.56 44.63	
33 01 30 51-0024	EA	6" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)..... <i>For Stainless Steel Nuts And Bolts, Add</i>	305.04 52.62	
33 01 30 51-0025	EA	6" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)..... <i>For Stainless Steel Nuts And Bolts, Add</i>	357.36 61.15	
33 01 30 51-0026	EA	6" Diameter, 20" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)..... <i>For Stainless Steel Nuts And Bolts, Add</i>	495.05 88.61	
33 01 30 51-0027	EA	6" Diameter, 25" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)..... <i>For Stainless Steel Nuts And Bolts, Add</i>	601.95 108.06	
33 01 30 51-0028	EA	6" Diameter, 30" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)..... <i>For Stainless Steel Nuts And Bolts, Add</i>	718.97 129.12	
33 01 30 51-0029	EA	8" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)..... <i>For Stainless Steel Nuts And Bolts, Add</i>	252.44 39.36	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 51-0030 EA 8" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) ..... <i>For Stainless Steel Nuts And Bolts, Add</i>	328.09 52.08	
33 01 30 51-0031 EA 8" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) ..... <i>For Stainless Steel Nuts And Bolts, Add</i>	396.00 63.02	
33 01 30 51-0032 EA 8" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) ..... <i>For Stainless Steel Nuts And Bolts, Add</i>	472.90 75.10	
33 01 30 51-0033 EA 8" Diameter, 20" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) ..... <i>For Stainless Steel Nuts And Bolts, Add</i>	628.21 104.04	
33 01 30 51-0034 EA 8" Diameter, 25" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) ..... <i>For Stainless Steel Nuts And Bolts, Add</i>	751.35 124.41	
33 01 30 51-0035 EA 8" Diameter, 30" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) ..... <i>For Stainless Steel Nuts And Bolts, Add</i>	889.78 146.43	
33 01 30 51-0036 EA 10" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) ..... <i>For Stainless Steel Nuts And Bolts, Add</i>	295.70 47.90	
33 01 30 51-0037 EA 10" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) ..... <i>For Stainless Steel Nuts And Bolts, Add</i>	397.36 66.26	
33 01 30 51-0038 EA 10" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) ..... <i>For Stainless Steel Nuts And Bolts, Add</i>	467.97 77.47	
33 01 30 51-0039 EA 10" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) ..... <i>For Stainless Steel Nuts And Bolts, Add</i>	574.19 95.82	
33 01 30 51-0040 EA 10" Diameter, 20" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) ..... <i>For Stainless Steel Nuts And Bolts, Add</i>	754.16 129.97	
33 01 30 51-0041 EA 10" Diameter, 25" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) ..... <i>For Stainless Steel Nuts And Bolts, Add</i>	858.27 145.27	
33 01 30 51-0042 EA 10" Diameter, 30" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) ..... <i>For Stainless Steel Nuts And Bolts, Add</i>	1,104.68 191.65	
33 01 30 51-0043 EA 12" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) ..... <i>For Stainless Steel Nuts And Bolts, Add</i>	336.57 54.03	
33 01 30 51-0044 EA 12" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) ..... <i>For Stainless Steel Nuts And Bolts, Add</i>	439.51 71.86	
33 01 30 51-0045 EA 12" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) ..... <i>For Stainless Steel Nuts And Bolts, Add</i>	530.55 86.96	
33 01 30 51-0046 EA 12" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) ..... <i>For Stainless Steel Nuts And Bolts, Add</i>	652.77 108.06	
33 01 30 51-0047 EA 12" Diameter, 20" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) ..... <i>For Stainless Steel Nuts And Bolts, Add</i>	840.11 142.72	
33 01 30 51-0048 EA 12" Diameter, 25" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) ..... <i>For Stainless Steel Nuts And Bolts, Add</i>	987.93 166.67	
33 01 30 51-0049 EA 12" Diameter, 30" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) ..... <i>For Stainless Steel Nuts And Bolts, Add</i>	1,255.72 216.11	
<b>33 01 30 51-0050 Pipe Repair Clamp, Full Circle, Double Bands <small>(33 01 30 51-0001)</small></b> Note: Repair clamps for reinforced concrete pipe, gray iron pipe and ductile iron pipe.		
33 01 30 51-0051 EA 14.38" To 15.13" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)..... <i>For Stainless Steel Nuts And Bolts, Add</i>	749.69 207.89	
33 01 30 51-0052 EA 14.38" To 15.13" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)..... <i>For Stainless Steel Nuts And Bolts, Add</i>	1,062.92 300.12	
33 01 30 51-0053 EA 14.38" To 15.13" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)..... <i>For Stainless Steel Nuts And Bolts, Add</i>	1,431.35 407.00	
33 01 30 51-0054 EA 14.38" To 15.13" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)..... <i>For Stainless Steel Nuts And Bolts, Add</i>	2,108.65 613.43	
33 01 30 51-0055 EA 15.07" To 15.82" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)..... <i>For Stainless Steel Nuts And Bolts, Add</i>	786.90 218.12	
33 01 30 51-0056 EA 15.07" To 15.82" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)..... <i>For Stainless Steel Nuts And Bolts, Add</i>	1,112.68 314.03	
33 01 30 51-0057 EA 15.07" To 15.82" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)..... <i>For Stainless Steel Nuts And Bolts, Add</i>	1,494.70 424.56	
33 01 30 51-0058 EA 15.07" To 15.82" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)..... <i>For Stainless Steel Nuts And Bolts, Add</i>	2,210.48 642.70	
33 01 30 51-0059 EA 15.92" To 16.67" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)..... <i>For Stainless Steel Nuts And Bolts, Add</i>	806.96 222.53	
33 01 30 51-0060 EA 15.92" To 16.67" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)..... <i>For Stainless Steel Nuts And Bolts, Add</i>	1,139.08 319.90	
33 01 30 51-0061 EA 15.92" To 16.67" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)..... <i>For Stainless Steel Nuts And Bolts, Add</i>	1,533.89 434.08	
33 01 30 51-0062 EA 15.92" To 16.67" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)..... <i>For Stainless Steel Nuts And Bolts, Add</i>	2,266.60 656.60	
33 01 30 51-0063 EA 16.56" To 17.31" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)..... <i>For Stainless Steel Nuts And Bolts, Add</i>	828.01 226.92	

**33 Utilities****33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 51-0064 EA 16.56" To 17.31" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228).....	1,169.13	
<i>For Stainless Steel Nuts And Bolts, Add</i>	326.48	
33 01 30 51-0065 EA 16.56" To 17.31" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228).....	1,571.79	
<i>For Stainless Steel Nuts And Bolts, Add</i>	442.13	
33 01 30 51-0066 EA 16.56" To 17.31" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228).....	2,322.66	
<i>For Stainless Steel Nuts And Bolts, Add</i>	669.79	
33 01 30 51-0067 EA 17.15" To 17.90" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228).....	846.93	
<i>For Stainless Steel Nuts And Bolts, Add</i>	230.58	
33 01 30 51-0068 EA 17.15" To 17.90" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228).....	1,194.85	
<i>For Stainless Steel Nuts And Bolts, Add</i>	331.60	
33 01 30 51-0069 EA 17.15" To 17.90" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228).....	1,609.68	
<i>For Stainless Steel Nuts And Bolts, Add</i>	450.18	
33 01 30 51-0070 EA 17.15" To 17.90" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228).....	2,373.28	
<i>For Stainless Steel Nuts And Bolts, Add</i>	680.76	
33 01 30 51-0071 EA 17.82" To 18.57" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228).....	864.82	
<i>For Stainless Steel Nuts And Bolts, Add</i>	234.25	
33 01 30 51-0072 EA 17.82" To 18.57" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228).....	1,221.23	
<i>For Stainless Steel Nuts And Bolts, Add</i>	337.45	
33 01 30 51-0073 EA 17.82" To 18.57" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228).....	1,643.44	
<i>For Stainless Steel Nuts And Bolts, Add</i>	457.50	
33 01 30 51-0074 EA 17.82" To 18.57" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228).....	2,405.64	
<i>For Stainless Steel Nuts And Bolts, Add</i>	686.25	
33 01 30 51-0075 EA 18.46" To 19.21" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228).....	885.34	
<i>For Stainless Steel Nuts And Bolts, Add</i>	238.81	
33 01 30 51-0076 EA 18.46" To 19.21" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228).....	1,252.41	
<i>For Stainless Steel Nuts And Bolts, Add</i>	344.77	
33 01 30 51-0077 EA 18.46" To 19.21" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228).....	1,679.29	
<i>For Stainless Steel Nuts And Bolts, Add</i>	465.55	
33 01 30 51-0078 EA 18.46" To 19.21" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228).....	2,477.98	
<i>For Stainless Steel Nuts And Bolts, Add</i>	705.65	
<b>33 01 30 51-0079 Polyseal Pipe Coupler</b> <small>(33 01 30 51-0001)</small>		
33 01 30 51-0080 EA 18" Diameter Pipe, PolySeal Repair Couplers (MarMac).....	325.09	
33 01 30 51-0081 EA 24" Diameter Pipe, PolySeal Repair Couplers (MarMac).....	366.87	
<b>33 01 30 70 Rehabilitation of Sewer Utilities</b> <small>(33 01 30)</small>		
<b>33 01 30 70-0001 Cementitious Pipe Coatings By Hand</b> <small>(33 01 30 70)</small>		
Note: To be used on repair areas to install the coating on the exposed portion of the pipe.		
33 01 30 70-0002 SF Up To 1" Thick Cementitious Coating On Pipe, Troweled On.....	9.62	
33 01 30 70-0003 SF >1" To 2" Thick Cementitious Coating On Pipe, Troweled On.....	14.68	
<b>33 01 30 71 Relining Sewers</b> <small>(33 01 30)</small>		
<b>33 01 30 71-0001 Relining Underground Pipelines</b> <small>(33 01 30 71)</small>		
Note: Excludes CCTV inspection, sewer cleaning, pavement both temporary and permanent, emergency after hours response for homeowners backups. See CSI section 01 22 20 00-0000 for hourly rates for after hours response for homeowners backups, 32 01 17 63-0000 for temporary pavement, 32 12 16 00-0000 for permanent pavement, 33 01 30 11-0000 for CCTV inspection, 33 01 30 41-0002 for sewer cleaning.		
<b>33 01 30 71-0002 Lining Pipe, Spray Applied With Structural Polyurethane</b> <small>(33 01 30 71-0001)</small>		
Note: Two part structural polyurethane.		
<b>33 01 30 71-0003 Mobilization And Setup For Spray Applied Structural Polyurethane Lining</b> <small>(33 01 30 71-0002)</small>		
33 01 30 71-0004 EA Initial Set Up And Final Equipment Removal For Spray Applied Structural Polyurethane Lining.....	1,739.79	
<b>33 01 30 71-0005 Lining Pipe, Spray Applied With 100 mil Structural Polyurethane</b> <small>(33 01 30 71-0002)</small>		
Note: Two part structural polyurethane.		
33 01 30 71-0006 LF 36" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane .....	57.79	
<i>For Up To 75, Add</i>	12.50	
<i>For &gt;75 To 150, Add</i>	5.78	
<i>For &gt;150 To 1,000, Deduct</i>	-1.53	
<i>For &gt;1,000 To 2,000, Deduct</i>	-2.97	
<i>For &gt;2,000 To 5,000, Deduct</i>	-4.59	
<i>For &gt;5,000, Deduct</i>	-6.72	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 71-0007 LF 42" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane .....	67.44	
<i>For Up To 75, Add</i>	14.58	
<i>For &gt;75 To 150, Add</i>	6.74	
<i>For &gt;500 To 1,000, Deduct</i>	-1.79	
<i>For &gt;1,000 To 2,000, Deduct</i>	-3.46	
<i>For &gt;2,000 To 5,000, Deduct</i>	-5.36	
<i>For &gt;5,000, Deduct</i>	-7.84	
33 01 30 71-0008 LF 48" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane .....	77.07	
<i>For Up To 75, Add</i>	16.67	
<i>For &gt;75 To 150, Add</i>	7.71	
<i>For &gt;500 To 1,000, Deduct</i>	-2.04	
<i>For &gt;1,000 To 2,000, Deduct</i>	-3.96	
<i>For &gt;2,000 To 5,000, Deduct</i>	-6.13	
<i>For &gt;5,000, Deduct</i>	-8.96	
33 01 30 71-0009 LF 54" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane .....	86.70	
<i>For Up To 75, Add</i>	18.75	
<i>For &gt;75 To 150, Add</i>	8.67	
<i>For &gt;500 To 1,000, Deduct</i>	-2.30	
<i>For &gt;1,000 To 2,000, Deduct</i>	-4.45	
<i>For &gt;2,000 To 5,000, Deduct</i>	-6.89	
<i>For &gt;5,000, Deduct</i>	-10.08	
33 01 30 71-0010 LF 60" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane .....	96.34	
<i>For Up To 75, Add</i>	20.83	
<i>For &gt;75 To 150, Add</i>	9.63	
<i>For &gt;500 To 1,000, Deduct</i>	-2.55	
<i>For &gt;1,000 To 2,000, Deduct</i>	-4.95	
<i>For &gt;2,000 To 5,000, Deduct</i>	-7.66	
<i>For &gt;5,000, Deduct</i>	-11.20	
33 01 30 71-0011 LF 66" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane .....	105.96	
<i>For Up To 75, Add</i>	22.91	
<i>For &gt;75 To 150, Add</i>	10.60	
<i>For &gt;500 To 1,000, Deduct</i>	-2.81	
<i>For &gt;1,000 To 2,000, Deduct</i>	-5.44	
<i>For &gt;2,000 To 5,000, Deduct</i>	-8.42	
<i>For &gt;5,000, Deduct</i>	-12.32	
33 01 30 71-0012 LF 72" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane .....	115.61	
<i>For Up To 75, Add</i>	25.00	
<i>For &gt;75 To 150, Add</i>	11.56	
<i>For &gt;500 To 1,000, Deduct</i>	-3.06	
<i>For &gt;1,000 To 2,000, Deduct</i>	-5.94	
<i>For &gt;2,000 To 5,000, Deduct</i>	-9.19	
<i>For &gt;5,000, Deduct</i>	-13.44	
33 01 30 71-0013 LF 78" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane .....	125.24	
<i>For Up To 75, Add</i>	27.08	
<i>For &gt;75 To 150, Add</i>	12.52	
<i>For &gt;500 To 1,000, Deduct</i>	-3.32	
<i>For &gt;1,000 To 2,000, Deduct</i>	-6.43	
<i>For &gt;2,000 To 5,000, Deduct</i>	-9.95	
<i>For &gt;5,000, Deduct</i>	-14.56	
33 01 30 71-0014 LF 84" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane .....	134.87	
<i>For Up To 75, Add</i>	29.16	
<i>For &gt;75 To 150, Add</i>	13.49	
<i>For &gt;500 To 1,000, Deduct</i>	-3.57	
<i>For &gt;1,000 To 2,000, Deduct</i>	-6.93	
<i>For &gt;2,000 To 5,000, Deduct</i>	-10.72	
<i>For &gt;5,000, Deduct</i>	-15.68	
33 01 30 71-0015 LF 90" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane .....	144.50	
<i>For Up To 75, Add</i>	31.25	
<i>For &gt;75 To 150, Add</i>	14.45	
<i>For &gt;500 To 1,000, Deduct</i>	-3.83	
<i>For &gt;1,000 To 2,000, Deduct</i>	-7.42	
<i>For &gt;2,000 To 5,000, Deduct</i>	-11.48	
<i>For &gt;5,000, Deduct</i>	-16.80	
33 01 30 71-0016 LF 96" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane .....	154.14	
<i>For Up To 75, Add</i>	33.33	
<i>For &gt;75 To 150, Add</i>	15.41	
<i>For &gt;500 To 1,000, Deduct</i>	-4.08	
<i>For &gt;1,000 To 2,000, Deduct</i>	-7.92	
<i>For &gt;2,000 To 5,000, Deduct</i>	-12.25	
<i>For &gt;5,000, Deduct</i>	-17.92	
33 01 30 71-0017 LF 102" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane .....	163.77	
<i>For Up To 75, Add</i>	35.41	
<i>For &gt;75 To 150, Add</i>	16.38	
<i>For &gt;500 To 1,000, Deduct</i>	-4.34	
<i>For &gt;1,000 To 2,000, Deduct</i>	-8.41	
<i>For &gt;2,000 To 5,000, Deduct</i>	-13.02	
<i>For &gt;5,000, Deduct</i>	-19.04	
33 01 30 71-0018 LF 108" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane .....	173.40	
<i>For Up To 75, Add</i>	37.50	
<i>For &gt;75 To 150, Add</i>	17.34	
<i>For &gt;500 To 1,000, Deduct</i>	-4.59	
<i>For &gt;1,000 To 2,000, Deduct</i>	-8.91	
<i>For &gt;2,000 To 5,000, Deduct</i>	-13.78	
<i>For &gt;5,000, Deduct</i>	-20.16	

**33 Utilities**  
**33 01 Operation and Maintenance of Utilities**  
**33 01 30 Operation and Maintenance of Sewer Utilities**



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 71-0019 LF 114" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane .....	183.04	
For Up To 75, Add	39.58	
For >75 To 150, Add	18.30	
For >500 To 1,000, Deduct	-4.85	
For >1,000 To 2,000, Deduct	-9.40	
For >2,000 To 5,000, Deduct	-14.55	
For >5,000, Deduct	-21.28	
33 01 30 71-0020 LF 120" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane .....	192.68	
For Up To 75, Add	41.66	
For >75 To 150, Add	19.27	
For >500 To 1,000, Deduct	-5.10	
For >1,000 To 2,000, Deduct	-9.90	
For >2,000 To 5,000, Deduct	-15.31	
For >5,000, Deduct	-22.40	
33 01 30 71-0021 SF Structure Lining, Spray Applied With 100 mil Structural Polyurethane .....	6.14	
<b>33 01 30 71-0022 Lining Pipe, Spray Applied With 150 mil Structural Polyurethane (33 01 30 71-0002)</b>		
Note: Two part structural polyurethane.		
33 01 30 71-0023 LF 36" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane .....	78.34	
For Up To 75, Add	16.66	
For >75 To 150, Add	7.83	
For >500 To 1,000, Deduct	-1.96	
For >1,000 To 2,000, Deduct	-3.82	
For >2,000 To 5,000, Deduct	-5.89	
For >5,000, Deduct	-8.82	
33 01 30 71-0024 LF 42" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane .....	91.39	
For Up To 75, Add	19.43	
For >75 To 150, Add	9.14	
For >500 To 1,000, Deduct	-2.29	
For >1,000 To 2,000, Deduct	-4.46	
For >2,000 To 5,000, Deduct	-6.87	
For >5,000, Deduct	-10.29	
33 01 30 71-0025 LF 48" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane .....	104.46	
For Up To 75, Add	22.21	
For >75 To 150, Add	10.45	
For >500 To 1,000, Deduct	-2.62	
For >1,000 To 2,000, Deduct	-5.10	
For >2,000 To 5,000, Deduct	-7.85	
For >5,000, Deduct	-11.76	
33 01 30 71-0026 LF 54" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane .....	117.51	
For Up To 75, Add	24.98	
For >75 To 150, Add	11.75	
For >500 To 1,000, Deduct	-2.94	
For >1,000 To 2,000, Deduct	-5.74	
For >2,000 To 5,000, Deduct	-8.83	
For >5,000, Deduct	-13.23	
33 01 30 71-0027 LF 60" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane .....	130.57	
For Up To 75, Add	27.76	
For >75 To 150, Add	13.06	
For >500 To 1,000, Deduct	-3.27	
For >1,000 To 2,000, Deduct	-6.38	
For >2,000 To 5,000, Deduct	-9.81	
For >5,000, Deduct	-14.70	
33 01 30 71-0028 LF 66" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane .....	143.63	
For Up To 75, Add	30.54	
For >75 To 150, Add	14.36	
For >500 To 1,000, Deduct	-3.60	
For >1,000 To 2,000, Deduct	-7.01	
For >2,000 To 5,000, Deduct	-10.79	
For >5,000, Deduct	-16.17	
33 01 30 71-0029 LF 72" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane .....	156.69	
For Up To 75, Add	33.31	
For >75 To 150, Add	15.67	
For >500 To 1,000, Deduct	-3.92	
For >1,000 To 2,000, Deduct	-7.65	
For >2,000 To 5,000, Deduct	-11.77	
For >5,000, Deduct	-17.64	
33 01 30 71-0030 LF 78" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane .....	169.73	
For Up To 75, Add	36.09	
For >75 To 150, Add	16.97	
For >500 To 1,000, Deduct	-4.25	
For >1,000 To 2,000, Deduct	-8.29	
For >2,000 To 5,000, Deduct	-12.75	
For >5,000, Deduct	-19.11	
33 01 30 71-0031 LF 84" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane .....	182.81	
For Up To 75, Add	38.87	
For >75 To 150, Add	18.28	
For >500 To 1,000, Deduct	-4.58	
For >1,000 To 2,000, Deduct	-8.93	
For >2,000 To 5,000, Deduct	-13.73	
For >5,000, Deduct	-20.59	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 71-0032 LF 90" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane .....	195.85	
<i>For Up To 75, Add</i>	41.64	
<i>For &gt;75 To 150, Add</i>	19.59	
<i>For &gt;500 To 1,000, Deduct</i>	-4.90	
<i>For &gt;1,000 To 2,000, Deduct</i>	-9.56	
<i>For &gt;2,000 To 5,000, Deduct</i>	-14.71	
<i>For &gt;5,000, Deduct</i>	-22.05	
33 01 30 71-0033 LF 96" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane .....	208.92	
<i>For Up To 75, Add</i>	44.42	
<i>For &gt;75 To 150, Add</i>	20.89	
<i>For &gt;500 To 1,000, Deduct</i>	-5.23	
<i>For &gt;1,000 To 2,000, Deduct</i>	-10.20	
<i>For &gt;2,000 To 5,000, Deduct</i>	-15.70	
<i>For &gt;5,000, Deduct</i>	-23.53	
33 01 30 71-0034 LF 102" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane .....	221.97	
<i>For Up To 75, Add</i>	47.19	
<i>For &gt;75 To 150, Add</i>	22.20	
<i>For &gt;500 To 1,000, Deduct</i>	-5.56	
<i>For &gt;1,000 To 2,000, Deduct</i>	-10.84	
<i>For &gt;2,000 To 5,000, Deduct</i>	-16.68	
<i>For &gt;5,000, Deduct</i>	-25.00	
33 01 30 71-0035 LF 108" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane .....	235.03	
<i>For Up To 75, Add</i>	49.97	
<i>For &gt;75 To 150, Add</i>	23.50	
<i>For &gt;500 To 1,000, Deduct</i>	-5.89	
<i>For &gt;1,000 To 2,000, Deduct</i>	-11.48	
<i>For &gt;2,000 To 5,000, Deduct</i>	-17.66	
<i>For &gt;5,000, Deduct</i>	-26.47	
33 01 30 71-0036 LF 114" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane .....	248.09	
<i>For Up To 75, Add</i>	52.75	
<i>For &gt;75 To 150, Add</i>	24.81	
<i>For &gt;500 To 1,000, Deduct</i>	-6.21	
<i>For &gt;1,000 To 2,000, Deduct</i>	-12.11	
<i>For &gt;2,000 To 5,000, Deduct</i>	-18.64	
<i>For &gt;5,000, Deduct</i>	-27.94	
33 01 30 71-0037 LF 120" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane .....	261.15	
<i>For Up To 75, Add</i>	55.52	
<i>For &gt;75 To 150, Add</i>	26.12	
<i>For &gt;500 To 1,000, Deduct</i>	-6.54	
<i>For &gt;1,000 To 2,000, Deduct</i>	-12.75	
<i>For &gt;2,000 To 5,000, Deduct</i>	-19.62	
<i>For &gt;5,000, Deduct</i>	-29.41	
33 01 30 71-0038 SF Structure Lining, Spray Applied With 150 mil Structural Polyurethane .....	8.32	
<b>33 01 30 71-0039 Lining Pipe, Spray Applied With 200 mil Structural Polyurethane</b> <small>(33 01 30 71-0002)</small>		
Note: Two part structural polyurethane.		
33 01 30 71-0040 LF 36" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane .....	98.86	
<i>For Up To 75, Add</i>	20.81	
<i>For &gt;75 To 150, Add</i>	9.89	
<i>For &gt;500 To 1,000, Deduct</i>	-2.39	
<i>For &gt;1,000 To 2,000, Deduct</i>	-4.68	
<i>For &gt;2,000 To 5,000, Deduct</i>	-7.18	
<i>For &gt;5,000, Deduct</i>	-10.93	
33 01 30 71-0041 LF 42" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane .....	115.34	
<i>For Up To 75, Add</i>	24.28	
<i>For &gt;75 To 150, Add</i>	11.53	
<i>For &gt;500 To 1,000, Deduct</i>	-2.79	
<i>For &gt;1,000 To 2,000, Deduct</i>	-5.46	
<i>For &gt;2,000 To 5,000, Deduct</i>	-8.38	
<i>For &gt;5,000, Deduct</i>	-12.75	
33 01 30 71-0042 LF 48" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane .....	131.82	
<i>For Up To 75, Add</i>	27.75	
<i>For &gt;75 To 150, Add</i>	13.18	
<i>For &gt;500 To 1,000, Deduct</i>	-3.19	
<i>For &gt;1,000 To 2,000, Deduct</i>	-6.24	
<i>For &gt;2,000 To 5,000, Deduct</i>	-9.57	
<i>For &gt;5,000, Deduct</i>	-14.57	
33 01 30 71-0043 LF 54" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane .....	148.29	
<i>For Up To 75, Add</i>	31.22	
<i>For &gt;75 To 150, Add</i>	14.83	
<i>For &gt;500 To 1,000, Deduct</i>	-3.59	
<i>For &gt;1,000 To 2,000, Deduct</i>	-7.02	
<i>For &gt;2,000 To 5,000, Deduct</i>	-10.77	
<i>For &gt;5,000, Deduct</i>	-16.39	
33 01 30 71-0044 LF 60" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane .....	164.77	
<i>For Up To 75, Add</i>	34.69	
<i>For &gt;75 To 150, Add</i>	16.48	
<i>For &gt;500 To 1,000, Deduct</i>	-3.99	
<i>For &gt;1,000 To 2,000, Deduct</i>	-7.80	
<i>For &gt;2,000 To 5,000, Deduct</i>	-11.97	
<i>For &gt;5,000, Deduct</i>	-18.21	

**33 Utilities****33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 71-0045 LF 66" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane .....	181.25	
For Up To 75, Add	38.16	
For >75 To 150, Add	18.13	
For >500 To 1,000, Deduct	-4.39	
For >1,000 To 2,000, Deduct	-8.58	
For >2,000 To 5,000, Deduct	-13.16	
For >5,000, Deduct	-20.03	
33 01 30 71-0046 LF 72" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane .....	197.73	
For Up To 75, Add	41.63	
For >75 To 150, Add	19.77	
For >500 To 1,000, Deduct	-4.79	
For >1,000 To 2,000, Deduct	-9.36	
For >2,000 To 5,000, Deduct	-14.36	
For >5,000, Deduct	-21.85	
33 01 30 71-0047 LF 78" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane .....	214.20	
For Up To 75, Add	45.09	
For >75 To 150, Add	21.42	
For >500 To 1,000, Deduct	-5.19	
For >1,000 To 2,000, Deduct	-10.14	
For >2,000 To 5,000, Deduct	-15.56	
For >5,000, Deduct	-23.67	
33 01 30 71-0048 LF 84" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane .....	230.69	
For Up To 75, Add	48.56	
For >75 To 150, Add	23.07	
For >500 To 1,000, Deduct	-5.58	
For >1,000 To 2,000, Deduct	-10.93	
For >2,000 To 5,000, Deduct	-16.75	
For >5,000, Deduct	-25.50	
33 01 30 71-0049 LF 90" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane .....	247.16	
For Up To 75, Add	52.03	
For >75 To 150, Add	24.72	
For >500 To 1,000, Deduct	-5.98	
For >1,000 To 2,000, Deduct	-11.71	
For >2,000 To 5,000, Deduct	-17.95	
For >5,000, Deduct	-27.32	
33 01 30 71-0050 LF 96" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane .....	263.63	
For Up To 75, Add	55.50	
For >75 To 150, Add	26.36	
For >500 To 1,000, Deduct	-6.38	
For >1,000 To 2,000, Deduct	-12.49	
For >2,000 To 5,000, Deduct	-19.14	
For >5,000, Deduct	-29.14	
33 01 30 71-0051 LF 102" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane .....	280.12	
For Up To 75, Add	58.97	
For >75 To 150, Add	28.01	
For >500 To 1,000, Deduct	-6.78	
For >1,000 To 2,000, Deduct	-13.27	
For >2,000 To 5,000, Deduct	-20.34	
For >5,000, Deduct	-30.96	
33 01 30 71-0052 LF 108" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane .....	296.59	
For Up To 75, Add	62.44	
For >75 To 150, Add	29.66	
For >500 To 1,000, Deduct	-7.18	
For >1,000 To 2,000, Deduct	-14.05	
For >2,000 To 5,000, Deduct	-21.54	
For >5,000, Deduct	-32.78	
33 01 30 71-0053 LF 114" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane .....	313.07	
For Up To 75, Add	65.97	
For >75 To 150, Add	31.31	
For >500 To 1,000, Deduct	-7.58	
For >1,000 To 2,000, Deduct	-14.83	
For >2,000 To 5,000, Deduct	-22.74	
For >5,000, Deduct	-34.60	
33 01 30 71-0054 LF 120" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane .....	329.55	
For Up To 75, Add	69.38	
For >75 To 150, Add	32.96	
For >500 To 1,000, Deduct	-7.98	
For >1,000 To 2,000, Deduct	-15.61	
For >2,000 To 5,000, Deduct	-23.93	
For >5,000, Deduct	-36.42	
33 01 30 71-0055 SF Structure Lining, Spray Applied With 200 mil Structural Polyurethane .....	10.49	
<b>33 01 30 71-0056 Lining Pipe, Spray Applied With 250 mil Structural Polyurethane (33 01 30 71-0002)</b>		
Note: Two part structural polyurethane.		
33 01 30 71-0057 LF 36" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane .....	119.48	
For Up To 75, Add	24.99	
For >75 To 150, Add	11.95	
For >500 To 1,000, Deduct	-2.83	
For >1,000 To 2,000, Deduct	-5.55	
For >2,000 To 5,000, Deduct	-8.48	
For >5,000, Deduct	-13.04	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 71-0058 LF 42" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane .....	139.39	
<i>For Up To 75, Add</i>	29.16	
<i>For &gt;75 To 150, Add</i>	13.94	
<i>For &gt;500 To 1,000, Deduct</i>	-3.30	
<i>For &gt;1,000 To 2,000, Deduct</i>	-6.47	
<i>For &gt;2,000 To 5,000, Deduct</i>	-9.90	
<i>For &gt;5,000, Deduct</i>	-15.22	
33 01 30 71-0059 LF 48" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane .....	159.30	
<i>For Up To 75, Add</i>	33.32	
<i>For &gt;75 To 150, Add</i>	15.93	
<i>For &gt;500 To 1,000, Deduct</i>	-3.77	
<i>For &gt;1,000 To 2,000, Deduct</i>	-7.39	
<i>For &gt;2,000 To 5,000, Deduct</i>	-11.31	
<i>For &gt;5,000, Deduct</i>	-17.39	
33 01 30 71-0060 LF 54" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane .....	179.21	
<i>For Up To 75, Add</i>	37.48	
<i>For &gt;75 To 150, Add</i>	17.92	
<i>For &gt;500 To 1,000, Deduct</i>	-4.24	
<i>For &gt;1,000 To 2,000, Deduct</i>	-8.32	
<i>For &gt;2,000 To 5,000, Deduct</i>	-12.72	
<i>For &gt;5,000, Deduct</i>	-19.56	
33 01 30 71-0061 LF 60" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane .....	199.12	
<i>For Up To 75, Add</i>	41.65	
<i>For &gt;75 To 150, Add</i>	19.91	
<i>For &gt;500 To 1,000, Deduct</i>	-4.71	
<i>For &gt;1,000 To 2,000, Deduct</i>	-9.24	
<i>For &gt;2,000 To 5,000, Deduct</i>	-14.14	
<i>For &gt;5,000, Deduct</i>	-21.74	
33 01 30 71-0062 LF 66" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane .....	219.04	
<i>For Up To 75, Add</i>	45.81	
<i>For &gt;75 To 150, Add</i>	21.90	
<i>For &gt;500 To 1,000, Deduct</i>	-5.18	
<i>For &gt;1,000 To 2,000, Deduct</i>	-10.17	
<i>For &gt;2,000 To 5,000, Deduct</i>	-15.55	
<i>For &gt;5,000, Deduct</i>	-23.91	
33 01 30 71-0063 LF 72" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane .....	238.96	
<i>For Up To 75, Add</i>	49.98	
<i>For &gt;75 To 150, Add</i>	23.90	
<i>For &gt;500 To 1,000, Deduct</i>	-5.66	
<i>For &gt;1,000 To 2,000, Deduct</i>	-11.09	
<i>For &gt;2,000 To 5,000, Deduct</i>	-16.97	
<i>For &gt;5,000, Deduct</i>	-26.09	
33 01 30 71-0064 LF 78" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane .....	258.87	
<i>For Up To 75, Add</i>	54.15	
<i>For &gt;75 To 150, Add</i>	25.89	
<i>For &gt;500 To 1,000, Deduct</i>	-6.13	
<i>For &gt;1,000 To 2,000, Deduct</i>	-12.01	
<i>For &gt;2,000 To 5,000, Deduct</i>	-18.38	
<i>For &gt;5,000, Deduct</i>	-28.26	
33 01 30 71-0065 LF 84" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane .....	278.77	
<i>For Up To 75, Add</i>	58.31	
<i>For &gt;75 To 150, Add</i>	27.88	
<i>For &gt;500 To 1,000, Deduct</i>	-6.60	
<i>For &gt;1,000 To 2,000, Deduct</i>	-12.94	
<i>For &gt;2,000 To 5,000, Deduct</i>	-19.79	
<i>For &gt;5,000, Deduct</i>	-30.43	
33 01 30 71-0066 LF 90" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane .....	298.69	
<i>For Up To 75, Add</i>	62.47	
<i>For &gt;75 To 150, Add</i>	29.87	
<i>For &gt;500 To 1,000, Deduct</i>	-7.07	
<i>For &gt;1,000 To 2,000, Deduct</i>	-13.86	
<i>For &gt;2,000 To 5,000, Deduct</i>	-21.20	
<i>For &gt;5,000, Deduct</i>	-32.61	
33 01 30 71-0067 LF 96" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane .....	318.60	
<i>For Up To 75, Add</i>	66.64	
<i>For &gt;75 To 150, Add</i>	31.86	
<i>For &gt;500 To 1,000, Deduct</i>	-7.54	
<i>For &gt;1,000 To 2,000, Deduct</i>	-14.79	
<i>For &gt;2,000 To 5,000, Deduct</i>	-22.62	
<i>For &gt;5,000, Deduct</i>	-34.78	
33 01 30 71-0068 LF 102" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane .....	338.51	
<i>For Up To 75, Add</i>	70.80	
<i>For &gt;75 To 150, Add</i>	33.85	
<i>For &gt;500 To 1,000, Deduct</i>	-8.01	
<i>For &gt;1,000 To 2,000, Deduct</i>	-15.71	
<i>For &gt;2,000 To 5,000, Deduct</i>	-24.03	
<i>For &gt;5,000, Deduct</i>	-36.95	
33 01 30 71-0069 LF 108" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane .....	358.42	
<i>For Up To 75, Add</i>	74.97	
<i>For &gt;75 To 150, Add</i>	35.84	
<i>For &gt;500 To 1,000, Deduct</i>	-8.48	
<i>For &gt;1,000 To 2,000, Deduct</i>	-16.63	
<i>For &gt;2,000 To 5,000, Deduct</i>	-25.44	
<i>For &gt;5,000, Deduct</i>	-39.13	

**33 Utilities**  
**33 01 Operation and Maintenance of Utilities**  
**33 01 30 Operation and Maintenance of Sewer Utilities**



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 71-0070 LF 114" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane .....	378.34	
For Up To 75, Add	79.13	
For >75 To 150, Add	37.83	
For >500 To 1,000, Deduct	-8.95	
For >1,000 To 2,000, Deduct	-17.56	
For >2,000 To 5,000, Deduct	-26.86	
For >5,000, Deduct	-41.30	
33 01 30 71-0071 LF 120" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane .....	398.26	
For Up To 75, Add	83.30	
For >75 To 150, Add	39.83	
For >500 To 1,000, Deduct	-9.42	
For >1,000 To 2,000, Deduct	-18.48	
For >2,000 To 5,000, Deduct	-28.27	
For >5,000, Deduct	-43.47	
33 01 30 71-0072 SF Structure Lining, Spray Applied With 250 mil Structural Polyurethane .....	12.67	
<b>33 01 30 71-0073 Lining Pipe, Spray Applied With 300 mil Structural Polyurethane (33 01 30 71-0002)</b>		
Note: Two part structural polyurethane.		
33 01 30 71-0074 LF 36" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane .....	140.22	
For Up To 75, Add	29.20	
For >75 To 150, Add	14.02	
For >500 To 1,000, Deduct	-3.27	
For >1,000 To 2,000, Deduct	-6.42	
For >2,000 To 5,000, Deduct	-9.80	
For >5,000, Deduct	-15.17	
33 01 30 71-0075 LF 42" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane .....	163.59	
For Up To 75, Add	34.06	
For >75 To 150, Add	16.36	
For >500 To 1,000, Deduct	-3.81	
For >1,000 To 2,000, Deduct	-7.48	
For >2,000 To 5,000, Deduct	-11.43	
For >5,000, Deduct	-17.70	
33 01 30 71-0076 LF 48" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane .....	186.97	
For Up To 75, Add	38.93	
For >75 To 150, Add	18.70	
For >500 To 1,000, Deduct	-4.35	
For >1,000 To 2,000, Deduct	-8.55	
For >2,000 To 5,000, Deduct	-13.06	
For >5,000, Deduct	-20.23	
33 01 30 71-0077 LF 54" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane .....	210.33	
For Up To 75, Add	43.79	
For >75 To 150, Add	21.03	
For >500 To 1,000, Deduct	-4.90	
For >1,000 To 2,000, Deduct	-9.62	
For >2,000 To 5,000, Deduct	-14.69	
For >5,000, Deduct	-22.76	
33 01 30 71-0078 LF 60" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane .....	233.70	
For Up To 75, Add	48.66	
For >75 To 150, Add	23.37	
For >500 To 1,000, Deduct	-5.44	
For >1,000 To 2,000, Deduct	-10.69	
For >2,000 To 5,000, Deduct	-16.33	
For >5,000, Deduct	-25.29	
33 01 30 71-0079 LF 66" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane .....	257.06	
For Up To 75, Add	53.52	
For >75 To 150, Add	25.71	
For >500 To 1,000, Deduct	-5.99	
For >1,000 To 2,000, Deduct	-11.76	
For >2,000 To 5,000, Deduct	-17.96	
For >5,000, Deduct	-27.82	
33 01 30 71-0080 LF 72" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane .....	280.43	
For Up To 75, Add	58.39	
For >75 To 150, Add	28.04	
For >500 To 1,000, Deduct	-6.53	
For >1,000 To 2,000, Deduct	-12.83	
For >2,000 To 5,000, Deduct	-19.59	
For >5,000, Deduct	-30.35	
33 01 30 71-0081 LF 78" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane .....	303.80	
For Up To 75, Add	63.26	
For >75 To 150, Add	30.38	
For >500 To 1,000, Deduct	-7.07	
For >1,000 To 2,000, Deduct	-13.90	
For >2,000 To 5,000, Deduct	-21.22	
For >5,000, Deduct	-32.88	
33 01 30 71-0082 LF 84" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane .....	327.17	
For Up To 75, Add	68.12	
For >75 To 150, Add	32.72	
For >500 To 1,000, Deduct	-7.62	
For >1,000 To 2,000, Deduct	-14.97	
For >2,000 To 5,000, Deduct	-22.86	
For >5,000, Deduct	-35.41	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 71-0083 LF 90" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane .....	350.55	
<i>For Up To 75, Add</i>	72.99	
<i>For &gt;75 To 150, Add</i>	35.06	
<i>For &gt;500 To 1,000, Deduct</i>	-8.16	
<i>For &gt;1,000 To 2,000, Deduct</i>	-16.04	
<i>For &gt;2,000 To 5,000, Deduct</i>	-24.49	
<i>For &gt;5,000, Deduct</i>	-37.94	
33 01 30 71-0084 LF 96" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane .....	373.91	
<i>For Up To 75, Add</i>	77.85	
<i>For &gt;75 To 150, Add</i>	37.39	
<i>For &gt;500 To 1,000, Deduct</i>	-8.71	
<i>For &gt;1,000 To 2,000, Deduct</i>	-17.11	
<i>For &gt;2,000 To 5,000, Deduct</i>	-26.12	
<i>For &gt;5,000, Deduct</i>	-40.46	
33 01 30 71-0085 LF 102" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane .....	397.28	
<i>For Up To 75, Add</i>	82.72	
<i>For &gt;75 To 150, Add</i>	39.73	
<i>For &gt;500 To 1,000, Deduct</i>	-9.25	
<i>For &gt;1,000 To 2,000, Deduct</i>	-18.18	
<i>For &gt;2,000 To 5,000, Deduct</i>	-27.75	
<i>For &gt;5,000, Deduct</i>	-42.99	
33 01 30 71-0086 LF 108" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane .....	420.66	
<i>For Up To 75, Add</i>	87.59	
<i>For &gt;75 To 150, Add</i>	42.07	
<i>For &gt;500 To 1,000, Deduct</i>	-9.80	
<i>For &gt;1,000 To 2,000, Deduct</i>	-19.25	
<i>For &gt;2,000 To 5,000, Deduct</i>	-29.39	
<i>For &gt;5,000, Deduct</i>	-45.52	
33 01 30 71-0087 LF 114" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane .....	444.03	
<i>For Up To 75, Add</i>	92.45	
<i>For &gt;75 To 150, Add</i>	44.40	
<i>For &gt;500 To 1,000, Deduct</i>	-10.34	
<i>For &gt;1,000 To 2,000, Deduct</i>	-20.32	
<i>For &gt;2,000 To 5,000, Deduct</i>	-31.02	
<i>For &gt;5,000, Deduct</i>	-48.05	
33 01 30 71-0088 LF 120" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane .....	467.39	
<i>For Up To 75, Add</i>	97.32	
<i>For &gt;75 To 150, Add</i>	46.74	
<i>For &gt;500 To 1,000, Deduct</i>	-10.88	
<i>For &gt;1,000 To 2,000, Deduct</i>	-21.38	
<i>For &gt;2,000 To 5,000, Deduct</i>	-32.65	
<i>For &gt;5,000, Deduct</i>	-50.58	
33 01 30 71-0089 SF Structure Lining, Spray Applied With 300 mil Structural Polyurethane .....	14.88	
<b>33 01 30 71-0090 Lining Pipe, Spray Applied With 400 mil Structural Polyurethane</b> <small>(33 01 30 71-0002)</small>		
Note: Two part structural polyurethane.		
33 01 30 71-0091 LF 36" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane .....	181.74	
<i>For Up To 75, Add</i>	37.63	
<i>For &gt;75 To 150, Add</i>	18.17	
<i>For &gt;500 To 1,000, Deduct</i>	-4.15	
<i>For &gt;1,000 To 2,000, Deduct</i>	-8.17	
<i>For &gt;2,000 To 5,000, Deduct</i>	-12.44	
<i>For &gt;5,000, Deduct</i>	-19.45	
33 01 30 71-0092 LF 42" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane .....	212.03	
<i>For Up To 75, Add</i>	43.90	
<i>For &gt;75 To 150, Add</i>	21.20	
<i>For &gt;500 To 1,000, Deduct</i>	-4.84	
<i>For &gt;1,000 To 2,000, Deduct</i>	-9.53	
<i>For &gt;2,000 To 5,000, Deduct</i>	-14.51	
<i>For &gt;5,000, Deduct</i>	-22.70	
33 01 30 71-0093 LF 48" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane .....	242.32	
<i>For Up To 75, Add</i>	50.17	
<i>For &gt;75 To 150, Add</i>	24.23	
<i>For &gt;500 To 1,000, Deduct</i>	-5.53	
<i>For &gt;1,000 To 2,000, Deduct</i>	-10.89	
<i>For &gt;2,000 To 5,000, Deduct</i>	-16.59	
<i>For &gt;5,000, Deduct</i>	-25.94	
33 01 30 71-0094 LF 54" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane .....	272.61	
<i>For Up To 75, Add</i>	56.44	
<i>For &gt;75 To 150, Add</i>	27.26	
<i>For &gt;500 To 1,000, Deduct</i>	-6.22	
<i>For &gt;1,000 To 2,000, Deduct</i>	-12.25	
<i>For &gt;2,000 To 5,000, Deduct</i>	-18.66	
<i>For &gt;5,000, Deduct</i>	-29.18	
33 01 30 71-0095 LF 60" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane .....	302.90	
<i>For Up To 75, Add</i>	62.71	
<i>For &gt;75 To 150, Add</i>	30.29	
<i>For &gt;500 To 1,000, Deduct</i>	-6.91	
<i>For &gt;1,000 To 2,000, Deduct</i>	-13.61	
<i>For &gt;2,000 To 5,000, Deduct</i>	-20.73	
<i>For &gt;5,000, Deduct</i>	-32.42	

**33 Utilities****33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 71-0096 LF 66" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane .....	333.19	
For Up To 75, Add	68.99	
For >75 To 150, Add	33.32	
For >500 To 1,000, Deduct	-7.60	
For >1,000 To 2,000, Deduct	-14.97	
For >2,000 To 5,000, Deduct	-22.81	
For >5,000, Deduct	-35.67	
33 01 30 71-0097 LF 72" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane .....	363.48	
For Up To 75, Add	75.26	
For >75 To 150, Add	36.35	
For >500 To 1,000, Deduct	-8.29	
For >1,000 To 2,000, Deduct	-16.33	
For >2,000 To 5,000, Deduct	-24.88	
For >5,000, Deduct	-38.91	
33 01 30 71-0098 LF 78" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane .....	393.77	
For Up To 75, Add	81.53	
For >75 To 150, Add	39.38	
For >500 To 1,000, Deduct	-8.98	
For >1,000 To 2,000, Deduct	-17.69	
For >2,000 To 5,000, Deduct	-26.95	
For >5,000, Deduct	-42.15	
33 01 30 71-0099 LF 84" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane .....	424.06	
For Up To 75, Add	87.80	
For >75 To 150, Add	42.41	
For >500 To 1,000, Deduct	-9.68	
For >1,000 To 2,000, Deduct	-19.05	
For >2,000 To 5,000, Deduct	-29.03	
For >5,000, Deduct	-45.39	
33 01 30 71-0100 LF 90" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane .....	454.36	
For Up To 75, Add	94.07	
For >75 To 150, Add	45.44	
For >500 To 1,000, Deduct	-10.37	
For >1,000 To 2,000, Deduct	-20.41	
For >2,000 To 5,000, Deduct	-31.10	
For >5,000, Deduct	-48.64	
33 01 30 71-0101 LF 96" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane .....	484.64	
For Up To 75, Add	100.34	
For >75 To 150, Add	48.46	
For >500 To 1,000, Deduct	-11.06	
For >1,000 To 2,000, Deduct	-21.78	
For >2,000 To 5,000, Deduct	-33.17	
For >5,000, Deduct	-51.88	
33 01 30 71-0102 LF 102" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane .....	514.93	
For Up To 75, Add	106.61	
For >75 To 150, Add	51.49	
For >500 To 1,000, Deduct	-11.75	
For >1,000 To 2,000, Deduct	-23.14	
For >2,000 To 5,000, Deduct	-35.25	
For >5,000, Deduct	-55.12	
33 01 30 71-0103 LF 108" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane .....	545.22	
For Up To 75, Add	112.88	
For >75 To 150, Add	54.52	
For >500 To 1,000, Deduct	-12.44	
For >1,000 To 2,000, Deduct	-24.50	
For >2,000 To 5,000, Deduct	-37.32	
For >5,000, Deduct	-58.36	
33 01 30 71-0104 LF 114" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane .....	575.52	
For Up To 75, Add	119.16	
For >75 To 150, Add	57.55	
For >500 To 1,000, Deduct	-13.13	
For >1,000 To 2,000, Deduct	-25.86	
For >2,000 To 5,000, Deduct	-39.40	
For >5,000, Deduct	-61.61	
33 01 30 71-0105 LF 120" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane .....	605.79	
For Up To 75, Add	125.42	
For >75 To 150, Add	60.58	
For >500 To 1,000, Deduct	-13.82	
For >1,000 To 2,000, Deduct	-27.22	
For >2,000 To 5,000, Deduct	-41.47	
For >5,000, Deduct	-64.85	
33 01 30 71-0106 SF Structure Lining, Spray Applied With 400 mil Structural Polyurethane .....	19.28	
<b>33 01 30 71-0107 Lining Pipe, Spray Applied With 500 mil Structural Polyurethane (33 01 30 71-0002)</b>		
Note: Two part structural polyurethane.		
33 01 30 71-0108 LF 36" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane .....	223.61	
For Up To 75, Add	46.14	
For >75 To 150, Add	22.36	
For >500 To 1,000, Deduct	-5.04	
For >1,000 To 2,000, Deduct	-9.94	
For >2,000 To 5,000, Deduct	-15.12	
For >5,000, Deduct	-23.78	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 71-0109 LF 42" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane .....	260.89	
For Up To 75, Add	53.84	
For >75 To 150, Add	26.09	
For >500 To 1,000, Deduct	-5.88	
For >1,000 To 2,000, Deduct	-11.60	
For >2,000 To 5,000, Deduct	-17.64	
For >5,000, Deduct	-27.75	
33 01 30 71-0110 LF 48" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane .....	298.16	
For Up To 75, Add	61.53	
For >75 To 150, Add	29.82	
For >500 To 1,000, Deduct	-6.72	
For >1,000 To 2,000, Deduct	-13.25	
For >2,000 To 5,000, Deduct	-20.17	
For >5,000, Deduct	-31.71	
33 01 30 71-0111 LF 54" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane .....	335.43	
For Up To 75, Add	69.22	
For >75 To 150, Add	33.54	
For >500 To 1,000, Deduct	-7.56	
For >1,000 To 2,000, Deduct	-14.91	
For >2,000 To 5,000, Deduct	-22.69	
For >5,000, Deduct	-35.68	
33 01 30 71-0112 LF 60" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane .....	372.70	
For Up To 75, Add	76.91	
For >75 To 150, Add	37.27	
For >500 To 1,000, Deduct	-8.40	
For >1,000 To 2,000, Deduct	-16.57	
For >2,000 To 5,000, Deduct	-25.21	
For >5,000, Deduct	-39.64	
33 01 30 71-0113 LF 66" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane .....	409.97	
For Up To 75, Add	84.60	
For >75 To 150, Add	41.00	
For >500 To 1,000, Deduct	-9.24	
For >1,000 To 2,000, Deduct	-18.22	
For >2,000 To 5,000, Deduct	-27.73	
For >5,000, Deduct	-43.60	
33 01 30 71-0114 LF 72" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane .....	447.24	
For Up To 75, Add	92.29	
For >75 To 150, Add	44.72	
For >500 To 1,000, Deduct	-10.08	
For >1,000 To 2,000, Deduct	-19.88	
For >2,000 To 5,000, Deduct	-30.25	
For >5,000, Deduct	-47.57	
33 01 30 71-0115 LF 78" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane .....	484.51	
For Up To 75, Add	99.98	
For >75 To 150, Add	48.45	
For >500 To 1,000, Deduct	-10.92	
For >1,000 To 2,000, Deduct	-21.54	
For >2,000 To 5,000, Deduct	-32.77	
For >5,000, Deduct	-51.53	
33 01 30 71-0116 LF 84" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane .....	521.77	
For Up To 75, Add	107.67	
For >75 To 150, Add	52.18	
For >500 To 1,000, Deduct	-11.76	
For >1,000 To 2,000, Deduct	-23.19	
For >2,000 To 5,000, Deduct	-35.29	
For >5,000, Deduct	-55.50	
33 01 30 71-0117 LF 90" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane .....	559.04	
For Up To 75, Add	115.36	
For >75 To 150, Add	55.90	
For >500 To 1,000, Deduct	-12.60	
For >1,000 To 2,000, Deduct	-24.85	
For >2,000 To 5,000, Deduct	-37.81	
For >5,000, Deduct	-59.46	
33 01 30 71-0118 LF 96" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane .....	596.31	
For Up To 75, Add	123.05	
For >75 To 150, Add	59.63	
For >500 To 1,000, Deduct	-13.44	
For >1,000 To 2,000, Deduct	-26.51	
For >2,000 To 5,000, Deduct	-40.33	
For >5,000, Deduct	-63.42	
33 01 30 71-0119 LF 102" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane .....	633.58	
For Up To 75, Add	130.75	
For >75 To 150, Add	63.36	
For >500 To 1,000, Deduct	-14.28	
For >1,000 To 2,000, Deduct	-28.16	
For >2,000 To 5,000, Deduct	-42.85	
For >5,000, Deduct	-67.39	
33 01 30 71-0120 LF 108" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane .....	670.85	
For Up To 75, Add	138.44	
For >75 To 150, Add	67.09	
For >500 To 1,000, Deduct	-15.12	
For >1,000 To 2,000, Deduct	-29.82	
For >2,000 To 5,000, Deduct	-45.37	
For >5,000, Deduct	-71.35	

**33 Utilities****33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 71-0121 LF 114" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane .....	708.12	
For Up To 75, Add	146.13	
For >75 To 150, Add	70.81	
For >500 To 1,000, Deduct	-15.96	
For >1,000 To 2,000, Deduct	-31.48	
For >2,000 To 5,000, Deduct	-47.89	
For >5,000, Deduct	-75.32	
33 01 30 71-0122 LF 120" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane .....	745.40	
For Up To 75, Add	153.82	
For >75 To 150, Add	74.54	
For >500 To 1,000, Deduct	-16.80	
For >1,000 To 2,000, Deduct	-33.13	
For >2,000 To 5,000, Deduct	-50.41	
For >5,000, Deduct	-79.28	
33 01 30 71-0123 SF Structure Lining, Spray Applied With 500 mil Structural Polyurethane .....	23.73	
<b>33 01 30 72 Cured-in-Place Pipe Lining (33 01 30)</b>		
<b>33 01 30 72-0001 Cured-In-Place Pipe (CIPP) Relining Underground Pipelines (33 01 30 72)</b>		
Note: Excludes CCTV inspection and sewer cleaning. See CSI section 33 01 30 11-0000 for CCTV inspection, 33 01 30 41-0002 for sewer cleaning.		
<b>33 01 30 72-0002 Cured In-Place Pipe (CIPP) Lining Set-Up And Reinsertion (33 01 30 72-0001)</b>		
33 01 30 72-0003 EA Initial Set Up And Final Equipment Removal For Relining Up To 12" Underground Pipelines Cured In-Place Pipe (CIPP).....	1,551.99	
33 01 30 72-0004 EA Initial Set Up And Final Equipment Removal For Relining >12" To 24" Underground Pipelines Cured In-Place Pipe (CIPP).....	2,586.65	
33 01 30 72-0005 EA Initial Set Up And Final Equipment Removal For Relining >24" To 48" Underground Pipelines Cured In-Place Pipe (CIPP).....	3,879.98	
33 01 30 72-0006 EA Initial Set Up And Final Equipment Removal For Relining > 48" Underground Pipelines Cured In-Place Pipe (CIPP).....	5,173.30	
33 01 30 72-0007 EA Move And Reset Up At Different Access/Location For Relining Up To 12" Underground Pipelines Cured In-Place Pipe (CIPP).....	775.99	
33 01 30 72-0008 EA Move And Reset Up At Different Access/Location For Relining >12" To 24" Underground Pipelines Cured In-Place Pipe (CIPP).....	1,293.33	
33 01 30 72-0009 EA Move And Reset Up At Different Access/Location For Relining >24" To 48" Underground Pipelines Cured In-Place Pipe (CIPP).....	1,616.66	
33 01 30 72-0010 EA Move And Reset Up At Different Access/Location For Relining > 48" Underground Pipelines Cured In-Place Pipe (CIPP).....	2,069.32	
33 01 30 72-0011 EA Mixing Truck And Refrigeration For Relining Up To 12" Underground Pipelines Cured In-Place Pipe (CIPP) .....	1,293.33	
Note: Need to mix wet material in bag prior to installation.		
33 01 30 72-0012 EA Mixing Truck And Refrigeration For Relining >12" To 24" Underground Pipelines Cured In-Place Pipe (CIPP).....	3,103.98	
Note: Need to mix wet material in bag prior to installation.		
33 01 30 72-0013 EA Mixing Truck And Refrigeration For Relining >24" To 48" Underground Pipelines Cured In-Place Pipe (CIPP).....	5,173.30	
Note: Need to mix wet material in bag prior to installation.		
33 01 30 72-0014 EA Mixing Truck And Refrigeration For Relining >48" Underground Pipelines Cured In-Place Pipe (CIPP) .....	7,759.94	
Note: Need to mix wet material in bag prior to installation.		
<b>33 01 30 72-0015 Lining Pipe With Polyester Resin Impregnated Cured In-Place Pipe (CIPP)</b>		
(33 01 30 72-0001)		
Note: Cured in-place thermosetting resin pipe and resin impregnated tube. Excludes video camera inspection, culvert cleaning and grouting. Use round equivalent pipe sizes for elliptical, oval or arched pipe.		
<b>33 01 30 72-0016 4.5mm Thick Lining Cured In-Place Pipe (33 01 30 72-0015)</b>		
33 01 30 72-0017 LF 4.5mm Lining 2" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	22.69	
For Vinlyester Resin, Add	6.38	
For Epoxy Resin, Add	0.75	
For Up To >10, Add	45.30	
For >10 To 25, Add	36.23	
For >25 To 50, Add	22.19	
For >50 To 100, Add	11.10	
For >500 To 1,000, Deduct	-1.47	
For >1,000 To 2,000, Deduct	-2.38	
For >2,000 To 5,000, Deduct	-4.49	
For >5,000, Deduct	-7.25	
33 01 30 72-0018 LF 4.5mm Lining 3" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	27.68	
For Vinlyester Resin, Add	9.87	
For Epoxy Resin, Add	1.16	
For Up To >10, Add	47.79	
For >10 To 25, Add	37.48	
For >25 To 50, Add	23.19	
For >50 To 100, Add	11.60	
For >500 To 1,000, Deduct	-1.72	
For >1,000 To 2,000, Deduct	-2.76	
For >2,000 To 5,000, Deduct	-5.09	
For >5,000, Deduct	-8.25	



<b>Utilities</b>	<b>33</b>	<b>CS</b>	
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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0019 LF 4.5mm Lining 4" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	32.68	
For Vinlyester Resin, Add	13.37	
For Epoxy Resin, Add	1.58	
For Up To >10, Add	50.29	
For >10 To 25, Add	38.73	
For >25 To 50, Add	24.19	
For >50 To 100, Add	12.10	
For >500 To 1,000, Deduct	-1.97	
For >1,000 To 2,000, Deduct	-3.13	
For >2,000 To 5,000, Deduct	-5.69	
For >5,000, Deduct	-9.25	
33 01 30 72-0020 LF 4.5mm Lining 6" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	43.97	
For Vinlyester Resin, Add	20.36	
For Epoxy Resin, Add	2.40	
For Up To >10, Add	59.19	
For >10 To 25, Add	44.47	
For >25 To 50, Add	28.14	
For >50 To 100, Add	14.07	
For >500 To 1,000, Deduct	-2.57	
For >1,000 To 2,000, Deduct	-4.04	
For >2,000 To 5,000, Deduct	-7.21	
For >5,000, Deduct	-11.77	
33 01 30 72-0021 LF 4.5mm Lining 8" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	55.25	
For Vinlyester Resin, Add	27.36	
For Epoxy Resin, Add	3.22	
For Up To >10, Add	68.05	
For >10 To 25, Add	50.20	
For >25 To 50, Add	32.07	
For >50 To 100, Add	16.04	
For >500 To 1,000, Deduct	-3.17	
For >1,000 To 2,000, Deduct	-4.95	
For >2,000 To 5,000, Deduct	-8.73	
For >5,000, Deduct	-14.28	
<b>33 01 30 72-0022 6mm Thick Lining Cured In-Place Pipe (33 01 30 72-0015)</b>		
33 01 30 72-0023 LF 6mm Lining 3" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	31.99	
For Vinlyester Resin, Add	12.89	
For Epoxy Resin, Add	1.52	
For Up To >10, Add	49.95	
For >10 To 25, Add	38.55	
For >25 To 50, Add	24.05	
For >50 To 100, Add	12.03	
For >500 To 1,000, Deduct	-1.94	
For >1,000 To 2,000, Deduct	-3.08	
For >2,000 To 5,000, Deduct	-5.60	
For >5,000, Deduct	-9.11	
33 01 30 72-0024 LF 6mm Lining 4" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	38.65	
For Vinlyester Resin, Add	17.55	
For Epoxy Resin, Add	2.07	
For Up To >10, Add	53.28	
For >10 To 25, Add	40.22	
For >25 To 50, Add	25.38	
For >50 To 100, Add	12.69	
For >500 To 1,000, Deduct	-2.27	
For >1,000 To 2,000, Deduct	-3.58	
For >2,000 To 5,000, Deduct	-6.40	
For >5,000, Deduct	-10.45	
33 01 30 72-0025 LF 6mm Lining 6" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	53.27	
For Vinlyester Resin, Add	26.87	
For Epoxy Resin, Add	3.17	
For Up To >10, Add	63.84	
For >10 To 25, Add	46.80	
For >25 To 50, Add	30.00	
For >50 To 100, Add	15.00	
For >500 To 1,000, Deduct	-3.04	
For >1,000 To 2,000, Deduct	-4.74	
For >2,000 To 5,000, Deduct	-8.33	
For >5,000, Deduct	-13.63	
33 01 30 72-0026 LF 6mm Lining 8" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	67.89	
For Vinlyester Resin, Add	36.20	
For Epoxy Resin, Add	4.27	
For Up To >10, Add	74.37	
For >10 To 25, Add	53.36	
For >25 To 50, Add	34.60	
For >50 To 100, Add	17.30	
For >500 To 1,000, Deduct	-3.80	
For >1,000 To 2,000, Deduct	-5.90	
For >2,000 To 5,000, Deduct	-10.25	
For >5,000, Deduct	-16.81	

**33 Utilities**  
**33 01 Operation and Maintenance of Utilities**  
**33 01 30 Operation and Maintenance of Sewer Utilities**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0027	LF		6mm Lining 10" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	82.63	
			<i>For Vinlyester Resin, Add</i>	45.53	
			<i>For Epoxy Resin, Add</i>	5.37	
			<i>For Up To &gt;10, Add</i>	85.29	
			<i>For &gt;10 To 25, Add</i>	60.24	
			<i>For &gt;25 To 50, Add</i>	39.39	
			<i>For &gt;50 To 100, Add</i>	19.70	
			<i>For &gt;500 To 1,000, Deduct</i>	-4.57	
			<i>For &gt;1,000 To 2,000, Deduct</i>	-7.08	
			<i>For &gt;2,000 To 5,000, Deduct</i>	-12.20	
			<i>For &gt;5,000, Deduct</i>	-20.04	
33 01 30 72-0028	LF		6mm Lining 12" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	97.76	
			<i>For Vinlyester Resin, Add</i>	54.85	
			<i>For Epoxy Resin, Add</i>	6.46	
			<i>For Up To &gt;10, Add</i>	97.38	
			<i>For &gt;10 To 25, Add</i>	68.09	
			<i>For &gt;25 To 50, Add</i>	44.77	
			<i>For &gt;50 To 100, Add</i>	22.39	
			<i>For &gt;500 To 1,000, Deduct</i>	-5.37	
			<i>For &gt;1,000 To 2,000, Deduct</i>	-8.30	
			<i>For &gt;2,000 To 5,000, Deduct</i>	-14.25	
			<i>For &gt;5,000, Deduct</i>	-23.43	
<b>33 01 30 72-0029</b>			<b>7.5mm Thick Lining Cured In-Place Pipe <small>(33 01 30 72-0015)</small></b>		
33 01 30 72-0030	LF		7.5mm Lining 4" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	44.43	
			<i>For Vinlyester Resin, Add</i>	21.60	
			<i>For Epoxy Resin, Add</i>	2.55	
			<i>For Up To &gt;10, Add</i>	56.17	
			<i>For &gt;10 To 25, Add</i>	41.66	
			<i>For &gt;25 To 50, Add</i>	26.54	
			<i>For &gt;50 To 100, Add</i>	13.27	
			<i>For &gt;500 To 1,000, Deduct</i>	-2.56	
			<i>For &gt;1,000 To 2,000, Deduct</i>	-4.01	
			<i>For &gt;2,000 To 5,000, Deduct</i>	-7.10	
			<i>For &gt;5,000, Deduct</i>	-11.60	
33 01 30 72-0031	LF		7.5mm Lining 6" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	62.38	
			<i>For Vinlyester Resin, Add</i>	33.25	
			<i>For Epoxy Resin, Add</i>	3.92	
			<i>For Up To &gt;10, Add</i>	68.39	
			<i>For &gt;10 To 25, Add</i>	49.08	
			<i>For &gt;25 To 50, Add</i>	31.82	
			<i>For &gt;50 To 100, Add</i>	15.91	
			<i>For &gt;500 To 1,000, Deduct</i>	-3.49	
			<i>For &gt;1,000 To 2,000, Deduct</i>	-5.42	
			<i>For &gt;2,000 To 5,000, Deduct</i>	-9.42	
			<i>For &gt;5,000, Deduct</i>	-15.45	
33 01 30 72-0032	LF		7.5mm Lining 8" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	80.32	
			<i>For Vinlyester Resin, Add</i>	44.91	
			<i>For Epoxy Resin, Add</i>	5.29	
			<i>For Up To &gt;10, Add</i>	80.59	
			<i>For &gt;10 To 25, Add</i>	56.46	
			<i>For &gt;25 To 50, Add</i>	37.09	
			<i>For &gt;50 To 100, Add</i>	18.54	
			<i>For &gt;500 To 1,000, Deduct</i>	-4.42	
			<i>For &gt;1,000 To 2,000, Deduct</i>	-6.83	
			<i>For &gt;2,000 To 5,000, Deduct</i>	-11.74	
			<i>For &gt;5,000, Deduct</i>	-19.30	
33 01 30 72-0033	LF		7.5mm Lining 10" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	98.39	
			<i>For Vinlyester Resin, Add</i>	56.56	
			<i>For Epoxy Resin, Add</i>	6.67	
			<i>For Up To &gt;10, Add</i>	93.17	
			<i>For &gt;10 To 25, Add</i>	64.18	
			<i>For &gt;25 To 50, Add</i>	42.55	
			<i>For &gt;50 To 100, Add</i>	21.27	
			<i>For &gt;500 To 1,000, Deduct</i>	-5.36	
			<i>For &gt;1,000 To 2,000, Deduct</i>	-8.26	
			<i>For &gt;2,000 To 5,000, Deduct</i>	-14.09	
			<i>For &gt;5,000, Deduct</i>	-23.20	
33 01 30 72-0034	LF		7.5mm Lining 12" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	116.85	
			<i>For Vinlyester Resin, Add</i>	68.22	
			<i>For Epoxy Resin, Add</i>	8.04	
			<i>For Up To &gt;10, Add</i>	106.93	
			<i>For &gt;10 To 25, Add</i>	72.86	
			<i>For &gt;25 To 50, Add</i>	48.59	
			<i>For &gt;50 To 100, Add</i>	24.30	
			<i>For &gt;500 To 1,000, Deduct</i>	-6.33	
			<i>For &gt;1,000 To 2,000, Deduct</i>	-9.73	
			<i>For &gt;2,000 To 5,000, Deduct</i>	-16.54	
			<i>For &gt;5,000, Deduct</i>	-27.25	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0035 LF 7.5mm Lining 15" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	144.43	
For Vinlyester Resin, Add	85.71	
For Epoxy Resin, Add	10.10	
For Up To >10, Add	127.19	
For >10 To 25, Add	85.59	
For >25 To 50, Add	57.47	
For >50 To 100, Add	28.74	
For >500 To 1,000, Deduct	-7.77	
For >1,000 To 2,000, Deduct	-11.93	
For >2,000 To 5,000, Deduct	-20.19	
For >5,000, Deduct	-33.28	
33 01 30 72-0036 LF 7.5mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	172.24	
For Vinlyester Resin, Add	103.19	
For Epoxy Resin, Add	12.16	
For Up To >10, Add	148.20	
For >10 To 25, Add	98.93	
For >25 To 50, Add	66.73	
For >50 To 100, Add	33.36	
For >500 To 1,000, Deduct	-9.23	
For >1,000 To 2,000, Deduct	-14.16	
For >2,000 To 5,000, Deduct	-23.90	
For >5,000, Deduct	-39.41	
<b>33 01 30 72-0037 9mm Thick Lining Cured In-Place Pipe (33 01 30 72-0015)</b>		
33 01 30 72-0038 LF 9mm Lining 6" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	71.29	
For Vinlyester Resin, Add	39.49	
For Epoxy Resin, Add	4.65	
For Up To >10, Add	72.85	
For >10 To 25, Add	51.30	
For >25 To 50, Add	33.60	
For >50 To 100, Add	16.80	
For >500 To 1,000, Deduct	-3.94	
For >1,000 To 2,000, Deduct	-6.09	
For >2,000 To 5,000, Deduct	-10.49	
For >5,000, Deduct	-17.23	
33 01 30 72-0039 LF 9mm Lining 8" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	92.56	
For Vinlyester Resin, Add	53.47	
For Epoxy Resin, Add	6.30	
For Up To >10, Add	86.71	
For >10 To 25, Add	59.52	
For >25 To 50, Add	39.53	
For >50 To 100, Add	19.77	
For >500 To 1,000, Deduct	-5.03	
For >1,000 To 2,000, Deduct	-7.75	
For >2,000 To 5,000, Deduct	-13.21	
For >5,000, Deduct	-21.75	
33 01 30 72-0040 LF 9mm Lining 10" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	113.97	
For Vinlyester Resin, Add	67.47	
For Epoxy Resin, Add	7.95	
For Up To >10, Add	100.96	
For >10 To 25, Add	68.07	
For >25 To 50, Add	45.66	
For >50 To 100, Add	22.83	
For >500 To 1,000, Deduct	-6.14	
For >1,000 To 2,000, Deduct	-9.43	
For >2,000 To 5,000, Deduct	-15.96	
For >5,000, Deduct	-26.31	
33 01 30 72-0041 LF 9mm Lining 12" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	135.76	
For Vinlyester Resin, Add	81.45	
For Epoxy Resin, Add	9.60	
For Up To >10, Add	116.38	
For >10 To 25, Add	77.59	
For >25 To 50, Add	52.37	
For >50 To 100, Add	26.19	
For >500 To 1,000, Deduct	-7.27	
For >1,000 To 2,000, Deduct	-11.15	
For >2,000 To 5,000, Deduct	-18.81	
For >5,000, Deduct	-31.03	
33 01 30 72-0042 LF 9mm Lining 15" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	168.32	
For Vinlyester Resin, Add	102.43	
For Epoxy Resin, Add	12.07	
For Up To >10, Add	139.14	
For >10 To 25, Add	91.56	
For >25 To 50, Add	62.25	
For >50 To 100, Add	31.13	
For >500 To 1,000, Deduct	-8.97	
For >1,000 To 2,000, Deduct	-13.72	
For >2,000 To 5,000, Deduct	-23.06	
For >5,000, Deduct	-38.06	

**33 Utilities****33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0043 LF 9mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	201.14	
For Vinlyester Resin, Add	123.42	
For Epoxy Resin, Add	14.55	
For Up To >10, Add	162.65	
For >10 To 25, Add	106.15	
For >25 To 50, Add	72.51	
For >50 To 100, Add	36.25	
For >500 To 1,000, Deduct	-10.68	
For >1,000 To 2,000, Deduct	-16.33	
For >2,000 To 5,000, Deduct	-27.36	
For >5,000, Deduct	-45.19	
33 01 30 72-0044 LF 9mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	233.18	
For Vinlyester Resin, Add	144.40	
For Epoxy Resin, Add	17.02	
For Up To >10, Add	183.84	
For >10 To 25, Add	118.82	
For >25 To 50, Add	81.61	
For >50 To 100, Add	40.80	
For >500 To 1,000, Deduct	-12.33	
For >1,000 To 2,000, Deduct	-18.83	
For >2,000 To 5,000, Deduct	-31.48	
For >5,000, Deduct	-52.02	
33 01 30 72-0045 LF 9mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	265.62	
For Vinlyester Resin, Add	165.38	
For Epoxy Resin, Add	19.49	
For Up To >10, Add	206.21	
For >10 To 25, Add	132.47	
For >25 To 50, Add	91.29	
For >50 To 100, Add	45.65	
For >500 To 1,000, Deduct	-14.02	
For >1,000 To 2,000, Deduct	-21.39	
For >2,000 To 5,000, Deduct	-35.69	
For >5,000, Deduct	-59.00	
<b>33 01 30 72-0046 10.5mm Thick Lining Cured In-Place Pipe (33 01 30 72-0015)</b>		
33 01 30 72-0047 LF 10.5mm Lining 15" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	192.02	
For Vinlyester Resin, Add	119.02	
For Epoxy Resin, Add	14.03	
For Up To >10, Add	150.99	
For >10 To 25, Add	97.48	
For >25 To 50, Add	66.99	
For >50 To 100, Add	33.50	
For >500 To 1,000, Deduct	-10.15	
For >1,000 To 2,000, Deduct	-15.50	
For >2,000 To 5,000, Deduct	-25.90	
For >5,000, Deduct	-42.80	
33 01 30 72-0048 LF 10.5mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	229.83	
For Vinlyester Resin, Add	143.50	
For Epoxy Resin, Add	16.91	
For Up To >10, Add	176.99	
For >10 To 25, Add	113.33	
For >25 To 50, Add	78.25	
For >50 To 100, Add	39.12	
For >500 To 1,000, Deduct	-12.11	
For >1,000 To 2,000, Deduct	-18.48	
For >2,000 To 5,000, Deduct	-30.81	
For >5,000, Deduct	-50.93	
33 01 30 72-0049 LF 10.5mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	266.87	
For Vinlyester Resin, Add	167.98	
For Epoxy Resin, Add	19.80	
For Up To >10, Add	200.69	
For >10 To 25, Add	127.24	
For >25 To 50, Add	88.34	
For >50 To 100, Add	44.17	
For >500 To 1,000, Deduct	-14.02	
For >1,000 To 2,000, Deduct	-21.36	
For >2,000 To 5,000, Deduct	-35.52	
For >5,000, Deduct	-58.75	
33 01 30 72-0050 LF 10.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	304.30	
For Vinlyester Resin, Add	192.46	
For Epoxy Resin, Add	22.68	
For Up To >10, Add	225.55	
For >10 To 25, Add	142.14	
For >25 To 50, Add	99.03	
For >50 To 100, Add	49.51	
For >500 To 1,000, Deduct	-15.95	
For >1,000 To 2,000, Deduct	-24.29	
For >2,000 To 5,000, Deduct	-40.33	
For >5,000, Deduct	-66.73	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0051 LF 10.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	342.25	
For Vinlyester Resin, Add	216.94	
For Epoxy Resin, Add	25.57	
For Up To >10, Add	251.98	
For >10 To 25, Add	158.33	
For >25 To 50, Add	110.49	
For >50 To 100, Add	55.25	
For >500 To 1,000, Deduct	-17.92	
For >1,000 To 2,000, Deduct	-27.29	
For >2,000 To 5,000, Deduct	-45.27	
For >5,000, Deduct	-74.92	
33 01 30 72-0052 LF 10.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	380.85	
For Vinlyester Resin, Add	241.42	
For Epoxy Resin, Add	28.45	
For Up To >10, Add	280.33	
For >10 To 25, Add	176.12	
For >25 To 50, Add	122.92	
For >50 To 100, Add	61.46	
For >500 To 1,000, Deduct	-19.94	
For >1,000 To 2,000, Deduct	-30.36	
For >2,000 To 5,000, Deduct	-50.38	
For >5,000, Deduct	-83.36	
33 01 30 72-0053 LF 10.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	455.30	
For Vinlyester Resin, Add	290.37	
For Epoxy Resin, Add	34.22	
For Up To >10, Add	328.85	
For >10 To 25, Add	204.91	
For >25 To 50, Add	143.68	
For >50 To 100, Add	71.84	
For >500 To 1,000, Deduct	-23.78	
For >1,000 To 2,000, Deduct	-36.17	
For >2,000 To 5,000, Deduct	-59.90	
For >5,000, Deduct	-99.16	
<b>33 01 30 72-0054 12mm Thick Lining Cured In-Place Pipe <small>(33 01 30 72-0015)</small></b>		
33 01 30 72-0055 LF 12mm Lining 15" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	215.52	
For Vinlyester Resin, Add	135.47	
For Epoxy Resin, Add	15.97	
For Up To >10, Add	162.74	
For >10 To 25, Add	103.36	
For >25 To 50, Add	71.69	
For >50 To 100, Add	35.85	
For >500 To 1,000, Deduct	-11.33	
For >1,000 To 2,000, Deduct	-17.26	
For >2,000 To 5,000, Deduct	-28.72	
For >5,000, Deduct	-47.50	
33 01 30 72-0056 LF 12mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	258.33	
For Vinlyester Resin, Add	163.45	
For Epoxy Resin, Add	19.26	
For Up To >10, Add	191.24	
For >10 To 25, Add	120.45	
For >25 To 50, Add	83.95	
For >50 To 100, Add	41.97	
For >500 To 1,000, Deduct	-13.54	
For >1,000 To 2,000, Deduct	-20.62	
For >2,000 To 5,000, Deduct	-34.23	
For >5,000, Deduct	-56.63	
33 01 30 72-0057 LF 12mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	300.37	
For Vinlyester Resin, Add	191.43	
For Epoxy Resin, Add	22.56	
For Up To >10, Add	217.44	
For >10 To 25, Add	135.62	
For >25 To 50, Add	95.04	
For >50 To 100, Add	47.52	
For >500 To 1,000, Deduct	-15.69	
For >1,000 To 2,000, Deduct	-23.87	
For >2,000 To 5,000, Deduct	-39.54	
For >5,000, Deduct	-65.45	
33 01 30 72-0058 LF 12mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	342.79	
For Vinlyester Resin, Add	219.40	
For Epoxy Resin, Add	25.86	
For Up To >10, Add	244.80	
For >10 To 25, Add	151.76	
For >25 To 50, Add	106.73	
For >50 To 100, Add	53.36	
For >500 To 1,000, Deduct	-17.87	
For >1,000 To 2,000, Deduct	-27.18	
For >2,000 To 5,000, Deduct	-44.95	
For >5,000, Deduct	-74.43	

**33 Utilities****33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 01 30 72-0059	LF 12mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	385.74	
	For Vinlyester Resin, Add	247.38	
	For Epoxy Resin, Add	29.16	
	For Up To >10, Add	273.72	
	For >10 To 25, Add	169.20	
	For >25 To 50, Add	119.19	
	For >50 To 100, Add	59.60	
	For >500 To 1,000, Deduct	-20.10	
	For >1,000 To 2,000, Deduct	-30.55	
	For >2,000 To 5,000, Deduct	-50.49	
	For >5,000, Deduct	-83.62	
33 01 30 72-0060	LF 12mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	429.32	
	For Vinlyester Resin, Add	275.35	
	For Epoxy Resin, Add	32.45	
	For Up To >10, Add	304.56	
	For >10 To 25, Add	188.24	
	For >25 To 50, Add	132.61	
	For >50 To 100, Add	66.31	
	For >500 To 1,000, Deduct	-22.37	
	For >1,000 To 2,000, Deduct	-34.00	
	For >2,000 To 5,000, Deduct	-56.19	
	For >5,000, Deduct	-93.06	
33 01 30 72-0061	LF 12mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	513.78	
	For Vinlyester Resin, Add	331.31	
	For Epoxy Resin, Add	39.05	
	For Up To >10, Add	358.09	
	For >10 To 25, Add	219.53	
	For >25 To 50, Add	155.38	
	For >50 To 100, Add	77.69	
	For >500 To 1,000, Deduct	-26.70	
	For >1,000 To 2,000, Deduct	-40.56	
	For >2,000 To 5,000, Deduct	-66.92	
	For >5,000, Deduct	-110.85	
33 01 30 72-0062	LF 12mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	599.40	
	For Vinlyester Resin, Add	387.26	
	For Epoxy Resin, Add	45.64	
	For Up To >10, Add	415.13	
	For >10 To 25, Add	253.73	
	For >25 To 50, Add	179.90	
	For >50 To 100, Add	89.95	
	For >500 To 1,000, Deduct	-31.12	
	For >1,000 To 2,000, Deduct	-47.26	
	For >2,000 To 5,000, Deduct	-77.93	
	For >5,000, Deduct	-129.11	
33 01 30 72-0063	LF 12mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	687.09	
	For Vinlyester Resin, Add	443.21	
	For Epoxy Resin, Add	52.24	
	For Up To >10, Add	478.37	
	For >10 To 25, Add	293.12	
	For >25 To 50, Add	207.53	
	For >50 To 100, Add	103.76	
	For >500 To 1,000, Deduct	-35.70	
	For >1,000 To 2,000, Deduct	-54.23	
	For >2,000 To 5,000, Deduct	-89.46	
	For >5,000, Deduct	-148.20	

**33 01 30 72-0064 13.5mm Thick Lining Cured In-Place Pipe (33 01 30 72-0015)**

33 01 30 72-0065	LF 13.5mm Lining 15" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	238.83	
	For Vinlyester Resin, Add	151.79	
	For Epoxy Resin, Add	17.89	
	For Up To >10, Add	174.39	
	For >10 To 25, Add	109.19	
	For >25 To 50, Add	76.35	
	For >50 To 100, Add	38.18	
	For >500 To 1,000, Deduct	-12.49	
	For >1,000 To 2,000, Deduct	-19.01	
	For >2,000 To 5,000, Deduct	-31.52	
	For >5,000, Deduct	-52.16	
33 01 30 72-0066	LF 13.5mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	286.64	
	For Vinlyester Resin, Add	183.27	
	For Epoxy Resin, Add	21.60	
	For Up To >10, Add	205.40	
	For >10 To 25, Add	127.53	
	For >25 To 50, Add	89.61	
	For >50 To 100, Add	44.80	
	For >500 To 1,000, Deduct	-14.95	
	For >1,000 To 2,000, Deduct	-22.74	
	For >2,000 To 5,000, Deduct	-37.62	
	For >5,000, Deduct	-62.29	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0067 LF 13.5mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	333.67	
<i>For Vinlyester Resin, Add</i>	214.74	
<i>For Epoxy Resin, Add</i>	25.31	
<i>For Up To &gt;10, Add</i>	234.09	
<i>For &gt;10 To 25, Add</i>	143.94	
<i>For &gt;25 To 50, Add</i>	101.70	
<i>For &gt;50 To 100, Add</i>	50.85	
<i>For &gt;500 To 1,000, Deduct</i>	-17.36	
<i>For &gt;1,000 To 2,000, Deduct</i>	-26.37	
<i>For &gt;2,000 To 5,000, Deduct</i>	-43.54	
<i>For &gt;5,000, Deduct</i>	-72.11	
33 01 30 72-0068 LF 13.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	381.09	
<i>For Vinlyester Resin, Add</i>	246.21	
<i>For Epoxy Resin, Add</i>	29.02	
<i>For Up To &gt;10, Add</i>	263.95	
<i>For &gt;10 To 25, Add</i>	161.33	
<i>For &gt;25 To 50, Add</i>	114.39	
<i>For &gt;50 To 100, Add</i>	57.19	
<i>For &gt;500 To 1,000, Deduct</i>	-19.79	
<i>For &gt;1,000 To 2,000, Deduct</i>	-30.05	
<i>For &gt;2,000 To 5,000, Deduct</i>	-49.55	
<i>For &gt;5,000, Deduct</i>	-82.09	
33 01 30 72-0069 LF 13.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	429.03	
<i>For Vinlyester Resin, Add</i>	277.68	
<i>For Epoxy Resin, Add</i>	32.73	
<i>For Up To &gt;10, Add</i>	295.37	
<i>For &gt;10 To 25, Add</i>	180.02	
<i>For &gt;25 To 50, Add</i>	127.85	
<i>For &gt;50 To 100, Add</i>	63.92	
<i>For &gt;500 To 1,000, Deduct</i>	-22.26	
<i>For &gt;1,000 To 2,000, Deduct</i>	-33.79	
<i>For &gt;2,000 To 5,000, Deduct</i>	-55.69	
<i>For &gt;5,000, Deduct</i>	-92.27	
33 01 30 72-0070 LF 13.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	477.61	
<i>For Vinlyester Resin, Add</i>	309.16	
<i>For Epoxy Resin, Add</i>	36.44	
<i>For Up To &gt;10, Add</i>	328.71	
<i>For &gt;10 To 25, Add</i>	200.31	
<i>For &gt;25 To 50, Add</i>	142.27	
<i>For &gt;50 To 100, Add</i>	71.14	
<i>For &gt;500 To 1,000, Deduct</i>	-24.78	
<i>For &gt;1,000 To 2,000, Deduct</i>	-37.62	
<i>For &gt;2,000 To 5,000, Deduct</i>	-61.99	
<i>For &gt;5,000, Deduct</i>	-102.71	
33 01 30 72-0071 LF 13.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	572.05	
<i>For Vinlyester Resin, Add</i>	372.10	
<i>For Epoxy Resin, Add</i>	43.85	
<i>For Up To &gt;10, Add</i>	387.23	
<i>For &gt;10 To 25, Add</i>	234.09	
<i>For &gt;25 To 50, Add</i>	167.03	
<i>For &gt;50 To 100, Add</i>	83.52	
<i>For &gt;500 To 1,000, Deduct</i>	-29.61	
<i>For &gt;1,000 To 2,000, Deduct</i>	-44.93	
<i>For &gt;2,000 To 5,000, Deduct</i>	-73.91	
<i>For &gt;5,000, Deduct</i>	-122.51	
33 01 30 72-0072 LF 13.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	667.67	
<i>For Vinlyester Resin, Add</i>	435.05	
<i>For Epoxy Resin, Add</i>	51.27	
<i>For Up To &gt;10, Add</i>	449.26	
<i>For &gt;10 To 25, Add</i>	270.80	
<i>For &gt;25 To 50, Add</i>	193.56	
<i>For &gt;50 To 100, Add</i>	96.78	
<i>For &gt;500 To 1,000, Deduct</i>	-34.54	
<i>For &gt;1,000 To 2,000, Deduct</i>	-52.38	
<i>For &gt;2,000 To 5,000, Deduct</i>	-86.12	
<i>For &gt;5,000, Deduct</i>	-142.77	
33 01 30 72-0073 LF 13.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	765.35	
<i>For Vinlyester Resin, Add</i>	497.99	
<i>For Epoxy Resin, Add</i>	58.69	
<i>For Up To &gt;10, Add</i>	517.50	
<i>For &gt;10 To 25, Add</i>	312.68	
<i>For &gt;25 To 50, Add</i>	223.18	
<i>For &gt;50 To 100, Add</i>	111.59	
<i>For &gt;500 To 1,000, Deduct</i>	-39.62	
<i>For &gt;1,000 To 2,000, Deduct</i>	-60.10	
<i>For &gt;2,000 To 5,000, Deduct</i>	-98.85	
<i>For &gt;5,000, Deduct</i>	-163.86	

33 01 30 72-0074 15mm Thick Lining Cured In-Place Pipe (33 01 30 72-0015)

**33 Utilities**  
**33 01 Operation and Maintenance of Utilities**  
**33 01 30 Operation and Maintenance of Sewer Utilities**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30	72-0075	LF	15mm Lining 15" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	261.94	
			<i>For Vinlyester Resin, Add</i>	167.97	
			<i>For Epoxy Resin, Add</i>	19.80	
			<i>For Up To &gt;10, Add</i>	185.95	
			<i>For &gt;10 To 25, Add</i>	114.96	
			<i>For &gt;25 To 50, Add</i>	80.98	
			<i>For &gt;50 To 100, Add</i>	40.49	
			<i>For &gt;500 To 1,000, Deduct</i>	-13.65	
			<i>For &gt;1,000 To 2,000, Deduct</i>	-20.75	
			<i>For &gt;2,000 To 5,000, Deduct</i>	-34.29	
			<i>For &gt;5,000, Deduct</i>	-56.79	
33 01 30	72-0076	LF	15mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	314.74	
			<i>For Vinlyester Resin, Add</i>	202.94	
			<i>For Epoxy Resin, Add</i>	23.92	
			<i>For Up To &gt;10, Add</i>	219.45	
			<i>For &gt;10 To 25, Add</i>	134.55	
			<i>For &gt;25 To 50, Add</i>	95.23	
			<i>For &gt;50 To 100, Add</i>	47.61	
			<i>For &gt;500 To 1,000, Deduct</i>	-16.36	
			<i>For &gt;1,000 To 2,000, Deduct</i>	-24.85	
			<i>For &gt;2,000 To 5,000, Deduct</i>	-41.00	
			<i>For &gt;5,000, Deduct</i>	-67.91	
33 01 30	72-0077	LF	15mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	366.77	
			<i>For Vinlyester Resin, Add</i>	237.91	
			<i>For Epoxy Resin, Add</i>	28.04	
			<i>For Up To &gt;10, Add</i>	250.64	
			<i>For &gt;10 To 25, Add</i>	152.22	
			<i>For &gt;25 To 50, Add</i>	108.32	
			<i>For &gt;50 To 100, Add</i>	54.16	
			<i>For &gt;500 To 1,000, Deduct</i>	-19.01	
			<i>For &gt;1,000 To 2,000, Deduct</i>	-28.85	
			<i>For &gt;2,000 To 5,000, Deduct</i>	-47.51	
			<i>For &gt;5,000, Deduct</i>	-78.73	
33 01 30	72-0078	LF	15mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	419.18	
			<i>For Vinlyester Resin, Add</i>	272.87	
			<i>For Epoxy Resin, Add</i>	32.16	
			<i>For Up To &gt;10, Add</i>	282.99	
			<i>For &gt;10 To 25, Add</i>	170.86	
			<i>For &gt;25 To 50, Add</i>	122.00	
			<i>For &gt;50 To 100, Add</i>	61.00	
			<i>For &gt;500 To 1,000, Deduct</i>	-21.69	
			<i>For &gt;1,000 To 2,000, Deduct</i>	-32.91	
			<i>For &gt;2,000 To 5,000, Deduct</i>	-54.12	
			<i>For &gt;5,000, Deduct</i>	-89.71	
33 01 30	72-0079	LF	15mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	472.12	
			<i>For Vinlyester Resin, Add</i>	307.85	
			<i>For Epoxy Resin, Add</i>	36.28	
			<i>For Up To &gt;10, Add</i>	316.91	
			<i>For &gt;10 To 25, Add</i>	190.80	
			<i>For &gt;25 To 50, Add</i>	136.47	
			<i>For &gt;50 To 100, Add</i>	68.23	
			<i>For &gt;500 To 1,000, Deduct</i>	-24.41	
			<i>For &gt;1,000 To 2,000, Deduct</i>	-37.03	
			<i>For &gt;2,000 To 5,000, Deduct</i>	-60.86	
			<i>For &gt;5,000, Deduct</i>	-100.89	
33 01 30	72-0080	LF	15mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	525.70	
			<i>For Vinlyester Resin, Add</i>	342.82	
			<i>For Epoxy Resin, Add</i>	40.40	
			<i>For Up To &gt;10, Add</i>	352.75	
			<i>For &gt;10 To 25, Add</i>	212.34	
			<i>For &gt;25 To 50, Add</i>	151.89	
			<i>For &gt;50 To 100, Add</i>	75.94	
			<i>For &gt;500 To 1,000, Deduct</i>	-27.18	
			<i>For &gt;1,000 To 2,000, Deduct</i>	-41.23	
			<i>For &gt;2,000 To 5,000, Deduct</i>	-67.76	
			<i>For &gt;5,000, Deduct</i>	-112.33	
33 01 30	72-0081	LF	15mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	630.13	
			<i>For Vinlyester Resin, Add</i>	412.76	
			<i>For Epoxy Resin, Add</i>	48.65	
			<i>For Up To &gt;10, Add</i>	416.27	
			<i>For &gt;10 To 25, Add</i>	248.61	
			<i>For &gt;25 To 50, Add</i>	178.65	
			<i>For &gt;50 To 100, Add</i>	89.33	
			<i>For &gt;500 To 1,000, Deduct</i>	-32.52	
			<i>For &gt;1,000 To 2,000, Deduct</i>	-49.28	
			<i>For &gt;2,000 To 5,000, Deduct</i>	-80.88	
			<i>For &gt;5,000, Deduct</i>	-134.12	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0082 LF 15mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	735.74	
For Vinlyester Resin, Add	482.70	
For Epoxy Resin, Add	56.89	
For Up To >10, Add	483.30	
For >10 To 25, Add	287.82	
For >25 To 50, Add	207.17	
For >50 To 100, Add	103.58	
For >500 To 1,000, Deduct	-37.94	
For >1,000 To 2,000, Deduct	-57.49	
For >2,000 To 5,000, Deduct	-94.29	
For >5,000, Deduct	-156.38	
33 01 30 72-0083 LF 15mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	843.41	
For Vinlyester Resin, Add	552.64	
For Epoxy Resin, Add	65.13	
For Up To >10, Add	556.53	
For >10 To 25, Add	332.20	
For >25 To 50, Add	238.79	
For >50 To 100, Add	119.40	
For >500 To 1,000, Deduct	-43.52	
For >1,000 To 2,000, Deduct	-65.95	
For >2,000 To 5,000, Deduct	-108.22	
For >5,000, Deduct	-179.47	
<b>33 01 30 72-0084 16.5mm Thick Lining Cured In-Place Pipe (33 01 30 72-0015)</b>		
33 01 30 72-0085 LF 16.5mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	342.65	
For Vinlyester Resin, Add	222.47	
For Epoxy Resin, Add	26.22	
For Up To >10, Add	233.40	
For >10 To 25, Add	141.53	
For >25 To 50, Add	100.81	
For >50 To 100, Add	50.40	
For >500 To 1,000, Deduct	-17.75	
For >1,000 To 2,000, Deduct	-26.94	
For >2,000 To 5,000, Deduct	-44.35	
For >5,000, Deduct	-73.50	
33 01 30 72-0086 LF 16.5mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	399.67	
For Vinlyester Resin, Add	260.94	
For Epoxy Resin, Add	30.75	
For Up To >10, Add	267.09	
For >10 To 25, Add	160.44	
For >25 To 50, Add	114.90	
For >50 To 100, Add	57.45	
For >500 To 1,000, Deduct	-20.66	
For >1,000 To 2,000, Deduct	-31.32	
For >2,000 To 5,000, Deduct	-51.46	
For >5,000, Deduct	-85.31	
33 01 30 72-0087 LF 16.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	457.08	
For Vinlyester Resin, Add	299.40	
For Epoxy Resin, Add	35.29	
For Up To >10, Add	301.94	
For >10 To 25, Add	180.33	
For >25 To 50, Add	129.58	
For >50 To 100, Add	64.79	
For >500 To 1,000, Deduct	-23.59	
For >1,000 To 2,000, Deduct	-35.75	
For >2,000 To 5,000, Deduct	-58.67	
For >5,000, Deduct	-97.29	
33 01 30 72-0088 LF 16.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	515.02	
For Vinlyester Resin, Add	337.88	
For Epoxy Resin, Add	39.82	
For Up To >10, Add	338.36	
For >10 To 25, Add	201.52	
For >25 To 50, Add	145.05	
For >50 To 100, Add	72.52	
For >500 To 1,000, Deduct	-26.56	
For >1,000 To 2,000, Deduct	-40.24	
For >2,000 To 5,000, Deduct	-66.01	
For >5,000, Deduct	-109.47	
33 01 30 72-0089 LF 16.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	573.59	
For Vinlyester Resin, Add	376.34	
For Epoxy Resin, Add	44.35	
For Up To >10, Add	376.70	
For >10 To 25, Add	224.31	
For >25 To 50, Add	161.47	
For >50 To 100, Add	80.73	
For >500 To 1,000, Deduct	-29.58	
For >1,000 To 2,000, Deduct	-44.82	
For >2,000 To 5,000, Deduct	-73.51	
For >5,000, Deduct	-121.91	

**33 Utilities****33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

33 01 30 72-0090	LF 16.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	688.02	
	For Vinlyester Resin, Add	453.28	
	For Epoxy Resin, Add	53.42	
	For Up To >10, Add	445.21	
	For >10 To 25, Add	263.09	
	For >25 To 50, Add	190.23	
	For >50 To 100, Add	95.11	
	For >500 To 1,000, Deduct	-35.41	
	For >1,000 To 2,000, Deduct	-53.63	
	For >2,000 To 5,000, Deduct	-87.82	
	For >5,000, Deduct	-145.70	
33 01 30 72-0091	LF 16.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	803.61	
	For Vinlyester Resin, Add	530.21	
	For Epoxy Resin, Add	62.49	
	For Up To >10, Add	517.23	
	For >10 To 25, Add	304.79	
	For >25 To 50, Add	220.74	
	For >50 To 100, Add	110.37	
	For >500 To 1,000, Deduct	-41.33	
	For >1,000 To 2,000, Deduct	-62.58	
	For >2,000 To 5,000, Deduct	-102.44	
	For >5,000, Deduct	-169.96	
33 01 30 72-0092	LF 16.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	921.28	
	For Vinlyester Resin, Add	607.15	
	For Epoxy Resin, Add	71.56	
	For Up To >10, Add	595.47	
	For >10 To 25, Add	351.66	
	For >25 To 50, Add	254.37	
	For >50 To 100, Add	127.18	
	For >500 To 1,000, Deduct	-47.41	
	For >1,000 To 2,000, Deduct	-71.79	
	For >2,000 To 5,000, Deduct	-117.56	
	For >5,000, Deduct	-195.04	
33 01 30 72-0093	LF 16.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,038.04	
	For Vinlyester Resin, Add	684.08	
	For Epoxy Resin, Add	80.62	
	For Up To >10, Add	670.97	
	For >10 To 25, Add	396.27	
	For >25 To 50, Add	286.62	
	For >50 To 100, Add	143.31	
	For >500 To 1,000, Deduct	-53.42	
	For >1,000 To 2,000, Deduct	-80.89	
	For >2,000 To 5,000, Deduct	-132.47	
	For >5,000, Deduct	-219.76	

**33 01 30 72-0094 18mm Thick Lining Cured In-Place Pipe (33 01 30 72-0015)**

33 01 30 72-0095	LF 18mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	371.00	
	For Vinlyester Resin, Add	241.87	
	For Epoxy Resin, Add	28.51	
	For Up To >10, Add	249.18	
	For >10 To 25, Add	150.06	
	For >25 To 50, Add	107.31	
	For >50 To 100, Add	53.66	
	For >500 To 1,000, Deduct	-19.19	
	For >1,000 To 2,000, Deduct	-29.10	
	For >2,000 To 5,000, Deduct	-47.83	
	For >5,000, Deduct	-79.29	
33 01 30 72-0096	LF 18mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	433.16	
	For Vinlyester Resin, Add	283.84	
	For Epoxy Resin, Add	33.45	
	For Up To >10, Add	285.78	
	For >10 To 25, Add	170.57	
	For >25 To 50, Add	122.62	
	For >50 To 100, Add	61.31	
	For >500 To 1,000, Deduct	-22.35	
	For >1,000 To 2,000, Deduct	-33.87	
	For >2,000 To 5,000, Deduct	-55.58	
	For >5,000, Deduct	-92.17	
33 01 30 72-0097	LF 18mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	495.56	
	For Vinlyester Resin, Add	325.80	
	For Epoxy Resin, Add	38.40	
	For Up To >10, Add	323.11	
	For >10 To 25, Add	191.68	
	For >25 To 50, Add	138.28	
	For >50 To 100, Add	69.14	
	For >500 To 1,000, Deduct	-25.53	
	For >1,000 To 2,000, Deduct	-38.67	
	For >2,000 To 5,000, Deduct	-63.38	
	For >5,000, Deduct	-105.14	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0098 LF 18mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	558.62	
For Vinylster Resin, Add	367.77	
For Epoxy Resin, Add	43.34	
For Up To >10, Add	362.41	
For >10 To 25, Add	214.45	
For >25 To 50, Add	154.94	
For >50 To 100, Add	77.47	
For >500 To 1,000, Deduct	-28.76	
For >1,000 To 2,000, Deduct	-43.56	
For >2,000 To 5,000, Deduct	-71.36	
For >5,000, Deduct	-118.37	
33 01 30 72-0099 LF 18mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	622.18	
For Vinylster Resin, Add	409.72	
For Epoxy Resin, Add	48.29	
For Up To >10, Add	403.24	
For >10 To 25, Add	238.48	
For >25 To 50, Add	172.35	
For >50 To 100, Add	86.18	
For >500 To 1,000, Deduct	-32.03	
For >1,000 To 2,000, Deduct	-48.51	
For >2,000 To 5,000, Deduct	-79.45	
For >5,000, Deduct	-131.81	
33 01 30 72-0100 LF 18mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	747.65	
For Vinylster Resin, Add	493.65	
For Epoxy Resin, Add	58.18	
For Up To >10, Add	479.90	
For >10 To 25, Add	282.38	
For >25 To 50, Add	204.69	
For >50 To 100, Add	102.34	
For >500 To 1,000, Deduct	-38.44	
For >1,000 To 2,000, Deduct	-58.20	
For >2,000 To 5,000, Deduct	-95.23	
For >5,000, Deduct	-158.02	
33 01 30 72-0101 LF 18mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	873.63	
For Vinylster Resin, Add	577.59	
For Epoxy Resin, Add	68.07	
For Up To >10, Add	558.07	
For >10 To 25, Add	327.53	
For >25 To 50, Add	237.78	
For >50 To 100, Add	118.89	
For >500 To 1,000, Deduct	-44.89	
For >1,000 To 2,000, Deduct	-67.95	
For >2,000 To 5,000, Deduct	-111.14	
For >5,000, Deduct	-184.43	
33 01 30 72-0102 LF 18mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,001.67	
For Vinylster Resin, Add	661.51	
For Epoxy Resin, Add	77.96	
For Up To >10, Add	642.46	
For >10 To 25, Add	377.88	
For >25 To 50, Add	273.98	
For >50 To 100, Add	136.99	
For >500 To 1,000, Deduct	-51.50	
For >1,000 To 2,000, Deduct	-77.96	
For >2,000 To 5,000, Deduct	-127.56	
For >5,000, Deduct	-211.66	
33 01 30 72-0103 LF 18mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,128.81	
For Vinylster Resin, Add	745.44	
For Epoxy Resin, Add	87.86	
For Up To >10, Add	724.13	
For >10 To 25, Add	425.96	
For >25 To 50, Add	308.82	
For >50 To 100, Add	154.41	
For >500 To 1,000, Deduct	-58.04	
For >1,000 To 2,000, Deduct	-87.86	
For >2,000 To 5,000, Deduct	-143.76	
For >5,000, Deduct	-238.54	
33 01 30 72-0104 LF 18mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,255.81	
For Vinylster Resin, Add	829.37	
For Epoxy Resin, Add	97.75	
For Up To >10, Add	805.41	
For >10 To 25, Add	473.70	
For >25 To 50, Add	343.46	
For >50 To 100, Add	171.73	
For >500 To 1,000, Deduct	-64.57	
For >1,000 To 2,000, Deduct	-97.74	
For >2,000 To 5,000, Deduct	-159.93	
For >5,000, Deduct	-265.36	

**33 Utilities****33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 01 30 72-0105	LF 18mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,383.35	
	For Vinlyester Resin, Add	913.30	
	For Epoxy Resin, Add	107.64	
	For Up To >10, Add	888.28	
	For >10 To 25, Add	522.78	
	For >25 To 50, Add	378.90	
	For >50 To 100, Add	189.45	
	For >500 To 1,000, Deduct	-71.13	
	For >1,000 To 2,000, Deduct	-107.68	
	For >2,000 To 5,000, Deduct	-176.23	
	For >5,000, Deduct	-292.40	
33 01 30 72-0106	LF 18mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,510.49	
	For Vinlyester Resin, Add	997.23	
	For Epoxy Resin, Add	117.53	
	For Up To >10, Add	969.95	
	For >10 To 25, Add	570.85	
	For >25 To 50, Add	413.74	
	For >50 To 100, Add	206.87	
	For >500 To 1,000, Deduct	-77.67	
	For >1,000 To 2,000, Deduct	-117.58	
	For >2,000 To 5,000, Deduct	-192.42	
	For >5,000, Deduct	-319.27	

**33 01 30 72-0107 19.5mm Thick Lining Cured In-Place Pipe (33 01 30 72-0015)**

33 01 30 72-0108	LF 19.5mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	399.56	
	For Vinlyester Resin, Add	261.14	
	For Epoxy Resin, Add	30.78	
	For Up To >10, Add	266.06	
	For >10 To 25, Add	159.54	
	For >25 To 50, Add	114.38	
	For >50 To 100, Add	57.19	
	For >500 To 1,000, Deduct	-20.64	
	For >1,000 To 2,000, Deduct	-31.29	
	For >2,000 To 5,000, Deduct	-51.39	
	For >5,000, Deduct	-85.21	
33 01 30 72-0109	LF 19.5mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	466.70	
	For Vinlyester Resin, Add	306.59	
	For Epoxy Resin, Add	36.13	
	For Up To >10, Add	305.13	
	For >10 To 25, Add	181.27	
	For >25 To 50, Add	130.66	
	For >50 To 100, Add	65.33	
	For >500 To 1,000, Deduct	-24.05	
	For >1,000 To 2,000, Deduct	-36.44	
	For >2,000 To 5,000, Deduct	-59.74	
	For >5,000, Deduct	-99.08	
33 01 30 72-0110	LF 19.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	534.23	
	For Vinlyester Resin, Add	352.05	
	For Epoxy Resin, Add	41.49	
	For Up To >10, Add	345.37	
	For >10 To 25, Add	203.98	
	For >25 To 50, Add	147.54	
	For >50 To 100, Add	73.77	
	For >500 To 1,000, Deduct	-27.49	
	For >1,000 To 2,000, Deduct	-41.63	
	For >2,000 To 5,000, Deduct	-68.18	
	For >5,000, Deduct	-113.11	
33 01 30 72-0111	LF 19.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	602.03	
	For Vinlyester Resin, Add	397.52	
	For Epoxy Resin, Add	46.85	
	For Up To >10, Add	386.39	
	For >10 To 25, Add	227.35	
	For >25 To 50, Add	164.80	
	For >50 To 100, Add	82.40	
	For >500 To 1,000, Deduct	-30.96	
	For >1,000 To 2,000, Deduct	-46.86	
	For >2,000 To 5,000, Deduct	-76.68	
	For >5,000, Deduct	-127.24	
33 01 30 72-0112	LF 19.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	670.85	
	For Vinlyester Resin, Add	442.98	
	For Epoxy Resin, Add	52.21	
	For Up To >10, Add	430.48	
	For >10 To 25, Add	253.26	
	For >25 To 50, Add	183.60	
	For >50 To 100, Add	91.80	
	For >500 To 1,000, Deduct	-34.49	
	For >1,000 To 2,000, Deduct	-52.21	
	For >2,000 To 5,000, Deduct	-85.44	
	For >5,000, Deduct	-141.77	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0113 LF 19.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	807.45	
For Vinlyester Resin, Add	533.90	
For Epoxy Resin, Add	62.92	
For Up To >10, Add	515.58	
For >10 To 25, Add	302.53	
For >25 To 50, Add	219.65	
For >50 To 100, Add	109.83	
For >500 To 1,000, Deduct	-41.49	
For >1,000 To 2,000, Deduct	-62.80	
For >2,000 To 5,000, Deduct	-102.71	
For >5,000, Deduct	-170.44	
33 01 30 72-0114 LF 19.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	944.46	
For Vinlyester Resin, Add	624.82	
For Epoxy Resin, Add	73.64	
For Up To >10, Add	601.88	
For >10 To 25, Add	352.80	
For >25 To 50, Add	256.31	
For >50 To 100, Add	128.16	
For >500 To 1,000, Deduct	-48.52	
For >1,000 To 2,000, Deduct	-73.43	
For >2,000 To 5,000, Deduct	-120.08	
For >5,000, Deduct	-199.26	
33 01 30 72-0115 LF 19.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,082.37	
For Vinlyester Resin, Add	715.74	
For Epoxy Resin, Add	84.36	
For Up To >10, Add	690.89	
For >10 To 25, Add	405.32	
For >25 To 50, Add	294.32	
For >50 To 100, Add	147.16	
For >500 To 1,000, Deduct	-55.62	
For >1,000 To 2,000, Deduct	-84.17	
For >2,000 To 5,000, Deduct	-137.67	
For >5,000, Deduct	-228.45	
33 01 30 72-0116 LF 19.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,219.89	
For Vinlyester Resin, Add	806.67	
For Epoxy Resin, Add	95.07	
For Up To >10, Add	778.72	
For >10 To 25, Add	456.87	
For >25 To 50, Add	331.74	
For >50 To 100, Add	165.87	
For >500 To 1,000, Deduct	-62.68	
For >1,000 To 2,000, Deduct	-94.87	
For >2,000 To 5,000, Deduct	-155.16	
For >5,000, Deduct	-257.48	
33 01 30 72-0117 LF 19.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,357.41	
For Vinlyester Resin, Add	897.59	
For Epoxy Resin, Add	105.79	
For Up To >10, Add	866.56	
For >10 To 25, Add	508.42	
For >25 To 50, Add	369.16	
For >50 To 100, Add	184.58	
For >500 To 1,000, Deduct	-69.75	
For >1,000 To 2,000, Deduct	-105.56	
For >2,000 To 5,000, Deduct	-172.66	
For >5,000, Deduct	-286.51	
33 01 30 72-0118 LF 19.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,496.48	
For Vinlyester Resin, Add	988.51	
For Epoxy Resin, Add	116.50	
For Up To >10, Add	959.04	
For >10 To 25, Add	563.84	
For >25 To 50, Add	408.91	
For >50 To 100, Add	204.46	
For >500 To 1,000, Deduct	-76.93	
For >1,000 To 2,000, Deduct	-116.45	
For >2,000 To 5,000, Deduct	-190.54	
For >5,000, Deduct	-316.16	
33 01 30 72-0119 LF 19.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,634.12	
For Vinlyester Resin, Add	1,079.43	
For Epoxy Resin, Add	127.22	
For Up To >10, Add	1,047.26	
For >10 To 25, Add	615.71	
For >25 To 50, Add	446.53	
For >50 To 100, Add	223.26	
For >500 To 1,000, Deduct	-84.01	
For >1,000 To 2,000, Deduct	-127.16	
For >2,000 To 5,000, Deduct	-208.06	
For >5,000, Deduct	-345.24	

33 01 30 72-0120 21mm Thick Lining Cured In-Place Pipe (33 01 30 72-0015)

**33 Utilities****33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0121 LF 21mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	427.78	
For Vinlyester Resin, Add	280.25	
For Epoxy Resin, Add	33.03	
For Up To >10, Add	282.44	
For >10 To 25, Add	168.64	
For >25 To 50, Add	121.20	
For >50 To 100, Add	60.60	
For >500 To 1,000, Deduct	-22.07	
For >1,000 To 2,000, Deduct	-33.45	
For >2,000 To 5,000, Deduct	-54.90	
For >5,000, Deduct	-91.04	
33 01 30 72-0122 LF 21mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	500.05	
For Vinlyester Resin, Add	329.22	
For Epoxy Resin, Add	38.80	
For Up To >10, Add	324.38	
For >10 To 25, Add	191.93	
For >25 To 50, Add	138.67	
For >50 To 100, Add	69.34	
For >500 To 1,000, Deduct	-25.75	
For >1,000 To 2,000, Deduct	-38.99	
For >2,000 To 5,000, Deduct	-63.87	
For >5,000, Deduct	-105.96	
33 01 30 72-0123 LF 21mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	572.71	
For Vinlyester Resin, Add	378.18	
For Epoxy Resin, Add	44.57	
For Up To >10, Add	367.51	
For >10 To 25, Add	216.21	
For >25 To 50, Add	156.74	
For >50 To 100, Add	78.37	
For >500 To 1,000, Deduct	-29.45	
For >1,000 To 2,000, Deduct	-44.58	
For >2,000 To 5,000, Deduct	-72.95	
For >5,000, Deduct	-121.03	
33 01 30 72-0124 LF 21mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	645.24	
For Vinlyester Resin, Add	427.13	
For Epoxy Resin, Add	50.34	
For Up To >10, Add	410.25	
For >10 To 25, Add	240.17	
For >25 To 50, Add	174.61	
For >50 To 100, Add	87.31	
For >500 To 1,000, Deduct	-33.14	
For >1,000 To 2,000, Deduct	-50.15	
For >2,000 To 5,000, Deduct	-81.99	
For >5,000, Deduct	-136.06	
33 01 30 72-0125 LF 21mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	719.19	
For Vinlyester Resin, Add	476.09	
For Epoxy Resin, Add	56.11	
For Up To >10, Add	457.25	
For >10 To 25, Add	267.68	
For >25 To 50, Add	194.62	
For >50 To 100, Add	97.31	
For >500 To 1,000, Deduct	-36.94	
For >1,000 To 2,000, Deduct	-55.89	
For >2,000 To 5,000, Deduct	-91.38	
For >5,000, Deduct	-151.65	
33 01 30 72-0126 LF 21mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	867.08	
For Vinlyester Resin, Add	574.01	
For Epoxy Resin, Add	67.65	
For Up To >10, Add	551.22	
For >10 To 25, Add	322.68	
For >25 To 50, Add	234.61	
For >50 To 100, Add	117.30	
For >500 To 1,000, Deduct	-44.53	
For >1,000 To 2,000, Deduct	-67.38	
For >2,000 To 5,000, Deduct	-110.17	
For >5,000, Deduct	-182.83	
33 01 30 72-0127 LF 21mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,014.99	
For Vinlyester Resin, Add	671.92	
For Epoxy Resin, Add	79.19	
For Up To >10, Add	645.25	
For >10 To 25, Add	377.72	
For >25 To 50, Add	274.63	
For >50 To 100, Add	137.31	
For >500 To 1,000, Deduct	-52.13	
For >1,000 To 2,000, Deduct	-78.88	
For >2,000 To 5,000, Deduct	-128.96	
For >5,000, Deduct	-214.02	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0128 LF 21mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,162.88	
For Vinlyester Resin, Add	769.84	
For Epoxy Resin, Add	90.73	
For Up To >10, Add	739.22	
For >10 To 25, Add	432.72	
For >25 To 50, Add	314.62	
For >50 To 100, Add	157.31	
For >500 To 1,000, Deduct	-59.72	
For >1,000 To 2,000, Deduct	-90.37	
For >2,000 To 5,000, Deduct	-147.75	
For >5,000, Deduct	-245.20	
33 01 30 72-0129 LF 21mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,310.78	
For Vinlyester Resin, Add	867.76	
For Epoxy Resin, Add	102.27	
For Up To >10, Add	833.22	
For >10 To 25, Add	487.74	
For >25 To 50, Add	354.63	
For >50 To 100, Add	177.31	
For >500 To 1,000, Deduct	-67.32	
For >1,000 To 2,000, Deduct	-101.87	
For >2,000 To 5,000, Deduct	-166.54	
For >5,000, Deduct	-276.38	
33 01 30 72-0130 LF 21mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,458.68	
For Vinlyester Resin, Add	965.67	
For Epoxy Resin, Add	113.81	
For Up To >10, Add	927.22	
For >10 To 25, Add	542.76	
For >25 To 50, Add	394.63	
For >50 To 100, Add	197.32	
For >500 To 1,000, Deduct	-74.91	
For >1,000 To 2,000, Deduct	-113.36	
For >2,000 To 5,000, Deduct	-185.33	
For >5,000, Deduct	-307.57	
33 01 30 72-0131 LF 21mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,609.43	
For Vinlyester Resin, Add	1,063.59	
For Epoxy Resin, Add	125.35	
For Up To >10, Add	1,029.77	
For >10 To 25, Add	604.90	
For >25 To 50, Add	438.91	
For >50 To 100, Add	219.46	
For >500 To 1,000, Deduct	-82.72	
For >1,000 To 2,000, Deduct	-125.21	
For >2,000 To 5,000, Deduct	-204.83	
For >5,000, Deduct	-339.89	
33 01 30 72-0132 LF 21mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,757.59	
For Vinlyester Resin, Add	1,161.50	
For Epoxy Resin, Add	136.89	
For Up To >10, Add	1,124.55	
For >10 To 25, Add	660.57	
For >25 To 50, Add	479.31	
For >50 To 100, Add	239.65	
For >500 To 1,000, Deduct	-90.34	
For >1,000 To 2,000, Deduct	-136.73	
For >2,000 To 5,000, Deduct	-223.69	
For >5,000, Deduct	-371.18	
<b>33 01 30 72-0133 22.5mm Thick Lining Cured In-Place Pipe (33 01 30 72-0015)</b>		
33 01 30 72-0134 LF 22.5mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	455.69	
For Vinlyester Resin, Add	299.24	
For Epoxy Resin, Add	35.27	
For Up To >10, Add	298.35	
For >10 To 25, Add	177.37	
For >25 To 50, Add	127.80	
For >50 To 100, Add	63.90	
For >500 To 1,000, Deduct	-23.49	
For >1,000 To 2,000, Deduct	-35.59	
For >2,000 To 5,000, Deduct	-58.35	
For >5,000, Deduct	-96.78	
33 01 30 72-0135 LF 22.5mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	532.94	
For Vinlyester Resin, Add	351.69	
For Epoxy Resin, Add	41.45	
For Up To >10, Add	342.77	
For >10 To 25, Add	201.91	
For >25 To 50, Add	146.26	
For >50 To 100, Add	73.13	
For >500 To 1,000, Deduct	-27.41	
For >1,000 To 2,000, Deduct	-41.50	
For >2,000 To 5,000, Deduct	-67.92	
For >5,000, Deduct	-112.69	

**33 Utilities**  
**33 01 Operation and Maintenance of Utilities**  
**33 01 30 Operation and Maintenance of Sewer Utilities**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30	72-0136	LF	22.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	610.99	
			<i>For Vinlyester Resin, Add</i>	404.15	
			<i>For Epoxy Resin, Add</i>	47.63	
			<i>For Up To &gt;10, Add</i>	389.57	
			<i>For &gt;10 To 25, Add</i>	228.42	
			<i>For &gt;25 To 50, Add</i>	165.92	
			<i>For &gt;50 To 100, Add</i>	82.96	
			<i>For &gt;500 To 1,000, Deduct</i>	-31.39	
			<i>For &gt;1,000 To 2,000, Deduct</i>	-47.51	
			<i>For &gt;2,000 To 5,000, Deduct</i>	-77.69	
			<i>For &gt;5,000, Deduct</i>	-128.92	
33 01 30	72-0137	LF	22.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	689.42	
			<i>For Vinlyester Resin, Add</i>	456.61	
			<i>For Epoxy Resin, Add</i>	53.81	
			<i>For Up To &gt;10, Add</i>	437.51	
			<i>For &gt;10 To 25, Add</i>	255.88	
			<i>For &gt;25 To 50, Add</i>	186.14	
			<i>For &gt;50 To 100, Add</i>	93.07	
			<i>For &gt;500 To 1,000, Deduct</i>	-35.40	
			<i>For &gt;1,000 To 2,000, Deduct</i>	-53.56	
			<i>For &gt;2,000 To 5,000, Deduct</i>	-87.56	
			<i>For &gt;5,000, Deduct</i>	-145.31	
33 01 30	72-0138	LF	22.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	768.62	
			<i>For Vinlyester Resin, Add</i>	509.06	
			<i>For Epoxy Resin, Add</i>	60.00	
			<i>For Up To &gt;10, Add</i>	487.79	
			<i>For &gt;10 To 25, Add</i>	285.28	
			<i>For &gt;25 To 50, Add</i>	207.53	
			<i>For &gt;50 To 100, Add</i>	103.77	
			<i>For &gt;500 To 1,000, Deduct</i>	-39.47	
			<i>For &gt;1,000 To 2,000, Deduct</i>	-59.72	
			<i>For &gt;2,000 To 5,000, Deduct</i>	-97.62	
			<i>For &gt;5,000, Deduct</i>	-162.00	
33 01 30	72-0139	LF	22.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	927.02	
			<i>For Vinlyester Resin, Add</i>	613.97	
			<i>For Epoxy Resin, Add</i>	72.36	
			<i>For Up To &gt;10, Add</i>	588.31	
			<i>For &gt;10 To 25, Add</i>	344.08	
			<i>For &gt;25 To 50, Add</i>	250.30	
			<i>For &gt;50 To 100, Add</i>	125.15	
			<i>For &gt;500 To 1,000, Deduct</i>	-47.60	
			<i>For &gt;1,000 To 2,000, Deduct</i>	-72.02	
			<i>For &gt;2,000 To 5,000, Deduct</i>	-117.73	
			<i>For &gt;5,000, Deduct</i>	-195.39	
33 01 30	72-0140	LF	22.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,085.43	
			<i>For Vinlyester Resin, Add</i>	718.88	
			<i>For Epoxy Resin, Add</i>	84.73	
			<i>For Up To &gt;10, Add</i>	688.87	
			<i>For &gt;10 To 25, Add</i>	402.89	
			<i>For &gt;25 To 50, Add</i>	293.08	
			<i>For &gt;50 To 100, Add</i>	146.54	
			<i>For &gt;500 To 1,000, Deduct</i>	-55.73	
			<i>For &gt;1,000 To 2,000, Deduct</i>	-84.33	
			<i>For &gt;2,000 To 5,000, Deduct</i>	-137.85	
			<i>For &gt;5,000, Deduct</i>	-228.78	
33 01 30	72-0141	LF	22.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,243.84	
			<i>For Vinlyester Resin, Add</i>	823.80	
			<i>For Epoxy Resin, Add</i>	97.09	
			<i>For Up To &gt;10, Add</i>	789.40	
			<i>For &gt;10 To 25, Add</i>	461.69	
			<i>For &gt;25 To 50, Add</i>	335.86	
			<i>For &gt;50 To 100, Add</i>	167.93	
			<i>For &gt;500 To 1,000, Deduct</i>	-63.87	
			<i>For &gt;1,000 To 2,000, Deduct</i>	-96.64	
			<i>For &gt;2,000 To 5,000, Deduct</i>	-157.97	
			<i>For &gt;5,000, Deduct</i>	-262.17	
33 01 30	72-0142	LF	22.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,402.25	
			<i>For Vinlyester Resin, Add</i>	928.70	
			<i>For Epoxy Resin, Add</i>	109.45	
			<i>For Up To &gt;10, Add</i>	889.95	
			<i>For &gt;10 To 25, Add</i>	520.51	
			<i>For &gt;25 To 50, Add</i>	378.64	
			<i>For &gt;50 To 100, Add</i>	189.32	
			<i>For &gt;500 To 1,000, Deduct</i>	-72.00	
			<i>For &gt;1,000 To 2,000, Deduct</i>	-108.95	
			<i>For &gt;2,000 To 5,000, Deduct</i>	-178.09	
			<i>For &gt;5,000, Deduct</i>	-295.56	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0143 LF 22.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,560.66	
For Vinlyester Resin, Add	1,033.61	
For Epoxy Resin, Add	121.82	
For Up To >10, Add	990.51	
For >10 To 25, Add	579.32	
For >25 To 50, Add	421.42	
For >50 To 100, Add	210.71	
For >500 To 1,000, Deduct	-80.13	
For >1,000 To 2,000, Deduct	-121.25	
For >2,000 To 5,000, Deduct	-198.21	
For >5,000, Deduct	-328.95	
33 01 30 72-0144 LF 22.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,722.04	
For Vinlyester Resin, Add	1,138.52	
For Epoxy Resin, Add	134.18	
For Up To >10, Add	1,099.97	
For >10 To 25, Add	645.57	
For >25 To 50, Add	468.66	
For >50 To 100, Add	234.33	
For >500 To 1,000, Deduct	-88.49	
For >1,000 To 2,000, Deduct	-133.93	
For >2,000 To 5,000, Deduct	-219.07	
For >5,000, Deduct	-363.52	
33 01 30 72-0145 LF 22.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,880.71	
For Vinlyester Resin, Add	1,243.44	
For Epoxy Resin, Add	146.55	
For Up To >10, Add	1,201.28	
For >10 To 25, Add	705.01	
For >25 To 50, Add	511.82	
For >50 To 100, Add	255.91	
For >500 To 1,000, Deduct	-96.64	
For >1,000 To 2,000, Deduct	-146.27	
For >2,000 To 5,000, Deduct	-239.25	
For >5,000, Deduct	-397.02	
<b>33 01 30 72-0146 24mm Thick Lining Cured In-Place Pipe</b> <small>(33 01 30 72-0015)</small>		
33 01 30 72-0147 LF 24mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	483.25	
For Vinlyester Resin, Add	318.09	
For Epoxy Resin, Add	37.49	
For Up To >10, Add	313.73	
For >10 To 25, Add	185.70	
For >25 To 50, Add	134.14	
For >50 To 100, Add	67.07	
For >500 To 1,000, Deduct	-24.88	
For >1,000 To 2,000, Deduct	-37.69	
For >2,000 To 5,000, Deduct	-61.74	
For >5,000, Deduct	-102.42	
33 01 30 72-0148 LF 24mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	565.52	
For Vinlyester Resin, Add	374.05	
For Epoxy Resin, Add	44.08	
For Up To >10, Add	360.69	
For >10 To 25, Add	211.51	
For >25 To 50, Add	153.63	
For >50 To 100, Add	76.81	
For >500 To 1,000, Deduct	-29.06	
For >1,000 To 2,000, Deduct	-43.97	
For >2,000 To 5,000, Deduct	-71.91	
For >5,000, Deduct	-119.34	
33 01 30 72-0149 LF 24mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	648.94	
For Vinlyester Resin, Add	430.00	
For Epoxy Resin, Add	50.68	
For Up To >10, Add	411.12	
For >10 To 25, Add	240.22	
For >25 To 50, Add	174.85	
For >50 To 100, Add	87.42	
For >500 To 1,000, Deduct	-33.31	
For >1,000 To 2,000, Deduct	-50.40	
For >2,000 To 5,000, Deduct	-82.38	
For >5,000, Deduct	-136.72	
33 01 30 72-0150 LF 24mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	733.40	
For Vinlyester Resin, Add	485.95	
For Epoxy Resin, Add	57.27	
For Up To >10, Add	464.68	
For >10 To 25, Add	271.53	
For >25 To 50, Add	197.63	
For >50 To 100, Add	98.81	
For >500 To 1,000, Deduct	-37.65	
For >1,000 To 2,000, Deduct	-56.96	
For >2,000 To 5,000, Deduct	-93.10	
For >5,000, Deduct	-154.52	

**33 Utilities****33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0151 LF 24mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	817.86	
For Vinlyester Resin, Add	541.90	
For Epoxy Resin, Add	63.87	
For Up To >10, Add	518.23	
For >10 To 25, Add	302.84	
For >25 To 50, Add	220.41	
For >50 To 100, Add	110.20	
For >500 To 1,000, Deduct	-41.99	
For >1,000 To 2,000, Deduct	-63.53	
For >2,000 To 5,000, Deduct	-103.83	
For >5,000, Deduct	-172.32	
33 01 30 72-0152 LF 24mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	986.78	
For Vinlyester Resin, Add	653.81	
For Epoxy Resin, Add	77.06	
For Up To >10, Add	625.32	
For >10 To 25, Add	365.43	
For >25 To 50, Add	265.96	
For >50 To 100, Add	132.98	
For >500 To 1,000, Deduct	-50.66	
For >1,000 To 2,000, Deduct	-76.65	
For >2,000 To 5,000, Deduct	-125.27	
For >5,000, Deduct	-207.91	
33 01 30 72-0153 LF 24mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,200.62	
For Vinlyester Resin, Add	797.24	
For Epoxy Resin, Add	93.96	
For Up To >10, Add	754.56	
For >10 To 25, Add	438.98	
For >25 To 50, Add	320.33	
For >50 To 100, Add	160.17	
For >500 To 1,000, Deduct	-61.57	
For >1,000 To 2,000, Deduct	-93.13	
For >2,000 To 5,000, Deduct	-152.10	
For >5,000, Deduct	-252.46	
33 01 30 72-0154 LF 24mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,324.48	
For Vinlyester Resin, Add	877.61	
For Epoxy Resin, Add	103.43	
For Up To >10, Add	839.12	
For >10 To 25, Add	490.31	
For >25 To 50, Add	356.87	
For >50 To 100, Add	178.44	
For >500 To 1,000, Deduct	-67.99	
For >1,000 To 2,000, Deduct	-102.87	
For >2,000 To 5,000, Deduct	-168.14	
For >5,000, Deduct	-279.05	
33 01 30 72-0155 LF 24mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,493.40	
For Vinlyester Resin, Add	989.52	
For Epoxy Resin, Add	116.62	
For Up To >10, Add	946.20	
For >10 To 25, Add	552.90	
For >25 To 50, Add	402.42	
For >50 To 100, Add	201.21	
For >500 To 1,000, Deduct	-76.67	
For >1,000 To 2,000, Deduct	-116.00	
For >2,000 To 5,000, Deduct	-189.58	
For >5,000, Deduct	-314.64	
33 01 30 72-0156 LF 24mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,662.31	
For Vinlyester Resin, Add	1,101.42	
For Epoxy Resin, Add	129.81	
For Up To >10, Add	1,053.28	
For >10 To 25, Add	615.49	
For >25 To 50, Add	447.97	
For >50 To 100, Add	223.98	
For >500 To 1,000, Deduct	-85.34	
For >1,000 To 2,000, Deduct	-129.12	
For >2,000 To 5,000, Deduct	-211.03	
For >5,000, Deduct	-350.23	
33 01 30 72-0157 LF 24mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,834.33	
For Vinlyester Resin, Add	1,213.32	
For Epoxy Resin, Add	143.00	
For Up To >10, Add	1,169.69	
For >10 To 25, Add	685.86	
For >25 To 50, Add	498.18	
For >50 To 100, Add	249.09	
For >500 To 1,000, Deduct	-94.24	
For >1,000 To 2,000, Deduct	-142.63	
For >2,000 To 5,000, Deduct	-233.25	
For >5,000, Deduct	-387.07	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0158 LF 24mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,003.52	
For Vinylster Resin, Add	1,325.23	
For Epoxy Resin, Add	156.19	
For Up To >10, Add	1,277.59	
For >10 To 25, Add	749.12	
For >25 To 50, Add	544.13	
For >50 To 100, Add	272.07	
For >500 To 1,000, Deduct	-102.93	
For >1,000 To 2,000, Deduct	-155.78	
For >2,000 To 5,000, Deduct	-254.77	
For >5,000, Deduct	-422.77	
33 01 30 72-0159 LF 24mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,172.68	
For Vinylster Resin, Add	1,437.14	
For Epoxy Resin, Add	169.38	
For Up To >10, Add	1,385.42	
For >10 To 25, Add	812.34	
For >25 To 50, Add	590.06	
For >50 To 100, Add	295.03	
For >500 To 1,000, Deduct	-111.62	
For >1,000 To 2,000, Deduct	-168.93	
For >2,000 To 5,000, Deduct	-276.27	
For >5,000, Deduct	-458.46	
33 01 30 72-0160 LF 24mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,341.86	
For Vinylster Resin, Add	1,549.04	
For Epoxy Resin, Add	182.57	
For Up To >10, Add	1,493.31	
For >10 To 25, Add	875.60	
For >25 To 50, Add	636.01	
For >50 To 100, Add	318.00	
For >500 To 1,000, Deduct	-120.32	
For >1,000 To 2,000, Deduct	-182.09	
For >2,000 To 5,000, Deduct	-297.79	
For >5,000, Deduct	-494.16	
<b>33 01 30 72-0161 25.5mm Thick Lining Cured In-Place Pipe</b> <small>(33 01 30 72-0015)</small>		
33 01 30 72-0162 LF 25.5mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	598.28	
For Vinylster Resin, Add	396.25	
For Epoxy Resin, Add	46.70	
For Up To >10, Add	379.67	
For >10 To 25, Add	222.04	
For >25 To 50, Add	161.53	
For >50 To 100, Add	80.76	
For >500 To 1,000, Deduct	-30.72	
For >1,000 To 2,000, Deduct	-46.48	
For >2,000 To 5,000, Deduct	-75.98	
For >5,000, Deduct	-126.10	
33 01 30 72-0163 LF 25.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	687.47	
For Vinylster Resin, Add	455.70	
For Epoxy Resin, Add	53.71	
For Up To >10, Add	434.91	
For >10 To 25, Add	253.93	
For >25 To 50, Add	184.91	
For >50 To 100, Add	92.45	
For >500 To 1,000, Deduct	-35.29	
For >1,000 To 2,000, Deduct	-53.38	
For >2,000 To 5,000, Deduct	-87.24	
For >5,000, Deduct	-144.79	
33 01 30 72-0164 LF 25.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	777.19	
For Vinylster Resin, Add	515.15	
For Epoxy Resin, Add	60.71	
For Up To >10, Add	491.75	
For >10 To 25, Add	287.13	
For >25 To 50, Add	209.08	
For >50 To 100, Add	104.54	
For >500 To 1,000, Deduct	-39.89	
For >1,000 To 2,000, Deduct	-60.35	
For >2,000 To 5,000, Deduct	-98.63	
For >5,000, Deduct	-163.69	
33 01 30 72-0165 LF 25.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	866.76	
For Vinylster Resin, Add	574.60	
For Epoxy Resin, Add	67.72	
For Up To >10, Add	548.16	
For >10 To 25, Add	319.99	
For >25 To 50, Add	233.04	
For >50 To 100, Add	116.52	
For >500 To 1,000, Deduct	-44.49	
For >1,000 To 2,000, Deduct	-67.30	
For >2,000 To 5,000, Deduct	-109.98	
For >5,000, Deduct	-182.53	

**33 Utilities**  
**33 01 Operation and Maintenance of Utilities**  
**33 01 30 Operation and Maintenance of Sewer Utilities**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30	72-0166	LF	25.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,046.19	
			<i>For Vinlyester Resin, Add</i>	693.50	
			<i>For Epoxy Resin, Add</i>	81.73	
			<i>For Up To &gt;10, Add</i>	661.80	
			<i>For &gt;10 To 25, Add</i>	386.38	
			<i>For &gt;25 To 50, Add</i>	281.36	
			<i>For &gt;50 To 100, Add</i>	140.68	
			<i>For &gt;500 To 1,000, Deduct</i>	-53.70	
			<i>For &gt;1,000 To 2,000, Deduct</i>	-81.24	
			<i>For &gt;2,000 To 5,000, Deduct</i>	-132.76	
			<i>For &gt;5,000, Deduct</i>	-220.33	
33 01 30	72-0167	LF	25.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,225.48	
			<i>For Vinlyester Resin, Add</i>	812.39	
			<i>For Epoxy Resin, Add</i>	95.75	
			<i>For Up To &gt;10, Add</i>	775.04	
			<i>For &gt;10 To 25, Add</i>	452.44	
			<i>For &gt;25 To 50, Add</i>	329.49	
			<i>For &gt;50 To 100, Add</i>	164.75	
			<i>For &gt;500 To 1,000, Deduct</i>	-62.90	
			<i>For &gt;1,000 To 2,000, Deduct</i>	-95.16	
			<i>For &gt;2,000 To 5,000, Deduct</i>	-155.50	
			<i>For &gt;5,000, Deduct</i>	-258.08	
33 01 30	72-0168	LF	25.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,404.92	
			<i>For Vinlyester Resin, Add</i>	931.29	
			<i>For Epoxy Resin, Add</i>	109.76	
			<i>For Up To &gt;10, Add</i>	888.71	
			<i>For &gt;10 To 25, Add</i>	518.86	
			<i>For &gt;25 To 50, Add</i>	377.83	
			<i>For &gt;50 To 100, Add</i>	188.92	
			<i>For &gt;500 To 1,000, Deduct</i>	-72.11	
			<i>For &gt;1,000 To 2,000, Deduct</i>	-109.09	
			<i>For &gt;2,000 To 5,000, Deduct</i>	-178.28	
			<i>For &gt;5,000, Deduct</i>	-295.88	
33 01 30	72-0169	LF	25.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,584.21	
			<i>For Vinlyester Resin, Add</i>	1,050.19	
			<i>For Epoxy Resin, Add</i>	123.77	
			<i>For Up To &gt;10, Add</i>	1,001.96	
			<i>For &gt;10 To 25, Add</i>	584.92	
			<i>For &gt;25 To 50, Add</i>	425.96	
			<i>For &gt;50 To 100, Add</i>	212.98	
			<i>For &gt;500 To 1,000, Deduct</i>	-81.31	
			<i>For &gt;1,000 To 2,000, Deduct</i>	-123.01	
			<i>For &gt;2,000 To 5,000, Deduct</i>	-201.02	
			<i>For &gt;5,000, Deduct</i>	-333.63	
33 01 30	72-0170	LF	25.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,763.64	
			<i>For Vinlyester Resin, Add</i>	1,169.09	
			<i>For Epoxy Resin, Add</i>	137.79	
			<i>For Up To &gt;10, Add</i>	1,115.60	
			<i>For &gt;10 To 25, Add</i>	651.31	
			<i>For &gt;25 To 50, Add</i>	474.29	
			<i>For &gt;50 To 100, Add</i>	237.15	
			<i>For &gt;500 To 1,000, Deduct</i>	-90.52	
			<i>For &gt;1,000 To 2,000, Deduct</i>	-136.95	
			<i>For &gt;2,000 To 5,000, Deduct</i>	-223.79	
			<i>For &gt;5,000, Deduct</i>	-371.43	
33 01 30	72-0171	LF	25.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,947.19	
			<i>For Vinlyester Resin, Add</i>	1,287.99	
			<i>For Epoxy Resin, Add</i>	151.80	
			<i>For Up To &gt;10, Add</i>	1,241.62	
			<i>For &gt;10 To 25, Add</i>	728.02	
			<i>For &gt;25 To 50, Add</i>	528.81	
			<i>For &gt;50 To 100, Add</i>	264.41	
			<i>For &gt;500 To 1,000, Deduct</i>	-100.04	
			<i>For &gt;1,000 To 2,000, Deduct</i>	-151.40	
			<i>For &gt;2,000 To 5,000, Deduct</i>	-247.60	
			<i>For &gt;5,000, Deduct</i>	-410.88	
33 01 30	72-0172	LF	25.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,127.02	
			<i>For Vinlyester Resin, Add</i>	1,406.89	
			<i>For Epoxy Resin, Add</i>	165.81	
			<i>For Up To &gt;10, Add</i>	1,356.46	
			<i>For &gt;10 To 25, Add</i>	795.41	
			<i>For &gt;25 To 50, Add</i>	577.74	
			<i>For &gt;50 To 100, Add</i>	288.87	
			<i>For &gt;500 To 1,000, Deduct</i>	-109.28	
			<i>For &gt;1,000 To 2,000, Deduct</i>	-165.39	
			<i>For &gt;2,000 To 5,000, Deduct</i>	-270.48	
			<i>For &gt;5,000, Deduct</i>	-448.84	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0173 LF 25.5mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,306.69	
For Vinlyester Resin, Add	1,525.78	
For Epoxy Resin, Add	179.82	
For Up To >10, Add	1,470.85	
For >10 To 25, Add	862.42	
For >25 To 50, Add	626.44	
For >50 To 100, Add	313.22	
For >500 To 1,000, Deduct	-118.51	
For >1,000 To 2,000, Deduct	-179.35	
For >2,000 To 5,000, Deduct	-293.31	
For >5,000, Deduct	-486.74	
33 01 30 72-0174 LF 25.5mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,486.51	
For Vinlyester Resin, Add	1,644.69	
For Epoxy Resin, Add	193.84	
For Up To >10, Add	1,585.66	
For >10 To 25, Add	929.79	
For >25 To 50, Add	675.35	
For >50 To 100, Add	337.68	
For >500 To 1,000, Deduct	-127.75	
For >1,000 To 2,000, Deduct	-193.34	
For >2,000 To 5,000, Deduct	-316.19	
For >5,000, Deduct	-524.69	
<b>33 01 30 72-0175 27mm Thick Lining Cured In-Place Pipe</b> <small>(33 01 30 72-0015)</small>		
33 01 30 72-0176 LF 27mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	630.71	
For Vinlyester Resin, Add	418.32	
For Epoxy Resin, Add	49.30	
For Up To >10, Add	398.13	
For >10 To 25, Add	232.18	
For >25 To 50, Add	169.19	
For >50 To 100, Add	84.59	
For >500 To 1,000, Deduct	-32.36	
For >1,000 To 2,000, Deduct	-48.96	
For >2,000 To 5,000, Deduct	-79.99	
For >5,000, Deduct	-132.76	
33 01 30 72-0177 LF 27mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	725.67	
For Vinlyester Resin, Add	481.26	
For Epoxy Resin, Add	56.72	
For Up To >10, Add	458.21	
For >10 To 25, Add	267.26	
For >25 To 50, Add	194.73	
For >50 To 100, Add	97.36	
For >500 To 1,000, Deduct	-37.24	
For >1,000 To 2,000, Deduct	-56.33	
For >2,000 To 5,000, Deduct	-92.04	
For >5,000, Deduct	-152.76	
33 01 30 72-0178 LF 27mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	820.65	
For Vinlyester Resin, Add	544.22	
For Epoxy Resin, Add	64.14	
For Up To >10, Add	518.33	
For >10 To 25, Add	302.36	
For >25 To 50, Add	220.29	
For >50 To 100, Add	110.15	
For >500 To 1,000, Deduct	-42.11	
For >1,000 To 2,000, Deduct	-63.71	
For >2,000 To 5,000, Deduct	-104.09	
For >5,000, Deduct	-172.77	
33 01 30 72-0179 LF 27mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	915.48	
For Vinlyester Resin, Add	607.16	
For Epoxy Resin, Add	71.56	
For Up To >10, Add	578.02	
For >10 To 25, Add	337.12	
For >25 To 50, Add	245.64	
For >50 To 100, Add	122.82	
For >500 To 1,000, Deduct	-46.98	
For >1,000 To 2,000, Deduct	-71.07	
For >2,000 To 5,000, Deduct	-116.11	
For >5,000, Deduct	-192.72	
33 01 30 72-0180 LF 27mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,105.29	
For Vinlyester Resin, Add	733.05	
For Epoxy Resin, Add	86.40	
For Up To >10, Add	697.82	
For >10 To 25, Add	406.98	
For >25 To 50, Add	296.55	
For >50 To 100, Add	148.27	
For >500 To 1,000, Deduct	-56.72	
For >1,000 To 2,000, Deduct	-85.80	
For >2,000 To 5,000, Deduct	-140.18	
For >5,000, Deduct	-232.67	

**33 Utilities**  
**33 01 Operation and Maintenance of Utilities**  
**33 01 30 Operation and Maintenance of Sewer Utilities**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30	72-0181	LF	27mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,295.21	
			<i>For Vinlyester Resin, Add</i>	858.94	
			<i>For Epoxy Resin, Add</i>	101.23	
			<i>For Up To &gt;10, Add</i>	817.98	
			<i>For &gt;10 To 25, Add</i>	477.14	
			<i>For &gt;25 To 50, Add</i>	347.64	
			<i>For &gt;50 To 100, Add</i>	173.82	
			<i>For &gt;500 To 1,000, Deduct</i>	-66.46	
			<i>For &gt;1,000 To 2,000, Deduct</i>	-100.55	
			<i>For &gt;2,000 To 5,000, Deduct</i>	-164.28	
			<i>For &gt;5,000, Deduct</i>	-272.67	
33 01 30	72-0182	LF	27mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,485.03	
			<i>For Vinlyester Resin, Add</i>	984.84	
			<i>For Epoxy Resin, Add</i>	116.07	
			<i>For Up To &gt;10, Add</i>	937.82	
			<i>For &gt;10 To 25, Add</i>	547.03	
			<i>For &gt;25 To 50, Add</i>	398.56	
			<i>For &gt;50 To 100, Add</i>	199.28	
			<i>For &gt;500 To 1,000, Deduct</i>	-76.20	
			<i>For &gt;1,000 To 2,000, Deduct</i>	-115.28	
			<i>For &gt;2,000 To 5,000, Deduct</i>	-188.36	
			<i>For &gt;5,000, Deduct</i>	-312.63	
33 01 30	72-0183	LF	27mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,674.83	
			<i>For Vinlyester Resin, Add</i>	1,110.73	
			<i>For Epoxy Resin, Add</i>	130.91	
			<i>For Up To &gt;10, Add</i>	1,057.62	
			<i>For &gt;10 To 25, Add</i>	616.89	
			<i>For &gt;25 To 50, Add</i>	449.47	
			<i>For &gt;50 To 100, Add</i>	224.74	
			<i>For &gt;500 To 1,000, Deduct</i>	-85.94	
			<i>For &gt;1,000 To 2,000, Deduct</i>	-130.02	
			<i>For &gt;2,000 To 5,000, Deduct</i>	-212.43	
			<i>For &gt;5,000, Deduct</i>	-352.58	
33 01 30	72-0184	LF	27mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,864.63	
			<i>For Vinlyester Resin, Add</i>	1,236.62	
			<i>For Epoxy Resin, Add</i>	145.74	
			<i>For Up To &gt;10, Add</i>	1,177.39	
			<i>For &gt;10 To 25, Add</i>	686.73	
			<i>For &gt;25 To 50, Add</i>	500.37	
			<i>For &gt;50 To 100, Add</i>	250.18	
			<i>For &gt;500 To 1,000, Deduct</i>	-95.68	
			<i>For &gt;1,000 To 2,000, Deduct</i>	-144.75	
			<i>For &gt;2,000 To 5,000, Deduct</i>	-236.50	
			<i>For &gt;5,000, Deduct</i>	-392.53	
33 01 30	72-0185	LF	27mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,059.88	
			<i>For Vinlyester Resin, Add</i>	1,362.52	
			<i>For Epoxy Resin, Add</i>	160.58	
			<i>For Up To &gt;10, Add</i>	1,313.52	
			<i>For &gt;10 To 25, Add</i>	770.19	
			<i>For &gt;25 To 50, Add</i>	559.44	
			<i>For &gt;50 To 100, Add</i>	279.72	
			<i>For &gt;500 To 1,000, Deduct</i>	-105.83	
			<i>For &gt;1,000 To 2,000, Deduct</i>	-160.16	
			<i>For &gt;2,000 To 5,000, Deduct</i>	-261.93	
			<i>For &gt;5,000, Deduct</i>	-434.66	
33 01 30	72-0186	LF	27mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,250.19	
			<i>For Vinlyester Resin, Add</i>	1,488.40	
			<i>For Epoxy Resin, Add</i>	175.42	
			<i>For Up To &gt;10, Add</i>	1,434.85	
			<i>For &gt;10 To 25, Add</i>	841.32	
			<i>For &gt;25 To 50, Add</i>	611.11	
			<i>For &gt;50 To 100, Add</i>	305.55	
			<i>For &gt;500 To 1,000, Deduct</i>	-115.61	
			<i>For &gt;1,000 To 2,000, Deduct</i>	-174.96	
			<i>For &gt;2,000 To 5,000, Deduct</i>	-286.13	
			<i>For &gt;5,000, Deduct</i>	-474.82	
33 01 30	72-0187	LF	27mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,440.52	
			<i>For Vinlyester Resin, Add</i>	1,614.30	
			<i>For Epoxy Resin, Add</i>	190.26	
			<i>For Up To &gt;10, Add</i>	1,556.21	
			<i>For &gt;10 To 25, Add</i>	912.49	
			<i>For &gt;25 To 50, Add</i>	662.80	
			<i>For &gt;50 To 100, Add</i>	331.40	
			<i>For &gt;500 To 1,000, Deduct</i>	-125.39	
			<i>For &gt;1,000 To 2,000, Deduct</i>	-189.76	
			<i>For &gt;2,000 To 5,000, Deduct</i>	-310.33	
			<i>For &gt;5,000, Deduct</i>	-514.98	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0188 LF 27mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,630.84	
For Vinylster Resin, Add	1,740.19	
For Epoxy Resin, Add	205.09	
For Up To >10, Add	1,677.55	
For >10 To 25, Add	983.62	
For >25 To 50, Add	714.47	
For >50 To 100, Add	357.24	
For >500 To 1,000, Deduct	-135.16	
For >1,000 To 2,000, Deduct	-204.56	
For >2,000 To 5,000, Deduct	-334.53	
For >5,000, Deduct	-555.14	
<b>33 01 30 72-0189 28.5mm Thick Lining Cured In-Place Pipe (33 01 30 72-0015)</b>		
33 01 30 72-0190 LF 28.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	763.43	
For Vinylster Resin, Add	506.70	
For Epoxy Resin, Add	59.72	
For Up To >10, Add	480.67	
For >10 To 25, Add	279.91	
For >25 To 50, Add	204.14	
For >50 To 100, Add	102.07	
For >500 To 1,000, Deduct	-39.16	
For >1,000 To 2,000, Deduct	-59.24	
For >2,000 To 5,000, Deduct	-96.76	
For >5,000, Deduct	-160.60	
33 01 30 72-0191 LF 28.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	863.65	
For Vinylster Resin, Add	573.14	
For Epoxy Resin, Add	67.55	
For Up To >10, Add	544.03	
For >10 To 25, Add	316.89	
For >25 To 50, Add	231.07	
For >50 To 100, Add	115.54	
For >500 To 1,000, Deduct	-44.30	
For >1,000 To 2,000, Deduct	-67.02	
For >2,000 To 5,000, Deduct	-109.47	
For >5,000, Deduct	-181.71	
33 01 30 72-0192 LF 28.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	963.74	
For Vinylster Resin, Add	639.58	
For Epoxy Resin, Add	75.38	
For Up To >10, Add	607.00	
For >10 To 25, Add	353.55	
For >25 To 50, Add	257.81	
For >50 To 100, Add	128.91	
For >500 To 1,000, Deduct	-49.44	
For >1,000 To 2,000, Deduct	-74.78	
For >2,000 To 5,000, Deduct	-122.16	
For >5,000, Deduct	-202.76	
33 01 30 72-0193 LF 28.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,220.03	
For Vinylster Resin, Add	811.75	
For Epoxy Resin, Add	95.67	
For Up To >10, Add	760.99	
For >10 To 25, Add	440.89	
For >25 To 50, Add	322.51	
For >50 To 100, Add	161.26	
For >500 To 1,000, Deduct	-62.51	
For >1,000 To 2,000, Deduct	-94.52	
For >2,000 To 5,000, Deduct	-154.25	
For >5,000, Deduct	-256.08	
33 01 30 72-0194 LF 28.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,364.23	
For Vinylster Resin, Add	905.35	
For Epoxy Resin, Add	106.70	
For Up To >10, Add	859.29	
For >10 To 25, Add	500.52	
For >25 To 50, Add	364.98	
For >50 To 100, Add	182.49	
For >500 To 1,000, Deduct	-69.98	
For >1,000 To 2,000, Deduct	-105.86	
For >2,000 To 5,000, Deduct	-172.92	
For >5,000, Deduct	-287.02	
33 01 30 72-0195 LF 28.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,564.42	
For Vinylster Resin, Add	1,038.24	
For Epoxy Resin, Add	122.36	
For Up To >10, Add	985.26	
For >10 To 25, Add	573.85	
For >25 To 50, Add	418.47	
For >50 To 100, Add	209.24	
For >500 To 1,000, Deduct	-80.25	
For >1,000 To 2,000, Deduct	-121.39	
For >2,000 To 5,000, Deduct	-198.29	
For >5,000, Deduct	-329.13	

**33 Utilities****33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 01 30 72-0196	LF 28.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,764.60	
	For Vinlyester Resin, Add	1,171.13	
	For Epoxy Resin, Add	138.03	
	For Up To >10, Add	1,111.20	
	For >10 To 25, Add	647.16	
	For >25 To 50, Add	471.95	
	For >50 To 100, Add	235.97	
	For >500 To 1,000, Deduct	-90.52	
	For >1,000 To 2,000, Deduct	-136.92	
	For >2,000 To 5,000, Deduct	-223.65	
	For >5,000, Deduct	-371.23	
33 01 30 72-0197	LF 28.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,964.80	
	For Vinlyester Resin, Add	1,304.02	
	For Epoxy Resin, Add	153.69	
	For Up To >10, Add	1,237.20	
	For >10 To 25, Add	720.52	
	For >25 To 50, Add	525.46	
	For >50 To 100, Add	262.73	
	For >500 To 1,000, Deduct	-100.79	
	For >1,000 To 2,000, Deduct	-152.46	
	For >2,000 To 5,000, Deduct	-249.03	
	For >5,000, Deduct	-413.34	
33 01 30 72-0198	LF 28.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,170.67	
	For Vinlyester Resin, Add	1,436.90	
	For Epoxy Resin, Add	169.35	
	For Up To >10, Add	1,380.21	
	For >10 To 25, Add	808.06	
	For >25 To 50, Add	587.47	
	For >50 To 100, Add	293.73	
	For >500 To 1,000, Deduct	-111.48	
	For >1,000 To 2,000, Deduct	-168.70	
	For >2,000 To 5,000, Deduct	-275.81	
	For >5,000, Deduct	-457.72	
33 01 30 72-0199	LF 28.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,371.36	
	For Vinlyester Resin, Add	1,569.79	
	For Epoxy Resin, Add	185.01	
	For Up To >10, Add	1,507.71	
	For >10 To 25, Add	882.66	
	For >25 To 50, Add	641.73	
	For >50 To 100, Add	320.86	
	For >500 To 1,000, Deduct	-121.79	
	For >1,000 To 2,000, Deduct	-184.29	
	For >2,000 To 5,000, Deduct	-301.31	
	For >5,000, Deduct	-500.03	
33 01 30 72-0200	LF 28.5mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,572.20	
	For Vinlyester Resin, Add	1,702.67	
	For Epoxy Resin, Add	200.67	
	For Up To >10, Add	1,635.63	
	For >10 To 25, Add	957.62	
	For >25 To 50, Add	696.19	
	For >50 To 100, Add	348.10	
	For >500 To 1,000, Deduct	-132.11	
	For >1,000 To 2,000, Deduct	-199.91	
	For >2,000 To 5,000, Deduct	-326.84	
	For >5,000, Deduct	-542.40	
33 01 30 72-0201	LF 28.5mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,772.91	
	For Vinlyester Resin, Add	1,835.56	
	For Epoxy Resin, Add	216.33	
	For Up To >10, Add	1,763.16	
	For >10 To 25, Add	1,032.26	
	For >25 To 50, Add	750.47	
	For >50 To 100, Add	375.23	
	For >500 To 1,000, Deduct	-142.41	
	For >1,000 To 2,000, Deduct	-215.50	
	For >2,000 To 5,000, Deduct	-352.34	
	For >5,000, Deduct	-584.72	

**33 01 30 72-0202 30mm Thick Lining Cured In-Place Pipe (33 01 30 72-0015)**

33 01 30 72-0203	LF 30mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	800.98	
	For Vinlyester Resin, Add	531.99	
	For Epoxy Resin, Add	62.70	
	For Up To >10, Add	502.99	
	For >10 To 25, Add	292.50	
	For >25 To 50, Add	213.50	
	For >50 To 100, Add	106.75	
	For >500 To 1,000, Deduct	-41.07	
	For >1,000 To 2,000, Deduct	-62.12	
	For >2,000 To 5,000, Deduct	-101.45	
	For >5,000, Deduct	-168.40	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0204 LF 30mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	906.33	
For Vinlyester Resin, Add	601.93	
For Epoxy Resin, Add	70.94	
For Up To >10, Add	569.24	
For >10 To 25, Add	331.05	
For >25 To 50, Add	241.63	
For >50 To 100, Add	120.81	
For >500 To 1,000, Deduct	-46.48	
For >1,000 To 2,000, Deduct	-70.30	
For >2,000 To 5,000, Deduct	-114.80	
For >5,000, Deduct	-190.55	
33 01 30 72-0205 LF 30mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,011.67	
For Vinlyester Resin, Add	671.87	
For Epoxy Resin, Add	79.18	
For Up To >10, Add	635.49	
For >10 To 25, Add	369.60	
For >25 To 50, Add	269.75	
For >50 To 100, Add	134.88	
For >500 To 1,000, Deduct	-51.88	
For >1,000 To 2,000, Deduct	-78.47	
For >2,000 To 5,000, Deduct	-128.14	
For >5,000, Deduct	-212.71	
33 01 30 72-0206 LF 30mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,222.24	
For Vinlyester Resin, Add	811.75	
For Epoxy Resin, Add	95.67	
For Up To >10, Add	767.62	
For >10 To 25, Add	446.41	
For >25 To 50, Add	325.83	
For >50 To 100, Add	162.91	
For >500 To 1,000, Deduct	-62.68	
For >1,000 To 2,000, Deduct	-94.80	
For >2,000 To 5,000, Deduct	-154.81	
For >5,000, Deduct	-256.97	
33 01 30 72-0207 LF 30mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,432.93	
For Vinlyester Resin, Add	951.63	
For Epoxy Resin, Add	112.16	
For Up To >10, Add	900.12	
For >10 To 25, Add	523.52	
For >25 To 50, Add	382.08	
For >50 To 100, Add	191.04	
For >500 To 1,000, Deduct	-73.48	
For >1,000 To 2,000, Deduct	-111.14	
For >2,000 To 5,000, Deduct	-181.50	
For >5,000, Deduct	-301.28	
33 01 30 72-0208 LF 30mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,643.49	
For Vinlyester Resin, Add	1,091.51	
For Epoxy Resin, Add	128.64	
For Up To >10, Add	1,032.22	
For >10 To 25, Add	600.30	
For >25 To 50, Add	438.15	
For >50 To 100, Add	219.07	
For >500 To 1,000, Deduct	-84.28	
For >1,000 To 2,000, Deduct	-127.47	
For >2,000 To 5,000, Deduct	-208.16	
For >5,000, Deduct	-345.54	
33 01 30 72-0209 LF 30mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,854.19	
For Vinlyester Resin, Add	1,231.39	
For Epoxy Resin, Add	145.13	
For Up To >10, Add	1,164.75	
For >10 To 25, Add	677.43	
For >25 To 50, Add	494.42	
For >50 To 100, Add	247.21	
For >500 To 1,000, Deduct	-95.09	
For >1,000 To 2,000, Deduct	-143.82	
For >2,000 To 5,000, Deduct	-234.86	
For >5,000, Deduct	-389.85	
33 01 30 72-0210 LF 30mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,064.75	
For Vinlyester Resin, Add	1,371.27	
For Epoxy Resin, Add	161.61	
For Up To >10, Add	1,296.85	
For >10 To 25, Add	754.22	
For >25 To 50, Add	550.48	
For >50 To 100, Add	275.24	
For >500 To 1,000, Deduct	-105.88	
For >1,000 To 2,000, Deduct	-160.15	
For >2,000 To 5,000, Deduct	-261.52	
For >5,000, Deduct	-434.11	

**33 Utilities****33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0211 LF 30mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,281.27	
For Vinlyester Resin, Add	1,511.15	
For Epoxy Resin, Add	178.10	
For Up To >10, Add	1,446.84	
For >10 To 25, Add	845.90	
For >25 To 50, Add	615.48	
For >50 To 100, Add	307.74	
For >500 To 1,000, Deduct	-117.13	
For >1,000 To 2,000, Deduct	-177.22	
For >2,000 To 5,000, Deduct	-289.67	
For >5,000, Deduct	-480.75	
33 01 30 72-0212 LF 30mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,492.34	
For Vinlyester Resin, Add	1,651.03	
For Epoxy Resin, Add	194.59	
For Up To >10, Add	1,580.47	
For >10 To 25, Add	923.96	
For >25 To 50, Add	672.30	
For >50 To 100, Add	336.15	
For >500 To 1,000, Deduct	-127.96	
For >1,000 To 2,000, Deduct	-193.61	
For >2,000 To 5,000, Deduct	-316.46	
For >5,000, Deduct	-525.21	
33 01 30 72-0213 LF 30mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,703.55	
For Vinlyester Resin, Add	1,790.91	
For Epoxy Resin, Add	211.07	
For Up To >10, Add	1,714.55	
For >10 To 25, Add	1,002.39	
For >25 To 50, Add	729.35	
For >50 To 100, Add	364.68	
For >500 To 1,000, Deduct	-138.81	
For >1,000 To 2,000, Deduct	-210.02	
For >2,000 To 5,000, Deduct	-343.29	
For >5,000, Deduct	-569.73	
33 01 30 72-0214 LF 30mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,914.76	
For Vinlyester Resin, Add	1,930.79	
For Epoxy Resin, Add	227.56	
For Up To >10, Add	1,848.61	
For >10 To 25, Add	1,080.79	
For >25 To 50, Add	786.39	
For >50 To 100, Add	393.19	
For >500 To 1,000, Deduct	-149.65	
For >1,000 To 2,000, Deduct	-226.43	
For >2,000 To 5,000, Deduct	-370.11	
For >5,000, Deduct	-614.25	
33 01 30 72-0215 LF 30mm Lining 90" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	3,125.84	
For Vinlyester Resin, Add	2,070.67	
For Epoxy Resin, Add	244.04	
For Up To >10, Add	1,982.27	
For >10 To 25, Add	1,158.88	
For >25 To 50, Add	843.23	
For >50 To 100, Add	421.62	
For >500 To 1,000, Deduct	-160.49	
For >1,000 To 2,000, Deduct	-242.83	
For >2,000 To 5,000, Deduct	-396.91	
For >5,000, Deduct	-658.72	
33 01 30 72-0216 LF 30mm Lining 96" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	3,337.06	
For Vinlyester Resin, Add	2,210.55	
For Epoxy Resin, Add	260.53	
For Up To >10, Add	2,116.36	
For >10 To 25, Add	1,237.31	
For >25 To 50, Add	900.28	
For >50 To 100, Add	450.14	
For >500 To 1,000, Deduct	-171.33	
For >1,000 To 2,000, Deduct	-259.24	
For >2,000 To 5,000, Deduct	-423.73	
For >5,000, Deduct	-703.24	
<b>33 01 30 72-0217 31.5mm Thick Lining Cured In-Place Pipe (33 01 30 72-0015)</b>		
33 01 30 72-0218 LF 31.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	838.35	
For Vinlyester Resin, Add	557.14	
For Epoxy Resin, Add	65.66	
For Up To >10, Add	525.25	
For >10 To 25, Add	305.06	
For >25 To 50, Add	222.83	
For >50 To 100, Add	111.41	
For >500 To 1,000, Deduct	-42.98	
For >1,000 To 2,000, Deduct	-65.00	
For >2,000 To 5,000, Deduct	-106.12	
For >5,000, Deduct	-176.16	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0219 LF 31.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	948.81	
For Vinyl ester Resin, Add	630.58	
For Epoxy Resin, Add	74.32	
For Up To >10, Add	594.36	
For >10 To 25, Add	345.16	
For >25 To 50, Add	252.14	
For >50 To 100, Add	126.07	
For >500 To 1,000, Deduct	-48.64	
For >1,000 To 2,000, Deduct	-73.56	
For >2,000 To 5,000, Deduct	-120.09	
For >5,000, Deduct	-199.36	
33 01 30 72-0220 LF 31.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,059.27	
For Vinyl ester Resin, Add	704.01	
For Epoxy Resin, Add	82.97	
For Up To >10, Add	663.49	
For >10 To 25, Add	385.28	
For >25 To 50, Add	281.46	
For >50 To 100, Add	140.73	
For >500 To 1,000, Deduct	-54.30	
For >1,000 To 2,000, Deduct	-82.12	
For >2,000 To 5,000, Deduct	-134.07	
For >5,000, Deduct	-222.56	
33 01 30 72-0221 LF 31.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,280.36	
For Vinyl ester Resin, Add	850.89	
For Epoxy Resin, Add	100.28	
For Up To >10, Add	802.18	
For >10 To 25, Add	465.89	
For >25 To 50, Add	340.31	
For >50 To 100, Add	170.16	
For >500 To 1,000, Deduct	-65.64	
For >1,000 To 2,000, Deduct	-99.27	
For >2,000 To 5,000, Deduct	-162.07	
For >5,000, Deduct	-269.03	
33 01 30 72-0222 LF 31.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,501.29	
For Vinyl ester Resin, Add	997.77	
For Epoxy Resin, Add	117.59	
For Up To >10, Add	940.42	
For >10 To 25, Add	546.12	
For >25 To 50, Add	398.94	
For >50 To 100, Add	199.47	
For >500 To 1,000, Deduct	-76.96	
For >1,000 To 2,000, Deduct	-116.39	
For >2,000 To 5,000, Deduct	-190.02	
For >5,000, Deduct	-315.44	
33 01 30 72-0223 LF 31.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,722.37	
For Vinyl ester Resin, Add	1,144.64	
For Epoxy Resin, Add	134.90	
For Up To >10, Add	1,079.11	
For >10 To 25, Add	626.73	
For >25 To 50, Add	457.80	
For >50 To 100, Add	228.90	
For >500 To 1,000, Deduct	-88.30	
For >1,000 To 2,000, Deduct	-133.54	
For >2,000 To 5,000, Deduct	-218.02	
For >5,000, Deduct	-361.91	
33 01 30 72-0224 LF 31.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,943.32	
For Vinyl ester Resin, Add	1,291.51	
For Epoxy Resin, Add	152.21	
For Up To >10, Add	1,217.41	
For >10 To 25, Add	707.01	
For >25 To 50, Add	516.45	
For >50 To 100, Add	258.23	
For >500 To 1,000, Deduct	-99.62	
For >1,000 To 2,000, Deduct	-150.66	
For >2,000 To 5,000, Deduct	-245.98	
For >5,000, Deduct	-408.32	
33 01 30 72-0225 LF 31.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,164.25	
For Vinyl ester Resin, Add	1,438.39	
For Epoxy Resin, Add	169.52	
For Up To >10, Add	1,355.65	
For >10 To 25, Add	787.24	
For >25 To 50, Add	575.08	
For >50 To 100, Add	287.54	
For >500 To 1,000, Deduct	-110.95	
For >1,000 To 2,000, Deduct	-167.79	
For >2,000 To 5,000, Deduct	-273.93	
For >5,000, Deduct	-454.73	

**33 Utilities****33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 01 30 72-0226	LF 31.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,391.41	
	For Vinlyester Resin, Add	1,585.26	
	For Epoxy Resin, Add	186.83	
	For Up To >10, Add	1,512.58	
	For >10 To 25, Add	883.04	
	For >25 To 50, Add	643.06	
	For >50 To 100, Add	321.53	
	For >500 To 1,000, Deduct	-122.74	
	For >1,000 To 2,000, Deduct	-185.69	
	For >2,000 To 5,000, Deduct	-303.45	
	For >5,000, Deduct	-503.63	
33 01 30 72-0227	LF 31.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,630.03	
	For Vinlyester Resin, Add	1,743.97	
	For Epoxy Resin, Add	205.54	
	For Up To >10, Add	1,661.64	
	For >10 To 25, Add	969.47	
	For >25 To 50, Add	706.25	
	For >50 To 100, Add	353.13	
	For >500 To 1,000, Deduct	-134.97	
	For >1,000 To 2,000, Deduct	-204.18	
	For >2,000 To 5,000, Deduct	-333.63	
	For >5,000, Deduct	-553.74	
33 01 30 72-0228	LF 31.5mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,834.46	
	For Vinlyester Resin, Add	1,879.01	
	For Epoxy Resin, Add	221.45	
	For Up To >10, Add	1,792.63	
	For >10 To 25, Add	1,046.48	
	For >25 To 50, Add	762.10	
	For >50 To 100, Add	381.05	
	For >500 To 1,000, Deduct	-145.48	
	For >1,000 To 2,000, Deduct	-220.09	
	For >2,000 To 5,000, Deduct	-359.66	
	For >5,000, Deduct	-596.92	
33 01 30 72-0229	LF 31.5mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	3,056.04	
	For Vinlyester Resin, Add	2,025.88	
	For Epoxy Resin, Add	238.76	
	For Up To >10, Add	1,932.82	
	For >10 To 25, Add	1,128.33	
	For >25 To 50, Add	821.70	
	For >50 To 100, Add	410.85	
	For >500 To 1,000, Deduct	-156.85	
	For >1,000 To 2,000, Deduct	-237.30	
	For >2,000 To 5,000, Deduct	-387.77	
	For >5,000, Deduct	-643.59	
33 01 30 72-0230	LF 31.5mm Lining 90" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	3,277.51	
	For Vinlyester Resin, Add	2,172.76	
	For Epoxy Resin, Add	256.08	
	For Up To >10, Add	2,072.68	
	For >10 To 25, Add	1,209.91	
	For >25 To 50, Add	881.14	
	For >50 To 100, Add	440.57	
	For >500 To 1,000, Deduct	-168.21	
	For >1,000 To 2,000, Deduct	-254.49	
	For >2,000 To 5,000, Deduct	-415.87	
	For >5,000, Deduct	-690.22	
33 01 30 72-0231	LF 31.5mm Lining 96" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	3,499.09	
	For Vinlyester Resin, Add	2,319.63	
	For Epoxy Resin, Add	273.39	
	For Up To >10, Add	2,212.87	
	For >10 To 25, Add	1,291.77	
	For >25 To 50, Add	940.75	
	For >50 To 100, Add	470.37	
	For >500 To 1,000, Deduct	-179.59	
	For >1,000 To 2,000, Deduct	-271.70	
	For >2,000 To 5,000, Deduct	-443.98	
	For >5,000, Deduct	-736.88	
33 01 30 72-0232	33mm Thick Lining Cured In-Place Pipe <small>(33 01 30 72-0015)</small>		
33 01 30 72-0233	LF 33mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	875.38	
	For Vinlyester Resin, Add	582.16	
	For Epoxy Resin, Add	68.61	
	For Up To >10, Add	546.99	
	For >10 To 25, Add	317.22	
	For >25 To 50, Add	231.91	
	For >50 To 100, Add	115.96	
	For >500 To 1,000, Deduct	-44.86	
	For >1,000 To 2,000, Deduct	-67.84	
	For >2,000 To 5,000, Deduct	-110.73	
	For >5,000, Deduct	-183.82	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0234 LF 33mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	991.09	
For Vinyl ester Resin, Add	659.09	
For Epoxy Resin, Add	77.68	
For Up To >10, Add	619.37	
For >10 To 25, Add	359.22	
For >25 To 50, Add	262.61	
For >50 To 100, Add	131.30	
For >500 To 1,000, Deduct	-50.79	
For >1,000 To 2,000, Deduct	-76.81	
For >2,000 To 5,000, Deduct	-125.37	
For >5,000, Deduct	-208.12	
33 01 30 72-0235 LF 33mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,106.69	
For Vinyl ester Resin, Add	736.02	
For Epoxy Resin, Add	86.75	
For Up To >10, Add	691.42	
For >10 To 25, Add	400.94	
For >25 To 50, Add	293.14	
For >50 To 100, Add	146.57	
For >500 To 1,000, Deduct	-56.72	
For >1,000 To 2,000, Deduct	-85.76	
For >2,000 To 5,000, Deduct	-139.98	
For >5,000, Deduct	-232.38	
33 01 30 72-0236 LF 33mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,338.14	
For Vinyl ester Resin, Add	889.90	
For Epoxy Resin, Add	104.88	
For Up To >10, Add	836.22	
For >10 To 25, Add	484.97	
For >25 To 50, Add	354.55	
For >50 To 100, Add	177.27	
For >500 To 1,000, Deduct	-68.58	
For >1,000 To 2,000, Deduct	-103.70	
For >2,000 To 5,000, Deduct	-169.27	
For >5,000, Deduct	-281.00	
33 01 30 72-0237 LF 33mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,569.46	
For Vinyl ester Resin, Add	1,043.76	
For Epoxy Resin, Add	123.01	
For Up To >10, Add	980.66	
For >10 To 25, Add	568.70	
For >25 To 50, Add	415.77	
For >50 To 100, Add	207.89	
For >500 To 1,000, Deduct	-80.43	
For >1,000 To 2,000, Deduct	-121.63	
For >2,000 To 5,000, Deduct	-198.52	
For >5,000, Deduct	-329.57	
33 01 30 72-0238 LF 33mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,800.92	
For Vinyl ester Resin, Add	1,197.63	
For Epoxy Resin, Add	141.15	
For Up To >10, Add	1,125.51	
For >10 To 25, Add	652.78	
For >25 To 50, Add	477.21	
For >50 To 100, Add	238.61	
For >500 To 1,000, Deduct	-92.30	
For >1,000 To 2,000, Deduct	-139.57	
For >2,000 To 5,000, Deduct	-227.81	
For >5,000, Deduct	-378.19	
33 01 30 72-0239 LF 33mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,032.24	
For Vinyl ester Resin, Add	1,351.50	
For Epoxy Resin, Add	159.28	
For Up To >10, Add	1,269.95	
For >10 To 25, Add	736.50	
For >25 To 50, Add	538.44	
For >50 To 100, Add	269.22	
For >500 To 1,000, Deduct	-104.15	
For >1,000 To 2,000, Deduct	-157.49	
For >2,000 To 5,000, Deduct	-257.07	
For >5,000, Deduct	-426.75	
33 01 30 72-0240 LF 33mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,263.57	
For Vinyl ester Resin, Add	1,505.37	
For Epoxy Resin, Add	177.42	
For Up To >10, Add	1,414.39	
For >10 To 25, Add	820.23	
For >25 To 50, Add	599.67	
For >50 To 100, Add	299.83	
For >500 To 1,000, Deduct	-116.00	
For >1,000 To 2,000, Deduct	-175.42	
For >2,000 To 5,000, Deduct	-286.32	
For >5,000, Deduct	-475.32	

**33 Utilities****33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0241 LF 33mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,501.23	
For Vinlyester Resin, Add	1,659.24	
For Epoxy Resin, Add	195.55	
For Up To >10, Add	1,577.84	
For >10 To 25, Add	919.81	
For >25 To 50, Add	670.40	
For >50 To 100, Add	335.20	
For >500 To 1,000, Deduct	-128.33	
For >1,000 To 2,000, Deduct	-194.14	
For >2,000 To 5,000, Deduct	-317.16	
For >5,000, Deduct	-526.42	
33 01 30 72-0242 LF 33mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,733.58	
For Vinlyester Resin, Add	1,813.11	
For Epoxy Resin, Add	213.69	
For Up To >10, Add	1,725.37	
For >10 To 25, Add	1,006.11	
For >25 To 50, Add	733.18	
For >50 To 100, Add	366.59	
For >500 To 1,000, Deduct	-140.26	
For >1,000 To 2,000, Deduct	-212.19	
For >2,000 To 5,000, Deduct	-346.68	
For >5,000, Deduct	-575.40	
33 01 30 72-0243 LF 33mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,965.03	
For Vinlyester Resin, Add	1,966.97	
For Epoxy Resin, Add	231.82	
For Up To >10, Add	1,870.19	
For >10 To 25, Add	1,090.17	
For >25 To 50, Add	794.60	
For >50 To 100, Add	397.30	
For >500 To 1,000, Deduct	-152.13	
For >1,000 To 2,000, Deduct	-230.13	
For >2,000 To 5,000, Deduct	-375.96	
For >5,000, Deduct	-624.02	
33 01 30 72-0244 LF 33mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	3,196.99	
For Vinlyester Resin, Add	2,120.84	
For Epoxy Resin, Add	249.96	
For Up To >10, Add	2,016.55	
For >10 To 25, Add	1,175.49	
For >25 To 50, Add	856.78	
For >50 To 100, Add	428.39	
For >500 To 1,000, Deduct	-164.03	
For >1,000 To 2,000, Deduct	-248.14	
For >2,000 To 5,000, Deduct	-405.38	
For >5,000, Deduct	-672.84	
33 01 30 72-0245 LF 33mm Lining 90" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	3,428.97	
For Vinlyester Resin, Add	2,274.71	
For Epoxy Resin, Add	268.09	
For Up To >10, Add	2,162.94	
For >10 To 25, Add	1,260.85	
For >25 To 50, Add	918.99	
For >50 To 100, Add	459.49	
For >500 To 1,000, Deduct	-175.93	
For >1,000 To 2,000, Deduct	-266.14	
For >2,000 To 5,000, Deduct	-434.80	
For >5,000, Deduct	-721.67	
33 01 30 72-0246 LF 33mm Lining 96" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	3,660.94	
For Vinlyester Resin, Add	2,428.58	
For Epoxy Resin, Add	286.23	
For Up To >10, Add	2,309.32	
For >10 To 25, Add	1,346.20	
For >25 To 50, Add	981.19	
For >50 To 100, Add	490.60	
For >500 To 1,000, Deduct	-187.84	
For >1,000 To 2,000, Deduct	-284.15	
For >2,000 To 5,000, Deduct	-464.21	
For >5,000, Deduct	-770.50	
<b>33 01 30 72-0247 34.5mm Thick Lining Cured In-Place Pipe (33 01 30 72-0015)</b>		
33 01 30 72-0248 LF 34.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,032.79	
For Vinlyester Resin, Add	687.47	
For Epoxy Resin, Add	81.02	
For Up To >10, Add	643.12	
For >10 To 25, Add	372.25	
For >25 To 50, Add	272.46	
For >50 To 100, Add	136.23	
For >500 To 1,000, Deduct	-52.91	
For >1,000 To 2,000, Deduct	-79.99	
For >2,000 To 5,000, Deduct	-130.52	
For >5,000, Deduct	-216.70	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0249 LF 34.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,153.64	
For Vinlyester Resin, Add	767.89	
For Epoxy Resin, Add	90.50	
For Up To >10, Add	718.45	
For >10 To 25, Add	415.87	
For >25 To 50, Add	304.37	
For >50 To 100, Add	152.19	
For >500 To 1,000, Deduct	-59.10	
For >1,000 To 2,000, Deduct	-89.36	
For >2,000 To 5,000, Deduct	-145.80	
For >5,000, Deduct	-242.06	
33 01 30 72-0250 LF 34.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,395.35	
For Vinlyester Resin, Add	928.76	
For Epoxy Resin, Add	109.46	
For Up To >10, Add	869.05	
For >10 To 25, Add	503.08	
For >25 To 50, Add	368.19	
For >50 To 100, Add	184.09	
For >500 To 1,000, Deduct	-71.48	
For >1,000 To 2,000, Deduct	-108.08	
For >2,000 To 5,000, Deduct	-176.35	
For >5,000, Deduct	-292.78	
33 01 30 72-0251 LF 34.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,636.92	
For Vinlyester Resin, Add	1,089.62	
For Epoxy Resin, Add	128.42	
For Up To >10, Add	1,019.26	
For >10 To 25, Add	589.95	
For >25 To 50, Add	431.80	
For >50 To 100, Add	215.90	
For >500 To 1,000, Deduct	-83.85	
For >1,000 To 2,000, Deduct	-126.79	
For >2,000 To 5,000, Deduct	-206.87	
For >5,000, Deduct	-343.45	
33 01 30 72-0252 LF 34.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,878.62	
For Vinlyester Resin, Add	1,250.49	
For Epoxy Resin, Add	147.38	
For Up To >10, Add	1,169.84	
For >10 To 25, Add	677.13	
For >25 To 50, Add	495.60	
For >50 To 100, Add	247.80	
For >500 To 1,000, Deduct	-96.24	
For >1,000 To 2,000, Deduct	-145.51	
For >2,000 To 5,000, Deduct	-237.42	
For >5,000, Deduct	-394.17	
33 01 30 72-0253 LF 34.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,120.19	
For Vinlyester Resin, Add	1,411.35	
For Epoxy Resin, Add	166.34	
For Up To >10, Add	1,320.05	
For >10 To 25, Add	764.00	
For >25 To 50, Add	559.21	
For >50 To 100, Add	279.61	
For >500 To 1,000, Deduct	-108.61	
For >1,000 To 2,000, Deduct	-164.21	
For >2,000 To 5,000, Deduct	-267.94	
For >5,000, Deduct	-444.83	
33 01 30 72-0254 LF 34.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,361.90	
For Vinlyester Resin, Add	1,572.21	
For Epoxy Resin, Add	185.30	
For Up To >10, Add	1,470.65	
For >10 To 25, Add	851.21	
For >25 To 50, Add	623.02	
For >50 To 100, Add	311.51	
For >500 To 1,000, Deduct	-120.99	
For >1,000 To 2,000, Deduct	-182.94	
For >2,000 To 5,000, Deduct	-298.49	
For >5,000, Deduct	-495.56	
33 01 30 72-0255 LF 34.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,609.94	
For Vinlyester Resin, Add	1,733.07	
For Epoxy Resin, Add	204.26	
For Up To >10, Add	1,640.27	
For >10 To 25, Add	954.26	
For >25 To 50, Add	696.34	
For >50 To 100, Add	348.17	
For >500 To 1,000, Deduct	-133.85	
For >1,000 To 2,000, Deduct	-202.45	
For >2,000 To 5,000, Deduct	-330.63	
For >5,000, Deduct	-548.81	

**33 Utilities**  
**33 01 Operation and Maintenance of Utilities**  
**33 01 30 Operation and Maintenance of Sewer Utilities**



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0256 LF 34.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,852.41	
For Vinlyester Resin, Add	1,893.93	
For Epoxy Resin, Add	223.21	
For Up To >10, Add	1,793.18	
For >10 To 25, Add	1,043.38	
For >25 To 50, Add	761.31	
For >50 To 100, Add	380.65	
For >500 To 1,000, Deduct	-146.29	
For >1,000 To 2,000, Deduct	-221.27	
For >2,000 To 5,000, Deduct	-361.37	
For >5,000, Deduct	-599.84	
33 01 30 72-0257 LF 34.5mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	3,092.31	
For Vinlyester Resin, Add	2,054.80	
For Epoxy Resin, Add	242.17	
For Up To >10, Add	1,938.36	
For >10 To 25, Add	1,126.06	
For >25 To 50, Add	822.41	
For >50 To 100, Add	411.20	
For >500 To 1,000, Deduct	-158.54	
For >1,000 To 2,000, Deduct	-239.77	
For >2,000 To 5,000, Deduct	-391.47	
For >5,000, Deduct	-649.84	
33 01 30 72-0258 LF 34.5mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	3,336.72	
For Vinlyester Resin, Add	2,215.66	
For Epoxy Resin, Add	261.13	
For Up To >10, Add	2,097.09	
For >10 To 25, Add	1,220.03	
For >25 To 50, Add	890.28	
For >50 To 100, Add	445.14	
For >500 To 1,000, Deduct	-171.12	
For >1,000 To 2,000, Deduct	-258.83	
For >2,000 To 5,000, Deduct	-422.70	
For >5,000, Deduct	-701.64	
33 01 30 72-0259 LF 34.5mm Lining 90" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	3,578.94	
For Vinlyester Resin, Add	2,376.52	
For Epoxy Resin, Add	280.09	
For Up To >10, Add	2,249.25	
For >10 To 25, Add	1,308.53	
For >25 To 50, Add	954.87	
For >50 To 100, Add	477.44	
For >500 To 1,000, Deduct	-183.54	
For >1,000 To 2,000, Deduct	-277.62	
For >2,000 To 5,000, Deduct	-453.38	
For >5,000, Deduct	-752.57	
33 01 30 72-0260 LF 34.5mm Lining 96" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	3,821.17	
For Vinlyester Resin, Add	2,537.39	
For Epoxy Resin, Add	299.05	
For Up To >10, Add	2,401.41	
For >10 To 25, Add	1,397.04	
For >25 To 50, Add	1,019.46	
For >50 To 100, Add	509.73	
For >500 To 1,000, Deduct	-195.97	
For >1,000 To 2,000, Deduct	-296.40	
For >2,000 To 5,000, Deduct	-484.06	
For >5,000, Deduct	-803.50	
<b>33 01 30 72-0261 36mm Thick Lining Cured In-Place Pipe (33 01 30 72-0015)</b>		
33 01 30 72-0262 LF 36mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,074.29	
For Vinlyester Resin, Add	715.70	
For Epoxy Resin, Add	84.35	
For Up To >10, Add	666.80	
For >10 To 25, Add	385.26	
For >25 To 50, Add	282.28	
For >50 To 100, Add	141.14	
For >500 To 1,000, Deduct	-55.01	
For >1,000 To 2,000, Deduct	-83.16	
For >2,000 To 5,000, Deduct	-135.66	
For >5,000, Deduct	-225.23	
33 01 30 72-0263 LF 36mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,200.27	
For Vinlyester Resin, Add	799.63	
For Epoxy Resin, Add	94.24	
For Up To >10, Add	744.99	
For >10 To 25, Add	430.43	
For >25 To 50, Add	315.38	
For >50 To 100, Add	157.69	
For >500 To 1,000, Deduct	-61.46	
For >1,000 To 2,000, Deduct	-92.92	
For >2,000 To 5,000, Deduct	-151.56	
For >5,000, Deduct	-251.64	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0264 LF 36mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,452.23	
<i>For Vinlyester Resin, Add</i>	967.49	
<i>For Epoxy Resin, Add</i>	114.03	
<i>For Up To &gt;10, Add</i>	901.37	
<i>For &gt;10 To 25, Add</i>	520.78	
<i>For &gt;25 To 50, Add</i>	381.58	
<i>For &gt;50 To 100, Add</i>	190.79	
<i>For &gt;500 To 1,000, Deduct</i>	-74.36	
<i>For &gt;1,000 To 2,000, Deduct</i>	-112.42	
<i>For &gt;2,000 To 5,000, Deduct</i>	-183.38	
<i>For &gt;5,000, Deduct</i>	-304.47	
33 01 30 72-0265 LF 36mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,704.18	
<i>For Vinlyester Resin, Add</i>	1,135.34	
<i>For Epoxy Resin, Add</i>	133.81	
<i>For Up To &gt;10, Add</i>	1,057.74	
<i>For &gt;10 To 25, Add</i>	611.13	
<i>For &gt;25 To 50, Add</i>	447.77	
<i>For &gt;50 To 100, Add</i>	223.89	
<i>For &gt;500 To 1,000, Deduct</i>	-87.27	
<i>For &gt;1,000 To 2,000, Deduct</i>	-131.93	
<i>For &gt;2,000 To 5,000, Deduct</i>	-215.20	
<i>For &gt;5,000, Deduct</i>	-357.29	
33 01 30 72-0266 LF 36mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,956.00	
<i>For Vinlyester Resin, Add</i>	1,303.20	
<i>For Epoxy Resin, Add</i>	153.59	
<i>For Up To &gt;10, Add</i>	1,213.70	
<i>For &gt;10 To 25, Add</i>	701.13	
<i>For &gt;25 To 50, Add</i>	513.76	
<i>For &gt;50 To 100, Add</i>	256.88	
<i>For &gt;500 To 1,000, Deduct</i>	-100.16	
<i>For &gt;1,000 To 2,000, Deduct</i>	-151.41	
<i>For &gt;2,000 To 5,000, Deduct</i>	-246.98	
<i>For &gt;5,000, Deduct</i>	-410.06	
33 01 30 72-0267 LF 36mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,207.95	
<i>For Vinlyester Resin, Add</i>	1,471.06	
<i>For Epoxy Resin, Add</i>	173.37	
<i>For Up To &gt;10, Add</i>	1,370.08	
<i>For &gt;10 To 25, Add</i>	791.48	
<i>For &gt;25 To 50, Add</i>	579.96	
<i>For &gt;50 To 100, Add</i>	289.98	
<i>For &gt;500 To 1,000, Deduct</i>	-113.06	
<i>For &gt;1,000 To 2,000, Deduct</i>	-170.92	
<i>For &gt;2,000 To 5,000, Deduct</i>	-278.79	
<i>For &gt;5,000, Deduct</i>	-462.88	
33 01 30 72-0268 LF 36mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,459.90	
<i>For Vinlyester Resin, Add</i>	1,638.92	
<i>For Epoxy Resin, Add</i>	193.16	
<i>For Up To &gt;10, Add</i>	1,526.43	
<i>For &gt;10 To 25, Add</i>	881.80	
<i>For &gt;25 To 50, Add</i>	646.15	
<i>For &gt;50 To 100, Add</i>	323.07	
<i>For &gt;500 To 1,000, Deduct</i>	-125.96	
<i>For &gt;1,000 To 2,000, Deduct</i>	-190.42	
<i>For &gt;2,000 To 5,000, Deduct</i>	-310.60	
<i>For &gt;5,000, Deduct</i>	-515.70	
33 01 30 72-0269 LF 36mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,718.46	
<i>For Vinlyester Resin, Add</i>	1,806.77	
<i>For Epoxy Resin, Add</i>	212.94	
<i>For Up To &gt;10, Add</i>	1,702.63	
<i>For &gt;10 To 25, Add</i>	988.68	
<i>For &gt;25 To 50, Add</i>	722.26	
<i>For &gt;50 To 100, Add</i>	361.13	
<i>For &gt;500 To 1,000, Deduct</i>	-139.36	
<i>For &gt;1,000 To 2,000, Deduct</i>	-210.75	
<i>For &gt;2,000 To 5,000, Deduct</i>	-344.07	
<i>For &gt;5,000, Deduct</i>	-571.16	
33 01 30 72-0270 LF 36mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,971.06	
<i>For Vinlyester Resin, Add</i>	1,974.63	
<i>For Epoxy Resin, Add</i>	232.72	
<i>For Up To &gt;10, Add</i>	1,860.93	
<i>For &gt;10 To 25, Add</i>	1,080.63	
<i>For &gt;25 To 50, Add</i>	789.42	
<i>For &gt;50 To 100, Add</i>	394.71	
<i>For &gt;500 To 1,000, Deduct</i>	-152.31	
<i>For &gt;1,000 To 2,000, Deduct</i>	-230.34	
<i>For &gt;2,000 To 5,000, Deduct</i>	-376.05	
<i>For &gt;5,000, Deduct</i>	-624.24	

**33 Utilities****33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**
 MINOR  
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 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

33 01 30 72-0271	LF 36mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	3,219.25
	For Vinlyester Resin, Add	2,142.48
	For Epoxy Resin, Add	252.51
	For Up To >10, Add	2,006.03
	For >10 To 25, Add	1,161.57
	For >25 To 50, Add	849.98
	For >50 To 100, Add	424.99
	For >500 To 1,000, Deduct	-164.93
	For >1,000 To 2,000, Deduct	-249.37
	For >2,000 To 5,000, Deduct	-406.92
	For >5,000, Deduct	-675.56
33 01 30 72-0272	LF 36mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	3,476.12
	For Vinlyester Resin, Add	2,310.34
	For Epoxy Resin, Add	272.29
	For Up To >10, Add	2,177.14
	For >10 To 25, Add	1,264.20
	For >25 To 50, Add	923.54
	For >50 To 100, Add	461.77
	For >500 To 1,000, Deduct	-178.20
	For >1,000 To 2,000, Deduct	-269.49
	For >2,000 To 5,000, Deduct	-439.97
	For >5,000, Deduct	-730.35
33 01 30 72-0273	LF 36mm Lining 90" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	3,728.72
	For Vinlyester Resin, Add	2,478.20
	For Epoxy Resin, Add	292.07
	For Up To >10, Add	2,335.46
	For >10 To 25, Add	1,356.17
	For >25 To 50, Add	990.72
	For >50 To 100, Add	495.36
	For >500 To 1,000, Deduct	-191.15
	For >1,000 To 2,000, Deduct	-289.08
	For >2,000 To 5,000, Deduct	-471.94
	For >5,000, Deduct	-783.43
33 01 30 72-0274	LF 36mm Lining 96" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	3,981.32
	For Vinlyester Resin, Add	2,646.06
	For Epoxy Resin, Add	311.86
	For Up To >10, Add	2,493.76
	For >10 To 25, Add	1,448.12
	For >25 To 50, Add	1,057.88
	For >50 To 100, Add	528.94
	For >500 To 1,000, Deduct	-204.10
	For >1,000 To 2,000, Deduct	-308.66
	For >2,000 To 5,000, Deduct	-503.92
	For >5,000, Deduct	-836.51
33 01 30 72-0275	LF 36mm Lining 102" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	4,233.79
	For Vinlyester Resin, Add	2,813.91
	For Epoxy Resin, Add	331.64
	For Up To >10, Add	2,651.70
	For >10 To 25, Add	1,539.77
	For >25 To 50, Add	1,124.85
	For >50 To 100, Add	562.43
	For >500 To 1,000, Deduct	-217.04
	For >1,000 To 2,000, Deduct	-328.23
	For >2,000 To 5,000, Deduct	-535.86
	For >5,000, Deduct	-889.54
33 01 30 72-0276	LF 36mm Lining 108" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	4,486.39
	For Vinlyester Resin, Add	2,981.77
	For Epoxy Resin, Add	351.42
	For Up To >10, Add	2,810.00
	For >10 To 25, Add	1,631.72
	For >25 To 50, Add	1,192.01
	For >50 To 100, Add	596.01
	For >500 To 1,000, Deduct	-229.99
	For >1,000 To 2,000, Deduct	-347.82
	For >2,000 To 5,000, Deduct	-567.84
	For >5,000, Deduct	-942.62
33 01 30 72-0277	37.5mm Thick Lining Cured In-Place Pipe <small>(33 01 30 72-0015)</small>	
33 01 30 72-0278	LF 37.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,246.57
	For Vinlyester Resin, Add	831.23
	For Epoxy Resin, Add	97.97
	For Up To >10, Add	771.04
	For >10 To 25, Add	444.62
	For >25 To 50, Add	326.14
	For >50 To 100, Add	163.07
	For >500 To 1,000, Deduct	-63.81
	For >1,000 To 2,000, Deduct	-96.45
	For >2,000 To 5,000, Deduct	-157.27
	For >5,000, Deduct	-261.13



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0279 LF 37.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,508.78	
For Vinylster Resin, Add	1,006.08	
For Epoxy Resin, Add	118.57	
For Up To >10, Add	933.19	
For >10 To 25, Add	538.12	
For >25 To 50, Add	394.73	
For >50 To 100, Add	197.37	
For >500 To 1,000, Deduct	-77.23	
For >1,000 To 2,000, Deduct	-116.73	
For >2,000 To 5,000, Deduct	-190.35	
For >5,000, Deduct	-316.06	
33 01 30 72-0280 LF 37.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,770.98	
For Vinylster Resin, Add	1,180.93	
For Epoxy Resin, Add	139.18	
For Up To >10, Add	1,095.34	
For >10 To 25, Add	631.61	
For >25 To 50, Add	463.32	
For >50 To 100, Add	231.66	
For >500 To 1,000, Deduct	-90.65	
For >1,000 To 2,000, Deduct	-137.02	
For >2,000 To 5,000, Deduct	-223.43	
For >5,000, Deduct	-370.98	
33 01 30 72-0281 LF 37.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,033.18	
For Vinylster Resin, Add	1,355.78	
For Epoxy Resin, Add	159.79	
For Up To >10, Add	1,257.47	
For >10 To 25, Add	725.08	
For >25 To 50, Add	531.89	
For >50 To 100, Add	265.95	
For >500 To 1,000, Deduct	-104.07	
For >1,000 To 2,000, Deduct	-157.31	
For >2,000 To 5,000, Deduct	-256.51	
For >5,000, Deduct	-425.91	
33 01 30 72-0282 LF 37.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,295.39	
For Vinylster Resin, Add	1,530.63	
For Epoxy Resin, Add	180.40	
For Up To >10, Add	1,419.62	
For >10 To 25, Add	818.58	
For >25 To 50, Add	600.48	
For >50 To 100, Add	300.24	
For >500 To 1,000, Deduct	-117.49	
For >1,000 To 2,000, Deduct	-177.59	
For >2,000 To 5,000, Deduct	-289.59	
For >5,000, Deduct	-480.83	
33 01 30 72-0283 LF 37.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,557.60	
For Vinylster Resin, Add	1,705.49	
For Epoxy Resin, Add	201.00	
For Up To >10, Add	1,581.78	
For >10 To 25, Add	912.08	
For >25 To 50, Add	669.07	
For >50 To 100, Add	334.53	
For >500 To 1,000, Deduct	-130.91	
For >1,000 To 2,000, Deduct	-197.88	
For >2,000 To 5,000, Deduct	-322.67	
For >5,000, Deduct	-535.76	
33 01 30 72-0284 LF 37.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,826.51	
For Vinylster Resin, Add	1,880.33	
For Epoxy Resin, Add	221.61	
For Up To >10, Add	1,764.06	
For >10 To 25, Add	1,022.35	
For >25 To 50, Add	747.72	
For >50 To 100, Add	373.86	
For >500 To 1,000, Deduct	-144.83	
For >1,000 To 2,000, Deduct	-219.00	
For >2,000 To 5,000, Deduct	-357.42	
For >5,000, Deduct	-593.37	
33 01 30 72-0285 LF 37.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	3,089.36	
For Vinylster Resin, Add	2,055.18	
For Epoxy Resin, Add	242.22	
For Up To >10, Add	1,928.16	
For >10 To 25, Add	1,117.47	
For >25 To 50, Add	817.28	
For >50 To 100, Add	408.64	
For >500 To 1,000, Deduct	-158.30	
For >1,000 To 2,000, Deduct	-239.37	
For >2,000 To 5,000, Deduct	-390.66	
For >5,000, Deduct	-648.55	

**33 Utilities****33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

33 01 30 72-0286	LF 37.5mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	3,350.01	
	For Vinlyester Resin, Add	2,230.03	
	For Epoxy Resin, Add	262.83	
	For Up To >10, Add	2,085.63	
	For >10 To 25, Add	1,207.07	
	For >25 To 50, Add	883.53	
	For >50 To 100, Add	441.76	
	For >500 To 1,000, Deduct	-171.61	
	For >1,000 To 2,000, Deduct	-259.46	
	For >2,000 To 5,000, Deduct	-423.35	
	For >5,000, Deduct	-702.85	
33 01 30 72-0287	LF 37.5mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	3,615.07	
	For Vinlyester Resin, Add	2,404.89	
	For Epoxy Resin, Add	283.43	
	For Up To >10, Add	2,256.34	
	For >10 To 25, Add	1,307.69	
	For >25 To 50, Add	956.39	
	For >50 To 100, Add	478.20	
	For >500 To 1,000, Deduct	-185.24	
	For >1,000 To 2,000, Deduct	-280.11	
	For >2,000 To 5,000, Deduct	-457.15	
	For >5,000, Deduct	-758.92	
33 01 30 72-0288	LF 37.5mm Lining 90" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	3,877.91	
	For Vinlyester Resin, Add	2,579.74	
	For Epoxy Resin, Add	304.04	
	For Up To >10, Add	2,420.38	
	For >10 To 25, Add	1,402.76	
	For >25 To 50, Add	1,025.92	
	For >50 To 100, Add	512.96	
	For >500 To 1,000, Deduct	-198.71	
	For >1,000 To 2,000, Deduct	-300.47	
	For >2,000 To 5,000, Deduct	-490.38	
	For >5,000, Deduct	-814.10	
33 01 30 72-0289	LF 37.5mm Lining 96" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	4,140.63	
	For Vinlyester Resin, Add	2,754.58	
	For Epoxy Resin, Add	324.65	
	For Up To >10, Add	2,584.09	
	For >10 To 25, Add	1,497.56	
	For >25 To 50, Add	1,095.29	
	For >50 To 100, Add	547.64	
	For >500 To 1,000, Deduct	-212.17	
	For >1,000 To 2,000, Deduct	-320.82	
	For >2,000 To 5,000, Deduct	-523.59	
	For >5,000, Deduct	-869.23	
33 01 30 72-0290	LF 37.5mm Lining 102" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	4,403.49	
	For Vinlyester Resin, Add	2,929.44	
	For Epoxy Resin, Add	345.26	
	For Up To >10, Add	2,748.20	
	For >10 To 25, Add	1,592.68	
	For >25 To 50, Add	1,164.85	
	For >50 To 100, Add	582.43	
	For >500 To 1,000, Deduct	-225.64	
	For >1,000 To 2,000, Deduct	-341.19	
	For >2,000 To 5,000, Deduct	-556.83	
	For >5,000, Deduct	-924.41	
33 01 30 72-0291	LF 37.5mm Lining 108" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	4,666.33	
	For Vinlyester Resin, Add	3,104.29	
	For Epoxy Resin, Add	365.86	
	For Up To >10, Add	2,912.24	
	For >10 To 25, Add	1,687.75	
	For >25 To 50, Add	1,234.39	
	For >50 To 100, Add	617.19	
	For >500 To 1,000, Deduct	-239.11	
	For >1,000 To 2,000, Deduct	-361.56	
	For >2,000 To 5,000, Deduct	-590.07	
	For >5,000, Deduct	-979.59	
33 01 30 72-0292	39mm Thick Lining Cured In-Place Pipe (33 01 30 72-0015)		
33 01 30 72-0293	LF 39mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,565.13	
	For Vinlyester Resin, Add	1,044.53	
	For Epoxy Resin, Add	123.11	
	For Up To >10, Add	964.92	
	For >10 To 25, Add	555.40	
	For >25 To 50, Add	407.85	
	For >50 To 100, Add	203.92	
	For >500 To 1,000, Deduct	-80.08	
	For >1,000 To 2,000, Deduct	-121.03	
	For >2,000 To 5,000, Deduct	-197.30	
	For >5,000, Deduct	-327.61	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0294 LF 39mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,837.58	
For Vinlyester Resin, Add	1,226.38	
For Epoxy Resin, Add	144.54	
For Up To >10, Add	1,132.82	
For >10 To 25, Add	652.02	
For >25 To 50, Add	478.81	
For >50 To 100, Add	239.40	
For >500 To 1,000, Deduct	-94.02	
For >1,000 To 2,000, Deduct	-142.10	
For >2,000 To 5,000, Deduct	-231.64	
For >5,000, Deduct	-384.64	
33 01 30 72-0295 LF 39mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,110.05	
For Vinlyester Resin, Add	1,408.23	
For Epoxy Resin, Add	165.97	
For Up To >10, Add	1,300.78	
For >10 To 25, Add	748.69	
For >25 To 50, Add	549.80	
For >50 To 100, Add	274.90	
For >500 To 1,000, Deduct	-107.96	
For >1,000 To 2,000, Deduct	-163.17	
For >2,000 To 5,000, Deduct	-265.99	
For >5,000, Deduct	-441.67	
33 01 30 72-0296 LF 39mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,382.49	
For Vinlyester Resin, Add	1,590.06	
For Epoxy Resin, Add	187.40	
For Up To >10, Add	1,468.67	
For >10 To 25, Add	845.31	
For >25 To 50, Add	620.76	
For >50 To 100, Add	310.38	
For >500 To 1,000, Deduct	-121.90	
For >1,000 To 2,000, Deduct	-184.24	
For >2,000 To 5,000, Deduct	-300.32	
For >5,000, Deduct	-498.69	
33 01 30 72-0297 LF 39mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,655.07	
For Vinlyester Resin, Add	1,771.91	
For Epoxy Resin, Add	208.83	
For Up To >10, Add	1,636.96	
For >10 To 25, Add	942.25	
For >25 To 50, Add	691.92	
For >50 To 100, Add	345.96	
For >500 To 1,000, Deduct	-135.85	
For >1,000 To 2,000, Deduct	-205.32	
For >2,000 To 5,000, Deduct	-334.70	
For >5,000, Deduct	-555.77	
33 01 30 72-0298 LF 39mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,934.25	
For Vinlyester Resin, Add	1,953.76	
For Epoxy Resin, Add	230.26	
For Up To >10, Add	1,825.05	
For >10 To 25, Add	1,055.70	
For >25 To 50, Add	772.97	
For >50 To 100, Add	386.49	
For >500 To 1,000, Deduct	-150.29	
For >1,000 To 2,000, Deduct	-227.23	
For >2,000 To 5,000, Deduct	-370.72	
For >5,000, Deduct	-615.48	
33 01 30 72-0299 LF 39mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	3,207.35	
For Vinlyester Resin, Add	2,135.60	
For Epoxy Resin, Add	251.70	
For Up To >10, Add	1,994.90	
For >10 To 25, Add	1,153.94	
For >25 To 50, Add	844.91	
For >50 To 100, Add	422.45	
For >500 To 1,000, Deduct	-164.28	
For >1,000 To 2,000, Deduct	-248.38	
For >2,000 To 5,000, Deduct	-405.23	
For >5,000, Deduct	-672.77	
33 01 30 72-0300 LF 39mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	3,480.46	
For Vinlyester Resin, Add	2,317.45	
For Epoxy Resin, Add	273.13	
For Up To >10, Add	2,164.78	
For >10 To 25, Add	1,252.21	
For >25 To 50, Add	916.86	
For >50 To 100, Add	458.43	
For >500 To 1,000, Deduct	-178.27	
For >1,000 To 2,000, Deduct	-269.53	
For >2,000 To 5,000, Deduct	-439.73	
For >5,000, Deduct	-730.06	

**33 Utilities****33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 01 30 72-0301	LF 39mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	3,753.67	
	For Vinlyester Resin, Add	2,499.29	
	For Epoxy Resin, Add	294.56	
	For Up To >10, Add	2,334.99	
	For >10 To 25, Add	1,350.75	
	For >25 To 50, Add	988.97	
	For >50 To 100, Add	494.49	
	For >500 To 1,000, Deduct	-192.27	
	For >1,000 To 2,000, Deduct	-290.69	
	For >2,000 To 5,000, Deduct	-474.26	
	For >5,000, Deduct	-787.39	
33 01 30 72-0302	LF 39mm Lining 90" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	4,026.77	
	For Vinlyester Resin, Add	2,681.13	
	For Epoxy Resin, Add	315.99	
	For Up To >10, Add	2,504.84	
	For >10 To 25, Add	1,449.00	
	For >25 To 50, Add	1,060.91	
	For >50 To 100, Add	530.45	
	For >500 To 1,000, Deduct	-206.25	
	For >1,000 To 2,000, Deduct	-311.84	
	For >2,000 To 5,000, Deduct	-508.77	
	For >5,000, Deduct	-844.67	
33 01 30 72-0303	LF 39mm Lining 96" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	4,299.87	
	For Vinlyester Resin, Add	2,862.98	
	For Epoxy Resin, Add	337.42	
	For Up To >10, Add	2,674.69	
	For >10 To 25, Add	1,547.24	
	For >25 To 50, Add	1,132.84	
	For >50 To 100, Add	566.42	
	For >500 To 1,000, Deduct	-220.24	
	For >1,000 To 2,000, Deduct	-332.99	
	For >2,000 To 5,000, Deduct	-543.27	
	For >5,000, Deduct	-901.95	
33 01 30 72-0304	LF 39mm Lining 102" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	4,572.97	
	For Vinlyester Resin, Add	3,044.83	
	For Epoxy Resin, Add	358.85	
	For Up To >10, Add	2,844.54	
	For >10 To 25, Add	1,645.49	
	For >25 To 50, Add	1,204.78	
	For >50 To 100, Add	602.39	
	For >500 To 1,000, Deduct	-234.23	
	For >1,000 To 2,000, Deduct	-354.13	
	For >2,000 To 5,000, Deduct	-577.78	
	For >5,000, Deduct	-959.24	
33 01 30 72-0305	LF 39mm Lining 108" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	4,846.08	
	For Vinlyester Resin, Add	3,226.67	
	For Epoxy Resin, Add	360.29	
	For Up To >10, Add	3,014.42	
	For >10 To 25, Add	1,743.76	
	For >25 To 50, Add	1,276.73	
	For >50 To 100, Add	638.37	
	For >500 To 1,000, Deduct	-248.22	
	For >1,000 To 2,000, Deduct	-375.28	
	For >2,000 To 5,000, Deduct	-612.28	
	For >5,000, Deduct	-1,016.53	
33 01 30 72-0306	LF 39mm Lining 114" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	5,119.17	
	For Vinlyester Resin, Add	3,408.51	
	For Epoxy Resin, Add	401.72	
	For Up To >10, Add	3,184.26	
	For >10 To 25, Add	1,842.00	
	For >25 To 50, Add	1,348.67	
	For >50 To 100, Add	674.33	
	For >500 To 1,000, Deduct	-262.21	
	For >1,000 To 2,000, Deduct	-396.43	
	For >2,000 To 5,000, Deduct	-646.78	
	For >5,000, Deduct	-1,073.81	
33 01 30 72-0307	LF 39mm Lining 120" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	5,392.27	
	For Vinlyester Resin, Add	3,590.36	
	For Epoxy Resin, Add	423.15	
	For Up To >10, Add	3,354.11	
	For >10 To 25, Add	1,940.25	
	For >25 To 50, Add	1,420.60	
	For >50 To 100, Add	710.30	
	For >500 To 1,000, Deduct	-276.19	
	For >1,000 To 2,000, Deduct	-417.58	
	For >2,000 To 5,000, Deduct	-681.29	
	For >5,000, Deduct	-1,131.09	

33 01 30 72-0308 40.5mm Thick Lining Cured In-Place Pipe (33 01 30 72-0015)





<b>Utilities</b>	<b>33</b>	<b>CS</b>	
<b>Operation and Maintenance of Utilities</b>			<b>33 01</b>
<b>Operation and Maintenance of Sewer Utilities</b>			<b>33 01 30</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0309 LF 40.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,903.87	
For Vinlyester Resin, Add	1,271.69	
For Epoxy Resin, Add	149.88	
For Up To >10, Add	1,169.86	
For >10 To 25, Add	672.10	
For >25 To 50, Add	494.10	
For >50 To 100, Add	247.05	
For >500 To 1,000, Deduct	-97.37	
For >1,000 To 2,000, Deduct	-147.15	
For >2,000 To 5,000, Deduct	-239.80	
For >5,000, Deduct	-398.21	
33 01 30 72-0310 LF 40.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,186.57	
For Vinlyester Resin, Add	1,460.52	
For Epoxy Resin, Add	172.13	
For Up To >10, Add	1,343.56	
For >10 To 25, Add	771.89	
For >25 To 50, Add	567.46	
For >50 To 100, Add	283.73	
For >500 To 1,000, Deduct	-111.83	
For >1,000 To 2,000, Deduct	-169.00	
For >2,000 To 5,000, Deduct	-275.40	
For >5,000, Deduct	-457.34	
33 01 30 72-0311 LF 40.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,469.82	
For Vinlyester Resin, Add	1,649.37	
For Epoxy Resin, Add	194.39	
For Up To >10, Add	1,517.24	
For >10 To 25, Add	871.66	
For >25 To 50, Add	640.81	
For >50 To 100, Add	320.40	
For >500 To 1,000, Deduct	-126.29	
For >1,000 To 2,000, Deduct	-190.85	
For >2,000 To 5,000, Deduct	-311.01	
For >5,000, Deduct	-516.46	
33 01 30 72-0312 LF 40.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,751.97	
For Vinlyester Resin, Add	1,838.20	
For Epoxy Resin, Add	216.65	
For Up To >10, Add	1,690.91	
For >10 To 25, Add	971.43	
For >25 To 50, Add	714.16	
For >50 To 100, Add	357.08	
For >500 To 1,000, Deduct	-140.75	
For >1,000 To 2,000, Deduct	-212.70	
For >2,000 To 5,000, Deduct	-346.61	
For >5,000, Deduct	-575.59	
33 01 30 72-0313 LF 40.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	3,041.67	
For Vinlyester Resin, Add	2,027.05	
For Epoxy Resin, Add	238.90	
For Up To >10, Add	1,885.56	
For >10 To 25, Add	1,088.67	
For >25 To 50, Add	797.99	
For >50 To 100, Add	399.00	
For >500 To 1,000, Deduct	-155.73	
For >1,000 To 2,000, Deduct	-235.42	
For >2,000 To 5,000, Deduct	-383.97	
For >5,000, Deduct	-637.51	
33 01 30 72-0314 LF 40.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	3,325.00	
For Vinlyester Resin, Add	2,215.88	
For Epoxy Resin, Add	261.16	
For Up To >10, Add	2,061.15	
For >10 To 25, Add	1,190.04	
For >25 To 50, Add	872.30	
For >50 To 100, Add	436.15	
For >500 To 1,000, Deduct	-170.24	
For >1,000 To 2,000, Deduct	-257.35	
For >2,000 To 5,000, Deduct	-419.73	
For >5,000, Deduct	-696.89	
33 01 30 72-0315 LF 40.5mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	3,608.36	
For Vinlyester Resin, Add	2,404.72	
For Epoxy Resin, Add	283.41	
For Up To >10, Add	2,236.81	
For >10 To 25, Add	1,291.45	
For >25 To 50, Add	946.64	
For >50 To 100, Add	473.32	
For >500 To 1,000, Deduct	-184.74	
For >1,000 To 2,000, Deduct	-279.28	
For >2,000 To 5,000, Deduct	-455.50	
For >5,000, Deduct	-756.28	

**33 Utilities**  
**33 01 Operation and Maintenance of Utilities**  
**33 01 30 Operation and Maintenance of Sewer Utilities**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30	72-0316	LF	40.5mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	3,891.71	
			<i>For Vinlyester Resin, Add</i>	2,593.56	
			<i>For Epoxy Resin, Add</i>	305.67	
			<i>For Up To &gt;10, Add</i>	2,412.43	
			<i>For &gt;10 To 25, Add</i>	1,392.85	
			<i>For &gt;25 To 50, Add</i>	1,020.96	
			<i>For &gt;50 To 100, Add</i>	510.48	
			<i>For &gt;500 To 1,000, Deduct</i>	-199.25	
			<i>For &gt;1,000 To 2,000, Deduct</i>	-301.21	
			<i>For &gt;2,000 To 5,000, Deduct</i>	-491.27	
			<i>For &gt;5,000, Deduct</i>	-815.67	
33 01 30	72-0317	LF	40.5mm Lining 90" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	4,175.06	
			<i>For Vinlyester Resin, Add</i>	2,782.40	
			<i>For Epoxy Resin, Add</i>	327.93	
			<i>For Up To &gt;10, Add</i>	2,588.06	
			<i>For &gt;10 To 25, Add</i>	1,494.24	
			<i>For &gt;25 To 50, Add</i>	1,095.29	
			<i>For &gt;50 To 100, Add</i>	547.64	
			<i>For &gt;500 To 1,000, Deduct</i>	-213.76	
			<i>For &gt;1,000 To 2,000, Deduct</i>	-323.14	
			<i>For &gt;2,000 To 5,000, Deduct</i>	-527.03	
			<i>For &gt;5,000, Deduct</i>	-875.05	
33 01 30	72-0318	LF	40.5mm Lining 96" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	4,458.41	
			<i>For Vinlyester Resin, Add</i>	2,971.23	
			<i>For Epoxy Resin, Add</i>	350.18	
			<i>For Up To &gt;10, Add</i>	2,763.68	
			<i>For &gt;10 To 25, Add</i>	1,595.63	
			<i>For &gt;25 To 50, Add</i>	1,169.61	
			<i>For &gt;50 To 100, Add</i>	584.80	
			<i>For &gt;500 To 1,000, Deduct</i>	-228.27	
			<i>For &gt;1,000 To 2,000, Deduct</i>	-345.07	
			<i>For &gt;2,000 To 5,000, Deduct</i>	-562.80	
			<i>For &gt;5,000, Deduct</i>	-934.44	
33 01 30	72-0319	LF	40.5mm Lining 102" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	4,741.75	
			<i>For Vinlyester Resin, Add</i>	3,160.07	
			<i>For Epoxy Resin, Add</i>	372.44	
			<i>For Up To &gt;10, Add</i>	2,939.28	
			<i>For &gt;10 To 25, Add</i>	1,697.00	
			<i>For &gt;25 To 50, Add</i>	1,243.92	
			<i>For &gt;50 To 100, Add</i>	621.96	
			<i>For &gt;500 To 1,000, Deduct</i>	-242.77	
			<i>For &gt;1,000 To 2,000, Deduct</i>	-367.00	
			<i>For &gt;2,000 To 5,000, Deduct</i>	-598.57	
			<i>For &gt;5,000, Deduct</i>	-993.82	
33 01 30	72-0320	LF	40.5mm Lining 108" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	5,025.11	
			<i>For Vinlyester Resin, Add</i>	3,348.91	
			<i>For Epoxy Resin, Add</i>	394.69	
			<i>For Up To &gt;10, Add</i>	3,114.93	
			<i>For &gt;10 To 25, Add</i>	1,798.42	
			<i>For &gt;25 To 50, Add</i>	1,318.26	
			<i>For &gt;50 To 100, Add</i>	659.13	
			<i>For &gt;500 To 1,000, Deduct</i>	-257.28	
			<i>For &gt;1,000 To 2,000, Deduct</i>	-388.93	
			<i>For &gt;2,000 To 5,000, Deduct</i>	-634.34	
			<i>For &gt;5,000, Deduct</i>	-1,053.21	
33 01 30	72-0321	LF	40.5mm Lining 114" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	5,308.45	
			<i>For Vinlyester Resin, Add</i>	3,537.75	
			<i>For Epoxy Resin, Add</i>	416.95	
			<i>For Up To &gt;10, Add</i>	3,290.53	
			<i>For &gt;10 To 25, Add</i>	1,899.78	
			<i>For &gt;25 To 50, Add</i>	1,392.57	
			<i>For &gt;50 To 100, Add</i>	696.28	
			<i>For &gt;500 To 1,000, Deduct</i>	-271.79	
			<i>For &gt;1,000 To 2,000, Deduct</i>	-410.86	
			<i>For &gt;2,000 To 5,000, Deduct</i>	-670.10	
			<i>For &gt;5,000, Deduct</i>	-1,112.59	
33 01 30	72-0322	LF	40.5mm Lining 120" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	5,591.81	
			<i>For Vinlyester Resin, Add</i>	3,726.59	
			<i>For Epoxy Resin, Add</i>	439.21	
			<i>For Up To &gt;10, Add</i>	3,466.18	
			<i>For &gt;10 To 25, Add</i>	2,001.20	
			<i>For &gt;25 To 50, Add</i>	1,466.91	
			<i>For &gt;50 To 100, Add</i>	733.45	
			<i>For &gt;500 To 1,000, Deduct</i>	-286.29	
			<i>For &gt;1,000 To 2,000, Deduct</i>	-432.79	
			<i>For &gt;2,000 To 5,000, Deduct</i>	-705.87	
			<i>For &gt;5,000, Deduct</i>	-1,171.98	

33 01 30 72-0323 42mm Thick Lining Cured In-Place Pipe (33 01 30 72-0015)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0324 LF 42mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,262.77	
For Vinlyester Resin, Add	1,512.69	
For Epoxy Resin, Add	178.28	
For Up To >10, Add	1,385.84	
For >10 To 25, Add	794.70	
For >25 To 50, Add	584.87	
For >50 To 100, Add	292.43	
For >500 To 1,000, Deduct	-115.68	
For >1,000 To 2,000, Deduct	-174.80	
For >2,000 To 5,000, Deduct	-284.76	
For >5,000, Deduct	-472.91	
33 01 30 72-0325 LF 42mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,555.72	
For Vinlyester Resin, Add	1,708.53	
For Epoxy Resin, Add	201.36	
For Up To >10, Add	1,565.29	
For >10 To 25, Add	897.61	
For >25 To 50, Add	660.61	
For >50 To 100, Add	330.30	
For >500 To 1,000, Deduct	-130.66	
For >1,000 To 2,000, Deduct	-197.43	
For >2,000 To 5,000, Deduct	-321.63	
For >5,000, Deduct	-534.14	
33 01 30 72-0326 LF 42mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,848.68	
For Vinlyester Resin, Add	1,904.36	
For Epoxy Resin, Add	224.44	
For Up To >10, Add	1,744.77	
For >10 To 25, Add	1,000.55	
For >25 To 50, Add	736.36	
For >50 To 100, Add	368.18	
For >500 To 1,000, Deduct	-145.64	
For >1,000 To 2,000, Deduct	-220.06	
For >2,000 To 5,000, Deduct	-358.50	
For >5,000, Deduct	-595.37	
33 01 30 72-0327 LF 42mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	3,148.74	
For Vinlyester Resin, Add	2,100.19	
For Epoxy Resin, Add	247.52	
For Up To >10, Add	1,945.55	
For >10 To 25, Add	1,121.24	
For >25 To 50, Add	822.76	
For >50 To 100, Add	411.38	
For >500 To 1,000, Deduct	-161.15	
For >1,000 To 2,000, Deduct	-243.58	
For >2,000 To 5,000, Deduct	-397.15	
For >5,000, Deduct	-659.44	
33 01 30 72-0328 LF 42mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	3,442.35	
For Vinlyester Resin, Add	2,296.03	
For Epoxy Resin, Add	270.60	
For Up To >10, Add	2,126.95	
For >10 To 25, Add	1,225.79	
For >25 To 50, Add	899.47	
For >50 To 100, Add	449.74	
For >500 To 1,000, Deduct	-176.18	
For >1,000 To 2,000, Deduct	-266.29	
For >2,000 To 5,000, Deduct	-434.18	
For >5,000, Deduct	-720.93	
33 01 30 72-0329 LF 42mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	3,735.94	
For Vinlyester Resin, Add	2,491.85	
For Epoxy Resin, Add	293.68	
For Up To >10, Add	2,308.35	
For >10 To 25, Add	1,330.32	
For >25 To 50, Add	976.18	
For >50 To 100, Add	488.09	
For >500 To 1,000, Deduct	-191.20	
For >1,000 To 2,000, Deduct	-289.00	
For >2,000 To 5,000, Deduct	-471.21	
For >5,000, Deduct	-782.42	
33 01 30 72-0330 LF 42mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	4,029.54	
For Vinlyester Resin, Add	2,687.69	
For Epoxy Resin, Add	316.76	
For Up To >10, Add	2,489.75	
For >10 To 25, Add	1,434.86	
For >25 To 50, Add	1,052.90	
For >50 To 100, Add	526.45	
For >500 To 1,000, Deduct	-206.23	
For >1,000 To 2,000, Deduct	-311.72	
For >2,000 To 5,000, Deduct	-508.24	
For >5,000, Deduct	-843.91	

**33 Utilities****33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

33 01 30 72-0331	LF	42mm Lining 90" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	4,323.15	
		For Vinlyester Resin, Add	2,883.52	
		For Epoxy Resin, Add	339.84	
		For Up To >10, Add	2,671.15	
		For >10 To 25, Add	1,539.41	
		For >25 To 50, Add	1,129.61	
		For >50 To 100, Add	564.80	
		For >500 To 1,000, Deduct	-221.25	
		For >1,000 To 2,000, Deduct	-334.43	
		For >2,000 To 5,000, Deduct	-545.28	
		For >5,000, Deduct	-905.40	
33 01 30 72-0332	LF	42mm Lining 96" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	4,616.74	
		For Vinlyester Resin, Add	3,079.36	
		For Epoxy Resin, Add	362.92	
		For Up To >10, Add	2,852.52	
		For >10 To 25, Add	1,643.92	
		For >25 To 50, Add	1,206.31	
		For >50 To 100, Add	603.15	
		For >500 To 1,000, Deduct	-236.28	
		For >1,000 To 2,000, Deduct	-357.14	
		For >2,000 To 5,000, Deduct	-582.30	
		For >5,000, Deduct	-966.88	
33 01 30 72-0333	LF	42mm Lining 102" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	4,910.34	
		For Vinlyester Resin, Add	3,275.19	
		For Epoxy Resin, Add	386.00	
		For Up To >10, Add	3,033.92	
		For >10 To 25, Add	1,748.46	
		For >25 To 50, Add	1,283.02	
		For >50 To 100, Add	641.51	
		For >500 To 1,000, Deduct	-251.30	
		For >1,000 To 2,000, Deduct	-379.85	
		For >2,000 To 5,000, Deduct	-619.34	
		For >5,000, Deduct	-1,028.37	
33 01 30 72-0334	LF	42mm Lining 108" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	5,203.94	
		For Vinlyester Resin, Add	3,471.02	
		For Epoxy Resin, Add	409.08	
		For Up To >10, Add	3,215.32	
		For >10 To 25, Add	1,853.00	
		For >25 To 50, Add	1,359.73	
		For >50 To 100, Add	679.87	
		For >500 To 1,000, Deduct	-266.33	
		For >1,000 To 2,000, Deduct	-402.56	
		For >2,000 To 5,000, Deduct	-656.37	
		For >5,000, Deduct	-1,089.86	
33 01 30 72-0335	LF	42mm Lining 114" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	5,497.54	
		For Vinlyester Resin, Add	3,666.85	
		For Epoxy Resin, Add	432.16	
		For Up To >10, Add	3,396.72	
		For >10 To 25, Add	1,957.54	
		For >25 To 50, Add	1,436.44	
		For >50 To 100, Add	718.22	
		For >500 To 1,000, Deduct	-281.36	
		For >1,000 To 2,000, Deduct	-425.27	
		For >2,000 To 5,000, Deduct	-693.40	
		For >5,000, Deduct	-1,151.34	
33 01 30 72-0336	LF	42mm Lining 120" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	5,791.14	
		For Vinlyester Resin, Add	3,862.68	
		For Epoxy Resin, Add	455.24	
		For Up To >10, Add	3,578.12	
		For >10 To 25, Add	2,062.08	
		For >25 To 50, Add	1,513.15	
		For >50 To 100, Add	756.58	
		For >500 To 1,000, Deduct	-296.38	
		For >1,000 To 2,000, Deduct	-447.99	
		For >2,000 To 5,000, Deduct	-730.43	
		For >5,000, Deduct	-1,212.83	

**33 01 30 74 Cured-in-Place Lateral Lining (33 01 30)**

33 01 30 74-0001 Laterals; Cutting, Grouting And Reinstatement (33 01 30 74)

33 01 30 74-0002 Lateral Reinstatement/Reconnection (33 01 30 74-0001)

33 01 30 74-0003	EA	Cut Liner For Laterals, Up To 4" (Robotic)	533.90
33 01 30 74-0004	EA	Cut Liner For Laterals, 6" (Robotic)	577.19
33 01 30 74-0005	EA	Cut Liner For Laterals, 8" (Robotic)	613.26
33 01 30 74-0006	EA	Cut Liner For Laterals, 10" (Robotic)	649.34
33 01 30 74-0007	EA	Cut Liner For Laterals, 12" (Robotic)	685.42

33 01 30 74-0008 Grout Lateral Service (33 01 30 74-0001)

33 01 30 74-0009 Grout Lateral Service - Bladder (33 01 30 74-0008)

33 01 30 74-0010	EA	Grout Up To 4" Lateral Service - Bladder	562.96
33 01 30 74-0011	EA	Grout 6" Lateral Service - Bladder	646.78
33 01 30 74-0012	EA	Grout 8" Lateral Service - Bladder	730.60



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>33 01 30 74-0013</b> <b>Grout Lateral Service - Robotic Trowel Application</b> <small>(33 01 30 74-0008)</small>		
33 01 30 74-0014    EA    Grout 3" To 6" Lateral Service - Robotic Trowel Application.....	613.84	
33 01 30 74-0015    EA    Grout 8" To 12" Lateral Service - Robotic Trowel Application.....	664.71	
<b>33 01 30 74-0016</b> <b>Lateral T-Liner</b> <small>(33 01 30 74-0001)</small>		
Note: As manufactured by LMK.		
33 01 30 74-0017    EA    Up To 4" Lateral T-Liner .....	764.53	
33 01 30 74-0018    EA    6" Lateral T-Liner .....	858.37	
33 01 30 74-0019    EA    8" Lateral T-Liner .....	998.92	
<b>33 01 30 74-0020</b> <b>Lining Lateral Pipe</b> <small>(33 01 30 74-0001)</small>		
<b>33 01 30 74-0021</b> <b>Lining Lateral Pipe</b> <small>(33 01 30 74-0020)</small>		
33 01 30 74-0022    LF    6mm Lining 3" Lateral Pipe With Cured In-Place Pipe (CIPP).....	38.78	
For 7.5mm, Add	4.37	
For 9 mm, Add	8.64	
33 01 30 74-0023    LF    6mm Lining 4" Lateral Pipe With Cured In-Place Pipe (CIPP).....	46.41	
For 7.5mm, Add	5.95	
For 9 mm, Add	11.76	
33 01 30 74-0024    LF    6mm Lining 6" Lateral Pipe With Cured In-Place Pipe (CIPP).....	60.70	
For 7.5mm, Add	9.11	
For 9 mm, Add	18.01	
<b>33 01 30 74-0025</b> <b>Lining Manhole Drop</b> <small>(33 01 30 74-0020)</small>		
33 01 30 74-0026    EA    Manhole Drop Section Lining.....	835.61	
<b>33 01 30 79</b> <b>Fold-and-Form Pipe Lining</b> <small>(33 01 30)</small>		
<b>33 01 30 79-0001</b> <b>Form and Fold Relining Underground Pipelines</b> <small>(33 01 30 79)</small>		
Note: Excludes CCTV inspection and sewer cleaning. See CSI section 33 01 30 11-0000 for CCTV inspection, 33 01 30 41-0002 for sewer cleaning.		
<b>33 01 30 79-0002</b> <b>Fold-And-Form Relining Underground Pipelines Set-Up And Reinsertion</b> <small>(33 01 30 79-0001)</small>		
33 01 30 79-0003    EA    Initial Set Up And Final Equipment Removal For Fold-And-Form Relining Underground Pipelines.....	5,173.30	
33 01 30 79-0004    EA    Move And Reset Up At Different Access/Location For Fold-And-Form Relining Underground Pipelines .....	2,069.32	
<b>33 01 30 79-0005</b> <b>Form And Fold Polyethylene (PE) Pipeliner</b> <small>(33 01 30 79-0001)</small>		
33 01 30 79-0006    LF    4" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5 .....	60.94	
For DR 26 Pipe Liner, Add	12.46	
For Up To 75, Add	26.61	
For >75 To 150, Add	13.30	
For >500 To 1,000, Deduct	-0.83	
For >1,000 To 2,000, Deduct	-1.66	
For >2,000, Deduct	-3.33	
33 01 30 79-0007    LF    6" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5 .....	79.65	
For DR 26 Pipe Liner, Add	16.93	
For DR 35 Pipe Liner, Deduct	-8.46	
For Up To 75, Add	31.45	
For >75 To 150, Add	15.73	
For >500 To 1,000, Deduct	-0.90	
For >1,000 To 2,000, Deduct	-1.79	
For >2,000, Deduct	-3.58	
33 01 30 79-0008    LF    8" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5 .....	81.91	
For DR 26 Pipe Liner, Add	17.24	
For DR 35 Pipe Liner, Deduct	-8.62	
For Up To 75, Add	33.20	
For >75 To 150, Add	16.60	
For >500 To 1,000, Deduct	-0.97	
For >1,000 To 2,000, Deduct	-1.94	
For >2,000, Deduct	-3.88	
33 01 30 79-0009    LF    10" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5 .....	117.56	
For DR 26 Pipe Liner, Add	25.86	
For DR 35 Pipe Liner, Deduct	-12.93	
For DR 41 Pipe Liner, Deduct	-25.86	
For Up To 75, Add	41.86	
For >75 To 150, Add	20.93	
For >500 To 1,000, Deduct	-1.06	
For >1,000 To 2,000, Deduct	-2.12	
For >2,000, Deduct	-4.23	

**33 Utilities****33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 01 30 79-0010	LF 12" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5	166.94	
	<i>For DR 26 Pipe Liner, Add</i>	37.86	
	<i>For DR 35 Pipe Liner, Deduct</i>	-18.93	
	<i>For DR 41 Pipe Liner, Deduct</i>	-37.86	
	<i>For Up To 75, Add</i>	53.56	
	<i>For &gt;75 To 150, Add</i>	26.78	
	<i>For &gt;500 To 1,000, Deduct</i>	-1.16	
	<i>For &gt;1,000 To 2,000, Deduct</i>	-2.33	
	<i>For &gt;2,000, Deduct</i>	-4.66	
33 01 30 79-0011	LF 15" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5	230.81	
	<i>For DR 35 Pipe Liner, Deduct</i>	-26.65	
	<i>For DR 41 Pipe Liner, Deduct</i>	-53.30	
	<i>For Up To 75, Add</i>	69.08	
	<i>For &gt;75 To 150, Add</i>	34.54	
	<i>For &gt;500 To 1,000, Deduct</i>	-1.32	
	<i>For &gt;1,000 To 2,000, Deduct</i>	-2.64	
	<i>For &gt;2,000, Deduct</i>	-5.29	
33 01 30 79-0012	LF 18" Diameter Form and Fold Polyethylene Pipeliner, DR 35	329.01	
	<i>For DR 41 Pipe Liner, Deduct</i>	-30.91	
	<i>For DR 50 Pipe Liner, Deduct</i>	-61.82	
	<i>For Up To 75, Add</i>	91.67	
	<i>For &gt;75 To 150, Add</i>	45.84	
	<i>For &gt;500 To 1,000, Deduct</i>	-1.49	
	<i>For &gt;1,000 To 2,000, Deduct</i>	-2.99	
	<i>For &gt;2,000, Deduct</i>	-5.97	
33 01 30 79-0013	LF 21" Diameter Form and Fold Polyethylene Pipeliner, DR 47	372.67	
	<i>For DR 50 Pipe Liner, Deduct</i>	-52.67	
	<i>For DR 55 Pipe Liner, Deduct</i>	-87.78	
	<i>For Up To 75, Add</i>	102.56	
	<i>For &gt;75 To 150, Add</i>	51.28	
	<i>For &gt;500 To 1,000, Deduct</i>	-1.62	
	<i>For &gt;1,000 To 2,000, Deduct</i>	-3.23	
	<i>For &gt;2,000, Deduct</i>	-6.47	
33 01 30 79-0014	LF 24" Diameter Form and Fold Polyethylene Pipeliner, DR 55	456.14	
	<i>For DR 60 Pipe Liner, Deduct</i>	-64.89	
	<i>For Up To 75, Add</i>	121.80	
	<i>For &gt;75 To 150, Add</i>	60.90	
	<i>For &gt;500 To 1,000, Deduct</i>	-1.76	
	<i>For &gt;1,000 To 2,000, Deduct</i>	-3.53	
	<i>For &gt;2,000, Deduct</i>	-7.06	

**33 01 30 79-0015 Form And Fold Polyvinyl Chloride (PVC) Pipeliner (33 01 30 79-0001)**

33 01 30 79-0016	LF 4" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5	65.64	
	<i>For Up To 75, Add</i>	27.55	
	<i>For &gt;75 To 150, Add</i>	13.77	
	<i>For &gt;500 To 1,000, Deduct</i>	-0.83	
	<i>For &gt;1,000 To 2,000, Deduct</i>	-1.66	
	<i>For &gt;2,000, Deduct</i>	-3.33	
	<i>For DR 26 Pipe Liner, Add</i>	13.64	
33 01 30 79-0017	LF 6" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5	79.65	
	<i>For Up To 75, Add</i>	31.45	
	<i>For &gt;75 To 150, Add</i>	15.73	
	<i>For &gt;500 To 1,000, Deduct</i>	-0.90	
	<i>For &gt;1,000 To 2,000, Deduct</i>	-1.79	
	<i>For &gt;2,000, Deduct</i>	-3.58	
	<i>For DR 26 Pipe Liner, Add</i>	16.93	
	<i>For DR 35 Pipe Liner, Deduct</i>	-8.46	
33 01 30 79-0018	LF 8" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5	88.18	
	<i>For Up To 75, Add</i>	34.46	
	<i>For &gt;75 To 150, Add</i>	17.23	
	<i>For &gt;500 To 1,000, Deduct</i>	-0.97	
	<i>For &gt;1,000 To 2,000, Deduct</i>	-1.94	
	<i>For &gt;2,000, Deduct</i>	-3.88	
	<i>For DR 26 Pipe Liner, Add</i>	18.81	
	<i>For DR 35 Pipe Liner, Deduct</i>	-9.41	
33 01 30 79-0019	LF 10" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5	126.97	
	<i>For Up To 75, Add</i>	43.74	
	<i>For &gt;75 To 150, Add</i>	21.87	
	<i>For &gt;500 To 1,000, Deduct</i>	-1.06	
	<i>For &gt;1,000 To 2,000, Deduct</i>	-2.12	
	<i>For &gt;2,000, Deduct</i>	-4.23	
	<i>For DR 26 Pipe Liner, Add</i>	28.22	
	<i>For DR 35 Pipe Liner, Deduct</i>	-14.11	
	<i>For DR 41 Pipe Liner, Deduct</i>	-28.22	
33 01 30 79-0020	LF 12" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5	181.05	
	<i>For Up To 75, Add</i>	56.39	
	<i>For &gt;75 To 150, Add</i>	28.19	
	<i>For &gt;500 To 1,000, Deduct</i>	-1.16	
	<i>For &gt;1,000 To 2,000, Deduct</i>	-2.33	
	<i>For &gt;2,000, Deduct</i>	-4.66	
	<i>For DR 26 Pipe Liner, Add</i>	41.38	
	<i>For DR 35 Pipe Liner, Deduct</i>	-20.69	
	<i>For DR 41 Pipe Liner, Deduct</i>	-41.38	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 79-0021 LF 15" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5.....	250.87	
For Up To 75, Add	73.09	
For >75 To 150, Add	36.55	
For >500 To 1,000, Deduct	-1.32	
For >1,000 To 2,000, Deduct	-2.64	
For >2,000, Deduct	-5.29	
For DR 35 Pipe Liner, Deduct	-29.16	
For DR 41 Pipe Liner, Deduct	-58.31	
33 01 30 79-0022 LF 18" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 35.....	358.47	
For Up To 75, Add	97.56	
For >75 To 150, Add	48.78	
For >500 To 1,000, Deduct	-1.49	
For >1,000 To 2,000, Deduct	-2.99	
For >2,000, Deduct	-5.97	
For DR 41 Pipe Liner, Deduct	-33.86	
For DR 50 Pipe Liner, Deduct	-67.71	
33 01 30 79-0023 LF 21" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 47.....	405.28	
For Up To 75, Add	109.08	
For >75 To 150, Add	54.54	
For >500 To 1,000, Deduct	-1.62	
For >1,000 To 2,000, Deduct	-3.23	
For >2,000, Deduct	-6.47	
For DR 50 Pipe Liner, Deduct	-57.56	
For DR 55 Pipe Liner, Deduct	-95.93	
33 01 30 79-0024 LF 24" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 55.....	497.52	
For Up To 75, Add	130.08	
For >75 To 150, Add	65.04	
For >500 To 1,000, Deduct	-1.76	
For >1,000 To 2,000, Deduct	-3.53	
For >2,000, Deduct	-7.06	
For DR 60 Pipe Liner, Deduct	-71.10	
<b>33 01 30 81 Manhole Rehabilitation (33 01 30)</b>		
33 01 30 81-0001 Restoration And Rehabilitation Of Manholes (33 01 30 81)		
Note: Work is in confined spaces.		
33 01 30 81-0002 Inspection And Ventilation System Set-up (33 01 30 81-0001)		
33 01 30 81-0003 EA Inspect Manhole .....	182.04	
33 01 30 81-0004 EA 36" to 60" Diameter, Up To 2600", Installation And Maintenance Of Ventilation System .....	14,621.28	
Note: For internal inspection and repair of water mains.		
33 01 30 81-0005 EA Installation And Maintenance Of Ventilation System, 60" to 108" diameter to 2,600' .....	20,740.96	
Note: For internal inspection and repair of water mains		
33 01 30 81-0006 Manhole Seals (33 01 30 81-0001)		
33 01 30 81-0007 Internal Manhole Chimney Seals (33 01 30 81-0006)		
Note: Cretex.		
33 01 30 81-0008 EA 20" Internal Manhole Chimney Seal.....	547.53	
33 01 30 81-0009 EA 22" Internal Manhole Chimney Seal.....	577.13	
33 01 30 81-0010 EA 24" Internal Manhole Chimney Seal.....	591.93	
33 01 30 81-0011 EA 26" Internal Manhole Chimney Seal.....	680.71	
33 01 30 81-0012 EA 28" Internal Manhole Chimney Seal.....	769.51	
33 01 30 81-0013 EA 30" Internal Manhole Chimney Seal.....	858.29	
33 01 30 81-0014 EA 36" Internal Manhole Chimney Seal.....	1,035.87	
33 01 30 81-0015 External Manhole Encapsulation (33 01 30 81-0006)		
Note: Wrapidseal.		
33 01 30 81-0016 EA 24" External Manhole Encapsulation .....	799.10	
33 01 30 81-0017 EA 30" External Manhole Encapsulation .....	843.50	
33 01 30 81-0018 EA 36" External Manhole Encapsulation .....	902.69	
33 01 30 81-0019 EA 42" External Manhole Encapsulation .....	976.68	
33 01 30 81-0020 EA 48" External Manhole Encapsulation .....	1,080.26	
33 01 30 81-0021 EA 54" External Manhole Encapsulation .....	1,198.65	
33 01 30 81-0022 EA 60" External Manhole Encapsulation .....	1,346.63	
33 01 30 81-0023 Manhole Crack Repair (33 01 30 81-0001)		
Note: Includes removing loose materials and cleaning.		
33 01 30 81-0024 LF Up To 1/4" Wide, Epoxy Grout Injection, Manhole Crack Repair.....	53.90	
33 01 30 81-0025 LF >1/4" To 1/2" Wide, Epoxy Grout Injection, Manhole Crack Repair.....	72.64	
33 01 30 81-0026 LF Up To 1/4" Wide, Urethane Grout Injection, Manhole Crack Repair .....	50.59	
33 01 30 81-0027 LF >1/4" To 1/2" Wide, Urethane Grout Injection, Manhole Crack Repair .....	68.70	
33 01 30 81-0028 Manhole Patching (33 01 30 81-0001)		
Note: Includes removing loose materials and cleaning.		
33 01 30 81-0029 SF Up To 1/4" Thick, Cementitious Grout, Manhole Patching.....	17.46	
33 01 30 81-0030 SF Up To 1/4" Thick, Epoxy Grout, Manhole Patching.....	40.31	

**33 Utilities****33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

<b>33 01 30 81-0031</b>	<b>Manhole Joint Restoration</b> <small>(33 01 30 81-0001)</small>		
	Note: Includes drilling holes at joints, fill joints with grout.		
33 01 30 81-0032	EA 3' Diameter Joint Restoration, Grout Fill Per Each Manhole.....	2,355.38	
	Note: Includes two (2) joints sections to be grouted and two (2) pipe connections.		
	<i>For Grouting Each Additional Manhole Joint Section, Add</i>	226.24	
33 01 30 81-0033	EA 3-1/2' Diameter Joint Restoration, Grout Fill Per Each Manhole.....	2,749.65	
	Note: Includes two (2) joints sections to be grouted and two (2) pipe connections.		
	<i>For Grouting Each Additional Manhole Joint Section, Add</i>	251.45	
33 01 30 81-0034	EA 4' Diameter Joint Restoration, Grout Fill Per Each Manhole.....	3,140.51	
	Note: Includes two (2) joints sections to be grouted and two (2) pipe connections.		
	<i>For Grouting Each Additional Manhole Joint Section, Add</i>	276.66	
33 01 30 81-0035	EA 5' Diameter Joint Restoration, Grout Fill Per Each Manhole.....	3,738.29	
	Note: Includes two (2) joints sections to be grouted and two (2) pipe connections.		
	<i>For Grouting Each Additional Manhole Joint Section, Add</i>	289.26	
33 01 30 81-0036	EA 6' Diameter Joint Restoration, Grout Fill Per Each Manhole.....	4,334.35	
	Note: Includes two (2) joints sections to be grouted and two (2) pipe connections.		
	<i>For Grouting Each Additional Manhole Joint Section, Add</i>	301.87	
<b>33 01 30 81-0037</b>	<b>Step Installation In Existing Manholes</b> <small>(33 01 30 81-0001)</small>		
	Note: Including drilling in existing concrete manhole, step and grout. Demolition cost includes removal of old step and patching holes.		
33 01 30 81-0038	EA Drill And Grout 7" x 9" Cast Iron Manhole Steps.....	162.02	21.23
33 01 30 81-0039	EA Drill And Grout 8" x 9" Cast Iron Manhole Steps.....	178.19	21.23
33 01 30 81-0040	EA Drill And Grout Galvanized Steel Manhole Step.....	120.78	21.23
33 01 30 81-0041	EA Bolt On Galvanized Steel Manhole Step.....	131.25	21.23
33 01 30 81-0042	EA Drill And Grout Aluminum Manhole Step.....	148.62	21.23
33 01 30 81-0043	EA Drill And Insert Polypropylene Manhole Step.....	67.53	16.99
<b>33 01 30 81-0044</b>	<b>Invert Restoration</b> <small>(33 01 30 81-0001)</small>		
	Note: Includes removal of existing defective material and installation of new material.		
<b>33 01 30 81-0045</b>	<b>Concrete Invert Restoration</b> <small>(33 01 30 81-0044)</small>		
33 01 30 81-0046	EA 2' Diameter, Concrete Invert Restoration.....	370.89	
33 01 30 81-0047	EA 3' Diameter, Concrete Invert Restoration.....	416.39	
33 01 30 81-0048	EA 4' Diameter, Concrete Invert Restoration.....	461.90	
33 01 30 81-0049	EA 5' Diameter, Concrete Invert Restoration.....	507.41	
33 01 30 81-0050	EA 6' Diameter, Concrete Invert Restoration.....	643.94	
33 01 30 81-0051	SF Square Or Rectangular, Concrete Invert Restoration.....	36.73	
<b>33 01 30 81-0052</b>	<b>Brick Invert Restoration</b> <small>(33 01 30 81-0044)</small>		
33 01 30 81-0053	EA 2' Diameter, Brick Invert Restoration.....	607.80	
33 01 30 81-0054	EA 3' Diameter, Brick Invert Restoration.....	653.31	
33 01 30 81-0055	EA 4' Diameter, Brick Invert Restoration.....	698.82	
33 01 30 81-0056	EA 5' Diameter, Brick Invert Restoration.....	744.33	
33 01 30 81-0057	EA 6' Diameter, Brick Invert Restoration.....	789.84	
33 01 30 81-0058	SF Square Or Rectangular, Brick Invert Restoration.....	51.24	
<b>33 01 30 81-0059</b>	<b>Repair In-Kind Of Drainage Structures</b> <small>(33 01 30 81)</small>		
	Note: For brick, concrete or concrete block catch basins, inlets, manholes, and other drainage structures. Includes replacing bricks or concrete blocks, concrete repair, sealing and repairing joints, excavation, backfilling, pavement removal, restoration of pavement and all tasks to perform interior and/or exterior repair in-kind. Sizes are inside dimensions. For other sizes, use closest size.		
33 01 30 81-0060	VLF 2' Diameter, Repair In-Kind Drainage Structure.....	822.86	
33 01 30 81-0061	VLF 3' Diameter, Repair In-Kind Drainage Structure.....	1,234.30	
33 01 30 81-0062	VLF 4' Diameter, Repair In-Kind Drainage Structure.....	1,645.84	
33 01 30 81-0063	VLF 5' Diameter, Repair In-Kind Drainage Structure.....	2,057.16	
33 01 30 81-0064	VLF 6' Diameter, Repair In-Kind Drainage Structure.....	2,468.60	
33 01 30 81-0065	VLF 2' x 2', Repair In-Kind Drainage Structure.....	1,048.24	
33 01 30 81-0066	VLF 2' x 3', Repair In-Kind Drainage Structure.....	1,310.29	
33 01 30 81-0067	VLF 2' x 4', Repair In-Kind Drainage Structure.....	1,572.35	
33 01 30 81-0068	VLF 3' x 4', Repair In-Kind Drainage Structure.....	1,834.41	
33 01 30 81-0069	VLF 4' x 4', Repair In-Kind Drainage Structure.....	2,096.47	
33 01 30 81-0070	VLF 4' x 5', Repair In-Kind Drainage Structure.....	2,358.53	
33 01 30 81-0071	VLF 4' x 6', Repair In-Kind Drainage Structure.....	2,620.59	
33 01 30 81-0072	VLF 4' x 8', Repair In-Kind Drainage Structure.....	3,144.71	
33 01 30 81-0073	VLF >32 GSF, Repair In-Kind Drainage Structure.....	3,668.82	

**33 01 30 82 Epoxy Lining for Concrete Manholes** (33 01 30)33 01 30 82-0001 Epoxy Manhole Restoration, Interior (33 01 30 82)





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 82-0002 VLF 60 Mil Epoxy Restoration Of 3' Diameter Manhole Interior .....	344.57	
<i>For 80 Mil Material, Add</i>	41.60	
<i>For 100 Mil Material, Add</i>	83.20	
<i>For 125 Mil Material, Add</i>	129.88	
<i>For 150 Mil Material, Add</i>	176.56	
<i>For 200 Mil Material, Add</i>	255.74	
<i>For 2 To 5 Manholes, Deduct</i>	-24.32	
<i>For 6 To 10 Manholes, Deduct</i>	-40.02	
<i>For &gt;10 Manholes, Deduct</i>	-80.04	
33 01 30 82-0003 VLF 60 Mil Epoxy Restoration Of 3-1/2' Diameter Manhole Interior .....	417.82	
<i>For 80 Mil Material, Add</i>	49.73	
<i>For 100 Mil Material, Add</i>	99.47	
<i>For 125 Mil Material, Add</i>	155.14	
<i>For 150 Mil Material, Add</i>	210.81	
<i>For 200 Mil Material, Add</i>	304.62	
<i>For 2 To 5 Manholes, Deduct</i>	-29.56	
<i>For 6 To 10 Manholes, Deduct</i>	-48.67	
<i>For &gt;10 Manholes, Deduct</i>	-97.33	
33 01 30 82-0004 VLF 60 Mil Epoxy Restoration Of 4' Diameter Manhole Interior .....	459.43	
<i>For 80 Mil Material, Add</i>	55.46	
<i>For 100 Mil Material, Add</i>	110.93	
<i>For 125 Mil Material, Add</i>	173.17	
<i>For 150 Mil Material, Add</i>	235.41	
<i>For 200 Mil Material, Add</i>	340.99	
<i>For 2 To 5 Manholes, Deduct</i>	-32.42	
<i>For 6 To 10 Manholes, Deduct</i>	-53.36	
<i>For &gt;10 Manholes, Deduct</i>	-106.73	
33 01 30 82-0005 VLF 60 Mil Epoxy Restoration Of 5' Diameter Manhole Interior .....	574.35	
<i>For 80 Mil Material, Add</i>	69.35	
<i>For 100 Mil Material, Add</i>	138.70	
<i>For 125 Mil Material, Add</i>	216.53	
<i>For 150 Mil Material, Add</i>	294.36	
<i>For 200 Mil Material, Add</i>	426.38	
<i>For 2 To 5 Manholes, Deduct</i>	-40.53	
<i>For 6 To 10 Manholes, Deduct</i>	-66.71	
<i>For &gt;10 Manholes, Deduct</i>	-133.42	
33 01 30 82-0006 VLF 60 Mil Epoxy Restoration Of 6' Diameter Manhole Interior .....	689.20	
<i>For 80 Mil Material, Add</i>	83.22	
<i>For 100 Mil Material, Add</i>	166.43	
<i>For 125 Mil Material, Add</i>	259.82	
<i>For 150 Mil Material, Add</i>	353.21	
<i>For 200 Mil Material, Add</i>	511.62	
<i>For 2 To 5 Manholes, Deduct</i>	-48.64	
<i>For 6 To 10 Manholes, Deduct</i>	-80.05	
<i>For &gt;10 Manholes, Deduct</i>	-160.10	
<b>33 01 30 83 Lining for Concrete Manholes (33 01 30)</b>		
33 01 30 83-0001 Manhole Lining (33 01 30 83)		
Note: Includes power washing and cleaning of manhole interiors.		
33 01 30 83-0002 Cementitious Manhole Restoration, Interior (33 01 30 83-0001)		
33 01 30 83-0003 VLF 1/2" Cementitious Restoration On 3' Diameter Manhole Interior .....	149.49	
<i>For Each Additional 1/2" Thick Material, Add</i>	38.76	
<i>For 2 To 5 Manholes, Deduct</i>	-10.47	
<i>For 6 To 10 Manholes, Deduct</i>	-17.20	
<i>For &gt;10 Manholes, Deduct</i>	-34.40	
33 01 30 83-0004 VLF 1/2" Cementitious Restoration On 3-1/2' Diameter Manhole Interior .....	173.36	
<i>For Each Additional 1/2" Thick Material, Add</i>	45.11	
<i>For 2 To 5 Manholes, Deduct</i>	-12.13	
<i>For 6 To 10 Manholes, Deduct</i>	-19.93	
<i>For &gt;10 Manholes, Deduct</i>	-39.87	
33 01 30 83-0005 VLF 1/2" Cementitious Restoration On 4' Diameter Manhole Interior .....	197.23	
<i>For Each Additional 1/2" Thick Material, Add</i>	51.47	
<i>For 2 To 5 Manholes, Deduct</i>	-13.80	
<i>For 6 To 10 Manholes, Deduct</i>	-22.67	
<i>For &gt;10 Manholes, Deduct</i>	-45.34	
33 01 30 83-0006 VLF 1/2" Cementitious Restoration On 5' Diameter Manhole Interior .....	232.59	
<i>For Each Additional 1/2" Thick Material, Add</i>	63.13	
<i>For 2 To 5 Manholes, Deduct</i>	-16.20	
<i>For 6 To 10 Manholes, Deduct</i>	-26.58	
<i>For &gt;10 Manholes, Deduct</i>	-53.16	
33 01 30 83-0007 VLF 1/2" Cementitious Restoration On 6' Diameter Manhole Interior .....	254.87	
<i>For Each Additional 1/2" Thick Material, Add</i>	73.10	
<i>For 2 To 5 Manholes, Deduct</i>	-17.63	
<i>For 6 To 10 Manholes, Deduct</i>	-28.88	
<i>For &gt;10 Manholes, Deduct</i>	-57.77	
33 01 30 83-0008 Polyurethane Manhole Restoration, Interior (33 01 30 83-0001)		

**33 Utilities****33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 83-0009 VLF 60 Mil Polyurethane Restoration Of 3' Diameter Manhole Interior .....	304.87	
For 80 Mil Material, Add	28.37	
For 100 Mil Material, Add	56.73	
For 125 Mil Material, Add	86.87	
For 150 Mil Material, Add	117.01	
For 200 Mil Material, Add	163.11	
For 2 To 5 Manholes, Deduct	-22.33	
For 6 To 10 Manholes, Deduct	-37.04	
For >10 Manholes, Deduct	-74.09	
33 01 30 83-0010 VLF 60 Mil Polyurethane Restoration Of 3-1/2' Diameter Manhole Interior .....	371.44	
For 80 Mil Material, Add	34.27	
For 100 Mil Material, Add	68.55	
For 125 Mil Material, Add	104.89	
For 150 Mil Material, Add	141.24	
For 200 Mil Material, Add	196.60	
For 2 To 5 Manholes, Deduct	-27.24	
For 6 To 10 Manholes, Deduct	-45.19	
For >10 Manholes, Deduct	-90.38	
33 01 30 83-0011 VLF 60 Mil Polyurethane Restoration Of 4' Diameter Manhole Interior .....	406.50	
For 80 Mil Material, Add	37.82	
For 100 Mil Material, Add	75.64	
For 125 Mil Material, Add	115.83	
For 150 Mil Material, Add	156.02	
For 200 Mil Material, Add	217.49	
For 2 To 5 Manholes, Deduct	-29.78	
For 6 To 10 Manholes, Deduct	-49.39	
For >10 Manholes, Deduct	-98.79	
33 01 30 83-0012 VLF 60 Mil Polyurethane Restoration Of 5' Diameter Manhole Interior .....	508.13	
For 80 Mil Material, Add	47.28	
For 100 Mil Material, Add	94.56	
For 125 Mil Material, Add	144.79	
For 150 Mil Material, Add	195.03	
For 200 Mil Material, Add	271.87	
For 2 To 5 Manholes, Deduct	-37.22	
For 6 To 10 Manholes, Deduct	-61.74	
For >10 Manholes, Deduct	-123.48	
33 01 30 83-0013 VLF 60 Mil Polyurethane Restoration Of 6' Diameter Manhole Interior .....	609.75	
For 80 Mil Material, Add	56.73	
For 100 Mil Material, Add	113.47	
For 125 Mil Material, Add	173.75	
For 150 Mil Material, Add	234.03	
For 200 Mil Material, Add	326.24	
For 2 To 5 Manholes, Deduct	-44.67	
For 6 To 10 Manholes, Deduct	-74.09	
For >10 Manholes, Deduct	-148.18	
<b>33 01 30 83-0014 Multiplexx™ PVCP Cured-In-Place (CIP) Lining Manhole Restoration, Interior</b> <small>(33 01 30 83-0001)</small>		
33 01 30 83-0015 VLF 3' Diameter, Multiplexx™ PVCP Cured-In-Place (CIP) Manhole Liner For Existing Manhole .....	556.94	
For 2 To 5 Manholes, Deduct	-32.21	
For 6 To 10 Manholes, Deduct	-50.50	
For >10 Manholes, Deduct	-101.00	
33 01 30 83-0016 VLF 3-1/2' Diameter, Multiplexx™ PVCP Cured-In-Place (CIP) Manhole Liner For Existing Manhole .....	682.07	
For 2 To 5 Manholes, Deduct	-39.44	
For 6 To 10 Manholes, Deduct	-61.83	
For >10 Manholes, Deduct	-123.65	
33 01 30 83-0017 VLF 4' Diameter, Multiplexx™ PVCP Cured-In-Place (CIP) Manhole Liner For Existing Manhole .....	804.73	
For 2 To 5 Manholes, Deduct	-46.06	
For 6 To 10 Manholes, Deduct	-71.99	
For >10 Manholes, Deduct	-143.99	
33 01 30 83-0018 VLF 5' Diameter, Multiplexx™ PVCP Cured-In-Place (CIP) Manhole Liner For Existing Manhole .....	1,009.25	
For 2 To 5 Manholes, Deduct	-57.74	
For 6 To 10 Manholes, Deduct	-90.24	
For >10 Manholes, Deduct	-180.49	
33 01 30 83-0019 VLF 6' Diameter, Multiplexx™ PVCP Cured-In-Place (CIP) Manhole Liner For Existing Manhole .....	1,213.76	
For 2 To 5 Manholes, Deduct	-69.42	
For 6 To 10 Manholes, Deduct	-108.49	
For >10 Manholes, Deduct	-216.98	
<b>33 01 30 86 Manhole Rim Adjustment</b> <small>(33 01 30)</small>		
33 01 30 86-0001 Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Risers <small>(33 01 30 86)</small>		
33 01 30 86-0002 Up To 6" Rise, Up To 26" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Risers <small>(33 01 30 86-0001)</small>		
33 01 30 86-0003 EA Up To 2" Rise, Up To 26" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser .....	367.09	
33 01 30 86-0004 EA >2" To 3" Rise, Up To 26" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser .....	413.04	
33 01 30 86-0005 EA >3" To 4" Rise, Up To 26" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser .....	454.78	
33 01 30 86-0006 EA >4" To 5" Rise, Up To 26" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser .....	502.08	
33 01 30 86-0007 EA >5" To 6" Rise, Up To 26" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser .....	540.51	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>33 01 30 86-0008</b>			<b>Up To 6" Rise, &gt;26" To 32-1/2" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser</b> <small>(33 01 30 86-0001)</small>		
33 01 30 86-0009	EA		Up To 2" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser .....	431.84	
33 01 30 86-0010	EA		>2 To 3" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser .....	470.78	
33 01 30 86-0011	EA		>3" To 4" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser.....	519.75	
33 01 30 86-0012	EA		>4" To 5" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser.....	567.04	
33 01 30 86-0013	EA		>5" To 6" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser.....	612.66	

<b>33 01 30 86-0014</b>			<b>Up To 6" Rise, &gt;32-1/2" To 36" Diameter, Adjustable Or Solid Manhole Risers</b> <small>(33 01 30 86-0001)</small>		
33 01 30 86-0015	EA		Up To 4" Rise, >32-1/2" To 36" Diameter, Solid Manhole Risers .....	495.47	
33 01 30 86-0016	EA		>4" To 5" Rise, >32-1/2" To 36" Diameter, Solid Manhole Risers.....	523.65	
33 01 30 86-0017	EA		>5" To 6" Rise, >32-1/2" To 36" Diameter, Solid Manhole Risers.....	553.89	

<b>33 01 30 86-0018</b>			<b>&gt;6" To 12" Rise, &gt;32-1/2" To 36" Diameter, Solid, Cast Iron, Manhole Cover Risers</b> <small>(33 01 30 86-0001)</small>		
33 01 30 86-0019	EA		>6" To 6-1/2" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser.....	603.09	
33 01 30 86-0020	EA		7" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser .....	655.99	
33 01 30 86-0021	EA		7-1/2" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser .....	709.74	
33 01 30 86-0022	EA		8" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser .....	752.53	
33 01 30 86-0023	EA		9" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser .....	817.84	
33 01 30 86-0024	EA		10" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser .....	877.20	
33 01 30 86-0025	EA		11" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser .....	935.32	
33 01 30 86-0026	EA		12" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser .....	994.68	

<b>33 01 30 86-0027</b>			<b>&gt;12" Rise, Solid Manhole Risers</b> <small>(33 01 30 86)</small>		
<b>33 01 30 86-0028</b>			<b>Precast Concrete Manhole Riser</b> <small>(33 01 30 86-0027)</small>		
33 01 30 86-0029	VLF		Up To 26" Diameter Precast Concrete Manhole Riser.....	116.75	
33 01 30 86-0030	VLF		>26" To 36" Diameter Precast Concrete Manhole Riser.....	139.29	
33 01 30 86-0031	VLF		>36" To 48" Diameter Precast Concrete Manhole Riser.....	177.85	
33 01 30 86-0032	VLF		>48" To 60" Diameter Precast Concrete Manhole Riser.....	363.16	
33 01 30 86-0033	VLF		>60" To 72" Diameter Precast Concrete Manhole Riser.....	531.89	

**33 01 70 Operation and Maintenance of Electrical Utilities** (33 01)

<b>33 01 70 51</b>			<b>Electrical Utility Visual Inspection</b> <small>(33 01 70)</small>		
<b>33 01 70 51-0001</b>			<b>Video Camera Inspection Of Gas Piping and Electrical Duct</b> <small>(33 01 70 51)</small>		
<b>33 01 70 51-0002</b>			<b>Video Camera Set-up</b> <small>(33 01 70 51-0001)</small>		
33 01 70 51-0003	EA		Up To 12" Diameter, Initial Set Up For Video Inspection, Gas Pipe Or Electrical Duct.....	269.91	
33 01 70 51-0004	EA		>12" To 48" Diameter, Initial Set Up For Video Inspection, Gas Pipe.....	303.65	
33 01 70 51-0005	EA		Up To 12" Diameter, Re-Set Up/Move For Video Inspection, Gas Pipe Or Electrical Duct.....	67.47	
33 01 70 51-0006	EA		>12" To 48" Diameter, Re-Set Up/Move For Video Inspection, Gas Pipe.....	101.22	
<b>33 01 70 51-0007</b>			<b>Video Camera Inspection Of Gas Pipe Or Electrical Duct</b> <small>(33 01 70 51-0001)</small>		
33 01 70 51-0008	LF		Up To 12" Diameter, Video Inspection, Gas Pipe Or Electrical Duct .....	1.04	
			For >1,000 To 5,000, Deduct	-0.05	
			For >5,000, Deduct	-0.10	
33 01 70 51-0009	LF		>12" To 48" Diameter, Video Inspection, Gas Pipe .....	1.61	
			For >1,000 To 5,000, Deduct	-0.08	
			For >5,000, Deduct	-0.16	

**33 01 70 72 Cured-in-Place Conduit Lining** (33 01 70)

<b>33 01 70 72-0001</b>			<b>Lining Conduit With Cured In-Place (CIP) Liner</b> <small>(33 01 70 72)</small>		
			Note: Cured in-place thermosetting resin pipe and resin impregnated tube. Excludes video camera inspection and cleaning.		
<b>33 01 70 72-0002</b>			<b>2mm Thick Cured In-Place Conduit Lining</b> <small>(33 01 70 72-0001)</small>		
33 01 70 72-0003	LF		1-1/2" Conduit Lined With 2mm Thick Cured In-Place (CIP) Lining.....	7.30	
			For Up To >10, Add	14.00	
			For >10 To 25, Add	11.14	
			For >25 To 50, Add	6.84	
			For >50 To 100, Add	3.42	
			For >500 To 1,000, Deduct	-0.47	
			For >1,000 To 2,000, Deduct	-0.75	
			For >2,000 To 5,000, Deduct	-1.41	
			For >5,000, Deduct	-2.29	

**33 Utilities****33 01 Operation and Maintenance of Utilities****33 01 70 Operation and Maintenance of Electrical Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 70 72-0004 LF 2" Conduit Lined With 2mm Thick Cured In-Place (CIP) Lining .....	8.93	
For Up To >10, Add	16.12	
For >10 To 25, Add	12.72	
For >25 To 50, Add	7.84	
For >50 To 100, Add	3.92	
For >500 To 1,000, Deduct	-0.56	
For >1,000 To 2,000, Deduct	-0.90	
For >2,000 To 5,000, Deduct	-1.68	
For >5,000, Deduct	-2.72	
33 01 70 72-0005 LF 2-1/2" Conduit Lined With 2mm Thick Cured In-Place (CIP) Lining .....	11.20	
For Up To >10, Add	20.15	
For >10 To 25, Add	15.90	
For >25 To 50, Add	9.81	
For >50 To 100, Add	4.90	
For >500 To 1,000, Deduct	-0.71	
For >1,000 To 2,000, Deduct	-1.13	
For >2,000 To 5,000, Deduct	-2.10	
For >5,000, Deduct	-3.40	
33 01 70 72-0006 LF 3" Conduit Lined With 2mm Thick Cured In-Place (CIP) Lining .....	13.21	
For Up To >10, Add	23.41	
For >10 To 25, Add	18.42	
For >25 To 50, Add	11.38	
For >50 To 100, Add	5.69	
For >500 To 1,000, Deduct	-0.83	
For >1,000 To 2,000, Deduct	-1.33	
For >2,000 To 5,000, Deduct	-2.46	
For >5,000, Deduct	-3.99	
33 01 70 72-0007 LF 3-1/2" Conduit Lined With 2mm Thick Cured In-Place (CIP) Lining .....	14.84	
For Up To >10, Add	25.52	
For >10 To 25, Add	20.00	
For >25 To 50, Add	12.38	
For >50 To 100, Add	6.19	
For >500 To 1,000, Deduct	-0.92	
For >1,000 To 2,000, Deduct	-1.48	
For >2,000 To 5,000, Deduct	-2.72	
For >5,000, Deduct	-4.42	
33 01 70 72-0008 LF 4" Conduit Lined With 2mm Thick Cured In-Place (CIP) Lining .....	16.73	
For Up To >10, Add	28.42	
For >10 To 25, Add	22.23	
For >25 To 50, Add	13.77	
For >50 To 100, Add	6.89	
For >500 To 1,000, Deduct	-1.04	
For >1,000 To 2,000, Deduct	-1.66	
For >2,000 To 5,000, Deduct	-3.05	
For >5,000, Deduct	-4.95	
33 01 70 72-0009 LF 5" Conduit Lined With 2mm Thick Cured In-Place (CIP) Lining .....	19.73	
For Up To >10, Add	31.87	
For >10 To 25, Add	24.73	
For >25 To 50, Add	15.39	
For >50 To 100, Add	7.69	
For >500 To 1,000, Deduct	-1.21	
For >1,000 To 2,000, Deduct	-1.92	
For >2,000 To 5,000, Deduct	-3.51	
For >5,000, Deduct	-5.71	
33 01 70 72-0010 LF 6" Conduit Lined With 2mm Thick Cured In-Place (CIP) Lining .....	22.72	
For Up To >10, Add	35.29	
For >10 To 25, Add	27.21	
For >25 To 50, Add	16.99	
For >50 To 100, Add	8.49	
For >500 To 1,000, Deduct	-1.38	
For >1,000 To 2,000, Deduct	-2.18	
For >2,000 To 5,000, Deduct	-3.97	
For >5,000, Deduct	-6.46	
<b>33 01 70 72-0011 3mm Thick Cured In-Place Conduit Lining</b> <small>(33 01 70 72-0001)</small>		
33 01 70 72-0012 LF 1-1/2" Conduit Lined With 3mm Thick Cured In-Place (CIP) Lining .....	8.99	
For Up To >10, Add	15.47	
For >10 To 25, Add	12.13	
For >25 To 50, Add	7.51	
For >50 To 100, Add	3.75	
For >500 To 1,000, Deduct	-0.56	
For >1,000 To 2,000, Deduct	-0.89	
For >2,000 To 5,000, Deduct	-1.65	
For >5,000, Deduct	-2.68	
33 01 70 72-0013 LF 2" Conduit Lined With 3mm Thick Cured In-Place (CIP) Lining .....	11.70	
For Up To >10, Add	19.43	
For >10 To 25, Add	15.14	
For >25 To 50, Add	9.40	
For >50 To 100, Add	4.70	
For >500 To 1,000, Deduct	-0.72	
For >1,000 To 2,000, Deduct	-1.15	
For >2,000 To 5,000, Deduct	-2.11	
For >5,000, Deduct	-3.43	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 70 72-0014 LF 2-1/2" Conduit Lined With 3mm Thick Cured In-Place (CIP) Lining.....	14.40	
For Up To >10, Add	23.38	
For >10 To 25, Add	18.16	
For >25 To 50, Add	11.29	
For >50 To 100, Add	5.65	
For >500 To 1,000, Deduct	-0.88	
For >1,000 To 2,000, Deduct	-1.40	
For >2,000 To 5,000, Deduct	-2.57	
For >5,000, Deduct	-4.17	
33 01 70 72-0015 LF 3" Conduit Lined With 3mm Thick Cured In-Place (CIP) Lining.....	16.84	
For Up To >10, Add	26.52	
For >10 To 25, Add	20.50	
For >25 To 50, Add	12.78	
For >50 To 100, Add	6.39	
For >500 To 1,000, Deduct	-1.02	
For >1,000 To 2,000, Deduct	-1.63	
For >2,000 To 5,000, Deduct	-2.96	
For >5,000, Deduct	-4.82	
33 01 70 72-0016 LF 3-1/2" Conduit Lined With 3mm Thick Cured In-Place (CIP) Lining.....	19.15	
For Up To >10, Add	29.30	
For >10 To 25, Add	22.54	
For >25 To 50, Add	14.09	
For >50 To 100, Add	7.04	
For >500 To 1,000, Deduct	-1.15	
For >1,000 To 2,000, Deduct	-1.83	
For >2,000 To 5,000, Deduct	-3.32	
For >5,000, Deduct	-5.41	
33 01 70 72-0017 LF 4" Conduit Lined With 3mm Thick Cured In-Place (CIP) Lining.....	21.59	
For Up To >10, Add	32.45	
For >10 To 25, Add	24.88	
For >25 To 50, Add	15.58	
For >50 To 100, Add	7.79	
For >500 To 1,000, Deduct	-1.30	
For >1,000 To 2,000, Deduct	-2.05	
For >2,000 To 5,000, Deduct	-3.72	
For >5,000, Deduct	-6.05	
33 01 70 72-0018 LF 5" Conduit Lined With 3mm Thick Cured In-Place (CIP) Lining.....	26.35	
For Up To >10, Add	38.40	
For >10 To 25, Add	29.29	
For >25 To 50, Add	18.39	
For >50 To 100, Add	9.19	
For >500 To 1,000, Deduct	-1.57	
For >1,000 To 2,000, Deduct	-2.48	
For >2,000 To 5,000, Deduct	-4.47	
For >5,000, Deduct	-7.29	
33 01 70 72-0019 LF 6" Conduit Lined With 3mm Thick Cured In-Place (CIP) Lining.....	30.72	
For Up To >10, Add	43.19	
For >10 To 25, Add	32.72	
For >25 To 50, Add	20.61	
For >50 To 100, Add	10.31	
For >500 To 1,000, Deduct	-1.81	
For >1,000 To 2,000, Deduct	-2.86	
For >2,000 To 5,000, Deduct	-5.13	
For >5,000, Deduct	-8.37	

### 33 05 Common Work Results for Utilities <sup>(33)</sup>

#### 33 05 07 Trenchless Installation of Utility Piping <sup>(33 05)</sup>

##### 33 05 07 13 Utility Directional Drilling <sup>(33 05 07)</sup>

##### 33 05 07 13-0001 Horizontal Augering <sup>(33 05 07 13)</sup>

Note: Excludes starting or receiving pits, dewatering, cost of casing pipe or spoils removal. See CSI section 31 23 16 36-0000 for excavation and backfill of starting or receiving pits, 33 05 07 24-0001 for casing pipe.

33 05 07 13-0002 LF Up To 2" Diameter Horizontal Hand Augering.....	24.64
33 05 07 13-0003 LF 3" Diameter Horizontal Hand Augering.....	29.73
33 05 07 13-0004 LF 4" Diameter Horizontal Hand Augering.....	40.77
33 05 07 13-0005 LF 6" Diameter Horizontal Hand Augering.....	52.66
33 05 07 13-0006 LF 8" Diameter Horizontal Augering.....	97.98
33 05 07 13-0007 LF 10" Diameter Horizontal Augering.....	142.94
33 05 07 13-0008 LF 12" Diameter Horizontal Augering.....	171.75
33 05 07 13-0009 LF 16" Diameter Horizontal Augering.....	205.18
33 05 07 13-0010 LF 20" Diameter Horizontal Augering.....	355.03
33 05 07 13-0011 LF 24" Diameter Horizontal Augering.....	446.47
33 05 07 13-0012 LF 30" Diameter Horizontal Augering.....	550.69
33 05 07 13-0013 LF 36" Diameter Horizontal Augering.....	629.18
33 05 07 13-0014 LF 42" Diameter Horizontal Augering.....	820.82
33 05 07 13-0015 LF 48" Diameter Horizontal Augering.....	884.45
33 05 07 13-0016 LF 54" Diameter Horizontal Augering.....	961.88
33 05 07 13-0017 LF 60" Diameter Horizontal Augering.....	1,008.42
33 05 07 13-0018 EA 8" To 20" Horizontal Augering Minimum Set-up Charge.....	4,149.74

Note: For projects where the total horizontal augering charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.

**33 Utilities**  
**33 05 Common Work Results for Utilities**  
**33 05 07 Trenchless Installation of Utility Piping**



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 07 13-0019 EA >20" To 36" Horizontal Augering Minimum Set-up Charge ..... Note: For projects where the total horizontal augering charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	5,661.29	
33 05 07 13-0020 EA >36" Horizontal Augering Minimum Set-up Charge ..... Note: For projects where the total horizontal augering charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	8,379.33	
<b>33 05 07 13-0021 Horizontal Directional Boring</b> <small>(33 05 07 13)</small> Note: Excludes receiving pits or dewatering or cost of casing pipe. See CSI section 31 23 16 36-0000 for excavation and backfill of starting or receiving pits, 33 05 07 24-0001 for casing pipe.		
33 05 07 13-0022 LF Up To 1-1/2" Diameter Directional Boring For Horizontal Pipe, Underground ..... <i>For Horizontal Boring Through Rock, Add</i>	13.59 9.51	
33 05 07 13-0023 LF 2" Diameter Directional Boring For Horizontal Pipe, Underground ..... <i>For Horizontal Boring Through Rock, Add</i>	20.37 14.26	
33 05 07 13-0024 LF 2-1/2" Diameter Directional Boring For Horizontal Pipe, Underground ..... <i>For Horizontal Boring Through Rock, Add</i>	28.30 19.81	
33 05 07 13-0025 LF 3" Diameter Directional Boring For Horizontal Pipe, Underground ..... <i>For Horizontal Boring Through Rock, Add</i>	35.09 24.56	
33 05 07 13-0026 LF 4" Diameter Directional Boring For Horizontal Pipe, Underground ..... <i>For Horizontal Boring Through Rock, Add</i>	41.88 29.32	
33 05 07 13-0027 LF 5" Diameter Directional Boring For Horizontal Pipe, Underground ..... <i>For Horizontal Boring Through Rock, Add</i>	48.67 34.07	
33 05 07 13-0028 LF 6" Diameter Directional Boring For Horizontal Pipe, Underground ..... <i>For Horizontal Boring Through Rock, Add</i>	56.60 39.62	
33 05 07 13-0029 LF 8" Diameter Directional Boring For Horizontal Pipe, Underground ..... <i>For Horizontal Boring Through Rock, Add</i>	69.16 48.41	
33 05 07 13-0030 LF 10" Diameter Directional Boring For Horizontal Pipe, Underground ..... <i>For Horizontal Boring Through Rock, Add</i>	74.92 52.44	
33 05 07 13-0031 LF 12" Diameter Directional Boring For Horizontal Pipe, Underground ..... <i>For Horizontal Boring Through Rock, Add</i>	80.69 56.48	
33 05 07 13-0032 LF 18" Diameter Directional Boring For Horizontal Pipe, Underground ..... <i>For Horizontal Boring Through Rock, Add</i>	167.14 117.00	
33 05 07 13-0033 LF 24" Diameter Directional Boring For Horizontal Pipe, Underground ..... <i>For Horizontal Boring Through Rock, Add</i>	263.77 184.64	
33 05 07 13-0034 LF 30" Diameter Directional Boring For Horizontal Pipe, Underground ..... <i>For Horizontal Boring Through Rock, Add</i>	402.08 281.46	
33 05 07 13-0035 LF 36" Diameter Directional Boring For Horizontal Pipe, Underground ..... <i>For Horizontal Boring Through Rock, Add</i>	643.33 450.33	
33 05 07 13-0036 EA Up To 6" Horizontal Directional Boring Minimum Set-up Charge ..... Note: For projects where the total horizontal directional boring charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	3,622.09	
33 05 07 13-0037 EA >6" To 18" Horizontal Directional Boring Minimum Set-up Charge ..... Note: For projects where the total horizontal directional boring charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	4,149.74	
33 05 07 13-0038 EA >18" To 36" Horizontal Directional Boring Minimum Set-up Charge ..... Note: For projects where the total horizontal directional boring charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	5,661.29	
<b>33 05 07 23 Utility Boring and Jacking</b> <small>(33 05 07)</small>		
<b>33 05 07 23-0001 Horizontal Jacking</b> <small>(33 05 07 23)</small> Note: Includes cost of steel casing pipe, excludes dewatering and excavation for jacking pit or receiving pit. See CSI section 31 23 16 36-0000 for excavation and backfill of starting or receiving pits.		
33 05 07 23-0002 LF Up To 2" Diameter Horizontal Jacking ..... <i>For Horizontal Jacking Through Rock, Add</i>	90.73 31.50	
33 05 07 23-0003 LF 3" Diameter Horizontal Jacking ..... <i>For Horizontal Jacking Through Rock, Add</i>	108.34 38.01	
33 05 07 23-0004 LF 4" Diameter Horizontal Jacking ..... <i>For Horizontal Jacking Through Rock, Add</i>	145.15 52.14	
33 05 07 23-0005 LF 6" Diameter Horizontal Jacking ..... <i>For Horizontal Jacking Through Rock, Add</i>	187.65 67.34	
33 05 07 23-0006 LF 8" Diameter Horizontal Jacking ..... <i>For Horizontal Jacking Through Rock, Add</i>	252.44 92.32	
33 05 07 23-0007 LF 10" Diameter Horizontal Jacking ..... <i>For Horizontal Jacking Through Rock, Add</i>	371.16 134.69	
33 05 07 23-0008 LF 12" Diameter Horizontal Jacking ..... <i>For Horizontal Jacking Through Rock, Add</i>	447.37 161.85	
33 05 07 23-0009 LF 16" Diameter Horizontal Jacking ..... <i>For Horizontal Jacking Through Rock, Add</i>	533.94 193.35	
33 05 07 23-0010 LF 20" Diameter Horizontal Jacking ..... <i>For Horizontal Jacking Through Rock, Add</i>	774.62 335.64	
33 05 07 23-0011 LF 24" Diameter Horizontal Jacking ..... <i>For Horizontal Jacking Through Rock, Add</i>	1,577.35 376.68	
33 05 07 23-0012 LF 30" Diameter Horizontal Jacking ..... <i>For Horizontal Jacking Through Rock, Add</i>	1,786.82 465.11	
33 05 07 23-0013 LF 36" Diameter Horizontal Jacking ..... <i>For Horizontal Jacking Through Rock, Add</i>	2,006.82 531.81	
33 05 07 23-0014 LF 42" Diameter Horizontal Jacking ..... <i>For Horizontal Jacking Through Rock, Add</i>	2,150.65 574.29	
33 05 07 23-0015 LF 48" Diameter Horizontal Jacking ..... <i>For Horizontal Jacking Through Rock, Add</i>	2,338.91 618.79	
33 05 07 23-0016 LF 54" Diameter Horizontal Jacking ..... <i>For Horizontal Jacking Through Rock, Add</i>	2,478.96 673.44	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 07 23-0017 EA Up To 6" Horizontal Jacking Minimum Set-up Charge..... Note: For projects where the total horizontal jacking charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	3,622.09	
33 05 07 23-0018 EA >6" To 20" Horizontal Jacking Minimum Set-up Charge ..... Note: For projects where the total horizontal jacking charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	4,149.74	
33 05 07 23-0019 EA >20" To 36" Horizontal Jacking Minimum Set-up Charge ..... Note: For projects where the total horizontal jacking charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	5,661.29	
33 05 07 23-0020 EA >36" Horizontal Jacking Minimum Set-up Charge ..... Note: For projects where the total horizontal jacking charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	8,379.33	

**33 05 07 24 Casing Piping for Utility Jacking** (33 05 07)

33 05 07 24-0001	Casing Pipe	(33 05 07 24)	Note: Casing pipe is pulled back from hook on boring auger through slurry. Costs are installed costs. Excludes boring.
33 05 07 24-0002	Steel Pipe	(33 05 07 24-0001)	
33 05 07 24-0003	LF	1-1/2" Steel Pipe Pull In Place By Boring Machine.....	38.14
		Note: Includes pipe welding.	
33 05 07 24-0004	LF	2" Steel Pipe Pull In Place By Boring Machine .....	40.28
		Note: Includes pipe welding.	
33 05 07 24-0005	LF	2-1/2" Steel Pipe Pull In Place By Boring Machine .....	43.72
		Note: Includes pipe welding.	
33 05 07 24-0006	LF	3" Steel Pipe Pull In Place By Boring Machine .....	47.23
		Note: Includes pipe welding.	
33 05 07 24-0007	LF	4" Steel Pipe Pull In Place By Boring Machine .....	60.80
		Note: Includes pipe welding.	
33 05 07 24-0008	LF	5" Steel Pipe Pull In Place By Boring Machine .....	69.29
		Note: Includes pipe welding.	
33 05 07 24-0009	LF	6" Steel Pipe Pull In Place By Boring Machine .....	77.76
		Note: Includes pipe welding.	

**33 05 07 24-0010 Polyethylene Pipe** (33 05 07 24-0001)

33 05 07 24-0011	LF	3/4" Polyethylene Pipe Pull In Place By Boring Machine .....	8.79
		Note: Includes pipe welding.	
33 05 07 24-0012	LF	1" Polyethylene Pipe Pull In Place By Boring Machine .....	9.55
		Note: Includes pipe welding.	
33 05 07 24-0013	LF	1-1/4" Polyethylene Pipe Pull In Place By Boring Machine.....	10.33
		Note: Includes pipe welding.	
33 05 07 24-0014	LF	1-1/2" Polyethylene Pipe Pull In Place By Boring Machine.....	11.05
		Note: Includes pipe welding.	
33 05 07 24-0015	LF	2" Polyethylene Pipe Pull In Place By Boring Machine .....	11.83
		Note: Includes pipe welding.	
33 05 07 24-0016	LF	2-1/2" Polyethylene Pipe Pull In Place By Boring Machine.....	12.75
		Note: Includes pipe welding.	
33 05 07 24-0017	LF	3" Polyethylene Pipe Pull In Place By Boring Machine.....	13.68
		Note: Includes pipe welding.	
33 05 07 24-0018	LF	4" Polyethylene Pipe Pull In Place By Boring Machine.....	17.04
		Note: Includes pipe welding.	
33 05 07 24-0019	LF	5" Polyethylene Pipe Pull In Place By Boring Machine.....	19.10
		Note: Includes pipe welding.	
33 05 07 24-0020	LF	6" Polyethylene Pipe Pull In Place By Boring Machine.....	21.18
		Note: Includes pipe welding.	
33 05 07 24-0021	LF	8" Polyethylene Pipe Pull In Place By Boring Machine.....	28.41
		Note: Includes pipe welding.	
33 05 07 24-0022	LF	10" Polyethylene Pipe Pull In Place By Boring Machine.....	39.81
		Note: Includes pipe welding.	

**33 05 09 Piping Specials for Utilities** (33 05)

**33 05 09 23 Adapters for Utility Piping** (33 05 09)  
See CSI section 33 14 13 53-0222 for ductile iron body adapters, 33 14 13 53-0229 for steel body adapters.

**33 05 09 33 Thrust Restraint for Utility Piping** (33 05 09)  
See CSI section 33 14 13 13-0545 for mechanical restraints, 33 14 13 13-0580 for flanged restraints, 33 14 13 13-1152 for slip-on restraints, 33 14 13 13-1168 for slip-on restraint harnesses.

**33 05 16 Cast-Iron Utility Pipe** (33 05)  
See CSI section 22 13 16 00-0019 for cast iron utility piping.

**33 05 17 Copper Utility Pipe and Tubing** (33 05)  
See CSI section 33 14 13 39-0000 for copper utility piping.

**33 05 19 Ductile-Iron Utility Pipe** (33 05)  
See CSI section 33 14 13 13-0000 for ductile iron utility piping.

**33 05 24 Steel Utility Pipe** (33 05)

**33 05 24 23 Steel Pipe for Water Service** (33 05 24)

<b>33</b>	<b>33 Utilities</b>
	<b>33 05 Common Work Results for Utilities</b>
	<b>33 05 24 Steel Utility Pipe</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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See CSI section 33 14 13 26-0000 for galvanized steel utility piping, 33 14 13 36-0000 for steel utility piping.

**33 05 27 Corrugated Metal Utility Pipe** (33 05 27)

**33 05 27 13 Corrugated Metal Culvert Pipe** (33 05 27)  
See CSI section 33 42 11 00-0468 for corrugated metal culvert pipe.

**33 05 27 23 Corrugated Metal Slotted Pipe** (33 05 27)  
See CSI section 33 41 16 13-0085 for corrugated metal slotted pipe.

**33 05 27 33 Corrugated Metal Culvert Arch Pipe** (33 05 27)  
See CSI section 33 42 11 00-0812 for corrugated metal culvert arch pipe.

**33 05 31 Thermoplastic Utility Pipe** (33 05 31)

**33 05 31 11 Polyvinyl Chloride Gravity Sewer Pipe** (33 05 31)  
See CSI section 33 31 11 00-0000 for polyvinyl chloride gravity sewer pipe.

**33 05 31 13 Polyvinyl Chloride Pressure Pipe** (33 05 31)  
See CSI section 33 14 13 23-0001 for polyvinyl chloride pressure pipe.

**33 05 31 16 Polyvinyl Chloride Pressure Pipe for Water Transmission and Distribution (AWWA C900 and AWWA C905)** (33 05 31)  
See CSI section 33 14 13 23-0171 for AWWA C900 and 905 polyvinyl chloride pressure pipe.

**33 05 33 Polyethylene Utility Pipe** (33 05 33)

**33 05 33 13 Corrugated-Wall, Smooth Interior HDPE Gravity Pipe** (33 05 33)  
See CSI section 33 42 11 00-0209 for corrugated-wall smooth interior HDPE gravity pipe.

**33 05 33 23 Polyethylene Pressure Pipe and Tubing (AWWA C901 and AWWA C906)** (33 05 33)  
See CSI section 33 14 13 23-0426 for AWWA C906 high density polyethylene pipe.

**33 05 33 33 Corrugated, Perforated HDPE Drainage Pipe** (33 05 33)  
See CSI section 33 42 11 00-0231 for corrugated perforated HDPE drainage pipe.

**33 05 33 36 Corrugated, Non-Perforated HDPE Drainage Pipe** (33 05 33)  
See CSI section 33 41 16 13-0002 for corrugated non-perforated HDPE drainage pipe.

**33 05 33 63 HDPE Communication Duct** (33 05 33)

**33 05 33 63-0001 ASTM F2160, UL 651-A, NEMA TC-7, Smoothwall HDPE Conduit, Pulled In Place By Boring Machine** (33 05 33 63)

Note: Excludes boring.

33 05 33 63-0002	LF	1" Schedule 40, ASTM F2160, UL 651-A, NEMA TC-7, Smoothwall HDPE Conduit, Pulled In Place By Boring Machine.....	3.69
		For Up To 250, Add	0.12
		For >250 To 500, Add	0.08
33 05 33 63-0003	LF	1-1/4" Schedule 40, ASTM F2160, UL 651-A, NEMA TC-7, Smoothwall HDPE Conduit, Pulled In Place By Boring Machine.....	4.14
		For Up To 250, Add	0.15
		For >250 To 500, Add	0.10
33 05 33 63-0004	LF	1-1/2" Schedule 40, ASTM F2160, UL 651-A, NEMA TC-7, Smoothwall HDPE Conduit, Pulled In Place By Boring Machine.....	4.49
		For Up To 250, Add	0.17
		For >250 To 500, Add	0.11
33 05 33 63-0005	LF	2" Schedule 40, ASTM F2160, UL 651-A, NEMA TC-7, Smoothwall HDPE Conduit, Pulled In Place By Boring Machine.....	4.94
		For Up To 250, Add	0.20
		For >250 To 500, Add	0.13
33 05 33 63-0006	LF	3" Schedule 40, ASTM F2160, UL 651-A, NEMA TC-7, Smoothwall HDPE Conduit, Pulled In Place By Boring Machine.....	6.70
		For Up To 250, Add	0.42
		For >250 To 500, Add	0.28
33 05 33 63-0007	LF	4" Schedule 40, ASTM F2160, UL 651-A, NEMA TC-7, Smoothwall HDPE Conduit, Pulled In Place By Boring Machine.....	8.50
		For Up To 250, Add	0.65
		For >250 To 500, Add	0.43
33 05 33 63-0008	LF	1" Schedule 80, ASTM F2160, UL 651-A, NEMA TC-7, Smoothwall HDPE Conduit, Pulled In Place By Boring Machine.....	3.77
		For Up To 250, Add	0.13
		For >250 To 500, Add	0.09
33 05 33 63-0009	LF	1-1/4" Schedule 80, ASTM F2160, UL 651-A, NEMA TC-7, Smoothwall HDPE Conduit, Pulled In Place By Boring Machine.....	4.30
		For Up To 250, Add	0.17
		For >250 To 500, Add	0.12
33 05 33 63-0010	LF	1-1/2" Schedule 80, ASTM F2160, UL 651-A, NEMA TC-7, Smoothwall HDPE Conduit, Pulled In Place By Boring Machine.....	4.62
		For Up To 250, Add	0.19
		For >250 To 500, Add	0.13
33 05 33 63-0011	LF	2" Schedule 80, ASTM F2160, UL 651-A, NEMA TC-7, Smoothwall HDPE Conduit, Pulled In Place By Boring Machine.....	5.27
		For Up To 250, Add	0.25
		For >250 To 500, Add	0.17
33 05 33 63-0012	LF	3" Schedule 80, ASTM F2160, UL 651-A, NEMA TC-7, Smoothwall HDPE Conduit, Pulled In Place By Boring Machine.....	7.42
		For Up To 250, Add	0.53
		For >250 To 500, Add	0.35





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 33 63-0013 LF 4" Schedule 80, ASTM F2160, UL 651-A, NEMA TC-7, Smoothwall HDPE Conduit, Pulled In Place By Boring Machine.....	9.41	
<i>For Up To 250, Add</i>	0.78	
<i>For &gt;250 To 500, Add</i>	0.52	
<b>33 05 39 Concrete Pipe</b> <small>(33 05)</small>		
<b>33 05 39 13 Prestressed Concrete Pressure Pipe, Steel-Cylinder Type (AWWA C301)</b> <small>(33 05)</small>		
<small>See CSI section 33 42 11 00-0062 for prestressed concrete pressure pipe.</small>		
<b>33 05 39 41 Reinforced Concrete Pipe for Sewers and Culverts</b> <small>(33 05 39)</small>		
<small>See CSI section 33 42 11 00-0001 for reinforced concrete pipe.</small>		
<b>33 05 41 Vitrified Clay Utility Pipe</b> <small>(33 05)</small>		
<small>See CSI section 33 42 11 00-0035 for vitrified clay piping.</small>		
<b>33 05 61 Concrete Manholes</b> <small>(33 05)</small>		
33 05 61 00-0001 Manholes <small>(33 05 61)</small>		
33 05 61 00-0002 Precast Concrete Manholes <small>(33 05 61 00-0001)</small>		
<small>Note: Includes base, riser(s), reducer and openings. Excludes excavation, aggregate, backfill and frame/cover. See CSI section 33 05 84 00-0002 for top slabs.</small>		
33 05 61 00-0003 3' Diameter, Precast Concrete Manholes <small>(33 05 61 00-0002)</small>		
33 05 61 00-0004 EA 4' Deep, 3' Diameter, Precast Concrete Manhole.....	1,671.00	285.69
<i>For Bitumastic Coating, Add</i>	79.07	
<i>For Epoxy Coating, Add</i>	151.10	
33 05 61 00-0005 EA 6' Deep, 3' Diameter, Precast Concrete Manhole.....	2,274.07	410.35
<i>For Bitumastic Coating, Add</i>	118.61	
<i>For Epoxy Coating, Add</i>	226.65	
33 05 61 00-0006 EA 8' Deep, 3' Diameter, Precast Concrete Manhole.....	3,053.76	623.33
<i>For Bitumastic Coating, Add</i>	158.14	
<i>For Epoxy Coating, Add</i>	302.20	
33 05 61 00-0007 VLF Riser For 3' Diameter, Precast Concrete Manhole.....	322.32	72.72
<small>Note: For depths greater than 8'.</small>		
<i>For Bitumastic Coating, Add</i>	19.77	
<i>For Epoxy Coating, Add</i>	37.78	
33 05 61 00-0008 VLF Drop Collar For 3' Diameter, Precast Concrete Manhole.....	348.27	72.72
33 05 61 00-0009 EA Drop Base For 3' Diameter, Precast Concrete Manhole.....	564.19	72.72
33 05 61 00-0010 EA Extended Base Slab For 3' Diameter, Precast Concrete Manhole.....	448.24	72.72
33 05 61 00-0011 EA Precast Channel For 3' Diameter, Precast Concrete Manhole.....	645.73	72.72
33 05 61 00-0012 4' Diameter, Precast Concrete Manholes <small>(33 05 61 00-0002)</small>		
33 05 61 00-0013 EA 4' Deep, 4' Diameter, Precast Concrete Manhole.....	2,480.37	327.24
<i>For Bitumastic Coating, Add</i>	79.07	
<i>For Epoxy Coating, Add</i>	151.10	
33 05 61 00-0014 EA 6' Deep, 4' Diameter, Precast Concrete Manhole.....	3,307.93	446.71
<i>For Bitumastic Coating, Add</i>	118.61	
<i>For Epoxy Coating, Add</i>	226.65	
33 05 61 00-0015 EA 8' Deep, 4' Diameter, Precast Concrete Manhole.....	4,344.12	675.27
<i>For Bitumastic Coating, Add</i>	158.14	
<i>For Epoxy Coating, Add</i>	302.20	
33 05 61 00-0016 VLF Riser For 4' Diameter, Precast Concrete Manhole.....	461.81	85.71
<small>Note: For depths greater than 8'.</small>		
<i>For Bitumastic Coating, Add</i>	19.77	
<i>For Epoxy Coating, Add</i>	37.78	
33 05 61 00-0017 VLF Drop Collar For 4' Diameter, Precast Concrete Manhole.....	504.80	85.71
33 05 61 00-0018 EA Drop Base For 4' Diameter, Precast Concrete Manhole.....	862.46	85.71
33 05 61 00-0019 EA Extended Base Slab For 4' Diameter, Precast Concrete Manhole.....	670.39	85.71
33 05 61 00-0020 EA Precast Channel For 4' Diameter, Precast Concrete Manhole.....	997.56	85.71
33 05 61 00-0021 5' Diameter, Precast Concrete Manholes <small>(33 05 61 00-0002)</small>		
33 05 61 00-0022 EA 4' Deep, 5' Diameter, Precast Concrete Manhole.....	4,729.21	363.60
<i>For Bitumastic Coating, Add</i>	101.88	
<i>For Epoxy Coating, Add</i>	243.59	
33 05 61 00-0023 EA 6' Deep, 5' Diameter, Precast Concrete Manhole.....	6,294.90	498.66
<i>For Bitumastic Coating, Add</i>	152.82	
<i>For Epoxy Coating, Add</i>	365.39	
33 05 61 00-0024 EA 8' Deep, 5' Diameter, Precast Concrete Manhole.....	8,091.82	747.99
<i>For Bitumastic Coating, Add</i>	203.76	
<i>For Epoxy Coating, Add</i>	487.18	
33 05 61 00-0025 VLF Riser For 5' Diameter, Precast Concrete Manhole.....	836.43	93.50
<small>Note: For depths greater than 8'.</small>		
<i>For Bitumastic Coating, Add</i>	25.47	
<i>For Epoxy Coating, Add</i>	60.90	
33 05 61 00-0026 6' Diameter, Precast Concrete Manholes <small>(33 05 61 00-0002)</small>		

**33 Utilities****33 05 Common Work Results for Utilities****33 05 61 Concrete Manholes**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 61 00-0027 EA 4' Deep, 6' Diameter, Precast Concrete Manhole .....	6,368.96	405.16
For Bitumastic Coating, Add	116.64	
For Epoxy Coating, Add	285.18	
33 05 61 00-0028 EA 6' Deep, 6' Diameter, Precast Concrete Manhole .....	8,288.09	550.60
For Bitumastic Coating, Add	174.96	
For Epoxy Coating, Add	427.77	
33 05 61 00-0029 EA 8' Deep, 6' Diameter, Precast Concrete Manhole .....	10,466.12	831.10
For Bitumastic Coating, Add	233.28	
For Epoxy Coating, Add	570.36	
33 05 61 00-0030 VLF Riser For 6' Diameter, Precast Concrete Manhole.....	1,018.67	103.89
Note: For depths greater than 8'.		
For Bitumastic Coating, Add	29.16	
For Epoxy Coating, Add	71.30	
<b>33 05 61 00-0031 7' Diameter, Precast Concrete Manholes (33 05 61 00-0002)</b>		
33 05 61 00-0032 EA 4' Deep, 7' Diameter, Precast Concrete Manhole .....	10,094.31	446.71
For Bitumastic Coating, Add	248.03	
For Epoxy Coating, Add	498.33	
33 05 61 00-0033 EA 6' Deep, 7' Diameter, Precast Concrete Manhole .....	13,044.58	609.30
For Bitumastic Coating, Add	372.05	
For Epoxy Coating, Add	747.50	
33 05 61 00-0034 EA 8' Deep, 7' Diameter, Precast Concrete Manhole .....	16,279.53	914.21
For Bitumastic Coating, Add	496.07	
For Epoxy Coating, Add	996.66	
33 05 61 00-0035 VLF Riser For 7' Diameter, Precast Concrete Manhole.....	1,541.11	114.28
Note: For depths greater than 8'.		
For Bitumastic Coating, Add	62.01	
For Epoxy Coating, Add	124.58	
<b>33 05 61 00-0036 8' Diameter, Precast Concrete Manholes (33 05 61 00-0002)</b>		
33 05 61 00-0037 EA 4' Deep, 8' Diameter, Precast Concrete Manhole .....	14,645.43	514.24
For Bitumastic Coating, Add	293.23	
For Epoxy Coating, Add	607.42	
33 05 61 00-0038 EA 6' Deep, 8' Diameter, Precast Concrete Manhole .....	18,980.27	701.24
For Bitumastic Coating, Add	439.85	
For Epoxy Coating, Add	911.14	
33 05 61 00-0039 EA 8' Deep, 8' Diameter, Precast Concrete Manhole .....	23,642.34	1,051.87
For Bitumastic Coating, Add	586.46	
For Epoxy Coating, Add	1,214.85	
33 05 61 00-0040 VLF Riser For 8' Diameter, Precast Concrete Manhole.....	2,240.14	129.86
Note: For depths greater than 8'.		
For Bitumastic Coating, Add	73.31	
For Epoxy Coating, Add	151.86	
<b>33 05 63 Concrete Vaults and Chambers (33 05)</b>		
<b>33 05 63 00-0001 Underground Utility Vaults And Structures (33 05 63)</b>		
See CSI section 33 05 61 00-0001 for manholes, 33 05 81 00-0006 for frames and covers.		
<b>33 05 63 00-0002 Precast Concrete Underground Utility Vault (33 05 63 00-0001)</b>		
Note: Sizes given are for inside dimensions.		
<b>33 05 63 00-0003 6' High Precast Concrete Underground Utility Vault (33 05 63 00-0002)</b>		
33 05 63 00-0004 EA 4' x 4' x 6' Precast Concrete Underground Utility Vault.....	3,385.79	
Note: 6" thick walls and 8" thick top.		
33 05 63 00-0005 EA 4' x 6' x 6' Precast Concrete Underground Utility Vault.....	4,413.40	
Note: 6" thick walls and 8" thick top.		
33 05 63 00-0006 EA 5' x 10' x 6' Precast Concrete Underground Utility Vault .....	7,281.05	
Note: 6" thick walls and 8" thick top.		
33 05 63 00-0007 EA 5' x 12' x 6' Precast Concrete Underground Utility Vault .....	8,407.18	
Note: 6" thick walls and 8" thick top.		
33 05 63 00-0008 EA 6' x 6' x 6' Precast Concrete Underground Utility Vault.....	5,640.10	
Note: 6" thick walls and 8" thick top.		
33 05 63 00-0009 EA 6' x 8' x 6' Precast Concrete Underground Utility Vault.....	6,865.73	
Note: 6" thick walls and 8" thick top.		
33 05 63 00-0010 EA 6' x 10' x 6' Precast Concrete Underground Utility Vault .....	8,092.44	
Note: 6" thick walls and 8" thick top.		
33 05 63 00-0011 EA 6' x 12' x 6' Precast Concrete Underground Utility Vault .....	11,692.01	
Note: 8" thick walls and top.		
33 05 63 00-0012 EA 6' x 14' x 6' Precast Concrete Underground Utility Vault .....	11,692.01	
Note: 8" thick walls and top.		
33 05 63 00-0013 EA 6' x 16' x 6' Precast Concrete Underground Utility Vault .....	14,722.09	
Note: 8" thick walls and top.		
33 05 63 00-0014 EA 8' x 8' x 6' Precast Concrete Underground Utility Vault.....	8,291.55	
Note: 6" thick walls and 8" thick top.		
33 05 63 00-0015 EA 8' x 10' x 6' Precast Concrete Underground Utility Vault .....	9,716.31	
Note: 6" thick walls and 8" thick top.		
33 05 63 00-0016 EA 8' x 12' x 6' Precast Concrete Underground Utility Vault .....	13,888.63	
Note: 8" thick walls and top.		
33 05 63 00-0017 EA 8' x 14' x 6' Precast Concrete Underground Utility Vault .....	15,631.59	
Note: 8" thick walls and top.		



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>33 05 63 00-0018 7' High Precast Concrete Underground Utility Vault</b> <small>(33 05 63 00-0002)</small>						
			EA	4' x 4' x 7' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	4,102.76	
			EA	4' x 6' x 7' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	5,327.31	
			EA	4' x 8' x 7' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	5,952.35	
			EA	5' x 10' x 7' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	7,920.27	
			EA	5' x 12' x 7' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	9,132.29	
			EA	6' x 6' x 7' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	6,770.96	
			EA	6' x 8' x 7' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	7,463.05	
			EA	6' x 10' x 7' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	9,658.31	
			EA	6' x 12' x 7' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	12,714.71	
			EA	6' x 16' x 7' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	15,972.16	
			EA	8' x 8' x 7' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	8,973.69	
			EA	8' x 10' x 7' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	10,483.34	
			EA	8' x 12' x 7' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	15,025.63	
			EA	8' x 14' x 7' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	16,880.61	
			EA	10' x 10' x 7' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	15,252.23	
<b>33 05 63 00-0034 8' High Precast Concrete Underground Utility Vault</b> <small>(33 05 63 00-0002)</small>						
			EA	4' x 4' x 8' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	4,067.94	
			EA	4' x 6' x 8' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	5,266.35	
			EA	5' x 10' x 8' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	8,559.45	
			EA	5' x 12' x 8' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	9,856.36	
			EA	6' x 6' x 8' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	6,662.80	
			EA	6' x 8' x 8' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	8,059.27	
			EA	6' x 10' x 8' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	9,455.76	
			EA	6' x 12' x 8' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	13,737.39	
			EA	6' x 16' x 8' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	17,222.31	
			EA	8' x 8' x 8' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	9,654.81	
			EA	8' x 10' x 8' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	11,250.36	
			EA	8' x 12' x 8' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	16,161.50	
			EA	8' x 14' x 8' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	18,130.75	
			EA	10' x 10' x 8' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	16,388.90	
<b>33 05 63 00-0049 10' High Precast Concrete Underground Utility Vault</b> <small>(33 05 63 00-0002)</small>						
			EA	6' x 6' x 10' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	7,174.17	
			EA	6' x 8' x 10' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	8,655.49	
			EA	10' x 10' x 10' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	17,524.71	
<b>33 05 63 00-0053 12' High Precast Concrete Underground Utility Vault</b> <small>(33 05 63 00-0002)</small>						
			EA	6' x 6' x 12' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	7,685.53	
			EA	6' x 8' x 12' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	9,252.79	
				<b>33 05 63 00-0056 Meter Pit</b> <small>(33 05 63 00-0001)</small>		

**33 Utilities****33 05 Common Work Results for Utilities****33 05 63 Concrete Vaults and Chambers**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0057			<b>Precast Concrete Meter Pit</b> <small>(33 05 63 00-0056)</small>		
33 05 63 00-0058	EA		4' x 4' x 4' Deep Precast Concrete Meter Pit.....	3,344.27	
33 05 63 00-0059	EA		4' x 4' x 6' Deep Precast Concrete Meter Pit.....	4,541.42	
33 05 63 00-0060	EA		4' x 4' x 8' Deep Precast Concrete Meter Pit.....	5,711.57	
33 05 63 00-0061	EA		4' x 4' x 10' Deep Precast Concrete Meter Pit.....	7,082.16	
33 05 63 00-0062	EA		4' x 4' x 15' Deep Precast Concrete Meter Pit.....	9,807.71	
33 05 63 00-0063	EA		6' x 6' x 4' Deep Precast Concrete Meter Pit.....	5,077.48	
33 05 63 00-0064	EA		6' x 6' x 6' Deep Precast Concrete Meter Pit.....	7,082.16	
33 05 63 00-0065	EA		6' x 6' x 8' Deep Precast Concrete Meter Pit.....	9,134.21	
33 05 63 00-0066	EA		6' x 6' x 10' Deep Precast Concrete Meter Pit.....	11,394.86	
33 05 63 00-0067	EA		6' x 6' x 15' Deep Precast Concrete Meter Pit.....	16,246.24	
33 05 63 00-0068			<b>Handhole Or Pull Box Enclosures</b> <small>(33 05 63 00-0001)</small>		
33 05 63 00-0069			<b>Polymer Concrete Handhole Enclosures</b> <small>(33 05 63 00-0068)</small>		
33 05 63 00-0070			<b>Polymer Concrete Handhole Enclosures</b> <small>(33 05 63 00-0069)</small>		
			Note: Excludes cover See CSI section 33 05 63 00-0290 for covers.		
33 05 63 00-0071			<b>Flared Sides, Polymer Concrete Handhole Enclosures</b> <small>(33 05 63 00-0070)</small>		
33 05 63 00-0072			<b>Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosures</b> <small>(33 05 63 00-0071)</small>		
33 05 63 00-0073	EA		12" x 12", 24" Depth, 15,000 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	459.23	22.36
33 05 63 00-0074	EA		10" x 15", 18" Depth, 15,000 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	367.26	49.67
33 05 63 00-0075	EA		13" x 24", 18" Depth, 15,000 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	561.99	74.50
33 05 63 00-0076	EA		17" x 30", 18" Depth, 15,000 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	664.91	74.50
33 05 63 00-0077	EA		13" x 24", 18" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	630.90	74.50
33 05 63 00-0078	EA		13" x 24", 26" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	779.33	74.50
33 05 63 00-0079	EA		17" x 30", 18" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	756.93	74.50
33 05 63 00-0080	EA		17" x 30", 26" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	1,057.48	74.50
33 05 63 00-0081	EA		27" Round, 36" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	1,508.22	99.34
33 05 63 00-0082	EA		27" Round, 48" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	2,155.03	99.34
33 05 63 00-0083	EA		24" x 36", 18" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	1,324.56	136.59
33 05 63 00-0084	EA		24" x 36", 26" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	1,527.12	136.59
33 05 63 00-0085	EA		24" x 36", 48" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	2,580.82	136.59
33 05 63 00-0086	EA		39" Round, 18" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	1,411.43	149.01
33 05 63 00-0087	EA		39" Round, 24" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	2,074.92	149.01
33 05 63 00-0088	EA		39" Round, 36" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	2,617.49	149.01
33 05 63 00-0089	EA		39" Round, 48" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	3,900.78	149.01
33 05 63 00-0090	EA		30" x 48", 24" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	2,046.20	241.59
33 05 63 00-0091	EA		30" x 48", 48" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	3,044.78	241.59
33 05 63 00-0092			<b>Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosures</b> <small>(33 05 63 00-0071)</small>		
33 05 63 00-0093	EA		12" x 12", 24" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	593.67	22.36
33 05 63 00-0094	EA		13" x 24", 18" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	722.12	74.50
33 05 63 00-0095	EA		17" x 30", 18" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	887.77	74.50
33 05 63 00-0096	EA		13" x 24", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	813.62	74.50
33 05 63 00-0097	EA		13" x 24", 26" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	940.48	74.50
33 05 63 00-0098	EA		17" x 30", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	973.75	74.50
33 05 63 00-0099	EA		17" x 30", 26" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	1,276.16	74.50
33 05 63 00-0100	EA		24" x 36", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	1,665.07	136.59
33 05 63 00-0101	EA		24" x 36", 26" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	1,867.62	136.59



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0102 EA 24" x 36", 48" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure .....	2,921.36	136.59
33 05 63 00-0103 EA 30" x 48", 24" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure .....	2,444.10	241.59
33 05 63 00-0104 EA 30" x 48", 48" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure .....	3,450.27	241.59
<b>33 05 63 00-0105</b> Straight Sides, Polymer Concrete Handhole Enclosures <small>(33 05 63 00-0070)</small>		
<b>33 05 63 00-0106</b> Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosures <small>(33 05 63 00-0105)</small>		
33 05 63 00-0107 EA 5" x 16", 12" Depth, 5,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	766.69	22.36
33 05 63 00-0108 EA 10" x 12", 15" Depth, 5,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	645.00	22.36
33 05 63 00-0109 EA 13" x 24", 12" Depth, 5,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	472.19	74.50
33 05 63 00-0110 EA 17" x 30", 12" Depth, 5,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	543.99	74.50
33 05 63 00-0111 EA 6" x 8", 6" Depth, 15,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	164.33	22.36
33 05 63 00-0112 EA 12" x 12", 12" Depth, 15,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	266.09	22.36
33 05 63 00-0113 EA 8" x 18", 7" Depth, 15,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	442.71	22.36
33 05 63 00-0114 EA 8" x 18", 8" Depth, 15,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	464.08	22.36
33 05 63 00-0115 EA 11" x 18", 12" Depth, 15,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	359.80	49.67
33 05 63 00-0116 EA 11" x 18", 18" Depth, 15,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	392.59	49.67
33 05 63 00-0117 EA 8" x 8", 12" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	261.72	22.36
33 05 63 00-0118 EA 8" x 8", 18" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	301.77	22.36
33 05 63 00-0119 EA 11" x 18", 12" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	389.18	49.67
33 05 63 00-0120 EA 11" x 18", 18" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	444.30	49.67
33 05 63 00-0121 EA 11" x 20", 12" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	408.62	49.67
33 05 63 00-0122 EA 13" x 24", 12" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	475.53	74.50
33 05 63 00-0123 EA 13" x 24", 18" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	529.60	74.50
33 05 63 00-0124 EA 17" x 30", 12" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	569.80	74.50
33 05 63 00-0125 EA 17" x 30", 18" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	630.36	74.50
33 05 63 00-0126 EA 17" x 30", 22" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	751.11	74.50
33 05 63 00-0127 EA 17" x 30", 24" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	824.36	74.50
33 05 63 00-0128 EA 17" x 30", 28" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	904.52	74.50
33 05 63 00-0129 EA 17" x 30", 30" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	954.92	74.50
33 05 63 00-0130 EA 24" x 24", 24" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	1,128.29	99.34
33 05 63 00-0131 EA 24" x 36", 18" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	1,105.14	136.59
33 05 63 00-0132 EA 24" x 36", 24" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	1,456.18	136.59
33 05 63 00-0133 EA 24" x 36", 30" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	1,780.32	136.59
33 05 63 00-0134 EA 24" x 36", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	1,985.03	136.59
33 05 63 00-0135 EA 24" x 36", 42" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	2,188.64	136.59
33 05 63 00-0136 EA 36" x 36", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	2,435.78	241.59
33 05 63 00-0137 EA 30" x 48", 18" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	1,718.17	241.59
33 05 63 00-0138 EA 30" x 48", 24" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	1,978.15	241.59
33 05 63 00-0139 EA 30" x 48", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	2,475.31	241.59
33 05 63 00-0140 EA 30" x 60", 21" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	2,470.20	241.59
33 05 63 00-0141 EA 30" x 60", 30" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	2,655.78	241.59
33 05 63 00-0142 EA 30" x 60", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	3,012.67	241.59
33 05 63 00-0143 EA 36" x 60", 19" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	2,740.27	258.84
33 05 63 00-0144 EA 36" x 60", 24" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	2,992.26	258.84
33 05 63 00-0145 EA 36" x 60", 31" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	3,313.96	258.84

**33 Utilities****33 05 Common Work Results for Utilities****33 05 63 Concrete Vaults and Chambers**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0146	EA	36" x 60", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	3,442.68	258.84
33 05 63 00-0147	EA	48" x 48", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	3,487.42	258.84
33 05 63 00-0148	EA	48" x 48", 48" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	3,977.60	258.84
33 05 63 00-0149	EA	36" x 72", 21" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	3,025.65	258.84
33 05 63 00-0150	EA	36" x 72", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	4,058.50	258.84
33 05 63 00-0151	EA	48" x 72", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	4,580.98	276.09
33 05 63 00-0152	EA	48" x 72", 48" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	5,704.75	276.09
33 05 63 00-0153	EA	48" x 96", 48" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	7,379.52	276.09
<b>33 05 63 00-0154 Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosures</b> <small>(33 05 63 00-0105)</small>				
33 05 63 00-0155	EA	13" x 24", 12" Depth, 5,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	658.61	74.50
33 05 63 00-0156	EA	17" x 30", 12" Depth, 5,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	765.12	74.50
33 05 63 00-0157	EA	6" x 8", 6" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	292.00	22.36
33 05 63 00-0158	EA	12" x 12", 12" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	431.07	22.36
33 05 63 00-0159	EA	8" x 18", 7" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	584.80	22.36
33 05 63 00-0160	EA	8" x 18", 8" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	606.21	22.36
33 05 63 00-0161	EA	10" x 15", 18" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure .....	499.78	49.67
33 05 63 00-0162	EA	11" x 18", 12" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	522.60	49.67
33 05 63 00-0163	EA	11" x 18", 18" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	553.10	49.67
33 05 63 00-0164	EA	8" x 8", 12" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	400.92	22.36
33 05 63 00-0165	EA	8" x 8", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	477.48	22.36
33 05 63 00-0166	EA	11" x 18", 12" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	552.36	49.67
33 05 63 00-0167	EA	11" x 18", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	607.48	49.67
33 05 63 00-0168	EA	11" x 20", 12" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	573.54	49.67
33 05 63 00-0169	EA	13" x 24", 12" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	657.58	74.50
33 05 63 00-0170	EA	13" x 24", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	712.32	74.50
33 05 63 00-0171	EA	17" x 30", 12" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	787.04	74.50
33 05 63 00-0172	EA	17" x 30", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	847.21	74.50
33 05 63 00-0173	EA	17" x 30", 22" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	967.61	74.50
33 05 63 00-0174	EA	17" x 30", 24" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	1,041.18	74.50
33 05 63 00-0175	EA	17" x 30", 28" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	1,120.99	74.50
33 05 63 00-0176	EA	17" x 30", 30" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	1,171.74	74.50
33 05 63 00-0177	EA	24" x 24", 24" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	1,427.81	99.34
33 05 63 00-0178	EA	24" x 36", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	1,445.67	136.59
33 05 63 00-0179	EA	24" x 36", 24" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	1,796.30	136.59
33 05 63 00-0180	EA	24" x 36", 30" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	2,120.08	136.59
33 05 63 00-0181	EA	24" x 36", 36" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	2,324.47	136.59
33 05 63 00-0182	EA	24" x 36", 42" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	2,528.76	136.59
33 05 63 00-0183	EA	30" x 48", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	2,112.31	241.59
33 05 63 00-0184	EA	30" x 48", 24" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	2,372.68	241.59
33 05 63 00-0185	EA	30" x 48", 36" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	2,869.45	241.59



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>33 05 63 00-0186</b>				<b>Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosures</b> <small>(33 05 63 00-0105)</small>		
				EA 13" x 24", 12" Depth, 5,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	599.08	74.50
				EA 17" x 30", 12" Depth, 5,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	708.56	74.50
				EA 6" x 8", 6" Depth, 15,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	210.62	22.36
				EA 12" x 12", 12" Depth, 15,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	359.62	22.36
				EA 8" x 18", 7" Depth, 15,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	525.34	22.36
				EA 8" x 18", 8" Depth, 15,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	547.13	22.36
				EA 11" x 18", 12" Depth, 15,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	460.63	49.67
				EA 11" x 18", 18" Depth, 15,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	524.07	49.67
				EA 8" x 8", 18" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	312.18	22.36
				EA 11" x 18", 12" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	491.81	49.67
				EA 11" x 18", 18" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	570.84	49.67
				EA 11" x 20", 12" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	512.34	49.67
				EA 13" x 24", 12" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	649.19	74.50
				EA 13" x 24", 18" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	757.25	74.50
				EA 17" x 30", 12" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	793.18	74.50
				EA 17" x 30", 18" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	878.74	74.50
				EA 17" x 30", 22" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	957.45	74.50
				EA 17" x 30", 24" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	1,031.76	74.50
				EA 17" x 30", 28" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	1,164.83	74.50
				EA 17" x 30", 30" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	1,183.37	74.50
				EA 24" x 24", 24" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	1,451.01	99.34
				EA 24" x 36", 18" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	1,475.76	136.59
				EA 24" x 36", 24" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	1,862.99	136.59
				EA 24" x 36", 30" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	2,245.95	136.59
				EA 24" x 36", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	2,500.31	136.59
				EA 24" x 36", 42" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	2,754.67	136.59
				EA 36" x 36", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	2,909.69	241.59
				EA 30" x 48", 18" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	2,192.12	241.59
				EA 30" x 48", 24" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	2,472.39	241.59
				EA 30" x 48", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	2,969.19	241.59
				EA 30" x 60", 21" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	3,188.32	241.59
				EA 30" x 60", 30" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	3,256.94	241.59
				EA 30" x 60", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	3,922.65	241.59
				EA 36" x 60", 19" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	3,611.42	258.84
				EA 36" x 60", 24" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	3,741.62	258.84
				EA 36" x 60", 31" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	4,110.95	258.84
				EA 36" x 60", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	4,390.48	258.84
				EA 36" x 72", 21" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	4,016.85	258.84
				EA 36" x 72", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	5,016.56	258.84
				EA 48" x 48", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	4,328.10	258.84
				EA 48" x 48", 48" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	4,776.66	258.84
				EA 48" x 72", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	5,814.80	276.09
				EA 48" x 72", 48" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	6,939.03	276.09
				EA 48" x 96", 48" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	9,433.87	276.09

**33 Utilities****33 05 Common Work Results for Utilities****33 05 63 Concrete Vaults and Chambers**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0231			<b>Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosures</b> <small>(33 05 63 00-0105)</small>		
33 05 63 00-0232	EA		13" x 24", 12" Depth, 5,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	785.47	74.50
33 05 63 00-0233	EA		17" x 30", 12" Depth, 5,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	930.10	74.50
33 05 63 00-0234	EA		6" x 8", 6" Depth, 15,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	337.25	22.36
33 05 63 00-0235	EA		12" x 12", 12" Depth, 15,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	524.28	22.36
33 05 63 00-0236	EA		8" x 18", 7" Depth, 15,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	667.15	22.36
33 05 63 00-0237	EA		8" x 18", 8" Depth, 15,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	689.23	22.36
33 05 63 00-0238	EA		11" x 18", 12" Depth, 15,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	623.81	49.67
33 05 63 00-0239	EA		11" x 18", 18" Depth, 15,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	686.87	49.67
33 05 63 00-0240	EA		8" x 8", 18" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	493.13	22.36
33 05 63 00-0241	EA		11" x 18", 12" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	654.25	49.67
33 05 63 00-0242	EA		11" x 18", 18" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	733.28	49.67
33 05 63 00-0243	EA		11" x 20", 12" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	630.69	49.67
33 05 63 00-0244	EA		13" x 24", 12" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	831.98	74.50
33 05 63 00-0245	EA		13" x 24", 18" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	940.03	74.50
33 05 63 00-0246	EA		17" x 30", 12" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	1,010.01	74.50
33 05 63 00-0247	EA		17" x 30", 18" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	1,095.60	74.50
33 05 63 00-0248	EA		17" x 30", 22" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	1,174.28	74.50
33 05 63 00-0249	EA		17" x 30", 24" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	1,248.62	74.50
33 05 63 00-0250	EA		17" x 30", 28" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	1,381.71	74.50
33 05 63 00-0251	EA		17" x 30", 30" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	1,400.20	74.50
33 05 63 00-0252	EA		24" x 24", 24" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	1,750.15	99.34
33 05 63 00-0253	EA		24" x 36", 18" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	1,816.26	136.59
33 05 63 00-0254	EA		24" x 36", 24" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	2,203.14	136.59
33 05 63 00-0255	EA		24" x 36", 30" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	2,585.68	136.59
33 05 63 00-0256	EA		24" x 36", 36" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	2,840.23	136.59
33 05 63 00-0257	EA		24" x 36", 42" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	3,094.79	136.59
33 05 63 00-0258	EA		30" x 48", 18" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	2,586.61	241.59
33 05 63 00-0259	EA		30" x 48", 24" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	2,867.27	241.59
33 05 63 00-0260	EA		30" x 48", 36" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	3,363.72	241.59
33 05 63 00-0261			<b>Footed, Straight Sides, Polymer Concrete Handhole Enclosures</b> <small>(33 05 63 00-0105)</small>		
33 05 63 00-0262	EA		17" x 30", 12" Depth, 5,000 LB Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure .....	644.53	74.50
33 05 63 00-0263	EA		11" x 18", 12" Depth, 15,000 LB Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure .....	435.94	49.67
33 05 63 00-0264	EA		11" x 18", 18" Depth, 15,000 LB Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure .....	496.88	49.67
33 05 63 00-0265	EA		13" x 24", 12" Depth, 15,000 LB Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure .....	565.43	74.50
33 05 63 00-0266	EA		11" x 18", 12" Depth, 22,500 LB Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure .....	455.90	49.67
33 05 63 00-0267	EA		11" x 18", 18" Depth, 22,500 LB Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure .....	514.27	49.67
33 05 63 00-0268			<b>Polymer Concrete Handhole Enclosure Extensions</b> <small>(33 05 63 00-0069)</small>		
			Note: Excludes bases See CSI section 33 05 63 00-0070 for bases.		
33 05 63 00-0269	EA		13" x 24", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension.....	451.97	74.50
33 05 63 00-0270	EA		17" x 30", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension.....	515.49	74.50
33 05 63 00-0271	EA		24" x 24", 6" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension.....	578.61	99.34
33 05 63 00-0272	EA		24" x 24", 12" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension.....	640.97	99.34





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0273 EA 24" x 36", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension.....	741.53	136.59
33 05 63 00-0274 EA 36" x 36", 12" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension.....	1,348.29	241.59
33 05 63 00-0275 EA 30" x 48", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension.....	1,280.12	241.59
33 05 63 00-0276 EA 30" x 48", 11" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension.....	1,295.00	241.59
33 05 63 00-0277 EA 36" x 60", 12" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension.....	1,798.42	258.84
33 05 63 00-0278 EA 48" x 72", 12" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension.....	2,958.09	276.09
33 05 63 00-0279 EA 48" x 96", 12" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension.....	3,948.35	276.09
33 05 63 00-0280 EA 13" x 24", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension.....	785.21	74.50
33 05 63 00-0281 EA 17" x 30", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension.....	824.01	74.50
33 05 63 00-0282 EA 24" x 24", 6" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension.....	862.87	99.34
33 05 63 00-0283 EA 24" x 24", 12" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension.....	925.90	99.34
33 05 63 00-0284 EA 24" x 36", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension.....	1,053.30	136.59
33 05 63 00-0285 EA 30" x 48", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension.....	1,720.71	241.59
33 05 63 00-0286 EA 13" x 24", 3" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Grade Adjustable Extension.....	595.55	74.50
33 05 63 00-0287 EA 17" x 30", 3" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Grade Adjustable Extension.....	672.08	74.50
33 05 63 00-0288 EA 24" x 36", 4" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Grade Adjustable Extension.....	851.32	136.59
33 05 63 00-0289 EA 36" x 60", 3" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Grade Adjustable Extension.....	1,725.42	258.84
<b>33 05 63 00-0290 Polymer Concrete Handhole Enclosure Covers (33 05 63 00-0069)</b>		
<b>33 05 63 00-0291 Polymer Concrete Handhole Enclosure Covers (33 05 63 00-0290)</b>		
33 05 63 00-0292 EA 5" x 16", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover.....	176.76	9.94
33 05 63 00-0293 EA 10" x 12", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover.....	179.20	9.94
33 05 63 00-0294 EA 12" x 12", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover.....	165.22	9.94
33 05 63 00-0295 EA 8" x 18", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover.....	179.69	9.94
33 05 63 00-0296 EA 11" x 18", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover.....	181.54	9.93
33 05 63 00-0297 EA 13" x 24", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover.....	210.02	9.93
33 05 63 00-0298 EA 17" x 30", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover.....	245.24	9.93
33 05 63 00-0299 EA 30" x 59", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover.....	1,654.99	31.06
33 05 63 00-0300 EA 30" x 60", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover.....	1,444.95	31.06
33 05 63 00-0301 EA 36" x 60", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover.....	2,176.54	31.06
33 05 63 00-0302 EA 48" x 48", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover.....	2,201.48	31.06
33 05 63 00-0303 EA 36" x 72", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover.....	2,497.50	31.06
33 05 63 00-0304 EA 48" x 72", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover.....	2,723.61	31.06
33 05 63 00-0305 EA 48" x 96", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover.....	4,393.01	31.06
33 05 63 00-0306 EA 10" x 15", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover.....	149.69	9.93
33 05 63 00-0307 EA 11" x 18", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover.....	219.59	9.93
33 05 63 00-0308 EA 11" x 20", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover.....	222.84	9.93
33 05 63 00-0309 EA 13" x 24", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover.....	283.43	9.93
33 05 63 00-0310 EA 13" x 24", 8,000 LB Design Load, Standard Duty, Service Box, Polymer Concrete Handhole Enclosure Cover.....	210.92	9.93
33 05 63 00-0311 EA 17" x 30", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover.....	337.45	9.93
33 05 63 00-0312 EA 17" x 30", 8,000 LB Design Load, Standard Duty, Service Box, Polymer Concrete Handhole Enclosure Cover.....	262.41	9.93
33 05 63 00-0313 EA 27" Round, 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover.....	550.97	9.93
33 05 63 00-0314 EA 24" x 24", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover.....	475.38	14.90
33 05 63 00-0315 EA 24" x 36", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover.....	600.28	14.90
33 05 63 00-0316 EA 39" Round, 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover.....	775.87	17.38
33 05 63 00-0317 EA 36" x 36", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover.....	1,094.35	24.16
33 05 63 00-0318 EA 30" x 48", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover.....	1,134.91	46.01
33 05 63 00-0319 EA 11" x 18", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	287.06	9.93
33 05 63 00-0320 EA 13" x 24", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	414.34	9.93
33 05 63 00-0321 EA 17" x 30", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	473.09	9.93
33 05 63 00-0322 EA 27" Round, 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	794.50	9.93
33 05 63 00-0323 EA 24" x 24", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	647.08	14.90
33 05 63 00-0324 EA 39" Round, 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	1,102.90	17.38
33 05 63 00-0325 EA 36" x 36", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	1,448.61	24.16
33 05 63 00-0326 EA 30" x 59", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	1,956.12	31.06
33 05 63 00-0327 EA 30" x 60", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	1,736.05	31.06
33 05 63 00-0328 EA 36" x 60", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	2,435.85	31.06
33 05 63 00-0329 EA 48" x 48", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	3,180.11	31.06
33 05 63 00-0330 EA 36" x 72", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	3,044.34	31.06
33 05 63 00-0331 EA 48" x 72", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	4,635.38	31.06
33 05 63 00-0332 EA 48" x 96", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	7,174.84	31.06
33 05 63 00-0333 EA 11" x 18", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	381.36	9.93
33 05 63 00-0334 EA 11" x 20", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	418.13	9.93
33 05 63 00-0335 EA 13" x 24", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover.....	554.31	9.93

**33 Utilities****33 05 Common Work Results for Utilities****33 05 63 Concrete Vaults and Chambers**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

33 05 63 00-0336	EA	17" x 30", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	633.34	9.93
33 05 63 00-0337	EA	27" Round, 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	1,103.34	9.93
33 05 63 00-0338	EA	24" x 24", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	792.61	14.90
33 05 63 00-0339	EA	24" x 36", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	1,090.17	14.90
33 05 63 00-0340	EA	39" Round, 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	1,697.09	17.38
33 05 63 00-0341	EA	36" x 36", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	1,941.75	24.16
33 05 63 00-0342	EA	30" x 48", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	2,017.85	46.01
33 05 63 00-0343	EA	30" x 60", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	2,335.00	31.06
33 05 63 00-0344	EA	36" x 60", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	3,270.65	31.06
33 05 63 00-0345	EA	48" x 48", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	4,586.69	31.06
33 05 63 00-0346	EA	36" x 72", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	4,090.02	31.06
33 05 63 00-0347	EA	48" x 72", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	6,795.99	31.06
33 05 63 00-0348	EA	48" x 96", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	10,504.57	31.06

**33 05 63 00-0349 Polymer Concrete Handhole Enclosure Covers With Gaskets (33 05 63 00-0290)**

33 05 63 00-0350	EA	12" x 12", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	204.75	9.94
33 05 63 00-0351	EA	8" x 18", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	217.06	9.94
33 05 63 00-0352	EA	11" x 18", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	221.07	9.93
33 05 63 00-0353	EA	13" x 24", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	222.58	9.93
33 05 63 00-0354	EA	17" x 30", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	258.68	9.93
33 05 63 00-0355	EA	10" x 15", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	161.03	9.93
33 05 63 00-0356	EA	11" x 18", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	231.23	9.93
33 05 63 00-0357	EA	11" x 20", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	233.48	9.93
33 05 63 00-0358	EA	13" x 24", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	295.41	9.93
33 05 63 00-0359	EA	13" x 24", 8,000 LB Design Load, Standard Duty, Service Box, Polymer Concrete Handhole Enclosure Cover With Gasket	223.97	9.93
33 05 63 00-0360	EA	17" x 30", 8,000 LB Design Load, Standard Duty, Service Box, Polymer Concrete Handhole Enclosure Cover With Gasket	276.19	9.93
33 05 63 00-0361	EA	17" x 30", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	350.15	9.93
33 05 63 00-0362	EA	24" x 24", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	483.90	14.90
33 05 63 00-0363	EA	24" x 36", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	613.36	14.90
33 05 63 00-0364	EA	30" x 48", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	1,148.35	46.01
33 05 63 00-0365	EA	6" x 8", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	132.18	9.94
33 05 63 00-0366	EA	8" x 8", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	213.21	9.94
33 05 63 00-0367	EA	8" x 18", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	238.47	9.94
33 05 63 00-0368	EA	12" x 12", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	227.25	9.94
33 05 63 00-0369	EA	10" x 15", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	185.17	9.93
33 05 63 00-0370	EA	11" x 18", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	298.66	9.93
33 05 63 00-0371	EA	11" x 20", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	324.89	9.93
33 05 63 00-0372	EA	13" x 24", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	426.68	9.93
33 05 63 00-0373	EA	17" x 30", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	486.49	9.93
33 05 63 00-0374	EA	24" x 24", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	659.07	14.90
33 05 63 00-0375	EA	24" x 36", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	827.26	14.90
33 05 63 00-0376	EA	30" x 48", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	1,519.99	46.01

**33 05 63 00-0377 Polymer Concrete Handhole Enclosure Covers Without Bolts (33 05 63 00-0290)**

33 05 63 00-0378	EA	6" x 9", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	104.31	9.94
33 05 63 00-0379	EA	7" x 13", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	126.11	9.94
33 05 63 00-0380	EA	12" x 12", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	155.45	9.94
33 05 63 00-0381	EA	8" x 18", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	168.50	9.94
33 05 63 00-0382	EA	11" x 18", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	168.14	9.93
33 05 63 00-0383	EA	13" x 24", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	201.56	9.93
33 05 63 00-0384	EA	17" x 30", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	234.41	9.93
33 05 63 00-0385	EA	24" x 36", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	578.87	14.90
33 05 63 00-0386	EA	30" x 48", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	1,085.99	46.01
33 05 63 00-0387	EA	30" x 59", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	1,636.64	31.06
33 05 63 00-0388	EA	30" x 60", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	1,424.22	31.06
33 05 63 00-0389	EA	48" x 48", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	2,142.44	31.06
33 05 63 00-0390	EA	36" x 60", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	2,066.49	31.06
33 05 63 00-0391	EA	36" x 72", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	2,477.70	31.06
33 05 63 00-0392	EA	48" x 72", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	2,650.46	31.06
33 05 63 00-0393	EA	48" x 96", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	4,252.42	31.06
33 05 63 00-0394	EA	10" x 15", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	143.48	9.93
33 05 63 00-0395	EA	10" x 16", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	139.85	9.93
33 05 63 00-0396	EA	11" x 20", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	211.75	9.93
33 05 63 00-0397	EA	11" x 21", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	233.77	9.93
33 05 63 00-0398	EA	13" x 24", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	266.04	9.93
33 05 63 00-0399	EA	13" x 24", 8,000 LB Design Load, Standard Duty, Service Box, Polymer Concrete Handhole Enclosure Cover Without Bolts	199.67	9.93
33 05 63 00-0400	EA	18" x 19", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	223.97	9.93
33 05 63 00-0401	EA	17" x 30", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	322.22	9.93
33 05 63 00-0402	EA	24" x 24", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	465.51	14.90
33 05 63 00-0403	EA	20" x 42", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	585.66	14.90
33 05 63 00-0404	EA	24" x 36", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	578.52	14.90
33 05 63 00-0405	EA	36" x 36", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	1,049.74	24.16
33 05 63 00-0406	EA	30" x 48", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	1,085.99	27.61

**33 05 63 00-0407 Overlapping, Polymer Concrete Handhole Enclosure Covers (33 05 63 00-0290)**



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0408 EA 30" x 60", 5,000 LB Design Load, Standard Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover.....	1,705.07	31.06
33 05 63 00-0409 EA 36" x 60", 5,000 LB Design Load, Standard Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover.....	2,480.24	31.06
33 05 63 00-0410 EA 30" x 48", 8,000 LB Design Load, Standard Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover.....	1,429.32	46.01
33 05 63 00-0411 EA 30" x 48", 15,000 LB Design Load, Heavy Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover.....	1,902.53	46.01
33 05 63 00-0412 EA 30" x 60", 15,000 LB Design Load, Heavy Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover.....	2,030.56	31.06
33 05 63 00-0413 EA 36" x 60", 15,000 LB Design Load, Heavy Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover.....	2,776.61	31.06
<b>33 05 63 00-0414 Split, Polymer Concrete Handhole Enclosure Covers</b> <small>(33 05 63 00-0290)</small>		
33 05 63 00-0415 EA 24" x 36", 8,000 LB Design Load, Standard Duty, Split, Polymer Concrete Handhole Enclosure Cover.....	659.29	14.90
33 05 63 00-0416 EA 36" x 36", 8,000 LB Design Load, Standard Duty, Split, Polymer Concrete Handhole Enclosure Cover.....	1,233.97	24.16
33 05 63 00-0417 EA 30" x 48", 8,000 LB Design Load, Standard Duty, Split, Polymer Concrete Handhole Enclosure Cover.....	1,288.32	46.01
33 05 63 00-0418 EA 6" x 8", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover.....	98.24	9.94
33 05 63 00-0419 EA 8" x 8", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover.....	169.66	9.94
33 05 63 00-0420 EA 12" x 12", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover.....	187.72	9.94
33 05 63 00-0421 EA 8" x 18", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover.....	199.68	9.94
33 05 63 00-0422 EA 10" x 15", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover.....	173.92	9.93
33 05 63 00-0423 EA 11" x 20", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover.....	314.25	9.93
33 05 63 00-0424 EA 24" x 36", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover.....	888.71	14.90
33 05 63 00-0425 EA 36" x 36", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover.....	1,647.72	24.16
33 05 63 00-0426 EA 30" x 48", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover.....	1,724.89	46.01
<b>33 05 63 00-0427 Precast Concrete Handholes With Steel Cover</b> <small>(33 05 63 00-0068)</small>		
Note: 8000 To 12000 pound traffic rated top. Includes cover stamped with utility (Electrical, Sewer, Water, Etc.).		
33 05 63 00-0428 EA 12" x 12" x 12" Precast Concrete Handholes With Steel Cover.....	972.64	243.99
Note: 8000 To 12000 pound traffic rated top.		
<i>For 15,000 to 22,500 Pound Traffic Rated Top, Add</i>		
	18.00	
33 05 63 00-0429 EA 12" x 24" x 21" Precast Concrete Handholes With Steel Cover.....	1,656.31	365.99
Note: 8000 To 12000 pound traffic rated top.		
<i>For 15,000 to 22,500 Pound Traffic Rated Top, Add</i>		
	107.53	
33 05 63 00-0430 EA 18" x 30" x 18" Precast Concrete Handholes With Steel Cover.....	1,986.51	487.98
Note: 8000 To 12000 pound traffic rated top.		
<i>For 15,000 to 22,500 Pound Traffic Rated Top, Add</i>		
	188.43	
33 05 63 00-0431 EA 24" x 24" x 24" Precast Concrete Handholes With Steel Cover.....	2,072.75	487.98
Note: 8000 To 12000 pound traffic rated top.		
<i>For 15,000 to 22,500 Pound Traffic Rated Top, Add</i>		
	238.10	
33 05 63 00-0432 EA 24" x 24" x 30" Precast Concrete Handholes With Steel Cover.....	2,419.40	609.98
Note: 8000 To 12000 pound traffic rated top.		
<i>For 15,000 to 22,500 Pound Traffic Rated Top, Add</i>		
	286.70	
33 05 63 00-0433 EA 30" x 36" x 30" Precast Concrete Handholes With Steel Cover.....	2,562.43	609.98
Note: 8000 To 12000 pound traffic rated top.		
<i>For 15,000 to 22,500 Pound Traffic Rated Top, Add</i>		
	315.15	
33 05 63 00-0434 EA 36" x 36" x 48" Precast Concrete Handholes With Steel Cover.....	2,947.06	731.97
Note: 8000 To 12000 pound traffic rated top.		
<i>For 15,000 to 22,500 Pound Traffic Rated Top, Add</i>		
	368.21	
33 05 63 00-0435 EA 48" x 48" x 48" Precast Concrete Handholes With Steel Cover.....	3,377.45	853.97
Note: 8000 To 12000 pound traffic rated top.		
<i>For 15,000 to 22,500 Pound Traffic Rated Top, Add</i>		
	514.61	
33 05 63 00-0436 EA 48" x 72" x 36" Precast Concrete Handholes With Steel Cover.....	3,372.29	731.97
Note: 8000 To 12000 pound traffic rated top.		
<i>For 15,000 to 22,500 Pound Traffic Rated Top, Add</i>		
	557.53	
33 05 63 00-0437 EA 54" x 38" x 24" Precast Concrete Handholes With Steel Cover.....	3,408.86	731.97
Note: 8000 To 12000 pound traffic rated top.		
<i>For 15,000 to 22,500 Pound Traffic Rated Top, Add</i>		
	387.33	
33 05 63 00-0438 EA 6" Diameter Precast Concrete Handholes With Steel Cover.....	738.46	243.99
Note: 8000 To 12000 pound traffic rated top.		
<i>For 15,000 to 22,500 Pound Traffic Rated Top, Add</i>		
	15.00	
33 05 63 00-0439 EA 9" Diameter Precast Concrete Handholes With Steel Cover.....	876.48	274.49
Note: 8000 To 12000 pound traffic rated top.		
<i>For 15,000 to 22,500 Pound Traffic Rated Top, Add</i>		
	15.00	
33 05 63 00-0440 EA 12" Diameter Precast Concrete Handholes With Steel Cover.....	1,091.52	304.99
Note: 8000 To 12000 pound traffic rated top.		
<i>For 15,000 to 22,500 Pound Traffic Rated Top, Add</i>		
	15.00	
<b>33 05 81 Metallic Castings for Utility Structures</b> <small>(33 05)</small>		
33 05 81 00-0001 Manhole Accessories <small>(33 05 81)</small>		
33 05 81 00-0002 Steps For Cast-In-Place Manholes <small>(33 05 81 00-0001)</small>		
See CSI section 33 01 30 81-0037 for installation of steps in existing manholes.		
33 05 81 00-0003 EA Cast Iron Manhole Step For New Manholes.....	123.76	
33 05 81 00-0004 EA Galvanized Steel Manhole Step For New Manholes.....	66.35	
33 05 81 00-0005 EA Aluminum Manhole Step For New Manholes.....	94.19	
33 05 81 00-0006 Manhole Covers And Frames <small>(33 05 81)</small>		
Note: Includes moisture-tight masonry joints and waterproof grouting.		
33 05 81 00-0007 Regular Manhole Covers And Frames <small>(33 05 81 00-0006)</small>		
33 05 81 00-0008 EA 18" Square, Gray Iron, Manhole Cover With Frame.....	2,372.99	89.35
<i>For Ductile Iron Castings, Add</i>		
	1,472.02	

**33 Utilities****33 05 Common Work Results for Utilities****33 05 81 Metallic Castings for Utility Structures**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 81 00-0009 EA 18" Diameter, Gray Iron, Manhole Cover With Frame ..... <i>For Ductile Iron Castings, Add</i>	1,290.84 714.51	89.35
33 05 81 00-0010 EA 24" Diameter, Gray Iron, Manhole Cover With Frame ..... <i>For Ductile Iron Castings, Add</i>	1,491.85 826.13	103.89
33 05 81 00-0011 EA 24" Square, Gray Iron, Manhole Cover With Frame ..... <i>For Ductile Iron Castings, Add</i>	2,396.86 1,435.40	115.31
33 05 81 00-0012 EA 26" Diameter, Gray Iron, Manhole Cover With Frame ..... <i>For Ductile Iron Castings, Add</i>	2,002.23 1,138.73	124.66
33 05 81 00-0013 EA 30" Diameter, Gray Iron, Manhole Cover With Frame ..... <i>For Ductile Iron Castings, Add</i>	2,089.66 1,190.06	129.86
33 05 81 00-0014 EA 24" Diameter REXUF D400, Ductile Iron Manhole Cover And Frame, County Standard..... <i>For Ductile Iron Castings, Add</i>	1,308.30 673.41	115.31
<b>33 05 81 00-0015 Watertight Type Manhole Covers And Frames (33 05 81 00-0006)</b>		
33 05 81 00-0016 EA 20" Diameter, Gray Iron, Watertight Manhole Cover With Frame ..... <i>For Ductile Iron Castings, Add</i>	2,615.72 1,625.48	73.76
33 05 81 00-0017 EA 22" Diameter, Gray Iron, Watertight Manhole Cover With Frame ..... <i>For Ductile Iron Castings, Add</i>	2,647.50 1,630.80	73.76
33 05 81 00-0018 EA 24" Diameter, Gray Iron, Watertight Manhole Cover With Frame ..... <i>For Ductile Iron Castings, Add</i>	2,691.38 1,641.56	86.22
33 05 81 00-0019 EA 26" Diameter, Gray Iron, Watertight Manhole Cover With Frame ..... <i>For Ductile Iron Castings, Add</i>	3,219.27 1,990.65	96.62
33 05 81 00-0020 EA 30" Diameter, Gray Iron, Watertight Manhole Cover With Frame ..... <i>For Ductile Iron Castings, Add</i>	3,746.72 2,350.01	98.70
33 05 81 00-0021 EA 32" Diameter, Gray Iron, Watertight Manhole Cover With Frame ..... <i>For Ductile Iron Castings, Add</i>	3,949.40 2,488.32	100.77
33 05 81 00-0022 EA 36" Diameter, Gray Iron, Watertight Manhole Cover With Frame ..... <i>For Ductile Iron Castings, Add</i>	4,130.75 2,611.55	103.89
<b>33 05 81 00-0023 Aluminum Manhole Covers And Frames (33 05 81 00-0006)</b>		
33 05 81 00-0024 EA 12" Square Aluminum Manhole Cover With Frame .....	1,180.58	29.80
33 05 81 00-0025 EA 18" Square Aluminum Manhole Cover With Frame .....	2,173.83	32.98
33 05 81 00-0026 EA 24" Square Aluminum Manhole Cover With Frame .....	3,124.71	38.30
<b>33 05 81 00-0027 Removal And Reinstallation Of Manhole Cover And Frame (33 05 81 00-0006)</b> Note: Includes surrounding asphalt removal and repair. Excludes saw cutting.		
33 05 81 00-0028 EA Removal And Reinstallation Of Manhole Cover And Frame .....	416.52	
<b>33 05 83 Non-Metallic Accessories for Utility Structures (33 05)</b>		
<b>33 05 83 00-0001 Manhole Accessories (33 05 83)</b>		
<b>33 05 83 00-0002 Steps For Cast-In-Place Manholes (33 05 83 00-0001)</b> See CSI section 33 01 30 81-0037 for installation of steps in existing manholes.		
33 05 83 00-0003 EA Polypropylene Manhole Step For New Manholes .....	50.31	
<b>33 05 83 00-0004 Rainguard Inflow Protectors (33 05 83)</b>		
33 05 83 00-0005 EA 18" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors.....	132.56	21.23
33 05 83 00-0006 EA 22" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors.....	155.90	21.23
33 05 83 00-0007 EA 24" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors.....	186.33	25.48
33 05 83 00-0008 EA 26" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors.....	201.08	25.48
33 05 83 00-0009 EA 30" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors.....	250.93	29.73
33 05 83 00-0010 EA 32" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors.....	269.05	29.73
<b>33 05 84 Accessories for Utility Structures (33 05)</b> See CSI section 22 13 19 26-0044 for oil interceptors, 22 13 23 00-0000 for sediment interceptors, 31 23 16 00-0000 for excavation, 31 23 16 36-0016 for backfill.		
<b>33 05 84 00-0001 Manhole Accessories (33 05 84)</b>		
<b>33 05 84 00-0002 Precast Concrete Manhole Tops (33 05 84 00-0001)</b>		
<b>33 05 84 00-0003 Precast Concrete Manhole Slab Tops (33 05 84 00-0002)</b>		
33 05 84 00-0004 EA 3' Diameter x 8" Thick Precast Manhole Top Slab .....	590.21	77.92
33 05 84 00-0005 EA 4' Diameter x 8" Thick Precast Manhole Top Slab .....	832.63	84.15
33 05 84 00-0006 EA 5' Diameter x 8" Thick Precast Manhole Top Slab .....	1,133.68	90.38
33 05 84 00-0007 EA 6' Diameter x 8" Thick Precast Manhole Top Slab .....	1,360.79	96.62
33 05 84 00-0008 EA 7' Diameter x 8" Thick Precast Manhole Top Slab .....	2,084.56	103.89
33 05 84 00-0009 EA 8' Diameter x 10" Thick Precast Manhole Top Slab .....	2,790.90	111.68
33 05 84 00-0010 EA 10' Diameter x 12" Thick Precast Manhole Top Slab .....	4,963.14	119.47
33 05 84 00-0011 EA 12' Diameter x 12" Thick Precast Manhole Top Slab .....	7,062.95	128.56
<b>33 05 84 00-0012 Precast Concrete Manhole Cone Tops (33 05 84 00-0002)</b>		
33 05 84 00-0013 EA 3' Diameter x 8" Thick Precast Manhole Top Cone.....	946.68	97.39
33 05 84 00-0014 EA 3'-6" Diameter x 8" Thick Precast Manhole Top Cone .....	1,055.10	101.29



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 84 00-0015 EA 4' Diameter x 8" Thick Precast Manhole Top Cone .....	1,163.56	105.18
33 05 84 00-0016 EA 5' Diameter x 8" Thick Precast Manhole Top Cone .....	1,375.20	111.68
33 05 84 00-0017 EA 6' Diameter x 8" Thick Precast Manhole Top Cone .....	1,592.08	119.47
33 05 84 00-0018 EA 7' Diameter x 8" Thick Precast Manhole Top Cone .....	2,541.07	127.26
33 05 84 00-0019 EA 8' Diameter x 10" Thick Precast Manhole Top Cone .....	3,197.10	140.25
<b>33 05 84 00-0020 Precast Concrete Manhole Reducer Slabs</b> <small>(33 05 84 00-0002)</small>		
33 05 84 00-0021 EA 5' Diameter To 4' Diameter, Precast Concrete Manhole Reducer Slab .....	1,287.30	90.38
33 05 84 00-0022 EA 6' Diameter To 4' Diameter, Precast Concrete Manhole Reducer Slab .....	1,666.63	96.62
33 05 84 00-0023 EA 7' Diameter To 4' Diameter, Precast Concrete Manhole Reducer Slab .....	2,214.47	96.62
33 05 84 00-0024 EA 8' Diameter To 4' Diameter, Precast Concrete Manhole Reducer Slab .....	3,530.79	96.62
33 05 84 00-0025 EA 10' Diameter To 4' Diameter, Precast Concrete Manhole Reducer Slab .....	4,554.85	96.62
33 05 84 00-0026 EA 12' Diameter To 4' Diameter, Precast Concrete Manhole Reducer Slab .....	6,617.01	96.62
<b>33 05 84 00-0027 Pipe To Manhole Connector</b> <small>(33 05 84 00-0001)</small>		
<b>33 05 84 00-0028 Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connectors</b> <small>(33 05 84 00-0027)</small>		
33 05 84 00-0029 EA 4" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector .....	119.88	
33 05 84 00-0030 EA 6" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector .....	192.20	
33 05 84 00-0031 EA 8" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector .....	215.90	
33 05 84 00-0032 EA 10" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector .....	351.04	
33 05 84 00-0033 EA 12" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector .....	500.63	
33 05 84 00-0034 EA 15" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector .....	653.28	
33 05 84 00-0035 EA 18" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector .....	1,234.13	
33 05 84 00-0036 EA 21" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector .....	1,727.72	
33 05 84 00-0037 EA 24" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector .....	2,793.54	
33 05 84 00-0038 EA 27" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector .....	3,268.49	
<b>33 05 84 00-0039 Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout</b> <small>(33 05 84 00-0027)</small>		
<i>Note: Fernco CMA.</i>		
33 05 84 00-0040 EA 4" Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout .....	109.46	
33 05 84 00-0041 EA 6" Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout .....	152.42	
33 05 84 00-0042 EA 8" Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout .....	192.73	
33 05 84 00-0043 EA 10" Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout .....	232.81	
33 05 84 00-0044 EA 12" Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout .....	270.01	
<b>33 05 84 00-0045 Brick And Grout Pipe To Manhole Connector</b> <small>(33 05 84 00-0027)</small>		
33 05 84 00-0046 EA Seal Gap Between Pipe And Structure With Brick And Grout .....	265.49	
<b>33 05 84 00-0047 Inverts For Manholes</b> <small>(33 05 84 00-0001)</small>		
33 05 84 00-0048 EA Single Channel Concrete Invert For Manholes .....	427.01	
33 05 84 00-0049 EA Double Channel Concrete Invert For Manholes .....	614.09	
33 05 84 00-0050 EA Triple Channel Concrete Invert For Manholes .....	827.67	
33 05 84 00-0051 EA Quad Channel Concrete Invert For Manholes .....	1,041.19	
33 05 84 00-0052 EA Single Channel Brick Invert For Manholes .....	637.33	
33 05 84 00-0053 EA Double Channel Brick Invert For Manholes .....	953.86	
33 05 84 00-0054 EA Triple Channel Brick Invert For Manholes .....	1,275.74	
33 05 84 00-0055 EA Quad Channel Brick Invert For Manholes .....	1,594.33	
<b>33 05 84 00-0056 Protective Coating For New Manholes</b> <small>(33 05 84 00-0001)</small>		
<b>33 05 84 00-0057 Polyurethane Protective Coating For New Manholes</b> <small>(33 05 84 00-0056)</small>		
33 05 84 00-0058 VLF 60 Mil Polyurethane Coating Of 3' Diameter Manhole Interior .....	202.79	
<i>For 80 Mil Material, Add</i>	30.96	
<i>For 100 Mil Material, Add</i>	61.93	
<i>For 125 Mil Material, Add</i>	97.98	
<i>For 150 Mil Material, Add</i>	134.03	
<i>For 200 Mil Material, Add</i>	199.03	
<i>For 2 To 5 Manholes, Deduct</i>	-13.68	
<i>For 6 To 10 Manholes, Deduct</i>	-22.30	
<i>For &gt;10 Manholes, Deduct</i>	-44.60	
33 05 84 00-0059 VLF 60 Mil Polyurethane Coating Of 3-1/2' Diameter Manhole Interior .....	244.52	
<i>For 80 Mil Material, Add</i>	36.74	
<i>For 100 Mil Material, Add</i>	73.47	
<i>For 125 Mil Material, Add</i>	116.15	
<i>For 150 Mil Material, Add</i>	158.82	
<i>For 200 Mil Material, Add</i>	235.50	
<i>For 2 To 5 Manholes, Deduct</i>	-16.56	
<i>For 6 To 10 Manholes, Deduct</i>	-27.00	
<i>For &gt;10 Manholes, Deduct</i>	-54.01	

**33 Utilities****33 05 Common Work Results for Utilities****33 05 84 Accessories for Utility Structures**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 84 00-0060 VLF 60 Mil Polyurethane Coating Of 4' Diameter Manhole Interior .....	270.38	
For 80 Mil Material, Add	41.29	
For 100 Mil Material, Add	82.57	
For 125 Mil Material, Add	130.63	
For 150 Mil Material, Add	178.70	
For 200 Mil Material, Add	265.37	
For 2 To 5 Manholes, Deduct	-18.25	
For 6 To 10 Manholes, Deduct	-29.73	
For >10 Manholes, Deduct	-59.46	
33 05 84 00-0061 VLF 60 Mil Polyurethane Coating Of 5' Diameter Manhole Interior .....	338.03	
For 80 Mil Material, Add	51.63	
For 100 Mil Material, Add	103.25	
For 125 Mil Material, Add	163.36	
For 150 Mil Material, Add	223.46	
For 200 Mil Material, Add	331.85	
For 2 To 5 Manholes, Deduct	-22.81	
For 6 To 10 Manholes, Deduct	-37.17	
For >10 Manholes, Deduct	-74.34	
33 05 84 00-0062 VLF 60 Mil Polyurethane Coating Of 6' Diameter Manhole Interior .....	393.02	
For 80 Mil Material, Add	61.00	
For 100 Mil Material, Add	122.01	
For 125 Mil Material, Add	193.18	
For 150 Mil Material, Add	264.35	
For 200 Mil Material, Add	393.15	
For 2 To 5 Manholes, Deduct	-26.43	
For 6 To 10 Manholes, Deduct	-43.03	
For >10 Manholes, Deduct	-86.05	
<b>33 05 84 00-0063 Polyvinyl Chloride (PVC) Liner</b> <small>(33 05 84 00-0056)</small>		
Note: For new manholes and shop applied.		
33 05 84 00-0064 VLF 3' Diameter Polyvinyl Chloride (PVC) Liner For New Manhole .....	286.75	
33 05 84 00-0065 VLF 3-1/2' Diameter Polyvinyl Chloride (PVC) Liner For New Manhole .....	351.50	
33 05 84 00-0066 VLF 4' Diameter Polyvinyl Chloride (PVC) Liner For New Manhole .....	428.96	
33 05 84 00-0067 VLF 5' Diameter Polyvinyl Chloride (PVC) Liner For New Manhole .....	538.69	
33 05 84 00-0068 VLF 6' Diameter Polyvinyl Chloride (PVC) Liner For New Manhole .....	648.42	
33 05 84 00-0069 SF Polyvinyl Chloride (PVC) Liner At Structures .....	82.17	
<b>33 05 84 00-0070 Concrete Grade Extensions/Grade Rings</b> <small>(33 05 84 00-0001)</small>		
<b>33 05 84 00-0071 18" Diameter, Concrete Grade Extensions/Grade Rings</b> <small>(33 05 84 00-0070)</small>		
33 05 84 00-0072 EA 4" Rise, 18" Diameter, Concrete Grade Extensions/Grade Rings .....	88.87	
33 05 84 00-0073 EA 6" Rise, 18" Diameter, Concrete Grade Extensions/Grade Ring .....	97.30	
33 05 84 00-0074 EA 8" Rise, 18" Diameter, Concrete Grade Extensions/Grade Ring .....	105.72	
33 05 84 00-0075 EA 10" Rise, 18" Diameter, Concrete Grade Extensions/Grade Ring .....	114.15	
<b>33 05 84 00-0076 24" Diameter, Concrete Grade Extensions/Grade Rings</b> <small>(33 05 84 00-0070)</small>		
33 05 84 00-0077 EA 4" Rise, 24" Diameter, Concrete Grade Extensions/Grade Ring .....	99.81	
33 05 84 00-0078 EA 6" Rise, 24" Diameter, Concrete Grade Extensions/Grade Ring .....	109.38	
33 05 84 00-0079 EA 8" Rise, 24" Diameter, Concrete Grade Extensions/Grade Ring .....	118.96	
33 05 84 00-0080 EA 10" Rise, 24" Diameter, Concrete Grade Extensions/Grade Ring .....	128.53	
<b>33 05 84 00-0081 30" Diameter, Concrete Grade Extensions/Grade Rings</b> <small>(33 05 84 00-0070)</small>		
33 05 84 00-0082 EA 4" Rise, 30" Diameter, Concrete Grade Extensions/Grade Ring .....	110.52	
33 05 84 00-0083 EA 6" Rise, 30" Diameter, Concrete Grade Extensions/Grade Ring .....	121.19	
33 05 84 00-0084 EA 8" Rise, 30" Diameter, Concrete Grade Extensions/Grade Ring .....	131.87	
33 05 84 00-0085 EA 10" Rise, 30" Diameter, Concrete Grade Extensions/Grade Ring .....	142.54	
<b>33 05 84 00-0086 Bentonite Collar</b> <small>(33 05 84 00-0001)</small>		
<b>33 05 84 00-0087 Bentonite Collar At Manhole Connections</b> <small>(33 05 84 00-0086)</small>		
33 05 84 00-0088 EA Up To 12" Pipe, Bentonite Collar At Manhole Connection .....	143.82	
33 05 84 00-0089 EA >12" To 21", Bentonite Collar At Manhole Connection .....	227.70	
33 05 84 00-0090 EA >21" To 30" Pipe, Bentonite Collar At Manhole Connection .....	359.58	
33 05 84 00-0091 EA >30" To 36" Pipe, Bentonite Collar At Manhole Connection .....	839.07	
33 05 84 00-0092 EA >36" To 48" Pipe, Bentonite Collar At Manhole Connection .....	1,318.25	
33 05 84 00-0093 EA >48" To 60" Pipe, Bentonite Collar At Manhole Connection .....	2,396.73	
<b>33 05 84 00-0094 Expanded Polypropylene (EPP) Finish Ring</b> <small>(33 05 84 00-0001)</small>		
33 05 84 00-0095 EA 34" Diameter OD x 3/4" Height Expanded Polypropylene (EPP) Finish Ring .....	103.07	
33 05 84 00-0096 EA 34" Diameter OD x 1" Height Expanded Polypropylene (EPP) Finish Ring .....	105.34	
33 05 84 00-0097 EA 34" Diameter OD x 1-1/4" Height Expanded Polypropylene (EPP) Finish Ring .....	112.02	
33 05 84 00-0098 EA 34" Diameter OD x 1-1/2" Height Expanded Polypropylene (EPP) Finish Ring .....	118.69	
33 05 84 00-0099 EA 34" Diameter OD x 1-3/4" Height Expanded Polypropylene (EPP) Finish Ring .....	125.36	
33 05 84 00-0100 EA 34" Diameter OD x 2" Height Expanded Polypropylene (EPP) Finish Ring .....	132.04	
33 05 84 00-0101 EA 34" Diameter OD x 2-1/2" Height Expanded Polypropylene (EPP) Finish Ring .....	143.98	
33 05 84 00-0102 EA 34" Diameter OD x 3/4" To 1-3/4" Angle Height Expanded Polypropylene (EPP) Finish Ring .....	115.55	
33 05 84 00-0103 EA 36" Diameter OD x 3/4" Height Expanded Polypropylene (EPP) Finish Ring .....	108.68	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 84 00-0104	EA			36" Diameter OD x 1" Height Expanded Polypropylene (EPP) Finish Ring.....	111.12	
33 05 84 00-0105	EA			36" Diameter OD x 1-1/4" Height Expanded Polypropylene (EPP) Finish Ring.....	118.25	
33 05 84 00-0106	EA			36" Diameter OD x 1-1/2" Height Expanded Polypropylene (EPP) Finish Ring.....	125.39	
33 05 84 00-0107	EA			36" Diameter OD x 1-3/4" Height Expanded Polypropylene (EPP) Finish Ring.....	132.53	
33 05 84 00-0108	EA			36" Diameter OD x 2" Height Expanded Polypropylene (EPP) Finish Ring.....	139.67	
33 05 84 00-0109	EA			36" Diameter OD x 2-1/2" Height Expanded Polypropylene (EPP) Finish Ring.....	152.44	
33 05 84 00-0110	EA			36" Diameter OD x 3/4" To 1-3/4" Angle Height Expanded Polypropylene (EPP) Finish Ring.....	122.04	
33 05 84 00-0111	EA			40" Diameter OD x 3/4" Height Expanded Polypropylene (EPP) Finish Ring.....	121.42	
33 05 84 00-0112	EA			40" Diameter OD x 1" Height Expanded Polypropylene (EPP) Finish Ring.....	124.40	
33 05 84 00-0113	EA			40" Diameter OD x 1-1/4" Height Expanded Polypropylene (EPP) Finish Ring.....	133.31	
33 05 84 00-0114	EA			40" Diameter OD x 1-1/2" Height Expanded Polypropylene (EPP) Finish Ring.....	142.22	
33 05 84 00-0115	EA			40" Diameter OD x 1-3/4" Height Expanded Polypropylene (EPP) Finish Ring.....	150.00	
33 05 84 00-0116	EA			40" Diameter OD x 2" Height Expanded Polypropylene (EPP) Finish Ring.....	157.77	
33 05 84 00-0117	EA			40" Diameter OD x 2-1/2" Height Expanded Polypropylene (EPP) Finish Ring.....	170.89	
33 05 84 00-0118	EA			40" Diameter OD x 3/4" To 1-3/4" Angle Height Expanded Polypropylene (EPP) Finish Ring.....	137.74	
33 05 84 00-0119	EA			46" Diameter OD x 3/4" Height Expanded Polypropylene (EPP) Finish Ring.....	135.48	
33 05 84 00-0120	EA			46" Diameter OD x 1" Height Expanded Polypropylene (EPP) Finish Ring.....	139.06	
33 05 84 00-0121	EA			46" Diameter OD x 1-1/4" Height Expanded Polypropylene (EPP) Finish Ring.....	149.97	
33 05 84 00-0122	EA			46" Diameter OD x 1-1/2" Height Expanded Polypropylene (EPP) Finish Ring.....	160.88	
33 05 84 00-0123	EA			46" Diameter OD x 1-3/4" Height Expanded Polypropylene (EPP) Finish Ring.....	169.36	
33 05 84 00-0124	EA			46" Diameter OD x 2" Height Expanded Polypropylene (EPP) Finish Ring.....	177.85	
33 05 84 00-0125	EA			46" Diameter OD x 2-1/2" Height Expanded Polypropylene (EPP) Finish Ring.....	191.39	
33 05 84 00-0126	EA			46" Diameter OD x 3/4" To 1-3/4" Angle Height Expanded Polypropylene (EPP) Finish Ring.....	155.12	

**33 05 84 00-0127 Expanded Polypropylene (EPP) Grade Ring** (33 05 84 00-0001)

33 05 84 00-0128	EA			34" Diameter OD x 2" Height, Expanded Polypropylene (EPP) Grade Ring.....	132.04	
33 05 84 00-0129	EA			34" Diameter OD x 4" Height, Expanded Polypropylene (EPP) Grade Ring.....	184.32	
33 05 84 00-0130	EA			34" Diameter OD x 6" Height, Expanded Polypropylene (EPP) Grade Ring.....	232.15	
33 05 84 00-0131	EA			36" Diameter OD x 2" Height, Expanded Polypropylene (EPP) Grade Ring.....	139.67	
33 05 84 00-0132	EA			36" Diameter OD x 4" Height, Expanded Polypropylene (EPP) Grade Ring.....	195.58	
33 05 84 00-0133	EA			36" Diameter OD x 6" Height, Expanded Polypropylene (EPP) Grade Ring.....	246.74	
33 05 84 00-0134	EA			40" Diameter OD x 2" Height, Expanded Polypropylene (EPP) Grade Ring.....	157.77	
33 05 84 00-0135	EA			40" Diameter OD x 4" Height, Expanded Polypropylene (EPP) Grade Ring.....	219.30	
33 05 84 00-0136	EA			40" Diameter OD x 6" Height, Expanded Polypropylene (EPP) Grade Ring.....	276.04	
33 05 84 00-0137	EA			46" Diameter OD x 2" Height, Expanded Polypropylene (EPP) Grade Ring.....	177.85	
33 05 84 00-0138	EA			46" Diameter OD x 4" Height, Expanded Polypropylene (EPP) Grade Ring.....	245.74	
33 05 84 00-0139	EA			46" Diameter OD x 6" Height, Expanded Polypropylene (EPP) Grade Ring.....	308.78	

**33 05 84 00-0140 Waste Water Collection System Taps** (33 05 84)

Note: For tapping existing structures only. Includes grout.

**33 05 84 00-0141 Brick Manhole Taps** (33 05 84 00-0140)

33 05 84 00-0142	EA			4" Tap In 6" Brick Manhole.....	544.09	
33 05 84 00-0143	EA			6" Tap In 6" Brick Manhole.....	607.31	
33 05 84 00-0144	EA			8" Tap In 6" Brick Manhole.....	669.39	
33 05 84 00-0145	EA			10" Tap In 6" Brick Manhole.....	731.36	
33 05 84 00-0146	EA			12" Tap In 6" Brick Manhole.....	807.88	
33 05 84 00-0147	EA			15" Tap In 6" Brick Manhole.....	869.72	

**33 05 84 00-0148 Precast Concrete Manhole Tap** (33 05 84 00-0140)

33 05 84 00-0149	EA			4" Tap In Existing Precast Concrete Manhole.....	792.13	
33 05 84 00-0150	EA			6" Tap In Existing Precast Concrete Manhole.....	886.96	
33 05 84 00-0151	EA			8" Tap In Existing Precast Concrete Manhole.....	992.50	
33 05 84 00-0152	EA			10" Tap In Existing Precast Concrete Manhole.....	1,085.43	
33 05 84 00-0153	EA			12" Tap In Existing Precast Concrete Manhole.....	1,178.19	
33 05 84 00-0154	EA			15" Tap In Existing Precast Concrete Manhole.....	1,273.20	
33 05 84 00-0155	EA			18" Tap In Existing Precast Concrete Manhole.....	1,467.97	
33 05 84 00-0156	EA			24" Tap In Existing Precast Concrete Manhole.....	1,888.69	

**33 05 97 Identification and Signage for Utilities** (33 05)

**33 05 97 16 Markers for Utility Identification** (33 05 97)

**33 05 97 16-0001 Reflective Sheeting Delineators** (33 05 97 16)

33 05 97 16-0002	EA			Delineator, Single Unit One Way On Post, 3" Diameter or 3" x 3" Square.....	44.87	
33 05 97 16-0003	EA			Delineator, Single Unit Back To Back On Post, 3" Diameter or 3" x 3" Square.....	47.97	
33 05 97 16-0004	EA			Delineator, Single Unit Two Way On Post, 3" Diameter or 3" x 3" Square.....	54.17	
33 05 97 16-0005	EA			Delineator, Single Unit Three Way On Post, 3" Diameter or 3" x 3" Square.....	57.27	
33 05 97 16-0006	EA			Delineator, Single Unit Four Way On Post, 3" Diameter or 3" x 3" Square.....	60.36	
33 05 97 16-0007	EA			Delineator, Double Unit On Post, 3" Diameter or 3" x 3" Square.....	51.84	
33 05 97 16-0008	EA			Delineator, Single Unit Band Or Bracket Mounted, 3" Diameter or 3" x 3" Square.....	45.64	
33 05 97 16-0009	EA			Delineator, Double Unit Band Or Bracket Mounted, 3" Diameter or 3" x 3" Square.....	48.74	
33 05 97 16-0010	EA			Delineator, Single Unit, Back To Back, Band Or Bracket Mounted, 3" Diameter or 3" x 3" Square.....	48.74	
33 05 97 16-0011	EA			Delineator, Single Unit, Two Way, Band Or Bracket Mounted, 3" Diameter or 3" x 3" Square.....	51.84	
33 05 97 16-0012	EA			Delineator, Single Unit, Three Way, Band Or Bracket Mounted, 3" Diameter or 3" x 3" Square.....	54.94	
33 05 97 16-0013	EA			Delineator, Single Unit, Four Way, Band Or Bracket Mounted, 3" Diameter or 3" x 3" Square.....	58.04	

**33 Utilities****33 05 Common Work Results for Utilities****33 05 97 Identification and Signage for Utilities**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 97 16-0014 EA Delineator, White, Single Unit, One Way On 48" Ground Mounted (Driven) Flexible Post Or 30" Surface Mounted, 3" Diameter or 3" x 3" Square.....	85.93	
33 05 97 16-0015 EA Delineator, Single Unit Three Way On 48" Ground Mounted (Driven) Flexible Post Or 30" Surface Mounted, 3" Diameter or 3" x 3" Square .....	57.27	
33 05 97 16-0016 EA Delineator, White, Double Unit On 48" Ground Mounted (Driven) Flexible Post Or 30" Surface Mounted, 3" Diameter or 3" x 3" Square .....	89.81	
33 05 97 16-0017 EA Delineator, Yellow, Single Unit, One Way On 48" Ground Mounted (Driven) Flexible Post Or 30" Surface Mounted, 3" Diameter or 3" x 3" Square .....	85.93	
33 05 97 16-0018 EA Delineator, Yellow, Single Unit, Back To Back On 48" Ground Mounted (Driven) Flexible Post Or 30" Surface Mounted, 3" Diameter or 3" x 3" Square.....	89.03	
33 05 97 16-0019 EA Delineator, Yellow, Double Unit, On 48" Ground Mounted (Driven) Flexible Post Or 30" Surface Mounted, 3" Diameter or 3" x 3" Square .....	89.81	
33 05 97 16-0020 EA Relocate Delineator .....	56.85	
<b>33 05 97 16-0021 Reference Markers (33 05 97 16)</b>		
33 05 97 16-0022 EA Reference Marker, 4' Mounting Height .....	92.22	
33 05 97 16-0023 EA Reference Marker, 7' Mounting Height .....	115.61	
33 05 97 16-0024 EA Reference Marker, Band Or Bracket Mounted.....	108.79	
33 05 97 16-0025 EA Reference Marker, Furnish Panel Only.....	100.36	
33 05 97 16-0026 EA Relocate Reference Marker.....	56.85	
<b>33 05 97 16-0027 Object Markers (33 05 97 16)</b>		
33 05 97 16-0028 EA Object Marker, Type L-1.....	91.45	
33 05 97 16-0029 EA Object Marker, Type L-2.....	83.98	
33 05 97 16-0030 EA Object Marker, Type K-1.....	97.43	
33 05 97 16-0031 EA Object Marker, Type K-2.....	89.96	
33 05 97 16-0032 EA Object Marker, Type Q.....	60.07	
<b>33 05 97 23 Utility Identification Warning Tape (33 05 97)</b>		
<b>33 05 97 23-0001 Non-Detectable Utility Warning Tape (33 05 97 23)</b>		
Note: Labor installation is included with pipe and excavation..		
33 05 97 23-0002 CLF 3" Non-Detectable Utility Warning Tape .....	7.70	
33 05 97 23-0003 CLF 6" Non-Detectable Utility Warning Tape .....	11.00	
<b>33 05 97 23-0004 Detectable Utility Warning Tape (33 05 97 23)</b>		
Note: Labor installation is included with pipe and excavation..		
33 05 97 23-0005 CLF 2" Detectable Utility Warning Tape .....	7.87	
33 05 97 23-0006 CLF 3" Detectable Utility Warning Tape .....	10.85	
33 05 97 23-0007 CLF 6" Detectable Utility Warning Tape .....	17.61	
<b>33 10 Water Utilities (33)</b>		
<b>33 11 Groundwater Sources (33 10)</b>		
<b>33 11 13 Potable Water Supply Wells (33 11)</b>		
<b>33 11 13 00-0001 Drill And Test Water Well (33 11 13)</b>		
<b>33 11 13 00-0002 Drill Hole (33 11 13 00-0001)</b>		
Note: Excludes loading and hauling of spoils.		
<b>33 11 13 00-0003 Mobilization And Demobilization (33 11 13 00-0002)</b>		
33 11 13 00-0004 EA Up To 12" Diameter, Well Drilling Mobilization And Demobilization.....	1,042.96	
33 11 13 00-0005 EA >12" To 24" Diameter, Well Drilling Mobilization And Demobilization .....	1,270.50	
33 11 13 00-0006 EA >24" To 36" Diameter, Well Drilling Mobilization And Demobilization .....	1,905.75	
<b>33 11 13 00-0007 Drill Hole In Normal Soil, Sand, Gravel, O.B. (33 11 13 00-0002)</b>		
Note: Excludes well casing, gravel or materials.		
33 11 13 00-0008 LF Up To 6" Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.....	24.62	
For >100 To 250, Add	0.62	
For >250 To 400, Add	1.23	
For >400 To 600, Add	1.85	
For >600 To 750, Add	2.46	
For >750, Add	3.08	
33 11 13 00-0009 LF 8" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B. ....	29.22	
For >100 To 250, Add	0.73	
For >250 To 400, Add	1.46	
For >400 To 600, Add	2.19	
For >600 To 750, Add	2.92	
For >750, Add	3.65	
33 11 13 00-0010 LF 10" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B. ....	39.07	
For >100 To 250, Add	0.98	
For >250 To 400, Add	1.95	
For >400 To 600, Add	2.93	
For >600 To 750, Add	3.91	
For >750, Add	4.88	





<b>Utilities</b>	<b>33</b>	<b>CS</b>
<b>Water Utilities</b>	<b>33 10</b>	
<b>Groundwater Sources</b>	<b>33 11</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 00-0011 LF 12" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B. ....	61.15	
<i>For &gt;100 To 250, Add</i>	1.53	
<i>For &gt;250 To 400, Add</i>	3.06	
<i>For &gt;400 To 600, Add</i>	4.59	
<i>For &gt;600 To 750, Add</i>	6.12	
<i>For &gt;750, Add</i>	7.64	
33 11 13 00-0012 LF 14" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B. ....	87.98	
<i>For &gt;100 To 250, Add</i>	2.20	
<i>For &gt;250 To 400, Add</i>	4.40	
<i>For &gt;400 To 600, Add</i>	6.60	
<i>For &gt;600 To 750, Add</i>	8.80	
<i>For &gt;750, Add</i>	11.00	
33 11 13 00-0013 LF 16" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B. ....	114.98	
<i>For &gt;100 To 250, Add</i>	2.87	
<i>For &gt;250 To 400, Add</i>	5.75	
<i>For &gt;400 To 600, Add</i>	8.62	
<i>For &gt;600 To 750, Add</i>	11.50	
<i>For &gt;750, Add</i>	14.37	
33 11 13 00-0014 LF 18" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B. ....	136.58	
<i>For &gt;100 To 250, Add</i>	3.41	
<i>For &gt;250 To 400, Add</i>	6.83	
<i>For &gt;400 To 600, Add</i>	10.24	
<i>For &gt;600 To 750, Add</i>	13.66	
<i>For &gt;750, Add</i>	17.07	
33 11 13 00-0015 LF 20" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B. ....	158.81	
<i>For &gt;100 To 250, Add</i>	3.97	
<i>For &gt;250 To 400, Add</i>	7.94	
<i>For &gt;400 To 600, Add</i>	11.91	
<i>For &gt;600 To 750, Add</i>	15.88	
<i>For &gt;750, Add</i>	19.85	
33 11 13 00-0016 LF 22" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B. ....	186.60	
<i>For &gt;100 To 250, Add</i>	4.67	
<i>For &gt;250 To 400, Add</i>	9.33	
<i>For &gt;400 To 600, Add</i>	14.00	
<i>For &gt;600 To 750, Add</i>	18.66	
<i>For &gt;750, Add</i>	23.33	
33 11 13 00-0017 LF 24" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B. ....	219.96	
<i>For &gt;100 To 250, Add</i>	5.50	
<i>For &gt;250 To 400, Add</i>	11.00	
<i>For &gt;400 To 600, Add</i>	16.50	
<i>For &gt;600 To 750, Add</i>	22.00	
<i>For &gt;750, Add</i>	27.50	
33 11 13 00-0018 LF 26" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B. ....	237.75	
<i>For &gt;100 To 250, Add</i>	5.94	
<i>For &gt;250 To 400, Add</i>	11.89	
<i>For &gt;400 To 600, Add</i>	17.83	
<i>For &gt;600 To 750, Add</i>	23.78	
<i>For &gt;750, Add</i>	29.72	
33 11 13 00-0019 LF 28" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B. ....	261.56	
<i>For &gt;100 To 250, Add</i>	6.54	
<i>For &gt;250 To 400, Add</i>	13.08	
<i>For &gt;400 To 600, Add</i>	19.62	
<i>For &gt;600 To 750, Add</i>	26.16	
<i>For &gt;750, Add</i>	32.70	
33 11 13 00-0020 LF 30" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B. ....	286.50	
<i>For &gt;100 To 250, Add</i>	7.16	
<i>For &gt;250 To 400, Add</i>	14.33	
<i>For &gt;400 To 600, Add</i>	21.49	
<i>For &gt;600 To 750, Add</i>	28.65	
<i>For &gt;750, Add</i>	35.81	
33 11 13 00-0021 LF 36" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B. ....	356.37	
<i>For &gt;100 To 250, Add</i>	8.91	
<i>For &gt;250 To 400, Add</i>	17.82	
<i>For &gt;400 To 600, Add</i>	26.73	
<i>For &gt;600 To 750, Add</i>	35.64	
<i>For &gt;750, Add</i>	44.55	
<b>33 11 13 00-0022 Drill Hole In Sedimentary Rock (33 11 13 00-0002) .....</b>	<b>50.18</b>	
33 11 13 00-0023 LF 6" Water Well Hole Drilled In Sedimentary Rock .....	50.18	
<i>For &gt;100 To 250, Add</i>	1.25	
<i>For &gt;250 To 400, Add</i>	2.51	
<i>For &gt;400 To 600, Add</i>	3.76	
<i>For &gt;600 To 750, Add</i>	5.02	
<i>For &gt;750, Add</i>	6.27	
33 11 13 00-0024 LF 8" Water Well Hole Drilled In Sedimentary Rock .....	58.44	
<i>For &gt;100 To 250, Add</i>	1.46	
<i>For &gt;250 To 400, Add</i>	2.92	
<i>For &gt;400 To 600, Add</i>	4.38	
<i>For &gt;600 To 750, Add</i>	5.84	
<i>For &gt;750, Add</i>	7.31	

<b>33</b>	<b>Utilities</b>
<b>33 10</b>	<b>Water Utilities</b>
<b>33 11</b>	<b>Groundwater Sources</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 11 13 00-0025	LF 10" Water Well Hole Drilled In Sedimentary Rock	93.57	
	For>100 To 250, Add	2.34	
	For>250 To 400, Add	4.68	
	For>400 To 600, Add	7.02	
	For>600 To 750, Add	9.36	
	For>750, Add	11.70	
33 11 13 00-0026	LF 12" Water Well Hole Drilled In Sedimentary Rock	122.35	
	For>100 To 250, Add	3.06	
	For>250 To 400, Add	6.12	
	For>400 To 600, Add	9.18	
	For>600 To 750, Add	12.24	
	For>750, Add	15.29	
33 11 13 00-0027	LF 14" Water Well Hole Drilled In Sedimentary Rock	176.09	
	For>100 To 250, Add	4.40	
	For>250 To 400, Add	8.80	
	For>400 To 600, Add	13.21	
	For>600 To 750, Add	17.61	
	For>750, Add	22.01	
33 11 13 00-0028	LF 16" Water Well Hole Drilled In Sedimentary Rock	229.83	
	For>100 To 250, Add	5.75	
	For>250 To 400, Add	11.49	
	For>400 To 600, Add	17.24	
	For>600 To 750, Add	22.98	
	For>750, Add	28.73	
33 11 13 00-0029	LF 18" Water Well Hole Drilled In Sedimentary Rock	273.28	
	For>100 To 250, Add	6.83	
	For>250 To 400, Add	13.66	
	For>400 To 600, Add	20.50	
	For>600 To 750, Add	27.33	
	For>750, Add	34.16	
33 11 13 00-0030	LF 20" Water Well Hole Drilled In Sedimentary Rock	317.11	
	For>100 To 250, Add	7.93	
	For>250 To 400, Add	15.86	
	For>400 To 600, Add	23.78	
	For>600 To 750, Add	31.71	
	For>750, Add	39.64	
33 11 13 00-0031	LF 22" Water Well Hole Drilled In Sedimentary Rock	373.53	
	For>100 To 250, Add	9.34	
	For>250 To 400, Add	18.68	
	For>400 To 600, Add	28.01	
	For>600 To 750, Add	37.35	
	For>750, Add	46.69	
33 11 13 00-0032	LF 24" Water Well Hole Drilled In Sedimentary Rock	431.46	
	For>100 To 250, Add	10.79	
	For>250 To 400, Add	21.57	
	For>400 To 600, Add	32.36	
	For>600 To 750, Add	43.15	
	For>750, Add	53.93	
33 11 13 00-0033	LF 26" Water Well Hole Drilled In Sedimentary Rock	475.48	
	For>100 To 250, Add	11.89	
	For>250 To 400, Add	23.77	
	For>400 To 600, Add	35.66	
	For>600 To 750, Add	47.55	
	For>750, Add	59.44	
33 11 13 00-0034	LF 28" Water Well Hole Drilled In Sedimentary Rock	523.13	
	For>100 To 250, Add	13.08	
	For>250 To 400, Add	26.16	
	For>400 To 600, Add	39.23	
	For>600 To 750, Add	52.31	
	For>750, Add	65.39	
33 11 13 00-0035	LF 30" Water Well Hole Drilled In Sedimentary Rock	572.99	
	For>100 To 250, Add	14.32	
	For>250 To 400, Add	28.65	
	For>400 To 600, Add	42.97	
	For>600 To 750, Add	57.30	
	For>750, Add	71.62	
33 11 13 00-0036	LF 36" Water Well Hole Drilled In Sedimentary Rock	712.74	
	For>100 To 250, Add	17.82	
	For>250 To 400, Add	35.64	
	For>400 To 600, Add	53.46	
	For>600 To 750, Add	71.27	
	For>750, Add	89.09	

**33 11 13 00-0037 Drill Hole In Crystalline Rock** (33 11 13 00-0002)

33 11 13 00-0038	LF 6" Water Well Hole Drilled In Crystalline Rock	103.22	
	For>100 To 250, Add	2.58	
	For>250 To 400, Add	5.16	
	For>400 To 600, Add	7.74	
	For>600 To 750, Add	10.32	
	For>750, Add	12.90	



	<b>Utilities</b>	<b>33</b>	
	<b>Water Utilities</b>	<b>33 10</b>	<b>33</b>
	<b>Groundwater Sources</b>	<b>33 11</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 00-0039 LF 8" Water Well Hole Drilled In Crystalline Rock.....	119.11	
For >100 To 250, Add	2.98	
For >250 To 400, Add	5.96	
For >400 To 600, Add	8.93	
For >600 To 750, Add	11.91	
For >750, Add	14.89	
33 11 13 00-0040 LF 10" Water Well Hole Drilled In Crystalline Rock.....	136.58	
For >100 To 250, Add	3.41	
For >250 To 400, Add	6.83	
For >400 To 600, Add	10.24	
For >600 To 750, Add	13.66	
For >750, Add	17.07	
33 11 13 00-0041 LF 12" Water Well Hole Drilled In Crystalline Rock.....	173.11	
For >100 To 250, Add	4.33	
For >250 To 400, Add	8.66	
For >400 To 600, Add	12.98	
For >600 To 750, Add	17.31	
For >750, Add	21.64	
33 11 13 00-0042 LF 14" Water Well Hole Drilled In Crystalline Rock.....	223.93	
For >100 To 250, Add	5.60	
For >250 To 400, Add	11.20	
For >400 To 600, Add	16.79	
For >600 To 750, Add	22.39	
For >750, Add	27.99	
33 11 13 00-0043 LF 16" Water Well Hole Drilled In Crystalline Rock.....	325.56	
For >100 To 250, Add	8.14	
For >250 To 400, Add	16.28	
For >400 To 600, Add	24.42	
For >600 To 750, Add	32.56	
For >750, Add	40.70	
33 11 13 00-0044 LF 18" Water Well Hole Drilled In Crystalline Rock.....	387.50	
For >100 To 250, Add	9.69	
For >250 To 400, Add	19.38	
For >400 To 600, Add	29.06	
For >600 To 750, Add	38.75	
For >750, Add	48.44	
33 11 13 00-0045 LF 20" Water Well Hole Drilled In Crystalline Rock.....	449.44	
For >100 To 250, Add	11.24	
For >250 To 400, Add	22.47	
For >400 To 600, Add	33.71	
For >600 To 750, Add	44.94	
For >750, Add	56.18	
33 11 13 00-0046 LF 22" Water Well Hole Drilled In Crystalline Rock.....	528.85	
For >100 To 250, Add	13.22	
For >250 To 400, Add	26.44	
For >400 To 600, Add	39.66	
For >600 To 750, Add	52.89	
For >750, Add	66.11	
33 11 13 00-0047 LF 24" Water Well Hole Drilled In Crystalline Rock.....	611.43	
For >100 To 250, Add	15.29	
For >250 To 400, Add	30.57	
For >400 To 600, Add	45.86	
For >600 To 750, Add	61.14	
For >750, Add	76.43	
33 11 13 00-0048 Furnish And Install Casing <small>(33 11 13 00-0001)</small>		
Note: Excludes drilling of hole.		
33 11 13 00-0049 Steel Well Casing <small>(33 11 13 00-0048)</small>		
33 11 13 00-0050 LF 6" Diameter, Steel Well Casing, Flush.....	46.59	
For >100 To 250, Deduct	-1.37	
For >250 To 400, Deduct	-2.54	
For >400 To 600, Deduct	-3.80	
For >600 To 750, Deduct	-5.07	
For >750, Deduct	-6.61	
33 11 13 00-0051 LF 8" Diameter, Steel Well Casing, Flush.....	57.92	
For >100 To 250, Deduct	-1.71	
For >250 To 400, Deduct	-3.15	
For >400 To 600, Deduct	-4.73	
For >600 To 750, Deduct	-6.31	
For >750, Deduct	-8.22	
33 11 13 00-0052 LF 10" Diameter, Steel Well Casing, Flush.....	86.26	
For >100 To 250, Deduct	-2.47	
For >250 To 400, Deduct	-4.62	
For >400 To 600, Deduct	-6.94	
For >600 To 750, Deduct	-9.25	
For >750, Deduct	-11.96	
33 11 13 00-0053 LF 12" Diameter, Steel Well Casing, Flush.....	145.72	
For >100 To 250, Deduct	-4.02	
For >250 To 400, Deduct	-7.66	
For >400 To 600, Deduct	-11.49	
For >600 To 750, Deduct	-15.32	
For >750, Deduct	-19.63	

<b>33</b>	<b>Utilities</b>
<b>33 10</b>	<b>Water Utilities</b>
<b>33 11</b>	<b>Groundwater Sources</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 00-0054 LF 14" Diameter, Steel Well Casing, Flush .....	162.76	
For>100 To 250, Deduct	-4.59	
For>250 To 400, Deduct	-8.66	
For>400 To 600, Deduct	-12.98	
For>600 To 750, Deduct	-17.31	
For>750, Deduct	-22.31	
33 11 13 00-0055 LF 16" Diameter, Steel Well Casing, Flush .....	190.86	
For>100 To 250, Deduct	-5.41	
For>250 To 400, Deduct	-10.18	
For>400 To 600, Deduct	-15.28	
For>600 To 750, Deduct	-20.37	
For>750, Deduct	-26.30	
33 11 13 00-0056 LF 18" Diameter, Steel Well Casing, Flush .....	217.26	
For>100 To 250, Deduct	-6.24	
For>250 To 400, Deduct	-11.67	
For>400 To 600, Deduct	-17.51	
For>600 To 750, Deduct	-23.34	
For>750, Deduct	-30.23	
33 11 13 00-0057 LF 20" Diameter, Steel Well Casing, Flush .....	247.20	
For>100 To 250, Deduct	-7.17	
For>250 To 400, Deduct	-13.35	
For>400 To 600, Deduct	-20.03	
For>600 To 750, Deduct	-26.71	
For>750, Deduct	-34.68	
33 11 13 00-0058 LF 24" Diameter, Steel Well Casing, Flush .....	289.20	
For>100 To 250, Deduct	-8.35	
For>250 To 400, Deduct	-15.58	
For>400 To 600, Deduct	-23.37	
For>600 To 750, Deduct	-31.16	
For>750, Deduct	-40.40	
33 11 13 00-0059 LB Steel Well Casing, Furnish And Install .....	1.46	
For>100 To 250, Deduct	-0.05	
For>250 To 400, Deduct	-0.09	
For>400 To 600, Deduct	-0.13	
For>600 To 750, Deduct	-0.17	
For>750, Deduct	-0.24	
<b>33 11 13 00-0060 Stainless Steel Well Casing, Flush Threaded</b> (33 11 13 00-0048)		
33 11 13 00-0061 LF 6" Diameter, Stainless Steel Well Casing, Flush .....	104.81	
For>100 To 250, Deduct	-2.83	
For>250 To 400, Deduct	-5.45	
For>400 To 600, Deduct	-8.17	
For>600 To 750, Deduct	-10.89	
For>750, Deduct	-13.89	
33 11 13 00-0062 LF 8" Diameter, Stainless Steel Well Casing, Flush .....	158.16	
For>100 To 250, Deduct	-4.21	
For>250 To 400, Deduct	-8.17	
For>400 To 600, Deduct	-12.25	
For>600 To 750, Deduct	-16.33	
For>750, Deduct	-20.75	
33 11 13 00-0063 LF 10" Diameter, Stainless Steel Well Casing, Flush .....	221.40	
For>100 To 250, Deduct	-5.87	
For>250 To 400, Deduct	-11.40	
For>400 To 600, Deduct	-17.10	
For>600 To 750, Deduct	-22.80	
For>750, Deduct	-28.93	
33 11 13 00-0064 LF 12" Diameter, Stainless Steel Well Casing, Flush .....	257.37	
For>100 To 250, Deduct	-6.83	
For>250 To 400, Deduct	-13.26	
For>400 To 600, Deduct	-19.89	
For>600 To 750, Deduct	-26.52	
For>750, Deduct	-33.67	
<b>33 11 13 00-0065 Stainless Steel Well Casing, Welded Ring</b> (33 11 13 00-0048)		
33 11 13 00-0066 LF 10" Diameter, Stainless Steel Well Casing, Welded .....	231.34	
For>100 To 250, Deduct	-6.36	
For>250 To 400, Deduct	-12.15	
For>400 To 600, Deduct	-18.22	
For>600 To 750, Deduct	-24.29	
For>750, Deduct	-31.12	
33 11 13 00-0067 LF 12" Diameter, Stainless Steel Well Casing, Welded .....	268.13	
For>100 To 250, Deduct	-7.37	
For>250 To 400, Deduct	-14.07	
For>400 To 600, Deduct	-21.10	
For>600 To 750, Deduct	-28.14	
For>750, Deduct	-36.03	
33 11 13 00-0068 LF 14" Diameter, Stainless Steel Well Casing, Welded .....	322.96	
For>100 To 250, Deduct	-8.82	
For>250 To 400, Deduct	-16.89	
For>400 To 600, Deduct	-25.34	
For>600 To 750, Deduct	-33.79	
For>750, Deduct	-43.20	



<b>Utilities</b>	<b>33</b>	<b>CS</b>
Water Utilities	33 10	
Groundwater Sources	33 11	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 00-0069 LF 16" Diameter, Stainless Steel Well Casing, Welded .....	369.87	
<i>For &gt;100 To 250, Deduct</i>	-10.10	
<i>For &gt;250 To 400, Deduct</i>	-19.34	
<i>For &gt;400 To 600, Deduct</i>	-29.01	
<i>For &gt;600 To 750, Deduct</i>	-38.68	
<i>For &gt;750, Deduct</i>	-49.46	
33 11 13 00-0070 LF 18" Diameter, Stainless Steel Well Casing, Welded .....	407.91	
<i>For &gt;100 To 250, Deduct</i>	-11.17	
<i>For &gt;250 To 400, Deduct</i>	-21.37	
<i>For &gt;400 To 600, Deduct</i>	-32.05	
<i>For &gt;600 To 750, Deduct</i>	-42.74	
<i>For &gt;750, Deduct</i>	-54.69	
33 11 13 00-0071 LF 20" Diameter, Stainless Steel Well Casing, Welded .....	536.18	
<i>For &gt;100 To 250, Deduct</i>	-14.56	
<i>For &gt;250 To 400, Deduct</i>	-27.97	
<i>For &gt;400 To 600, Deduct</i>	-41.95	
<i>For &gt;600 To 750, Deduct</i>	-55.94	
<i>For &gt;750, Deduct</i>	-71.43	
33 11 13 00-0072 LF 24" Diameter, Stainless Steel Well Casing, Welded .....	707.57	
<i>For &gt;100 To 250, Deduct</i>	-19.14	
<i>For &gt;250 To 400, Deduct</i>	-36.83	
<i>For &gt;400 To 600, Deduct</i>	-55.24	
<i>For &gt;600 To 750, Deduct</i>	-73.65	
<i>For &gt;750, Deduct</i>	-93.95	
<b>33 11 13 00-0073 Polyvinyl Chloride (PVC) Well Casing, Schedule 80</b> <small>(33 11 13 00-0048)</small>		
33 11 13 00-0074 LF 6" Polyvinyl Chloride (PVC) Well Casing .....	80.96	
<i>For &gt;100 To 250, Deduct</i>	-2.19	
<i>For &gt;250 To 400, Deduct</i>	-4.21	
<i>For &gt;400 To 600, Deduct</i>	-6.32	
<i>For &gt;600 To 750, Deduct</i>	-8.43	
<i>For &gt;750, Deduct</i>	-10.75	
33 11 13 00-0075 LF 8" Polyvinyl Chloride (PVC) Well Casing .....	128.74	
<i>For &gt;100 To 250, Deduct</i>	-3.48	
<i>For &gt;250 To 400, Deduct</i>	-6.70	
<i>For &gt;400 To 600, Deduct</i>	-10.04	
<i>For &gt;600 To 750, Deduct</i>	-13.39	
<i>For &gt;750, Deduct</i>	-17.08	
33 11 13 00-0076 LF 10" Polyvinyl Chloride (PVC) Well Casing .....	194.48	
<i>For &gt;100 To 250, Deduct</i>	-5.26	
<i>For &gt;250 To 400, Deduct</i>	-10.12	
<i>For &gt;400 To 600, Deduct</i>	-15.18	
<i>For &gt;600 To 750, Deduct</i>	-20.23	
<i>For &gt;750, Deduct</i>	-25.80	
33 11 13 00-0077 LF 12" Polyvinyl Chloride (PVC) Well Casing .....	228.97	
<i>For &gt;100 To 250, Deduct</i>	-6.20	
<i>For &gt;250 To 400, Deduct</i>	-11.92	
<i>For &gt;400 To 600, Deduct</i>	-17.89	
<i>For &gt;600 To 750, Deduct</i>	-23.85	
<i>For &gt;750, Deduct</i>	-30.43	
<b>33 11 13 00-0078 Furnish And Install Well Screen Assembly</b> <small>(33 11 13 00-0001)</small>		
<b>33 11 13 00-0079 Stainless Steel Well Screen</b> <small>(33 11 13 00-0078)</small>		
33 11 13 00-0080 LF 2" Stainless Steel Well Screen .....	30.35	1.66
<i>For &gt;100 To 250, Deduct</i>	-0.97	
<i>For &gt;250 To 400, Deduct</i>	-1.73	
<i>For &gt;400 To 600, Deduct</i>	-2.59	
<i>For &gt;600 To 750, Deduct</i>	-3.46	
<i>For &gt;750, Deduct</i>	-4.60	
33 11 13 00-0081 LF 3" Stainless Steel Well Screen .....	49.83	1.66
<i>For &gt;100 To 250, Deduct</i>	-1.47	
<i>For &gt;250 To 400, Deduct</i>	-2.72	
<i>For &gt;400 To 600, Deduct</i>	-4.08	
<i>For &gt;600 To 750, Deduct</i>	-5.44	
<i>For &gt;750, Deduct</i>	-7.10	
33 11 13 00-0082 LF 4" Stainless Steel Well Screen .....	62.57	2.48
<i>For &gt;100 To 250, Deduct</i>	-1.85	
<i>For &gt;250 To 400, Deduct</i>	-3.42	
<i>For &gt;400 To 600, Deduct</i>	-5.13	
<i>For &gt;600 To 750, Deduct</i>	-6.84	
<i>For &gt;750, Deduct</i>	-8.92	
33 11 13 00-0083 LF 5" Stainless Steel Well Screen .....	79.45	2.48
<i>For &gt;100 To 250, Deduct</i>	-2.33	
<i>For &gt;250 To 400, Deduct</i>	-4.32	
<i>For &gt;400 To 600, Deduct</i>	-6.48	
<i>For &gt;600 To 750, Deduct</i>	-8.64	
<i>For &gt;750, Deduct</i>	-11.24	
33 11 13 00-0084 LF 6" Stainless Steel Well Screen .....	94.56	3.31
<i>For &gt;100 To 250, Deduct</i>	-2.82	
<i>For &gt;250 To 400, Deduct</i>	-5.19	
<i>For &gt;400 To 600, Deduct</i>	-7.78	
<i>For &gt;600 To 750, Deduct</i>	-10.38	
<i>For &gt;750, Deduct</i>	-13.57	

<b>33</b>	<b>Utilities</b>
<b>33 10</b>	<b>Water Utilities</b>
<b>33 11</b>	<b>Groundwater Sources</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 00-0085 LF 8" Stainless Steel Well Screen.....	123.61	4.14
For>100 To 250, Deduct	-3.68	
For>250 To 400, Deduct	-6.77	
For>400 To 600, Deduct	-10.15	
For>600 To 750, Deduct	-13.54	
For>750, Deduct	-17.69	
33 11 13 00-0086 LF 10" Stainless Steel Well Screen.....	156.11	6.63
For>100 To 250, Deduct	-4.70	
For>250 To 400, Deduct	-8.60	
For>400 To 600, Deduct	-12.90	
For>600 To 750, Deduct	-17.20	
For>750, Deduct	-22.53	
33 11 13 00-0087 LF 12" Stainless Steel Well Screen.....	183.22	8.27
For>100 To 250, Deduct	-5.51	
For>250 To 400, Deduct	-10.09	
For>400 To 600, Deduct	-15.13	
For>600 To 750, Deduct	-20.18	
For>750, Deduct	-26.43	
33 11 13 00-0088 LF 14" Stainless Steel Well Screen.....	200.36	9.11
For>100 To 250, Deduct	-6.08	
For>250 To 400, Deduct	-11.09	
For>400 To 600, Deduct	-16.63	
For>600 To 750, Deduct	-22.17	
For>750, Deduct	-29.10	
33 11 13 00-0089 LF 16" Stainless Steel Well Screen.....	216.18	10.76
For>100 To 250, Deduct	-6.60	
For>250 To 400, Deduct	-12.01	
For>400 To 600, Deduct	-18.01	
For>600 To 750, Deduct	-24.02	
For>750, Deduct	-31.58	
33 11 13 00-0090 LF 18" Stainless Steel Well Screen.....	258.87	12.42
For>100 To 250, Deduct	-7.95	
For>250 To 400, Deduct	-14.42	
For>400 To 600, Deduct	-21.63	
For>600 To 750, Deduct	-28.84	
For>750, Deduct	-37.98	
33 11 13 00-0091 LF 20" Stainless Steel Well Screen.....	326.62	15.73
For>100 To 250, Deduct	-10.02	
For>250 To 400, Deduct	-18.19	
For>400 To 600, Deduct	-27.28	
For>600 To 750, Deduct	-36.38	
For>750, Deduct	-47.89	
33 11 13 00-0092 LF 24" Stainless Steel Well Screen.....	423.29	20.69
For>100 To 250, Deduct	-13.02	
For>250 To 400, Deduct	-23.60	
For>400 To 600, Deduct	-35.40	
For>600 To 750, Deduct	-47.20	
For>750, Deduct	-62.16	
33 11 13 00-0093 LF 26" Stainless Steel Well Screen.....	488.86	24.01
For>100 To 250, Deduct	-14.98	
For>250 To 400, Deduct	-27.20	
For>400 To 600, Deduct	-40.80	
For>600 To 750, Deduct	-54.40	
For>750, Deduct	-71.59	
<b>33 11 13 00-0094 Slotted Polyvinyl Chloride (PVC) Well Screen, Schedule 40</b> <small>(33 11 13 00-0078)</small>		
33 11 13 00-0095 LF 1-1/4" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen .....	21.46	
For>100 To 250, Deduct	-0.70	
For>250 To 400, Deduct	-1.24	
For>400 To 600, Deduct	-1.86	
For>600 To 750, Deduct	-2.48	
For>750, Deduct	-3.32	
For Schedule 80, Add	5.92	
33 11 13 00-0096 LF 1-1/2" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen .....	24.87	
For>100 To 250, Deduct	-0.80	
For>250 To 400, Deduct	-1.42	
For>400 To 600, Deduct	-2.13	
For>600 To 750, Deduct	-2.84	
For>750, Deduct	-3.79	
For Schedule 80, Add	7.10	
33 11 13 00-0097 LF 2" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen .....	33.45	
For>100 To 250, Deduct	-1.15	
For>250 To 400, Deduct	-1.99	
For>400 To 600, Deduct	-2.99	
For>600 To 750, Deduct	-3.98	
For>750, Deduct	-5.39	
For Schedule 80, Add	8.28	
33 11 13 00-0098 LF 3" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen .....	52.20	
For>100 To 250, Deduct	-1.65	
For>250 To 400, Deduct	-2.95	
For>400 To 600, Deduct	-4.43	
For>600 To 750, Deduct	-5.91	
For>750, Deduct	-7.83	
For Schedule 80, Add	15.38	



<b>Utilities</b>	<b>33</b>	<b>CS</b>
Water Utilities	33 10	
Groundwater Sources	33 11	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 00-0099 LF 4" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen .....	65.60	
For >100 To 250, Deduct	-2.07	
For >250 To 400, Deduct	-3.71	
For >400 To 600, Deduct	-5.57	
For >600 To 750, Deduct	-7.43	
For >750, Deduct	-9.85	
For Schedule 80, Add	19.29	
33 11 13 00-0100 LF 5" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen .....	82.81	
For >100 To 250, Deduct	-2.59	
For >250 To 400, Deduct	-4.66	
For >400 To 600, Deduct	-6.99	
For >600 To 750, Deduct	-9.32	
For >750, Deduct	-12.32	
For Schedule 80, Add	24.85	
33 11 13 00-0101 LF 6" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen .....	88.23	
For >100 To 250, Deduct	-2.90	
For >250 To 400, Deduct	-5.10	
For >400 To 600, Deduct	-7.65	
For >600 To 750, Deduct	-10.20	
For >750, Deduct	-13.65	
For Schedule 80, Add	24.26	
33 11 13 00-0102 LF 8" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen .....	129.96	
For >100 To 250, Deduct	-4.13	
For >250 To 400, Deduct	-7.38	
For >400 To 600, Deduct	-11.07	
For >600 To 750, Deduct	-14.76	
For >750, Deduct	-19.60	
For Schedule 80, Add	37.86	
<b>33 11 13 00-0103 Furnish And Install Gravel Pack Material</b> <small>(33 11 13 00-0001)</small>		
Note: Quantity is based on 3" space between wall and the casing or well screen.		
<b>33 11 13 00-0104 Artificial Gravel Pack</b> <small>(33 11 13 00-0103)</small>		
Note: Excludes casing.		
33 11 13 00-0105 LF Artificial Gravel Pack, 6" Casing, 2" Screen.....	17.42	
For >100 To 250, Deduct	-0.67	
For >250 To 400, Deduct	-1.11	
For >400 To 600, Deduct	-1.66	
For >600 To 750, Deduct	-2.22	
For >750, Deduct	-3.08	
33 11 13 00-0106 LF Artificial Gravel Pack, 8" Casing, 2" Screen.....	25.70	
For >100 To 250, Deduct	-1.02	
For >250 To 400, Deduct	-1.66	
For >400 To 600, Deduct	-2.49	
For >600 To 750, Deduct	-3.32	
For >750, Deduct	-4.63	
33 11 13 00-0107 LF Artificial Gravel Pack, 10" Casing, 2" Screen.....	35.80	
For >100 To 250, Deduct	-1.45	
For >250 To 400, Deduct	-2.35	
For >400 To 600, Deduct	-3.52	
For >600 To 750, Deduct	-4.69	
For >750, Deduct	-6.59	
33 11 13 00-0108 LF Artificial Gravel Pack, 12" Casing, 2" Screen.....	45.89	
For >100 To 250, Deduct	-1.84	
For >250 To 400, Deduct	-2.98	
For >400 To 600, Deduct	-4.48	
For >600 To 750, Deduct	-5.97	
For >750, Deduct	-8.36	
33 11 13 00-0109 LF Artificial Gravel Pack, 14" Casing, 2" Screen.....	56.59	
For >100 To 250, Deduct	-2.24	
For >250 To 400, Deduct	-3.65	
For >400 To 600, Deduct	-5.48	
For >600 To 750, Deduct	-7.31	
For >750, Deduct	-10.21	
33 11 13 00-0110 LF Artificial Gravel Pack, 16" Casing, 2" Screen.....	73.26	
For >100 To 250, Deduct	-2.85	
For >250 To 400, Deduct	-4.68	
For >400 To 600, Deduct	-7.02	
For >600 To 750, Deduct	-9.36	
For >750, Deduct	-13.02	
33 11 13 00-0111 LF Artificial Gravel Pack, 18" Casing, 2" Screen.....	84.00	
For >100 To 250, Deduct	-3.25	
For >250 To 400, Deduct	-5.35	
For >400 To 600, Deduct	-8.03	
For >600 To 750, Deduct	-10.70	
For >750, Deduct	-14.87	
33 11 13 00-0112 LF Artificial Gravel Pack, 20" Casing, 2" Screen.....	99.78	
For >100 To 250, Deduct	-3.90	
For >250 To 400, Deduct	-6.39	
For >400 To 600, Deduct	-9.59	
For >600 To 750, Deduct	-12.79	
For >750, Deduct	-17.81	

<b>33</b>	<b>Utilities</b>
<b>33 10</b>	<b>Water Utilities</b>
<b>33 11</b>	<b>Groundwater Sources</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 00-0113 LF Artificial Gravel Pack, 24" Casing, 2" Screen.....	112.88	
For >100 To 250, Deduct	-4.43	
For >250 To 400, Deduct	-7.26	
For >400 To 600, Deduct	-10.88	
For >600 To 750, Deduct	-14.51	
For >750, Deduct	-20.23	
33 11 13 00-0114 LF Artificial Gravel Pack, 26" Casing, 2" Screen.....	121.61	
For >100 To 250, Deduct	-4.72	
For >250 To 400, Deduct	-7.76	
For >400 To 600, Deduct	-11.65	
For >600 To 750, Deduct	-15.53	
For >750, Deduct	-21.60	
33 11 13 00-0115 LF Artificial Gravel Pack, 30" Casing, 2" Screen.....	145.03	
For >100 To 250, Deduct	-5.70	
For >250 To 400, Deduct	-9.32	
For >400 To 600, Deduct	-13.98	
For >600 To 750, Deduct	-18.65	
For >750, Deduct	-26.00	
33 11 13 00-0116 LF Artificial Gravel Pack, 36" Casing, 2" Screen.....	167.80	
For >100 To 250, Deduct	-6.72	
For >250 To 400, Deduct	-10.92	
For >400 To 600, Deduct	-16.37	
For >600 To 750, Deduct	-21.83	
For >750, Deduct	-30.57	
<b>33 11 13 00-0117 Develop Well</b> <small>(33 11 13 00-0001)</small>		
Note: Pump out drilled well to remove debris and fine material remaining from the drilling process. Excludes disposal.		
33 11 13 00-0118 HR Develop Well.....	440.74	
<b>33 11 13 00-0119 Pump Test</b> <small>(33 11 13 00-0001)</small>		
Note: To determine water level and GPM flow rate.		
33 11 13 00-0120 HR Pump Test Well.....	390.23	
<b>33 11 13 00-0121 Test Well</b> <small>(33 11 13 00-0001)</small>		
33 11 13 00-0122 VLF 2-1/2" Diameter Test Well.....	103.43	
<b>33 11 13 00-0123 Surface Seal, Concrete Filled</b> <small>(33 11 13)</small>		
33 11 13 00-0124 SF Surface Seal Well, Concrete Filled.....	34.75	
<b>33 11 13 00-0125 Other Water Well</b> <small>(33 11 13)</small>		
33 11 13 00-0126 SF Patch Hole In Well Casing.....	90.84	
33 11 13 00-0127 SF 1/2" Pressure Grout Well.....	2.54	
33 11 13 00-0128 SF 1" Pressure Grout Well.....	4.20	
33 11 13 00-0129 CF Sediment Removal In Well Casing For Existing Well.....	5.18	
<b>33 11 13 00-0130 Sterilization Of Well</b> <small>(33 11 13)</small>		
33 11 13 00-0131 EA Well Sterilization, Chlorine.....	1,502.08	
<b>33 11 13 00-0132 Submersible Well Pumps</b> <small>(33 11 13)</small>		
Note: Includes pump end, motor and control box.		
<b>33 11 13 00-0133 4" Submersible Well Pumps</b> <small>(33 11 13 00-0132)</small>		
<b>33 11 13 00-0134 Powder Coated Case And Cast Iron Ends</b> <small>(33 11 13 00-0133)</small>		
33 11 13 00-0135 EA 1/2 HP Submersible Well Pump, 4" Diameter Powder Coated Case And Cast Iron Ends.....	1,358.46	464.67
33 11 13 00-0136 EA 3/4 HP Submersible Well Pump, 4" Diameter Powder Coated Case And Cast Iron Ends.....	1,548.67	515.03
33 11 13 00-0137 EA 1 HP Submersible Well Pump, 4" Diameter Powder Coated Case And Cast Iron Ends.....	1,718.80	572.26
<b>33 11 13 00-0138 Stainless Steel Case And Ends</b> <small>(33 11 13 00-0133)</small>		
33 11 13 00-0139 EA 1/2 HP Submersible Well Pump, 4" Diameter Stainless Steel.....	1,531.34	457.81
33 11 13 00-0140 EA 3/4 HP Submersible Well Pump, 4" Diameter Stainless Steel.....	1,746.44	515.03
33 11 13 00-0141 EA 1 HP Submersible Well Pump, 4" Diameter Stainless Steel.....	1,957.99	572.26
33 11 13 00-0142 EA 1-1/2 HP Submersible Well Pump, 4" Diameter Stainless Steel.....	2,242.95	629.49
33 11 13 00-0143 EA 2 HP Submersible Well Pump, 4" Diameter Stainless Steel.....	2,538.57	686.70
33 11 13 00-0144 EA 3 HP Submersible Well Pump, 4" Diameter Stainless Steel.....	3,122.69	801.16
33 11 13 00-0145 EA 5 HP Submersible Well Pump, 4" Diameter Stainless Steel.....	3,928.26	915.61
<b>33 11 13 00-0146 6" Submersible Well Pumps</b> <small>(33 11 13 00-0132)</small>		
33 11 13 00-0147 EA 5 HP Submersible Well Pump, 6" Diameter Stainless Steel.....	3,818.89	1,144.51
33 11 13 00-0148 EA 7.5 HP Submersible Well Pump, 6" Diameter Stainless Steel.....	4,404.19	1,258.96
33 11 13 00-0149 EA 10 HP Submersible Well Pump, 6" Diameter Stainless Steel.....	5,012.01	1,373.42
33 11 13 00-0150 EA 15 HP Submersible Well Pump, 6" Diameter Stainless Steel.....	6,089.91	1,602.31





<b>Utilities</b>	<b>33</b>	<b>CS</b>
Water Utilities	33 10	
Groundwater Sources	33 11	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**33 14 Water Utility Transmission and Distribution** (33 14)

**33 14 11 Water Utility Transmission Piping** (33 14)

See CSI section 33 14 13 00-0000 for water utility transmission piping.

**33 14 13 Public Water Utility Distribution Piping** (33 14)

Note: Piping includes hydrostatic testing, disinfecting and warning tape. Excludes excavation and backfill. See CSI section 31 23 16 00-0000 for excavation, 31 23 16 36-0016 for backfill.

**33 14 13 13 Ductile Iron Public Water Utility Distribution Piping** (33 14 13)

**33 14 13 13-0001 Ductile Iron Piping** (33 14 13 13)

**33 14 13 13-0002 Mechanical Joint Ductile Iron Piping** (33 14 13 13-0001)

Note: Cement lining and bituminous coating shall conform to ANSI A21.4. Fittings are C153. See CSI section 33 14 13 13-0484 for bolts and gaskets.

**33 14 13 13-0003 Mechanical Joint Ductile Iron Pipe** (33 14 13 13-0002)

Note: Conforming to ANSI/AWWA C151/A21.51, federal specification WW-P-421D.

33 14 13 13-0004	LF 3", Class 51, Mechanical Joint Ductile Iron Pipe.....	42.52		12.53
	For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	16.50		
	For Cement Mortar Lining (CML), Add	2.36		
	Note: ANSI/AWWA C104/A21.4			
	For 40 Mil Ceramic Epoxy Lining (P401), Add	12.73		
	For Fusion Bonded Epoxy Lining (206N), Add	4.24		
	Note: ANSI/AWWA C104/A21.4			
	For Bituminous Or Coal Tar Coating, 1 Mil, Add	1.77		
	Note: ANSI/AWWA C151/A21.51			
	For >1,000, Deduct	-2.13		
	For Class 52, Add	7.43		
	For Class 53, Add	13.34		
	For Class 54, Add	19.01		
	For Class 55, Add	21.89		
	For Class 56, Add	24.72		
33 14 13 13-0005	LF 4", Class 50, Mechanical Joint Ductile Iron Pipe.....	46.10		13.34
	For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	18.12		
	For Cement Mortar Lining (CML), Add	2.59		
	Note: ANSI/AWWA C104/A21.4			
	For 40 Mil Ceramic Epoxy Lining (P401), Add	13.98		
	For Fusion Bonded Epoxy Lining (206N), Add	4.66		
	Note: ANSI/AWWA C104/A21.4			
	For Bituminous Or Coal Tar Coating, 1 Mil, Add	1.94		
	Note: ANSI/AWWA C151/A21.51			
	For >1,000, Deduct	-2.31		
	For Class 51, Add	3.78		
	For Class 52, Add	8.15		
	For Class 53, Add	14.63		
	For Class 54, Add	20.85		
	For Class 55, Add	24.01		
	For Class 56, Add	27.11		
33 14 13 13-0006	LF 6", Class 50, Mechanical Joint Ductile Iron Pipe.....	49.26		13.99
	For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	19.67		
	For Cement Mortar Lining (CML), Add	2.81		
	Note: ANSI/AWWA C104/A21.4			
	For 40 Mil Ceramic Epoxy Lining (P401), Add	15.17		
	For Fusion Bonded Epoxy Lining (206N), Add	5.06		
	Note: ANSI/AWWA C104/A21.4			
	For Bituminous Or Coal Tar Coating, 1 Mil, Add	2.11		
	Note: ANSI/AWWA C151/A21.51			
	For >1,000, Deduct	-2.46		
	For Class 51, Add	4.09		
	For Class 52, Add	8.82		
	For Class 53, Add	15.85		
	For Class 54, Add	22.59		
	For Class 55, Add	26.01		
	For Class 56, Add	29.36		
33 14 13 13-0007	LF 8", Class 50, Mechanical Joint Ductile Iron Pipe.....	57.99		14.55
	For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	25.17		
	For Cement Mortar Lining (CML), Add	3.60		
	Note: ANSI/AWWA C104/A21.4			
	For 40 Mil Ceramic Epoxy Lining (P401), Add	19.41		
	For Fusion Bonded Epoxy Lining (206N), Add	6.47		
	Note: ANSI/AWWA C104/A21.4			
	For Bituminous Or Coal Tar Coating, 1 Mil, Add	2.70		
	Note: ANSI/AWWA C151/A21.51			
	For >1,000, Deduct	-2.90		
	For Class 51, Add	5.18		
	For Class 52, Add	11.16		
	For Class 53, Add	20.09		
	For Class 54, Add	28.65		
	For Class 55, Add	32.96		
	For Class 56, Add	37.19		

**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0008 LF 10", Class 50, Mechanical Joint Ductile Iron Pipe.....	77.90	20.55
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	28.06	
For Cement Mortar Lining (CML), Add	4.68	
Note: ANSI/AWWA C104/A21.4		
For 40 Mil Ceramic Epoxy Lining (P401), Add	23.39	
For Fusion Bonded Epoxy Lining (206N), Add	8.42	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	3.51	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-3.90	
For Class 51, Add	6.76	
For Class 52, Add	14.58	
For Class 53, Add	26.23	
For Class 54, Add	37.40	
For Class 55, Add	43.03	
For Class 56, Add	48.57	
33 14 13 13-0009 LF 12", Class 50, Mechanical Joint Ductile Iron Pipe.....	94.33	22.83
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	29.87	
For Cement Mortar Lining (CML), Add	5.97	
Note: ANSI/AWWA C104/A21.4		
For 40 Mil Ceramic Epoxy Lining (P401), Add	23.89	
For Fusion Bonded Epoxy Lining (206N), Add	10.75	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	4.48	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-4.72	
For Class 51, Add	8.57	
For Class 52, Add	18.49	
For Class 53, Add	33.31	
For Class 54, Add	47.51	
For Class 55, Add	54.64	
For Class 56, Add	61.64	
33 14 13 13-0010 LF 14", Class 50, Mechanical Joint Ductile Iron Pipe.....	112.99	25.63
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	32.59	
For Cement Mortar Lining (CML), Add	7.41	
Note: ANSI/AWWA C104/A21.4		
For 40 Mil Ceramic Epoxy Lining (P401), Add	25.18	
For Fusion Bonded Epoxy Lining (206N), Add	13.33	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	5.56	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-5.65	
For Class 51, Add	10.58	
For Class 52, Add	22.83	
For Class 53, Add	41.15	
For Class 54, Add	58.71	
For Class 55, Add	67.50	
For Class 56, Add	76.14	
33 14 13 13-0011 LF 16", Class 50, Mechanical Joint Ductile Iron Pipe.....	127.52	29.38
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	34.05	
For Cement Mortar Lining (CML), Add	8.30	
Note: ANSI/AWWA C104/A21.4		
For 40 Mil Ceramic Epoxy Lining (P401), Add	25.74	
For Fusion Bonded Epoxy Lining (206N), Add	14.95	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	6.23	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-6.38	
For Class 51, Add	11.87	
For Class 52, Add	25.62	
For Class 53, Add	46.17	
For Class 54, Add	65.87	
For Class 55, Add	75.73	
For Class 56, Add	85.42	
33 14 13 13-0012 LF 18", Class 50, Mechanical Joint Ductile Iron Pipe.....	158.40	34.25
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	43.67	
For Cement Mortar Lining (CML), Add	10.65	
Note: ANSI/AWWA C104/A21.4		
For 40 Mil Ceramic Epoxy Lining (P401), Add	33.02	
For Fusion Bonded Epoxy Lining (206N), Add	19.17	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	7.99	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-7.92	
For Class 51, Add	15.16	
For Class 52, Add	32.73	
For Class 53, Add	59.02	
For Class 54, Add	84.22	
For Class 55, Add	96.80	
For Class 56, Add	109.17	



<b>Utilities</b>	<b>33</b>	<b>CS</b>
<b>Water Utilities</b>	<b>33 10</b>	
<b>Water Utility Transmission and Distribution</b>	<b>33 14</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0013 LF 20", Class 50, Mechanical Joint Ductile Iron Pipe.....	179.56	41.10
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	44.57	
For Cement Mortar Lining (CML), Add	11.73	
Note: ANSI/AWWA C104/A21.4		
For 40 Mil Ceramic Epoxy Lining (P401), Add	32.84	
For Fusion Bonded Epoxy Lining (206N), Add	21.11	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	8.80	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-8.98	
For Class 51, Add	16.76	
For Class 52, Add	36.17	
For Class 53, Add	65.19	
For Class 54, Add	93.00	
For Class 55, Add	106.92	
For Class 56, Add	120.60	
33 14 13 13-0014 LF 24", Class 50, Mechanical Joint Ductile Iron Pipe.....	235.25	51.37
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	48.80	
For Cement Mortar Lining (CML), Add	15.74	
Note: ANSI/AWWA C104/A21.4		
For 40 Mil Ceramic Epoxy Lining (P401), Add	33.06	
For Fusion Bonded Epoxy Lining (206N), Add	28.33	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	11.81	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-11.76	
For Class 51, Add	22.43	
For Class 52, Add	48.40	
For Class 53, Add	87.28	
For Class 54, Add	124.53	
For Class 55, Add	143.15	
For Class 56, Add	161.44	
33 14 13 13-0015 LF 30", Class 50, Mechanical Joint Ductile Iron Pipe.....	305.00	55.32
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	68.81	
For Cement Mortar Lining (CML), Add	22.20	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	39.95	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	16.65	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-15.25	
For Class 51, Add	31.29	
For Class 52, Add	67.58	
For Class 53, Add	122.07	
For Class 54, Add	174.27	
For Class 55, Add	200.19	
For Class 56, Add	225.64	
33 14 13 13-0016 LF 36", Class 50, Mechanical Joint Ductile Iron Pipe.....	365.78	58.74
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	86.04	
For Cement Mortar Lining (CML), Add	27.76	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	49.96	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	20.82	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-18.29	
For Class 51, Add	38.93	
For Class 52, Add	84.11	
For Class 53, Add	152.05	
For Class 54, Add	217.13	
For Class 55, Add	249.35	
For Class 56, Add	280.98	
33 14 13 13-0017 LF 42", Class 50, Mechanical Joint Ductile Iron Pipe.....	450.96	62.16
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	110.84	
For Cement Mortar Lining (CML), Add	35.76	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	64.36	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	26.82	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-22.55	
For Class 51, Add	49.90	
For Class 52, Add	107.85	
For Class 53, Add	195.11	
For Class 54, Add	278.70	
For Class 55, Add	319.95	
For Class 56, Add	360.44	

**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0018 LF 48", Class 50, Mechanical Joint Ductile Iron Pipe.....	554.34	65.70
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	141.28	
For Cement Mortar Lining (CML), Add	45.57	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	82.03	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	34.18	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-27.72	
For Class 51, Add	63.35	
For Class 52, Add	136.95	
For Class 53, Add	247.93	
For Class 54, Add	354.21	
For Class 55, Add	406.53	
For Class 56, Add	457.89	
<b>33 14 13 13-0019 Mechanical Joint Ductile Iron 90 Degree Elbow</b> (33 14 13 13-0002)		
33 14 13 13-0020 EA 3" Mechanical Joint Ductile Iron 90 Degree Elbow .....	181.33	39.56
For Cement Mortar Lining (CML), Add	12.14	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	21.85	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	9.10	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0021 EA 4" Mechanical Joint Ductile Iron 90 Degree Elbow .....	203.72	47.27
For Cement Mortar Lining (CML), Add	13.21	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	23.78	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	9.91	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0022 EA 6" Mechanical Joint Ductile Iron 90 Degree Elbow .....	321.79	69.86
For Cement Mortar Lining (CML), Add	21.60	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	38.88	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	16.20	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0023 EA 8" Mechanical Joint Ductile Iron 90 Degree Elbow .....	439.79	82.87
For Cement Mortar Lining (CML), Add	31.42	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	56.55	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	23.56	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0024 EA 10" Mechanical Joint Ductile Iron 90 Degree Elbow .....	637.87	91.13
For Cement Mortar Lining (CML), Add	49.98	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	89.97	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	37.49	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0025 EA 12" Mechanical Joint Ductile Iron 90 Degree Elbow .....	834.89	106.91
For Cement Mortar Lining (CML), Add	67.30	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	121.14	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	50.47	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0026 EA 14" Mechanical Joint Ductile Iron 90 Degree Elbow .....	1,308.03	119.88
For Cement Mortar Lining (CML), Add	112.64	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	202.75	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	84.48	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0027 EA 16" Mechanical Joint Ductile Iron 90 Degree Elbow .....	1,737.42	137.00
For Cement Mortar Lining (CML), Add	152.99	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	275.37	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	114.74	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0028 EA 18" Mechanical Joint Ductile Iron 90 Degree Elbow .....	2,132.80	191.80
For Cement Mortar Lining (CML), Add	184.22	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	331.60	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	138.17	
Note: ANSI/AWWA C151/A21.51		



	<b>Utilities</b>	<b>33</b>	
	<b>Water Utilities</b>	<b>33 10</b>	<b>33</b>
	<b>Water Utility Transmission and Distribution</b>	<b>33 14</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0029 EA 20" Mechanical Joint Ductile Iron 90 Degree Elbow ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,932.02 256.88 462.38 192.66	239.75
33 14 13 13-0030 EA 24" Mechanical Joint Ductile Iron 90 Degree Elbow ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	4,318.22 383.44 690.20 287.58	319.25
33 14 13 13-0031 EA 30" Mechanical Joint Ductile Iron 90 Degree Elbow ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	6,672.25 615.33 1,107.60 461.50	342.50
33 14 13 13-0032 EA 36" Mechanical Joint Ductile Iron 90 Degree Elbow ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	10,158.71 962.00 1,731.60 721.50	355.58
33 14 13 13-0033 EA 42" Mechanical Joint Ductile Iron 90 Degree Elbow ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	17,119.02 1,649.63 2,969.33 1,237.22	411.00
33 14 13 13-0034 EA 48" Mechanical Joint Ductile Iron 90 Degree Elbow ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	22,658.73 2,199.63 3,959.33 1,649.72	437.26
<b>33 14 13 13-0035 Mechanical Joint Ductile Iron 45 Degree Elbow</b> <small>(33 14 13 13-0002)</small>		
33 14 13 13-0036 EA 3" Mechanical Joint Ductile Iron 45 Degree Elbow ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	168.83 10.89 19.60 8.17	39.56
33 14 13 13-0037 EA 4" Mechanical Joint Ductile Iron 45 Degree Elbow ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	180.51 10.89 19.60 8.17	47.27
33 14 13 13-0038 EA 6" Mechanical Joint Ductile Iron 45 Degree Elbow ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	280.73 17.49 31.49 13.12	69.86
33 14 13 13-0039 EA 8" Mechanical Joint Ductile Iron 45 Degree Elbow ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	380.88 25.53 45.95 19.15	82.87
33 14 13 13-0040 EA 10" Mechanical Joint Ductile Iron 45 Degree Elbow ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	511.13 37.31 67.16 27.98	91.13
33 14 13 13-0041 EA 12" Mechanical Joint Ductile Iron 45 Degree Elbow ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	718.86 55.70 100.25 41.77	106.91

**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0042 EA 14" Mechanical Joint Ductile Iron 45 Degree Elbow .....	1,058.11	119.88
For Cement Mortar Lining (CML), Add	87.65	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	157.77	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	65.74	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0043 EA 16" Mechanical Joint Ductile Iron 45 Degree Elbow .....	1,300.06	137.00
For Cement Mortar Lining (CML), Add	109.25	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	196.65	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	81.94	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0044 EA 18" Mechanical Joint Ductile Iron 45 Degree Elbow .....	1,857.90	191.80
For Cement Mortar Lining (CML), Add	156.73	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	282.12	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	117.55	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0045 EA 20" Mechanical Joint Ductile Iron 45 Degree Elbow .....	2,037.67	239.75
For Cement Mortar Lining (CML), Add	167.44	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	301.40	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	125.58	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0046 EA 24" Mechanical Joint Ductile Iron 45 Degree Elbow .....	3,027.58	319.25
For Cement Mortar Lining (CML), Add	254.38	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	457.88	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	190.79	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0047 EA 30" Mechanical Joint Ductile Iron 45 Degree Elbow .....	5,686.86	342.50
For Cement Mortar Lining (CML), Add	516.79	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	930.23	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	387.59	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0048 EA 36" Mechanical Joint Ductile Iron 45 Degree Elbow .....	8,095.11	355.58
For Cement Mortar Lining (CML), Add	755.64	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	1,360.15	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	566.73	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0049 EA 42" Mechanical Joint Ductile Iron 45 Degree Elbow .....	12,233.15	411.00
For Cement Mortar Lining (CML), Add	1,161.04	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	2,089.88	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	870.78	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0050 EA 48" Mechanical Joint Ductile Iron 45 Degree Elbow .....	15,877.06	437.26
For Cement Mortar Lining (CML), Add	1,521.46	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	2,738.62	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,141.09	
Note: ANSI/AWWA C151/A21.51		
<b>33 14 13 13-0051 Mechanical Joint Ductile Iron 22-1/2 Degree Elbow</b> (33 14 13 13-0002)		
33 14 13 13-0052 EA 3" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow .....	145.63	39.56
For Cement Mortar Lining (CML), Add	8.57	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	15.42	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	6.43	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0053 EA 4" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow .....	175.16	47.27
For Cement Mortar Lining (CML), Add	10.35	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	18.64	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	7.77	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0054 EA 6" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow .....	266.45	69.86
For Cement Mortar Lining (CML), Add	16.07	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	28.92	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	12.05	
Note: ANSI/AWWA C151/A21.51		



<b>Utilities</b>	<b>33</b>	<b>CS</b>
<b>Water Utilities</b>	<b>33 10</b>	
<b>Water Utility Transmission and Distribution</b>	<b>33 14</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0055 EA 8" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	375.53 24.99 44.99 18.74	82.87
33 14 13 13-0056 EA 10" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	509.34 37.13 66.83 27.85	91.13
33 14 13 13-0057 EA 12" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	649.24 48.73 87.72 36.55	106.91
33 14 13 13-0058 EA 14" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,068.82 88.72 159.70 66.54	119.88
33 14 13 13-0059 EA 16" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,255.44 104.79 188.62 78.59	137.00
33 14 13 13-0060 EA 18" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,577.63 128.71 231.67 96.53	191.80
33 14 13 13-0061 EA 20" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,112.65 174.94 314.90 131.21	239.75
33 14 13 13-0062 EA 24" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,831.21 234.74 422.54 176.06	319.25
33 14 13 13-0063 EA 30" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	4,849.64 433.07 779.53 324.80	342.50
33 14 13 13-0064 EA 36" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	6,886.59 634.79 1,142.62 476.09	355.58
33 14 13 13-0065 EA 42" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	10,207.04 958.43 1,725.18 718.82	411.00
33 14 13 13-0066 EA 48" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	13,142.25 1,247.98 2,246.36 935.98	437.26

33 14 13 13-0067 Mechanical Joint Ductile Iron 11-1/4 Degree Elbow (33 14 13 13-0002)

**33 Utilities**  
**33 10 Water Utilities**  
**33 14 Water Utility Transmission and Distribution**



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0068	EA	3" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	145.63 8.57 15.42 6.43	39.56
33 14 13 13-0069	EA	4" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	169.80 9.82 17.67 7.36	47.27
33 14 13 13-0070	EA	6" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	271.81 16.60 29.88 12.45	69.86
33 14 13 13-0071	EA	8" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	352.32 22.67 40.81 17.00	82.87
33 14 13 13-0072	EA	10" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	505.77 36.77 66.19 27.58	91.13
33 14 13 13-0073	EA	12" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	618.89 45.70 82.26 34.27	106.91
33 14 13 13-0074	EA	14" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,193.78 101.22 182.19 75.91	119.88
33 14 13 13-0075	EA	16" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,316.13 110.86 199.54 83.14	137.00
33 14 13 13-0076	EA	18" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,916.80 162.62 292.72 121.97	191.80
33 14 13 13-0077	EA	20" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,010.90 164.77 296.58 123.58	239.75
33 14 13 13-0078	EA	24" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,681.26 219.75 395.55 164.81	319.25
33 14 13 13-0079	EA	30" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	4,928.19 440.93 793.67 330.69	342.50





<b>Utilities</b>	<b>33</b>	<b>CS</b>
<b>Water Utilities</b>	<b>33 10</b>	
<b>Water Utility Transmission and Distribution</b>	<b>33 14</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0080 EA 36" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	6,565.27 602.66 1,084.78 451.99	355.58
33 14 13 13-0081 EA 42" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	9,769.68 914.70 1,646.45 686.02	411.00
33 14 13 13-0082 EA 48" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	13,056.57 1,239.41 2,230.94 929.56	437.26
<b>33 14 13 13-0083 Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow (33 14 13 13-0002)</b>		
33 14 13 13-0084 EA 3" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	186.68 12.67 22.81 9.51	39.56
33 14 13 13-0085 EA 4" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	228.71 15.71 28.28 11.78	47.27
33 14 13 13-0086 EA 6" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	366.42 26.06 46.91 19.55	69.86
33 14 13 13-0087 EA 8" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	498.70 37.31 67.16 27.98	82.87
33 14 13 13-0088 EA 10" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	723.56 58.55 105.39 43.91	91.13
33 14 13 13-0089 EA 12" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	927.72 76.58 137.85 57.44	106.91
33 14 13 13-0090 EA 14" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,606.15 142.45 256.42 106.84	119.88
33 14 13 13-0091 EA 16" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,463.96 225.64 406.15 169.23	137.00

**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0092 EA 18" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,853.99 256.34 461.42 192.26	191.80
33 14 13 13-0093 EA 20" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	3,881.70 351.85 633.32 263.89	239.75
33 14 13 13-0094 EA 24" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	4,710.94 422.72 760.89 317.04	319.25
33 14 13 13-0095 EA 30" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	8,842.95 832.40 1,498.32 624.30	342.50
33 14 13 13-0096 EA 36" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	15,878.24 1,533.95 2,761.12 1,150.47	355.58
<b>33 14 13 13-0097 Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow</b> <small>(33 14 13 13-0092)</small>		
33 14 13 13-0098 EA 3" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	170.62 11.07 19.92 8.30	39.56
33 14 13 13-0099 EA 4" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	185.87 11.43 20.57 8.57	47.27
33 14 13 13-0100 EA 6" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	300.37 19.46 35.02 14.59	69.86
33 14 13 13-0101 EA 8" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	438.01 31.24 56.23 23.43	82.87
33 14 13 13-0102 EA 10" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	602.17 46.41 83.54 34.81	91.13
33 14 13 13-0103 EA 12" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	822.39 66.05 118.89 49.54	106.91



<b>Utilities</b>	<b>33</b>	<b>CS</b>
<b>Water Utilities</b>	<b>33 10</b>	
<b>Water Utility Transmission and Distribution</b>	<b>33 14</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0104 EA 14" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,418.71 123.71 222.68 92.78	119.88
33 14 13 13-0105 EA 16" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,169.42 196.19 353.13 147.14	137.00
33 14 13 13-0106 EA 18" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,555.88 226.53 407.76 169.90	191.80
33 14 13 13-0107 EA 20" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	3,321.17 295.79 532.43 221.85	239.75
33 14 13 13-0108 EA 24" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	4,170.05 368.63 663.53 276.47	319.25
33 14 13 13-0109 EA 30" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	7,759.39 724.05 1,303.28 543.03	342.50
33 14 13 13-0110 EA 36" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	13,884.26 1,334.56 2,402.20 1,000.92	355.58
<b>33 14 13 13-0111 Mechanical Joint Ductile Iron Tee</b> (33 14 13 13-0002)		
33 14 13 13-0112 EA 3" x 3" Mechanical Joint Ductile Iron Tee ..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	296.99 20.71 37.27 15.53	59.36
33 14 13 13-0113 EA 4" x 3" Mechanical Joint Ductile Iron Tee ..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	307.57 20.71 37.27 15.53	66.33
33 14 13 13-0114 EA 4" x 4" Mechanical Joint Ductile Iron Tee ..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	278.95 17.32 31.17 12.99	69.86
33 14 13 13-0115 EA 6" x 3" Mechanical Joint Ductile Iron Tee ..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	372.55 23.92 43.06 17.94	88.00
33 14 13 13-0116 EA 6" x 4" Mechanical Joint Ductile Iron Tee ..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	429.81 29.10 52.37 21.82	91.64

**33 Utilities**  
**33 10 Water Utilities**  
**33 14 Water Utility Transmission and Distribution**



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0117	EA	6" x 6" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	467.77 31.24 56.23 23.43	102.59
33 14 13 13-0118	EA	8" x 4" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	498.29 33.74 60.73 25.30	106.19
33 14 13 13-0119	EA	8" x 6" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	566.59 38.92 70.05 29.19	117.10
33 14 13 13-0120	EA	8" x 8" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	657.95 46.95 84.51 35.21	124.41
33 14 13 13-0121	EA	10" x 4" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	689.28 51.77 93.18 38.83	113.26
33 14 13 13-0122	EA	10" x 6" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	688.78 50.16 90.29 37.62	123.53
33 14 13 13-0123	EA	10" x 8" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	784.85 58.73 105.71 44.05	130.38
33 14 13 13-0124	EA	10" x 10" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	878.78 67.12 120.82 50.34	137.00
33 14 13 13-0125	EA	12" x 4" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	826.07 63.37 114.07 47.53	126.96
33 14 13 13-0126	EA	12" x 6" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	939.81 73.19 131.74 54.89	137.22
33 14 13 13-0127	EA	12" x 8" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,159.06 94.08 169.34 70.56	144.08
33 14 13 13-0128	EA	12" x 10" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,242.28 101.40 182.51 76.05	150.70



	<b>Utilities</b>	<b>33</b>	
	<b>Water Utilities</b>	<b>33 10</b>	<b>33</b>
	<b>Water Utility Transmission and Distribution</b>	<b>33 14</b>	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0129	EA	12" x 12" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,175.89 93.72 168.69 70.29	157.55
33 14 13 13-0130	EA	14" x 6" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,256.21 101.40 182.51 76.05	159.90
33 14 13 13-0131	EA	14" x 8" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,400.48 114.78 206.61 86.09	166.76
33 14 13 13-0132	EA	14" x 10" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,796.10 153.34 276.02 115.01	173.36
33 14 13 13-0133	EA	14" x 12" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,920.73 164.77 296.58 123.58	180.22
33 14 13 13-0134	EA	14" x 14" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,850.42 156.02 280.83 117.01	191.59
33 14 13 13-0135	EA	16" x 6" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,598.99 130.85 235.53 98.14	191.79
33 14 13 13-0136	EA	16" x 8" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,721.95 142.10 255.77 106.57	198.65
33 14 13 13-0137	EA	16" x 10" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,010.44 169.94 305.90 127.46	205.27
33 14 13 13-0138	EA	16" x 12" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,202.91 188.15 338.67 141.11	212.11
33 14 13 13-0139	EA	16" x 14" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,657.43 231.89 417.40 173.92	223.46
33 14 13 13-0140	EA	16" x 16" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,506.66 214.39 385.91 160.79	239.44

**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0141 EA 18" x 6" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,224.85 185.30 333.53 138.97	245.46
33 14 13 13-0142 EA 18" x 8" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,388.77 200.65 361.16 150.49	252.31
33 14 13 13-0143 EA 18" x 10" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,588.02 219.57 395.23 164.68	258.93
33 14 13 13-0144 EA 18" x 12" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,785.84 238.31 428.97 178.74	265.78
33 14 13 13-0145 EA 18" x 14" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,865.48 244.56 440.21 183.42	277.12
33 14 13 13-0146 EA 18" x 16" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	3,059.24 261.52 470.74 196.14	293.06
33 14 13 13-0147 EA 18" x 18" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	3,587.23 310.25 558.46 232.69	319.88
33 14 13 13-0148 EA 20" x 6" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,618.34 208.50 375.30 156.38	351.98
33 14 13 13-0149 EA 20" x 8" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,675.14 213.14 383.66 159.86	358.85
33 14 13 13-0150 EA 20" x 10" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,919.01 236.53 425.75 177.40	365.46
33 14 13 13-0151 EA 20" x 12" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	3,161.46 259.74 467.52 194.80	372.31
33 14 13 13-0152 EA 20" x 14" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	3,198.27 261.70 471.06 196.27	383.64



	<b>Utilities</b>	<b>33</b>	
	<b>Water Utilities</b>	<b>33 10</b>	<b>33</b>
	<b>Water Utility Transmission and Distribution</b>	<b>33 14</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0153 EA 20" x 16" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,243.86 263.84 474.91 197.88	399.60
33 14 13 13-0154 EA 20" x 18" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	4,091.39 344.53 620.15 258.40	426.43
33 14 13 13-0155 EA 20" x 20" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,586.57 285.98 514.76 214.48	479.71
33 14 13 13-0156 EA 24" x 6" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,202.32 250.81 451.46 188.11	458.20
33 14 13 13-0157 EA 24" x 8" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,244.85 254.02 457.24 190.52	465.70
33 14 13 13-0158 EA 24" x 10" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,583.34 286.87 516.36 215.15	471.67
33 14 13 13-0159 EA 24" x 12" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,674.03 294.90 530.82 221.18	478.51
33 14 13 13-0160 EA 24" x 14" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	4,144.63 340.24 612.44 255.18	489.85
33 14 13 13-0161 EA 24" x 16" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	4,481.20 371.48 668.67 278.61	505.79
33 14 13 13-0162 EA 24" x 18" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	5,100.22 429.32 772.78 321.99	532.63
33 14 13 13-0163 EA 24" x 20" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	5,653.99 476.63 857.93 357.47	585.90
33 14 13 13-0164 EA 24" x 24" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	5,213.20 424.50 764.10 318.38	639.03

**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0165 EA 30" x 8" Mechanical Joint Ductile Iron Tee.....	5,608.45	540.52
For Cement Mortar Lining (CML), Add	478.95	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	862.11	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	359.21	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0166 EA 30" x 10" Mechanical Joint Ductile Iron Tee.....	5,913.01	547.13
For Cement Mortar Lining (CML), Add	508.40	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	915.12	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	381.30	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0167 EA 30" x 12" Mechanical Joint Ductile Iron Tee.....	6,217.94	553.99
For Cement Mortar Lining (CML), Add	537.86	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	968.14	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	403.39	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0168 EA 30" x 14" Mechanical Joint Ductile Iron Tee.....	6,652.82	565.32
For Cement Mortar Lining (CML), Add	579.63	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	1,043.33	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	434.72	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0169 EA 30" x 16" Mechanical Joint Ductile Iron Tee.....	7,123.27	752.15
For Cement Mortar Lining (CML), Add	624.26	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	1,123.66	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	468.19	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0170 EA 30" x 18" Mechanical Joint Ductile Iron Tee.....	7,313.87	608.10
For Cement Mortar Lining (CML), Add	639.25	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	1,150.65	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	479.44	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0171 EA 30" x 20" Mechanical Joint Ductile Iron Tee.....	7,603.44	661.37
For Cement Mortar Lining (CML), Add	660.14	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	1,188.25	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	495.10	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0172 EA 30" x 24" Mechanical Joint Ductile Iron Tee.....	7,985.58	714.47
For Cement Mortar Lining (CML), Add	690.31	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	1,242.55	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	517.73	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0173 EA 30" x 30" Mechanical Joint Ductile Iron Tee.....	10,038.52	752.15
For Cement Mortar Lining (CML), Add	889.88	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	1,601.79	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	667.41	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0174 EA 30" x 6" Mechanical Joint Ductile Iron Tee.....	5,869.39	533.66
For Cement Mortar Lining (CML), Add	506.08	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	910.95	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	379.56	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0175 EA 36" x 8" Mechanical Joint Ductile Iron Tee.....	6,867.23	599.61
For Cement Mortar Lining (CML), Add	595.87	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	1,072.57	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	446.90	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0176 EA 36" x 10" Mechanical Joint Ductile Iron Tee.....	7,652.00	606.23
For Cement Mortar Lining (CML), Add	673.35	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	1,212.02	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	505.01	
Note: ANSI/AWWA C151/A21.51		





	<b>Utilities</b>	<b>33</b>	<b>CS</b>
	<b>Water Utilities</b>	<b>33 10</b>	
	<b>Water Utility Transmission and Distribution</b>	<b>33 14</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0177 EA 36" x 12" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	8,076.52 714.76 1,286.57 536.07	613.07
33 14 13 13-0178 EA 36" x 14" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	8,381.10 743.50 1,338.30 557.63	624.41
33 14 13 13-0179 EA 36" x 16" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	8,689.11 771.89 1,389.39 578.91	640.36
33 14 13 13-0180 EA 36" x 18" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	9,279.58 826.87 1,488.36 620.15	667.20
33 14 13 13-0181 EA 36" x 20" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	9,911.88 882.03 1,587.65 661.52	720.46
33 14 13 13-0182 EA 36" x 24" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	10,970.58 979.85 1,763.73 734.89	773.56
33 14 13 13-0183 EA 36" x 30" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	12,136.32 1,090.71 1,963.27 818.03	840.90
33 14 13 13-0184 EA 36" x 36" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	14,189.34 1,291.53 2,324.76 968.65	840.90
33 14 13 13-0185 EA 42" x 12" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	16,002.53 1,502.36 2,704.24 1,126.77	646.11
33 14 13 13-0186 EA 42" x 14" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	16,323.17 1,532.70 2,758.87 1,149.53	657.45
33 14 13 13-0187 EA 42" x 16" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	18,152.09 1,713.18 3,083.72 1,284.89	673.39
33 14 13 13-0188 EA 42" x 18" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	16,961.01 1,590.01 2,862.01 1,192.50	700.22

**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0189	EA	42" x 20" Mechanical Joint Ductile Iron Tee <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	17,041.71 1,590.01 2,862.01 1,192.50	753.49
33 14 13 13-0190	EA	42" x 24" Mechanical Joint Ductile Iron Tee <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	17,413.15 1,619.10 2,914.39 1,214.33	806.59
33 14 13 13-0191	EA	42" x 30" Mechanical Joint Ductile Iron Tee <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	21,140.54 1,986.13 3,575.03 1,489.59	844.33
33 14 13 13-0192	EA	42" x 36" Mechanical Joint Ductile Iron Tee <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	22,018.95 2,069.49 3,725.08 1,552.12	873.88
33 14 13 13-0193	EA	42" x 42" Mechanical Joint Ductile Iron Tee <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	23,298.91 2,194.98 3,950.97 1,646.24	890.40
33 14 13 13-0194	EA	48" x 12" Mechanical Joint Ductile Iron Tee <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	18,865.27 1,780.66 3,205.18 1,335.49	698.74
33 14 13 13-0195	EA	48" x 14" Mechanical Joint Ductile Iron Tee <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	19,203.77 1,812.79 3,263.02 1,359.59	710.08
33 14 13 13-0196	EA	48" x 16" Mechanical Joint Ductile Iron Tee <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	19,683.14 1,858.31 3,344.96 1,393.73	726.03
33 14 13 13-0197	EA	48" x 18" Mechanical Joint Ductile Iron Tee <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	20,177.21 1,903.65 3,426.57 1,427.74	752.86
33 14 13 13-0198	EA	48" x 20" Mechanical Joint Ductile Iron Tee <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	20,713.14 1,949.17 3,508.51 1,461.88	806.12
33 14 13 13-0199	EA	48" x 24" Mechanical Joint Ductile Iron Tee <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	20,854.28 1,955.24 3,519.44 1,466.43	859.23
33 14 13 13-0200	EA	48" x 30" Mechanical Joint Ductile Iron Tee <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	25,408.17 2,404.91 4,328.85 1,803.69	896.96



	<b>Utilities</b>	<b>33</b>	
	<b>Water Utilities</b>	<b>33 10</b>	<b>33</b>
	<b>Water Utility Transmission and Distribution</b>	<b>33 14</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0201 EA 48" x 36" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	28,987.47 2,758.37 4,965.06 2,068.78	926.51
33 14 13 13-0202 EA 48" x 42" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	30,412.03 2,898.32 5,216.98 2,173.74	943.02
33 14 13 13-0203 EA 48" x 48" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	30,917.82 2,944.91 5,300.84 2,208.68	969.39
<b>33 14 13 13-0204 Mechanical Joint Ductile Iron Wye (Laterals) <small>(33 14 13 13-0002)</small></b>		
33 14 13 13-0205 EA 4" x 3" Mechanical Joint Ductile Iron Wye (Lateral)..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	252.24 15.17 27.31 11.38	66.33
33 14 13 13-0206 EA 4" x 4" Mechanical Joint Ductile Iron Wye (Lateral)..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	389.62 28.38 51.09 21.29	69.82
33 14 13 13-0207 EA 6" x 3" Mechanical Joint Ductile Iron Wye (Lateral)..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	372.55 23.92 43.06 17.94	88.00
33 14 13 13-0208 EA 6" x 4" Mechanical Joint Ductile Iron Wye (Lateral)..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	431.60 29.28 52.70 21.96	91.64
33 14 13 13-0209 EA 6" x 6" Mechanical Joint Ductile Iron Wye (Lateral)..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	583.80 42.84 77.12 32.13	102.53
33 14 13 13-0210 EA 8" x 4" Mechanical Joint Ductile Iron Wye (Lateral)..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	751.77 59.09 106.36 44.32	106.19
33 14 13 13-0211 EA 8" x 6" Mechanical Joint Ductile Iron Wye (Lateral)..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	671.91 49.45 89.01 37.09	117.10
33 14 13 13-0212 EA 8" x 8" Mechanical Joint Ductile Iron Wye (Lateral)..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	813.25 62.48 112.46 46.86	124.38
33 14 13 13-0213 EA 10" x 4" Mechanical Joint Ductile Iron Wye (Lateral)..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,165.91 99.43 178.98 74.57	113.26

**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0214 EA 10" x 6" Mechanical Joint Ductile Iron Wye (Lateral) .....	1,233.24	123.53
For Cement Mortar Lining (CML), Add	104.61	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	188.29	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	78.46	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0215 EA 10" x 8" Mechanical Joint Ductile Iron Wye (Lateral) .....	1,418.57	130.38
For Cement Mortar Lining (CML), Add	122.10	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	219.78	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	91.58	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0216 EA 10" x 10" Mechanical Joint Ductile Iron Wye (Lateral) .....	1,598.18	137.00
For Cement Mortar Lining (CML), Add	139.06	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	250.31	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	104.30	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0217 EA 12" x 4" Mechanical Joint Ductile Iron Wye (Lateral) .....	1,490.13	126.96
For Cement Mortar Lining (CML), Add	129.78	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	233.60	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	97.33	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0218 EA 12" x 6" Mechanical Joint Ductile Iron Wye (Lateral) .....	1,685.99	137.22
For Cement Mortar Lining (CML), Add	147.81	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	266.05	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	110.86	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0219 EA 12" x 8" Mechanical Joint Ductile Iron Wye (Lateral) .....	2,033.77	144.08
For Cement Mortar Lining (CML), Add	181.55	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	326.78	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	136.16	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0220 EA 12" x 10" Mechanical Joint Ductile Iron Wye (Lateral) .....	2,092.00	150.70
For Cement Mortar Lining (CML), Add	186.37	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	335.46	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	139.78	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0221 EA 12" x 12" Mechanical Joint Ductile Iron Wye (Lateral) .....	1,893.51	157.54
For Cement Mortar Lining (CML), Add	165.48	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	297.87	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	124.11	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0222 EA 14" x 6" Mechanical Joint Ductile Iron Wye (Lateral) .....	2,234.45	159.90
For Cement Mortar Lining (CML), Add	199.22	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	358.59	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	149.41	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0223 EA 14" x 8" Mechanical Joint Ductile Iron Wye (Lateral) .....	2,559.03	166.76
For Cement Mortar Lining (CML), Add	230.64	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	415.15	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	172.98	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0224 EA 14" x 10" Mechanical Joint Ductile Iron Wye (Lateral) .....	3,345.58	173.36
For Cement Mortar Lining (CML), Add	308.29	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	554.92	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	231.22	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0225 EA 14" x 12" Mechanical Joint Ductile Iron Wye (Lateral) .....	3,584.46	180.22
For Cement Mortar Lining (CML), Add	331.14	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	596.05	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	248.36	
Note: ANSI/AWWA C151/A21.51		



	<b>Utilities</b>	<b>33</b>	
	<b>Water Utilities</b>	<b>33 10</b>	<b>CS</b>
	<b>Water Utility Transmission and Distribution</b>	<b>33 14</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0226 EA 14" x 14" Mechanical Joint Ductile Iron Wye (Lateral) ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,501.66 321.14 578.06 240.86	191.55
33 14 13 13-0227 EA 16" x 6" Mechanical Joint Ductile Iron Wye (Lateral) ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,293.50 200.29 360.52 150.22	191.79
33 14 13 13-0228 EA 16" x 8" Mechanical Joint Ductile Iron Wye (Lateral) ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,525.25 222.43 400.37 166.82	198.65
33 14 13 13-0229 EA 16" x 10" Mechanical Joint Ductile Iron Wye (Lateral) ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,979.76 266.88 480.38 200.16	205.27
33 14 13 13-0230 EA 16" x 12" Mechanical Joint Ductile Iron Wye (Lateral) ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,334.67 301.33 542.39 226.00	212.11
33 14 13 13-0231 EA 16" x 14" Mechanical Joint Ductile Iron Wye (Lateral) ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	4,176.57 383.80 690.84 287.85	223.46
33 14 13 13-0232 EA 16" x 16" Mechanical Joint Ductile Iron Wye (Lateral) ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	4,025.80 366.31 659.35 274.73	239.40
33 14 13 13-0233 EA 18" x 6" Mechanical Joint Ductile Iron Wye (Lateral) ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,615.46 324.36 583.84 243.27	245.46
33 14 13 13-0234 EA 18" x 8" Mechanical Joint Ductile Iron Wye (Lateral) ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,893.63 351.13 632.04 263.35	252.31
33 14 13 13-0235 EA 18" x 10" Mechanical Joint Ductile Iron Wye (Lateral) ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	4,162.49 377.02 678.63 282.76	258.93
33 14 13 13-0236 EA 18" x 12" Mechanical Joint Ductile Iron Wye (Lateral) ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	4,454.92 405.22 729.40 303.92	265.78
33 14 13 13-0237 EA 18" x 14" Mechanical Joint Ductile Iron Wye (Lateral) ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	4,504.22 408.44 735.18 306.33	277.12

**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0238 EA 18" x 16" Mechanical Joint Ductile Iron Wye (Lateral) .....	4,549.82	293.06
For Cement Mortar Lining (CML), Add	410.58	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	739.04	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	307.93	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0239 EA 18" x 18" Mechanical Joint Ductile Iron Wye (Lateral) .....	4,158.47	319.90
For Cement Mortar Lining (CML), Add	367.38	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	661.28	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	275.53	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0240 EA 20" x 6" Mechanical Joint Ductile Iron Wye (Lateral) .....	4,285.64	351.98
For Cement Mortar Lining (CML), Add	375.23	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	675.42	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	281.42	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0241 EA 20" x 8" Mechanical Joint Ductile Iron Wye (Lateral) .....	4,379.93	358.85
For Cement Mortar Lining (CML), Add	383.62	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	690.52	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	287.72	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0242 EA 20" x 10" Mechanical Joint Ductile Iron Wye (Lateral) .....	4,811.24	365.46
For Cement Mortar Lining (CML), Add	425.75	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	766.35	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	319.31	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0243 EA 20" x 12" Mechanical Joint Ductile Iron Wye (Lateral) .....	5,239.34	372.31
For Cement Mortar Lining (CML), Add	467.52	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	841.54	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	350.64	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0244 EA 20" x 14" Mechanical Joint Ductile Iron Wye (Lateral) .....	5,292.21	383.64
For Cement Mortar Lining (CML), Add	471.09	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	847.97	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	353.32	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0245 EA 20" x 16" Mechanical Joint Ductile Iron Wye (Lateral) .....	5,353.87	399.60
For Cement Mortar Lining (CML), Add	474.84	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	854.72	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	356.13	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0246 EA 20" x 18" Mechanical Joint Ductile Iron Wye (Lateral) .....	6,204.97	426.43
For Cement Mortar Lining (CML), Add	555.89	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	1,000.59	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	416.91	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0247 EA 20" x 20" Mechanical Joint Ductile Iron Wye (Lateral) .....	5,875.10	479.69
For Cement Mortar Lining (CML), Add	514.83	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	926.69	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	386.12	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0248 EA 24" x 6" Mechanical Joint Ductile Iron Wye (Lateral) .....	5,208.80	458.20
For Cement Mortar Lining (CML), Add	451.46	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	812.62	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	338.59	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0249 EA 24" x 8" Mechanical Joint Ductile Iron Wye (Lateral) .....	5,276.31	465.04
For Cement Mortar Lining (CML), Add	457.17	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	822.90	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	342.88	
Note: ANSI/AWWA C151/A21.51		



	<b>Utilities</b>	<b>33</b>
	<b>Water Utilities</b>	<b>33 10</b>
	<b>Water Utility Transmission and Distribution</b>	<b>33 14</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0250 EA 24" x 10" Mechanical Joint Ductile Iron Wye (Lateral) ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	5,877.22 516.26 929.26 387.19	471.67
33 14 13 13-0251 EA 24" x 12" Mechanical Joint Ductile Iron Wye (Lateral) ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	6,151.77 542.68 976.82 407.01	478.51
33 14 13 13-0252 EA 24" x 14" Mechanical Joint Ductile Iron Wye (Lateral) ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	7,104.36 636.22 1,145.19 477.16	489.85
33 14 13 13-0253 EA 24" x 16" Mechanical Joint Ductile Iron Wye (Lateral) ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	7,894.35 712.80 1,283.04 534.60	505.79
33 14 13 13-0254 EA 24" x 18" Mechanical Joint Ductile Iron Wye (Lateral) ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	8,834.69 802.77 1,444.98 602.08	532.63
33 14 13 13-0255 EA 24" x 20" Mechanical Joint Ductile Iron Wye (Lateral) ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	9,706.21 881.85 1,587.33 661.39	585.90
33 14 13 13-0256 EA 24" x 24" Mechanical Joint Ductile Iron Wye (Lateral) ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	8,608.49 764.03 1,375.26 573.02	639.00
33 14 13 13-0257 EA 30" x 6" Mechanical Joint Ductile Iron Wye (Lateral) ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	10,767.75 995.92 1,792.65 746.94	533.66
33 14 13 13-0258 EA 30" x 8" Mechanical Joint Ductile Iron Wye (Lateral) ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	12,074.15 1,125.52 2,025.93 844.14	540.52
33 14 13 13-0259 EA 30" x 10" Mechanical Joint Ductile Iron Wye (Lateral) ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	12,776.80 1,194.78 2,150.61 896.09	547.13
33 14 13 13-0260 EA 30" x 12" Mechanical Joint Ductile Iron Wye (Lateral) ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	13,479.80 1,264.04 2,275.28 948.03	553.99
33 14 13 13-0261 EA 30" x 14" Mechanical Joint Ductile Iron Wye (Lateral) ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	14,477.01 1,362.05 2,451.68 1,021.54	565.32

**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0262	EA	30" x 16" Mechanical Joint Ductile Iron Wye (Lateral) ..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	15,550.83 1,467.01 2,640.62 1,100.26	581.27
33 14 13 13-0263	EA	30" x 18" Mechanical Joint Ductile Iron Wye (Lateral) ..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	15,943.14 1,502.18 2,703.92 1,126.63	608.10
33 14 13 13-0264	EA	30" x 20" Mechanical Joint Ductile Iron Wye (Lateral) ..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	16,514.76 1,551.27 2,792.28 1,163.45	661.37
33 14 13 13-0265	EA	30" x 24" Mechanical Joint Ductile Iron Wye (Lateral) ..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	17,303.91 1,622.14 2,919.85 1,216.60	714.47
33 14 13 13-0266	EA	30" x 30" Mechanical Joint Ductile Iron Wye (Lateral) ..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	18,755.26 1,761.56 3,170.80 1,321.17	752.21
33 14 13 13-0267	EA	36" x 12" Mechanical Joint Ductile Iron Wye (Lateral) ..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	20,584.86 1,965.60 3,538.07 1,474.20	613.07
33 14 13 13-0268	EA	36" x 14" Mechanical Joint Ductile Iron Wye (Lateral) ..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	21,392.84 2,044.68 3,680.42 1,533.51	624.41
33 14 13 13-0269	EA	36" x 16" Mechanical Joint Ductile Iron Wye (Lateral) ..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	22,197.11 2,122.69 3,820.83 1,592.01	640.36
33 14 13 13-0270	EA	36" x 18" Mechanical Joint Ductile Iron Wye (Lateral) ..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	23,749.76 2,273.89 4,092.99 1,705.41	667.20
33 14 13 13-0271	EA	36" x 20" Mechanical Joint Ductile Iron Wye (Lateral) ..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	25,347.81 2,425.62 4,366.12 1,819.22	720.46
33 14 13 13-0272	EA	36" x 24" Mechanical Joint Ductile Iron Wye (Lateral) ..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	28,118.45 2,694.64 4,850.35 2,020.98	773.56
33 14 13 13-0273	EA	36" x 30" Mechanical Joint Ductile Iron Wye (Lateral) ..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	31,501.30 3,027.21 5,448.97 2,270.40	811.30





<b>Utilities</b>	<b>33</b>	<b>CS</b>
<b>Water Utilities</b>	<b>33 10</b>	
<b>Water Utility Transmission and Distribution</b>	<b>33 14</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0274 EA 36" x 36" Mechanical Joint Ductile Iron Wye (Lateral) ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	37,599.41 3,632.54 6,538.57 2,724.41	840.84
33 14 13 13-0275 EA 42" x 20" Mechanical Joint Ductile Iron Wye (Lateral) ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	33,084.59 3,194.29 5,749.73 2,395.72	753.49
33 14 13 13-0276 EA 42" x 24" Mechanical Joint Ductile Iron Wye (Lateral) ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	33,909.44 3,268.73 5,883.72 2,451.55	806.59
33 14 13 13-0277 EA 42" x 30" Mechanical Joint Ductile Iron Wye (Lateral) ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	36,223.01 3,494.37 6,289.87 2,620.78	844.33
33 14 13 13-0278 EA 42" x 36" Mechanical Joint Ductile Iron Wye (Lateral) ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	41,426.77 4,010.27 7,218.49 3,007.70	873.88
33 14 13 13-0279 EA 42" x 42" Mechanical Joint Ductile Iron Wye (Lateral) ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	48,867.18 4,751.81 8,553.26 3,563.86	890.39
33 14 13 13-0280 EA 48" x 20" Mechanical Joint Ductile Iron Wye (Lateral) ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	32,635.95 3,141.45 5,654.62 2,356.09	806.12
33 14 13 13-0281 EA 48" x 24" Mechanical Joint Ductile Iron Wye (Lateral) ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	36,964.99 3,566.31 6,419.36 2,674.73	859.23
33 14 13 13-0282 EA 48" x 30" Mechanical Joint Ductile Iron Wye (Lateral) ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	39,398.15 3,803.91 6,847.04 2,852.93	896.96
33 14 13 13-0283 EA 48" x 36" Mechanical Joint Ductile Iron Wye (Lateral) ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	44,914.31 4,351.05 7,831.89 3,263.29	926.51
33 14 13 13-0284 EA 48" x 42" Mechanical Joint Ductile Iron Wye (Lateral) ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	58,738.31 5,730.95 10,315.71 4,298.21	943.02
33 14 13 13-0285 EA 48" x 48" Mechanical Joint Ductile Iron Wye (Lateral) ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	64,490.58 6,302.19 11,343.94 4,726.64	969.34

33 14 13 13-0286 Mechanical Joint Ductile Iron Cross (33 14 13 13-0002)

**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0287 EA 3" x 3" Mechanical Joint Ductile Iron Cross <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	350.17 23.03 41.45 17.27	79.13
33 14 13 13-0288 EA 4" x 3" Mechanical Joint Ductile Iron Cross <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	425.01 29.45 53.02 22.09	86.11
33 14 13 13-0289 EA 4" x 4" Mechanical Joint Ductile Iron Cross <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	505.34 37.31 67.16 27.98	87.27
33 14 13 13-0290 EA 6" x 3" Mechanical Joint Ductile Iron Cross <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	602.67 43.91 79.05 32.94	107.88
33 14 13 13-0291 EA 6" x 4" Mechanical Joint Ductile Iron Cross <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	583.32 40.70 73.26 30.53	116.37
33 14 13 13-0292 EA 6" x 6" Mechanical Joint Ductile Iron Cross <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	677.39 45.70 82.26 34.27	145.46
33 14 13 13-0293 EA 8" x 4" Mechanical Joint Ductile Iron Cross <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	598.09 40.52 72.94 30.39	127.29
33 14 13 13-0294 EA 8" x 6" Mechanical Joint Ductile Iron Cross <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	709.99 47.31 85.15 35.48	156.38
33 14 13 13-0295 EA 8" x 8" Mechanical Joint Ductile Iron Cross <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	751.53 49.81 89.65 37.35	167.28
33 14 13 13-0296 EA 10" x 4" Mechanical Joint Ductile Iron Cross <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	729.08 52.84 95.11 39.63	132.46
33 14 13 13-0297 EA 10" x 6" Mechanical Joint Ductile Iron Cross <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	834.86 59.27 106.68 44.45	159.86
33 14 13 13-0298 EA 10" x 8" Mechanical Joint Ductile Iron Cross <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	993.25 73.55 132.38 55.16	170.14



<b>Utilities</b>	<b>33</b>	<b>CS</b>
<b>Water Utilities</b>	<b>33 10</b>	
<b>Water Utility Transmission and Distribution</b>	<b>33 14</b>	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0299	EA	10" x 10" Mechanical Joint Ductile Iron Cross <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,074.76 79.80 143.63 59.85	182.67
33 14 13 13-0300	EA	12 x 4" Mechanical Joint Ductile Iron Cross <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	885.59 66.76 120.17 50.07	143.85
33 14 13 13-0301	EA	12" x 6" Mechanical Joint Ductile Iron Cross <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,028.86 76.94 138.49 57.70	171.25
33 14 13 13-0302	EA	12" x 8" Mechanical Joint Ductile Iron Cross <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,488.93 121.39 218.50 91.04	181.54
33 14 13 13-0303	EA	12" x 10" Mechanical Joint Ductile Iron Cross <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,507.97 121.39 218.50 91.04	194.11
33 14 13 13-0304	EA	12" x 12" Mechanical Joint Ductile Iron Cross <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,712.69 140.13 252.24 105.10	205.50
33 14 13 13-0305	EA	14" x 6" Mechanical Joint Ductile Iron Cross <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,756.34 147.09 264.77 110.32	188.37
33 14 13 13-0306	EA	14" x 8" Mechanical Joint Ductile Iron Cross <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,068.26 176.73 318.11 132.55	198.65
33 14 13 13-0307	EA	14" x 10" Mechanical Joint Ductile Iron Cross <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,123.00 180.30 324.53 135.22	211.22
33 14 13 13-0308	EA	14" x 12" Mechanical Joint Ductile Iron Cross <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,240.24 190.29 342.53 142.72	222.61
33 14 13 13-0309	EA	14" x 14" Mechanical Joint Ductile Iron Cross <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,478.60 211.54 380.77 158.65	239.75
33 14 13 13-0310	EA	16" x 6" Mechanical Joint Ductile Iron Cross <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,008.65 168.69 303.65 126.52	212.33

**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0311 EA 16" x 8" Mechanical Joint Ductile Iron Cross .....	2,286.64	222.61
For Cement Mortar Lining (CML), Add	194.94	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	350.88	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	146.20	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0312 EA 16" x 10" Mechanical Joint Ductile Iron Cross .....	2,738.72	235.17
For Cement Mortar Lining (CML), Add	238.24	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	428.83	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	178.68	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0313 EA 16" x 12" Mechanical Joint Ductile Iron Cross .....	3,053.08	246.58
For Cement Mortar Lining (CML), Add	267.95	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	482.30	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	200.96	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0314 EA 16" x 14" Mechanical Joint Ductile Iron Cross .....	3,689.52	263.70
For Cement Mortar Lining (CML), Add	329.00	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	592.20	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	246.75	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0315 EA 16" x 16" Mechanical Joint Ductile Iron Cross .....	4,320.26	287.71
For Cement Mortar Lining (CML), Add	388.44	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	699.20	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	291.33	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0316 EA 18" x 6" Mechanical Joint Ductile Iron Cross .....	3,327.64	251.07
For Cement Mortar Lining (CML), Add	294.72	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	530.50	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	221.04	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0317 EA 18" x 8" Mechanical Joint Ductile Iron Cross .....	3,518.17	261.36
For Cement Mortar Lining (CML), Add	312.22	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	561.99	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	234.16	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0318 EA 18" x 10" Mechanical Joint Ductile Iron Cross .....	3,683.58	273.92
For Cement Mortar Lining (CML), Add	326.86	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	588.34	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	245.14	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0319 EA 18" x 12" Mechanical Joint Ductile Iron Cross .....	3,993.61	285.32
For Cement Mortar Lining (CML), Add	356.13	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	641.04	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	267.10	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0320 EA 18" x 14" Mechanical Joint Ductile Iron Cross .....	4,660.41	302.44
For Cement Mortar Lining (CML), Add	420.22	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	756.39	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	315.16	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0321 EA 18" x 16" Mechanical Joint Ductile Iron Cross .....	4,960.91	326.40
For Cement Mortar Lining (CML), Add	446.64	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	803.95	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	334.98	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0322 EA 18" x 18" Mechanical Joint Ductile Iron Cross .....	5,194.56	365.12
For Cement Mortar Lining (CML), Add	464.13	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	835.44	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	348.10	
Note: ANSI/AWWA C151/A21.51		



	<b>Utilities</b>	<b>33</b>	
	<b>Water Utilities</b>	<b>33 10</b>	<b>33</b>
	<b>Water Utility Transmission and Distribution</b>	<b>33 14</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0323 EA 20" x 6" Mechanical Joint Ductile Iron Cross ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	4,183.23 370.59 667.06 277.94	315.01
33 14 13 13-0324 EA 20" x 8" Mechanical Joint Ductile Iron Cross ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	4,375.53 388.26 698.88 291.20	325.30
33 14 13 13-0325 EA 20" x 10" Mechanical Joint Ductile Iron Cross ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	4,510.60 399.87 719.76 299.90	337.87
33 14 13 13-0326 EA 20" x 12" Mechanical Joint Ductile Iron Cross ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	4,818.85 428.96 772.14 321.72	349.27
33 14 13 13-0327 EA 20" x 14" Mechanical Joint Ductile Iron Cross ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	4,903.69 434.86 782.74 326.14	366.40
33 14 13 13-0328 EA 20" x 16" Mechanical Joint Ductile Iron Cross ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	5,932.52 534.11 961.39 400.58	390.35
33 14 13 13-0329 EA 20" x 18" Mechanical Joint Ductile Iron Cross ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	6,166.16 551.60 992.88 413.70	429.09
33 14 13 13-0330 EA 20" x 20" Mechanical Joint Ductile Iron Cross ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	6,671.85 592.48 1,066.47 444.36	493.00
33 14 13 13-0331 EA 24" x 6" Mechanical Joint Ductile Iron Cross ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	5,704.31 510.72 919.30 383.04	394.07
33 14 13 13-0332 EA 24" x 8" Mechanical Joint Ductile Iron Cross ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	5,838.02 522.51 940.51 391.88	404.36
33 14 13 13-0333 EA 24" x 10" Mechanical Joint Ductile Iron Cross ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	6,060.24 542.86 977.14 407.14	416.92
33 14 13 13-0334 EA 24" x 12" Mechanical Joint Ductile Iron Cross ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	6,252.47 560.35 1,008.63 420.26	428.33

**33 Utilities**  
**33 10 Water Utilities**  
**33 14 Water Utility Transmission and Distribution**



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0335	EA	24" x 14" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	6,365.86 569.10 1,024.37 426.82	445.44
33 14 13 13-0336	EA	24" x 16" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	6,607.46 589.63 1,061.33 442.22	469.40
33 14 13 13-0337	EA	24" x 18" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	8,738.69 796.88 1,434.38 597.66	508.14
33 14 13 13-0338	EA	24" x 20" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	9,214.03 834.72 1,502.50 626.04	572.09
33 14 13 13-0339	EA	24" x 24" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	10,151.39 916.48 1,649.67 687.36	651.17
33 14 13 13-0340	EA	30" x 8" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	10,917.33 1,012.34 1,822.22 759.26	523.97
33 14 13 13-0341	EA	30" x 10" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	11,134.50 1,032.16 1,857.88 774.12	536.54
33 14 13 13-0342	EA	30" x 12" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	11,348.16 1,051.79 1,893.23 788.84	547.94
33 14 13 13-0343	EA	30" x 14" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	11,600.79 1,074.46 1,934.04 805.85	565.07
33 14 13 13-0344	EA	30" x 16" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	11,890.58 1,099.81 1,979.66 824.86	589.02
33 14 13 13-0345	EA	30" x 18" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	12,231.33 1,128.02 2,030.43 846.01	627.77
33 14 13 13-0346	EA	30" x 20" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	12,665.61 1,161.76 2,091.16 871.32	691.72



	<b>Utilities</b>	<b>33</b>	
	<b>Water Utilities</b>	<b>33 10</b>	<b>33</b>
	<b>Water Utility Transmission and Distribution</b>	<b>33 14</b>	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0347	EA	30" x 24" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	16,286.01 1,511.82 2,721.27 1,133.86	770.76
33 14 13 13-0348	EA	30" x 30" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	18,727.21 1,737.81 3,128.07 1,303.36	890.40
33 14 13 13-0349	EA	36" x 8" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	15,243.42 1,438.27 2,588.89 1,078.70	568.08
33 14 13 13-0350	EA	36" x 10" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	15,458.84 1,457.91 2,624.23 1,093.43	580.63
33 14 13 13-0351	EA	36" x 12" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	15,643.91 1,474.69 2,654.44 1,106.02	592.04
33 14 13 13-0352	EA	36" x 14" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	15,866.20 1,494.32 2,689.78 1,120.74	609.15
33 14 13 13-0353	EA	36" x 16" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	16,127.42 1,516.82 2,730.27 1,137.61	633.12
33 14 13 13-0354	EA	36" x 18" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	16,437.83 1,541.99 2,775.58 1,156.49	671.85
33 14 13 13-0355	EA	36" x 20" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	16,843.55 1,572.87 2,831.16 1,179.65	735.80
33 14 13 13-0356	EA	36" x 24" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	17,552.42 1,631.78 2,937.20 1,223.83	814.86
33 14 13 13-0357	EA	36" x 30" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	23,649.55 2,223.37 4,002.06 1,667.53	934.48
33 14 13 13-0358	EA	36" x 36" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	25,987.03 2,450.43 4,410.78 1,837.83	978.62

**33 Utilities**

**33 10 Water Utilities**

**33 14 Water Utility Transmission and Distribution**



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0359 EA 42" x 12" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	20,466.66 1,953.10 3,515.58 1,464.83	617.53
33 14 13 13-0360 EA 42" x 14" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	23,144.83 2,218.32 3,992.98 1,663.74	634.66
33 14 13 13-0361 EA 42" x 16" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	20,930.54 1,993.27 3,587.88 1,494.95	658.61
33 14 13 13-0362 EA 42" x 18" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	21,205.25 2,014.87 3,626.76 1,511.15	697.36
33 14 13 13-0363 EA 42" x 20" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	21,596.69 2,044.32 3,679.77 1,533.24	761.31
33 14 13 13-0364 EA 42" x 24" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	22,253.78 2,098.05 3,776.49 1,573.54	840.35
33 14 13 13-0365 EA 42" x 30" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	28,497.29 2,704.28 4,867.70 2,028.21	959.98
33 14 13 13-0366 EA 42" x 36" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	37,230.86 3,570.95 6,427.72 2,678.22	1,004.07
33 14 13 13-0367 EA 42" x 42" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	39,897.19 3,833.72 6,900.70 2,875.29	1,029.58
33 14 13 13-0368 EA 48" x 12" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	27,676.61 2,658.76 4,785.76 1,994.07	718.75
33 14 13 13-0369 EA 48" x 14" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	27,863.21 2,674.82 4,814.68 2,006.12	735.88
33 14 13 13-0370 EA 48" x 16" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	28,113.72 2,696.25 4,853.24 2,022.18	759.83





<b>Utilities</b>	<b>33</b>	<b>CS</b>
<b>Water Utilities</b>	<b>33 10</b>	
<b>Water Utility Transmission and Distribution</b>	<b>33 14</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0371 EA 48" x 18" Mechanical Joint Ductile Iron Cross ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	28,386.64 2,717.67 4,891.80 2,038.25	798.58
33 14 13 13-0372 EA 48" x 20" Mechanical Joint Ductile Iron Cross ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	28,753.10 2,744.62 4,940.32 2,058.47	862.54
33 14 13 13-0373 EA 48" x 24" Mechanical Joint Ductile Iron Cross ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	29,381.62 2,795.50 5,031.90 2,096.62	941.57
33 14 13 13-0374 EA 48" x 30" Mechanical Joint Ductile Iron Cross ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	31,092.72 2,948.48 5,307.27 2,211.36	1,061.21
33 14 13 13-0375 EA 48" x 36" Mechanical Joint Ductile Iron Cross ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	38,107.20 3,643.25 6,557.85 2,732.44	1,105.30
33 14 13 13-0376 EA 48" x 42" Mechanical Joint Ductile Iron Cross ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	49,011.87 4,729.85 8,513.74 3,547.39	1,130.79
33 14 13 13-0377 EA 48" x 48" Mechanical Joint Ductile Iron Cross ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	52,196.37 5,032.97 9,059.34 3,774.73	1,231.96
<b>33 14 13 13-0378 Mechanical Joint x Mechanical Joint Ductile Iron Reducers (33 14 13 13-0002)</b>		
33 14 13 13-0379 EA 4" x 3" Mechanical Joint x Mechanical Joint Ductile Iron Reducer ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	168.78 10.35 18.64 7.77	43.05
33 14 13 13-0380 EA 6" x 3" Mechanical Joint x Mechanical Joint Ductile Iron Reducer ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	196.01 11.43 20.57 8.57	53.96
33 14 13 13-0381 EA 6" x 4" Mechanical Joint x Mechanical Joint Ductile Iron Reducer ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	212.02 12.50 22.49 9.37	57.46
33 14 13 13-0382 EA 8" x 4" Mechanical Joint x Mechanical Joint Ductile Iron Reducer ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	269.55 17.14 30.85 12.85	64.74
33 14 13 13-0383 EA 8" x 6" Mechanical Joint x Mechanical Joint Ductile Iron Reducer ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	296.69 18.21 32.77 13.66	75.64

**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0384 EA 10" x 4" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	325.55	67.59
For Cement Mortar Lining (CML), Add	22.31	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	40.17	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	16.74	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0385 EA 10" x 6" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	353.61	77.86
For Cement Mortar Lining (CML), Add	23.56	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	42.42	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	17.67	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0386 EA 10" x 8" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	387.19	84.71
For Cement Mortar Lining (CML), Add	25.88	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	46.59	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	19.41	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0387 EA 12" x 4" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	394.83	74.44
For Cement Mortar Lining (CML), Add	28.21	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	50.77	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	21.15	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0388 EA 12" x 6" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	438.95	84.71
For Cement Mortar Lining (CML), Add	31.06	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	55.91	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	23.30	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0389 EA 12" x 8" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	458.27	91.56
For Cement Mortar Lining (CML), Add	31.95	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	57.52	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	23.97	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0390 EA 12" x 10" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	502.21	98.18
For Cement Mortar Lining (CML), Add	35.35	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	63.62	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	26.51	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0391 EA 14" x 6" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	834.58	96.05
For Cement Mortar Lining (CML), Add	68.91	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	124.03	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	51.68	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0392 EA 14" x 8" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	809.26	102.90
For Cement Mortar Lining (CML), Add	65.34	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	117.60	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	49.00	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0393 EA 14" x 10" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	722.90	109.52
For Cement Mortar Lining (CML), Add	55.70	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	100.25	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	41.77	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0394 EA 14" x 12" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	760.05	116.37
For Cement Mortar Lining (CML), Add	58.37	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	105.07	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	43.78	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0395 EA 16" x 6" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	980.12	111.98
For Cement Mortar Lining (CML), Add	81.04	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	145.88	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	60.78	
Note: ANSI/AWWA C151/A21.51		



	<b>Utilities</b>	<b>33</b>	
	<b>Water Utilities</b>	<b>33 10</b>	<b>33</b>
	<b>Water Utility Transmission and Distribution</b>	<b>33 14</b>	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0396	EA	16" x 8" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	960.17 78.01 140.42 58.51	118.85
33 14 13 13-0397	EA	16" x 10" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	941.64 75.15 135.28 56.37	125.47
33 14 13 13-0398	EA	16" x 12" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,021.64 82.12 147.81 61.59	132.32
33 14 13 13-0399	EA	16" x 14" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,137.00 91.93 165.48 68.95	143.65
33 14 13 13-0400	EA	18" x 8" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,222.17 100.15 180.26 75.11	145.68
33 14 13 13-0401	EA	18" x 10" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,371.44 114.07 205.32 85.55	152.30
33 14 13 13-0402	EA	18" x 12" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,321.13 108.00 194.40 81.00	159.15
33 14 13 13-0403	EA	18" x 14" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,400.79 114.25 205.65 85.69	170.48
33 14 13 13-0404	EA	18" x 16" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,474.93 119.25 214.64 89.43	186.44
33 14 13 13-0405	EA	20" x 8" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,725.97 142.45 256.42 106.84	198.95
33 14 13 13-0406	EA	20" x 10" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,653.87 134.24 241.63 100.68	205.56
33 14 13 13-0407	EA	20" x 12" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,523.23 120.14 216.25 90.10	212.41

**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0408 EA 20" x 14" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,531.47	223.75
For Cement Mortar Lining (CML), Add	119.25	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	214.64	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	89.43	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0409 EA 20" x 16" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,580.63	239.70
For Cement Mortar Lining (CML), Add	121.75	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	219.14	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	91.31	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0410 EA 20" x 18" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,897.98	266.53
For Cement Mortar Lining (CML), Add	149.42	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	268.95	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	112.06	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0411 EA 24" x 12" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	2,242.75	265.51
For Cement Mortar Lining (CML), Add	184.05	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	331.28	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	138.03	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0412 EA 24" x 14" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	2,306.34	276.86
For Cement Mortar Lining (CML), Add	188.69	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	339.64	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	141.52	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0413 EA 24" x 16" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	2,355.50	292.79
For Cement Mortar Lining (CML), Add	191.19	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	344.13	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	143.39	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0414 EA 24" x 18" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	2,312.24	319.63
For Cement Mortar Lining (CML), Add	182.80	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	329.03	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	137.10	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0415 EA 24" x 20" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	2,828.52	372.91
For Cement Mortar Lining (CML), Add	226.35	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	407.44	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	169.76	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0416 EA 30" x 16" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	4,651.21	330.54
For Cement Mortar Lining (CML), Add	415.04	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	747.07	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	311.28	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0417 EA 30" x 18" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	4,856.10	357.36
For Cement Mortar Lining (CML), Add	431.46	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	776.64	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	323.60	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0418 EA 30" x 20" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	4,697.60	410.63
For Cement Mortar Lining (CML), Add	407.54	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	733.58	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	305.66	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0419 EA 30" x 24" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	4,583.47	463.74
For Cement Mortar Lining (CML), Add	388.09	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	698.55	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	291.06	
Note: ANSI/AWWA C151/A21.51		



	<b>Utilities</b>	<b>33</b>	
	<b>Water Utilities</b>	<b>33 10</b>	<b>33</b>
	<b>Water Utility Transmission and Distribution</b>	<b>33 14</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0420 EA 36" x 20" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	6,980.90 631.40 1,136.51 473.55	440.18
33 14 13 13-0421 EA 36" x 24" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	5,760.01 501.26 902.27 375.95	493.28
33 14 13 13-0422 EA 36" x 30" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	6,256.33 545.18 981.32 408.88	531.02
33 14 13 13-0423 EA 42" x 16" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	9,096.33 852.57 1,534.63 639.43	376.60
33 14 13 13-0424 EA 42" x 18" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	9,058.44 844.72 1,520.49 633.54	403.42
33 14 13 13-0425 EA 42" x 20" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	9,110.59 841.86 1,515.35 631.40	456.69
33 14 13 13-0426 EA 42" x 24" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	10,167.50 939.51 1,691.12 704.63	509.80
33 14 13 13-0427 EA 42" x 30" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	8,371.72 754.21 1,357.58 565.66	547.52
33 14 13 13-0428 EA 42" x 36" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	8,762.81 788.85 1,419.92 591.63	577.08
33 14 13 13-0429 EA 48" x 16" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	12,267.30 1,165.68 2,098.23 874.26	402.92
33 14 13 13-0430 EA 48" x 18" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	11,890.25 1,123.91 2,023.04 842.93	429.75
33 14 13 13-0431 EA 48" x 20" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	11,328.30 1,059.65 1,907.36 794.74	483.01

**33 Utilities**  
**33 10 Water Utilities**  
**33 14 Water Utility Transmission and Distribution**



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0432	EA	48" x 24" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	11,678.32 1,086.60 1,955.89 814.95	536.11
33 14 13 13-0433	EA	48" x 30" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	13,961.54 1,309.21 2,356.57 981.91	573.85
33 14 13 13-0434	EA	48" x 36" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	12,219.39 1,130.52 2,034.93 847.89	603.39
33 14 13 13-0435	EA	48" x 42" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	13,419.02 1,247.98 2,246.36 935.98	619.91
<b>33 14 13 13-0436</b>		<b>Mechanical Joint Ductile Iron Caps (33 14 13 13-0002)</b>		
33 14 13 13-0437	EA	3" Mechanical Joint Ductile Iron Caps ..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	184.16 4.64 8.35 3.48	90.91
33 14 13 13-0438	EA	4" Mechanical Joint Ductile Iron Caps ..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	209.82 4.82 8.68 3.62	106.67
33 14 13 13-0439	EA	6" Mechanical Joint Ductile Iron Caps ..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	287.72 8.57 15.42 6.43	133.34
33 14 13 13-0440	EA	8" Mechanical Joint Ductile Iron Caps ..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	373.70 14.28 25.71 10.71	152.40
33 14 13 13-0441	EA	10" Mechanical Joint Ductile Iron Caps ..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	526.26 18.03 32.45 13.52	228.34
33 14 13 13-0442	EA	12" Mechanical Joint Ductile Iron Caps ..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	646.96 26.96 48.52 20.22	249.09
33 14 13 13-0443	EA	14" Mechanical Joint Ductile Iron Caps ..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	823.94 40.88 73.58 30.66	274.00
33 14 13 13-0444	EA	16" Mechanical Joint Ductile Iron Caps ..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,009.31 54.80 98.65 41.10	304.41



	<b>Utilities</b>	<b>33</b>	
	<b>Water Utilities</b>	<b>33 10</b>	<b>33</b>
	<b>Water Utility Transmission and Distribution</b>	<b>33 14</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0445 EA 18" Mechanical Joint Ductile Iron Caps ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,188.36 66.94 120.50 50.21	342.50
33 14 13 13-0446 EA 20" Mechanical Joint Ductile Iron Caps ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,458.86 86.58 155.84 64.93	391.39
33 14 13 13-0447 EA 24" Mechanical Joint Ductile Iron Caps ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,880.81 118.89 214.00 89.17	456.66
33 14 13 13-0448 EA 30" Mechanical Joint Ductile Iron Caps ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,549.05 271.87 489.37 203.91	548.00
33 14 13 13-0449 EA 36" Mechanical Joint Ductile Iron Caps ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	5,982.66 494.48 890.06 370.86	685.00
33 14 13 13-0450 EA 42" Mechanical Joint Ductile Iron Caps ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	8,744.75 749.93 1,349.87 562.45	822.00
33 14 13 13-0451 EA 48" Mechanical Joint Ductile Iron Caps ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	10,420.13 903.63 1,626.53 677.72	913.34
<b>33 14 13 13-0452 Mechanical Joint Ductile Iron Plug</b> (33 14 13 13-0002)		
33 14 13 13-0453 EA 3" Mechanical Joint Ductile Iron Plug ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	191.30 5.36 9.64 4.02	90.91
33 14 13 13-0454 EA 4" Mechanical Joint Ductile Iron Plug ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	220.54 5.89 10.60 4.42	106.67
33 14 13 13-0455 EA 6" Mechanical Joint Ductile Iron Plug ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	316.28 11.43 20.57 8.57	133.34
33 14 13 13-0456 EA 8" Mechanical Joint Ductile Iron Plug ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	402.26 17.14 30.85 12.85	152.40
33 14 13 13-0457 EA 10" Mechanical Joint Ductile Iron Plug ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	642.29 29.63 53.34 22.22	228.34

**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0458 EA 12" Mechanical Joint Ductile Iron Plug.....	679.10	249.09
For Cement Mortar Lining (CML), Add	30.17	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	54.30	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	22.63	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0459 EA 14" Mechanical Joint Ductile Iron Plug.....	1,029.23	274.00
For Cement Mortar Lining (CML), Add	61.41	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	110.53	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	46.06	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0460 EA 16" Mechanical Joint Ductile Iron Plug.....	539.83	304.41
For Cement Mortar Lining (CML), Add	7.86	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	14.14	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	5.89	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0461 EA 18" Mechanical Joint Ductile Iron Plug.....	1,493.62	342.50
For Cement Mortar Lining (CML), Add	97.47	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	175.44	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	73.10	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0462 EA 20" Mechanical Joint Ductile Iron Plug.....	1,874.80	391.39
For Cement Mortar Lining (CML), Add	128.17	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	230.71	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	96.13	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0463 EA 24" Mechanical Joint Ductile Iron Plug.....	2,469.90	456.66
For Cement Mortar Lining (CML), Add	177.80	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	320.04	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	133.35	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0464 EA 30" Mechanical Joint Ductile Iron Plug.....	4,359.49	548.00
For Cement Mortar Lining (CML), Add	352.92	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	635.25	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	264.69	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0465 EA 36" Mechanical Joint Ductile Iron Plug.....	6,489.64	685.00
For Cement Mortar Lining (CML), Add	545.18	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	981.32	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	408.88	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0466 EA 42" Mechanical Joint Ductile Iron Plug.....	8,809.01	822.00
For Cement Mortar Lining (CML), Add	756.36	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	1,361.44	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	567.27	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0467 EA 48" Mechanical Joint Ductile Iron Plug.....	11,466.21	913.34
For Cement Mortar Lining (CML), Add	1,008.24	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	1,814.82	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	756.18	
Note: ANSI/AWWA C151/A21.51		
<b>33 14 13 13-0468 Mechanical Joint Ductile Iron Long Sleeves (33 14 13 13-0002)</b>		
33 14 13 13-0469 EA 3" Mechanical Joint Ductile Iron Long Sleeves.....	307.55	138.18
For Cement Mortar Lining (CML), Add	9.82	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	17.67	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	7.36	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0470 EA 4" Mechanical Joint Ductile Iron Long Sleeves.....	358.46	160.00
For Cement Mortar Lining (CML), Add	11.60	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	20.89	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	8.70	
Note: ANSI/AWWA C151/A21.51		





	<b>Utilities</b>	<b>33</b>	
	<b>Water Utilities</b>	<b>33 10</b>	<b>33</b>
	<b>Water Utility Transmission and Distribution</b>	<b>33 14</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0471 EA 6" Mechanical Joint Ductile Iron Long Sleeves ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	497.61 19.46 35.02 14.59	200.00
33 14 13 13-0472 EA 8" Mechanical Joint Ductile Iron Long Sleeves ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	665.87 31.95 57.52 23.97	228.54
33 14 13 13-0473 EA 10" Mechanical Joint Ductile Iron Long Sleeves ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	899.17 38.02 68.44 28.52	342.50
33 14 13 13-0474 EA 12" Mechanical Joint Ductile Iron Long Sleeves ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,080.23 51.41 92.54 38.56	373.63
33 14 13 13-0475 EA 14" Mechanical Joint Ductile Iron Long Sleeves ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,399.26 77.65 139.78 58.24	411.00
33 14 13 13-0476 EA 16" Mechanical Joint Ductile Iron Long Sleeves ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,675.52 98.36 177.05 73.77	456.66
33 14 13 13-0477 EA 18" Mechanical Joint Ductile Iron Long Sleeves ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,036.92 125.85 226.53 94.39	513.75
33 14 13 13-0478 EA 20" Mechanical Joint Ductile Iron Long Sleeves ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,408.76 151.91 273.45 113.94	587.13
33 14 13 13-0479 EA 24" Mechanical Joint Ductile Iron Long Sleeves ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,039.00 200.11 360.20 150.08	685.00
33 14 13 13-0480 EA 30" Mechanical Joint Ductile Iron Long Sleeves ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	5,436.92 419.15 754.46 314.36	822.00
33 14 13 13-0481 EA 36" Mechanical Joint Ductile Iron Long Sleeves ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	7,442.37 588.55 1,059.40 441.42	1,027.50
33 14 13 13-0482 EA 42" Mechanical Joint Ductile Iron Long Sleeves ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	9,649.57 787.24 1,417.03 590.43	1,172.91

**33 Utilities**  
**33 10 Water Utilities**  
**33 14 Water Utility Transmission and Distribution**



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0483 EA 48" Mechanical Joint Ductile Iron Long Sleeves ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	13,134.59 1,105.88 1,990.59 829.41	1,370.00
<b>33 14 13 13-0484 Mechanical Joint Ductile Iron Gland Packs</b> (33 14 13 13-0002) Note: Includes ductile iron retainer gland, gasket, break off torque bolts and all nuts.		
<b>33 14 13 13-0485 Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts</b> (33 14 13 13-0484) Note: Labor installation is included with pipe fittings or valves.		
33 14 13 13-0486 EA 3" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts .....	35.70	
33 14 13 13-0487 EA 4" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts ..... Note: Includes four (4) 3/4" diameter plain finish Boltss with nut.	58.03	
33 14 13 13-0488 EA 6" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts ..... Note: Includes six (6) 3/4" diameter plain finish Boltss with nut.	70.12	
33 14 13 13-0489 EA 8" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts ..... Note: Includes six (6) 3/4" diameter plain finish Boltss with nut.	82.21	
33 14 13 13-0490 EA 10" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts ..... Note: Includes eight (8) 3/4" diameter plain finish Boltss with nut.	113.65	
33 14 13 13-0491 EA 12" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts ..... Note: Includes eight (8) 3/4" diameter plain finish Boltss with nut.	120.90	
33 14 13 13-0492 EA 14" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts ..... Note: Includes ten (10) 3/4" diameter plain finish Boltss with nut.	198.28	
33 14 13 13-0493 EA 16" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts ..... Note: Includes twelve (12) 3/4" diameter plain finish Boltss with nut.	210.37	
33 14 13 13-0494 EA 18" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts ..... Note: Includes twelve (12) 3/4" diameter plain finish Boltss with nut.	280.49	
33 14 13 13-0495 EA 20" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts ..... Note: Includes fourteen (14) 3/4" diameter plain finish Boltss with nut.	362.70	
33 14 13 13-0496 EA 24" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts ..... Note: Includes sixteen (16) 3/4" diameter plain finish Boltss with nut.	505.36	
33 14 13 13-0497 EA 30" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts ..... Note: Includes twenty (20) 1" diameter plain finish Boltss with nut.	1,206.58	
33 14 13 13-0498 EA 36" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts ..... Note: Includes twenty-four (24) 1" diameter plain finish Boltss with nut.	2,601.77	
33 14 13 13-0499 EA 42" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts ..... Note: Includes twenty-eight (28) 1-1/4" diameter plain finish Boltss with nut.	3,798.68	
33 14 13 13-0500 EA 48" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts ..... Note: Includes thirty-two (32) 1-1/4" diameter plain finish Boltss with nut.	4,661.90	
<b>33 14 13 13-0501 Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts</b> (33 14 13 13-0484) Note: Labor installation is included with pipe fittings or valves.		
33 14 13 13-0502 EA 3" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts.....	60.69	
33 14 13 13-0503 EA 4" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts..... Note: Includes four (4) 3/4" diameter plain finish Boltss with nut.	82.21	
33 14 13 13-0504 EA 6" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts..... Note: Includes six (6) 3/4" diameter plain finish Boltss with nut.	103.97	
33 14 13 13-0505 EA 8" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts..... Note: Includes six (6) 3/4" diameter plain finish Boltss with nut.	113.65	
33 14 13 13-0506 EA 10" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts ..... Note: Includes eight (8) 3/4" diameter plain finish Boltss with nut.	157.17	
33 14 13 13-0507 EA 12" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts ..... Note: Includes eight (8) 3/4" diameter plain finish Boltss with nut.	164.42	
33 14 13 13-0508 EA 14" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts ..... Note: Includes ten (10) 3/4" diameter plain finish Boltss with nut.	249.05	
33 14 13 13-0509 EA 16" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts ..... Note: Includes twelve (12) 3/4" diameter plain finish Boltss with nut.	273.23	
33 14 13 13-0510 EA 18" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts ..... Note: Includes twelve (12) 3/4" diameter plain finish Boltss with nut.	362.70	
33 14 13 13-0511 EA 20" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts ..... Note: Includes fourteen (14) 3/4" diameter plain finish Boltss with nut.	469.09	
33 14 13 13-0512 EA 24" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts ..... Note: Includes sixteen (16) 3/4" diameter plain finish Boltss with nut.	655.28	
<b>33 14 13 13-0513 Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts</b> (33 14 13 13-0484) Note: Labor installation is included with pipe fittings or valves.		
33 14 13 13-0514 EA 3" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts .....	39.27	
33 14 13 13-0515 EA 4" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts ..... Note: Includes four (4) 3/4" diameter plain finish Boltss with nut.	62.87	
33 14 13 13-0516 EA 6" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts ..... Note: Includes six (6) 3/4" diameter plain finish Boltss with nut.	74.96	
33 14 13 13-0517 EA 8" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts ..... Note: Includes six (6) 3/4" diameter plain finish Boltss with nut.	89.47	
33 14 13 13-0518 EA 10" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts ..... Note: Includes eight (8) 3/4" diameter plain finish Boltss with nut.	123.32	



<b>Utilities</b>	<b>33</b>	<b>CS</b>
<b>Water Utilities</b>	<b>33 10</b>	
<b>Water Utility Transmission and Distribution</b>	<b>33 14</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0519 EA 12" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	130.57	
Note: Includes eight (8) 3/4" diameter plain finish Boltss with nut.		
33 14 13 13-0520 EA 14" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	215.20	
Note: Includes ten (10) 3/4" diameter plain finish Boltss with nut.		
33 14 13 13-0521 EA 16" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	227.29	
Note: Includes twelve (12) 3/4" diameter plain finish Boltss with nut.		
33 14 13 13-0522 EA 18" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	307.09	
Note: Includes twelve (12) 3/4" diameter plain finish Boltss with nut.		
33 14 13 13-0523 EA 20" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	394.13	
Note: Includes fourteen (14) 3/4" diameter plain finish Boltss with nut.		
33 14 13 13-0524 EA 24" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	551.30	
Note: Includes sixteen (16) 3/4" diameter plain finish Boltss with nut.		
33 14 13 13-0525 EA 30" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	1,320.23	
Note: Includes twenty (20) 1" diameter plain finish Boltss with nut.		
33 14 13 13-0526 EA 36" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	2,925.78	
Note: Includes twenty-four (24) 1" diameter plain finish Boltss with nut.		
33 14 13 13-0527 EA 42" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	4,236.34	
Note: Includes twenty-eight (28) 1-1/4" diameter plain finish Boltss with nut.		
33 14 13 13-0528 EA 48" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts.....	5,213.21	
Note: Includes thirty-two (32) 1-1/4" diameter plain finish Boltss with nut.		
<b>33 14 13 13-0529 Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters (33 14 13 13-0002)</b>		
33 14 13 13-0530 EA 3" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	325.40	138.18
For Cement Mortar Lining (CML), Add	11.60	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	20.89	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	8.70	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0531 EA 4" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	367.39	160.00
For Cement Mortar Lining (CML), Add	12.50	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	22.49	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	9.37	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0532 EA 6" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	476.19	200.00
For Cement Mortar Lining (CML), Add	17.32	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	31.17	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	12.99	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0533 EA 8" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	608.74	228.54
For Cement Mortar Lining (CML), Add	26.24	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	47.23	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	19.68	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0534 EA 10" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	975.93	342.50
For Cement Mortar Lining (CML), Add	45.70	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	82.26	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	34.27	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0535 EA 12" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	1,151.64	373.63
For Cement Mortar Lining (CML), Add	58.55	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	105.39	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	43.91	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0536 EA 14" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	1,552.78	411.00
For Cement Mortar Lining (CML), Add	93.01	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	167.41	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	69.75	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0537 EA 16" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	1,754.07	456.66
For Cement Mortar Lining (CML), Add	106.22	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	191.19	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	79.66	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0538 EA 18" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	2,402.87	513.75
For Cement Mortar Lining (CML), Add	162.45	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	292.40	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	121.83	
Note: ANSI/AWWA C151/A21.51		

**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0539 EA 20" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	2,824.69	587.13
For Cement Mortar Lining (CML), Add	193.51	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	348.31	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	145.13	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0540 EA 24" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	3,421.02	685.00
For Cement Mortar Lining (CML), Add	238.31	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	428.97	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	178.74	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0541 EA 30" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	5,631.50	822.00
For Cement Mortar Lining (CML), Add	438.60	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	789.49	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	328.95	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0542 EA 36" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	7,842.24	1,027.50
For Cement Mortar Lining (CML), Add	628.54	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	1,131.37	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	471.41	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0543 EA 42" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	10,542.38	1,174.26
For Cement Mortar Lining (CML), Add	876.32	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	1,577.37	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	657.24	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0544 EA 48" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	13,050.69	1,370.00
For Cement Mortar Lining (CML), Add	1,097.49	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	1,975.49	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	823.12	
Note: ANSI/AWWA C151/A21.51		
<b>33 14 13 13-0545 Mechanical Joint Restraints With Accessories For Ductile Iron Pipe</b>		
<b>(MEGALUG® 1100DEC Series)</b> (33 14 13 13-0002)		
Note: Includes ductile iron retainer gland, gasket, break off torque bolts and all nuts and bolts. Excludes pipe and fitting.		
33 14 13 13-0546 EA 3" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1103DSC).....	197.03	69.31
33 14 13 13-0547 EA 4" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1104DEC).....	224.34	82.10
33 14 13 13-0548 EA 6" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1106DEC).....	278.33	101.60
33 14 13 13-0549 EA 8" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1108DEC).....	348.44	118.57
33 14 13 13-0550 EA 10" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1110DEC).....	500.74	171.25
33 14 13 13-0551 EA 12" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1112DEC).....	619.97	195.74
33 14 13 13-0552 EA 14" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1114DEC).....	724.87	210.69
33 14 13 13-0553 EA 16" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1116DEC).....	898.62	228.34
33 14 13 13-0554 EA 18" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1118DEC).....	1,156.31	274.00
33 14 13 13-0555 EA 20" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1120DEC).....	1,368.06	304.31
33 14 13 13-0556 EA 24" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1124DEC).....	1,784.12	351.11
33 14 13 13-0557 EA 30" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1130DEC).....	3,508.07	421.07
33 14 13 13-0558 EA 36" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1136DEC).....	4,330.93	526.93
33 14 13 13-0559 EA 42" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1142DEC).....	6,420.72	608.00
33 14 13 13-0560 EA 48" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1148DEC).....	8,221.87	781.94
<b>33 14 13 13-0561 Mechanical Joint Ductile Iron Force Balanced Flexible Expansion Joint</b>		
<b>(FLEX-TEND®)</b> (33 14 13 13-0002)		
33 14 13 13-0562 EA 3" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint.....	4,421.47	56.73
33 14 13 13-0563 EA 4" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint.....	4,601.94	70.91
33 14 13 13-0564 EA 6" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint.....	6,677.60	104.80
33 14 13 13-0565 EA 8" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint.....	9,077.45	124.30
33 14 13 13-0566 EA 10" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint.....	11,443.65	136.69
33 14 13 13-0567 EA 12" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint.....	15,267.36	160.36
33 14 13 13-0568 EA 14" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint.....	18,810.74	179.82
33 14 13 13-0569 EA 16" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint.....	22,255.33	205.50
33 14 13 13-0570 EA 18" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint.....	25,080.76	287.71
33 14 13 13-0571 EA 20" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint.....	33,746.44	359.63
33 14 13 13-0572 EA 24" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint.....	46,763.05	479.50
<b>33 14 13 13-0573 Set Screw Flange Adapter For Ductile Iron Pipe (E-Z Flange 1000DSM</b>		
<b>Series)</b> (33 14 13 13-0002)		
Note: Includes machined bolts and gasket.		



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
				33 14 13 13-0574 EA 3" E-Z Flange Set Screw Flange Adapter For Ductile Iron Pipe (EBAA Iron 1003DSM) .....	195.55	69.31
				33 14 13 13-0575 EA 4" E-Z Flange Set Screw Flange Adapter For Ductile Iron Pipe (EBAA Iron 1004DSM) .....	251.89	82.10
				33 14 13 13-0576 EA 6" E-Z Flange Set Screw Flange Adapter For Ductile Iron Pipe (EBAA Iron 1006DSM) .....	326.12	101.60
				33 14 13 13-0577 EA 8" E-Z Flange Set Screw Flange Adapter For Ductile Iron Pipe (EBAA Iron 1008DSM) .....	371.87	118.57
				33 14 13 13-0578 EA 10" E-Z Flange Set Screw Flange Adapter For Ductile Iron Pipe (EBAA Iron 1010DSM) .....	656.47	181.82
				33 14 13 13-0579 EA 12" E-Z Flange Set Screw Flange Adapter For Ductile Iron Pipe (EBAA Iron 1012DSM) .....	742.71	207.83
<b>33 14 13 13-0580</b>				<b>Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 2100 Series)</b> <small>(33 14 13 13-0002)</small>		
				Note: Includes nuts, bolts and gasket.		
				33 14 13 13-0581 EA 3" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 210300) .....	289.14	69.31
				33 14 13 13-0582 EA 4" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 210400) .....	360.17	82.10
				33 14 13 13-0583 EA 6" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 210600) .....	500.21	101.60
				33 14 13 13-0584 EA 8" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 210800) .....	726.88	118.57
				33 14 13 13-0585 EA 10" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 211000) .....	1,051.73	181.82
				33 14 13 13-0586 EA 12" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 211200) .....	1,310.02	207.83
				33 14 13 13-0587 EA 14" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 211400) .....	2,030.93	223.70
				33 14 13 13-0588 EA 16" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 211600) .....	2,855.44	242.43
				33 14 13 13-0589 EA 18" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 211800) .....	3,227.55	290.92
				33 14 13 13-0590 EA 20" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 212000) .....	3,565.03	323.09
				33 14 13 13-0591 EA 24" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 212400) .....	4,315.15	372.79
				33 14 13 13-0592 EA 30" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 213000) .....	5,555.91	447.06
				33 14 13 13-0593 EA 36" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 213600) .....	8,312.42	559.46
				33 14 13 13-0594 EA 42" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 214200) .....	21,787.05	645.53
				33 14 13 13-0595 EA 48" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 214800) .....	27,905.66	830.21
<b>33 14 13 13-0596</b>				<b>Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Piping</b> <small>(33 14 13 13-0001)</small>		
				Note: See CSI section 33 14 13 13-0484 for bolts and gaskets.		
<b>33 14 13 13-0597</b>				<b>Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow</b> <small>(33 14 13 13-0596)</small>		
				33 14 13 13-0598 EA 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow .....	440.17	39.56
				33 14 13 13-0599 EA 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow .....	526.83	47.39
				33 14 13 13-0600 EA 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow .....	818.05	69.43
				33 14 13 13-0601 EA 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow .....	1,119.92	82.65
				33 14 13 13-0602 EA 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow .....	1,537.57	91.34
				33 14 13 13-0603 EA 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow .....	1,950.59	106.91
				33 14 13 13-0604 EA 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow .....	2,777.18	120.39
				33 14 13 13-0605 EA 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow .....	3,370.80	137.00
				33 14 13 13-0606 EA 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow .....	4,069.67	192.01
				33 14 13 13-0607 EA 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow .....	5,072.39	239.75
				33 14 13 13-0608 EA 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow .....	7,174.42	319.67
				33 14 13 13-0609 EA 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow .....	11,509.92	342.50
				33 14 13 13-0610 EA 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow .....	16,972.50	356.00
				33 14 13 13-0611 EA 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow .....	27,986.83	411.00
				33 14 13 13-0612 EA 48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow .....	36,623.72	436.95
<b>33 14 13 13-0613</b>				<b>Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow</b> <small>(33 14 13 13-0596)</small>		
				33 14 13 13-0614 EA 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow .....	420.53	39.56
				33 14 13 13-0615 EA 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow .....	492.91	47.39
				33 14 13 13-0616 EA 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow .....	759.14	69.43
				33 14 13 13-0617 EA 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow .....	1,028.88	82.65
				33 14 13 13-0618 EA 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow .....	1,344.78	91.34
				33 14 13 13-0619 EA 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow .....	1,777.43	106.91
				33 14 13 13-0620 EA 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow .....	2,405.88	120.39
				33 14 13 13-0621 EA 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow .....	2,881.68	137.00
				33 14 13 13-0622 EA 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow .....	3,403.82	192.01
				33 14 13 13-0623 EA 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow .....	4,131.63	239.75
				33 14 13 13-0624 EA 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow .....	5,444.64	319.67
				33 14 13 13-0625 EA 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow .....	10,051.48	342.50
				33 14 13 13-0626 EA 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow .....	13,914.59	356.00
				33 14 13 13-0627 EA 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow .....	20,692.83	411.00
				33 14 13 13-0628 EA 48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow .....	26,502.09	436.95
<b>33 14 13 13-0629</b>				<b>Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow</b> <small>(33 14 13 13-0596)</small>		
				33 14 13 13-0630 EA 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow .....	325.92	39.56
				33 14 13 13-0631 EA 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow .....	487.55	47.39
				33 14 13 13-0632 EA 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow .....	737.72	69.43
				33 14 13 13-0633 EA 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow .....	1,021.74	82.65
				33 14 13 13-0634 EA 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow .....	1,343.00	91.34
				33 14 13 13-0635 EA 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow .....	1,673.90	106.91
				33 14 13 13-0636 EA 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow .....	2,420.16	120.39



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0637 EA 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow .....	2,817.42	137.00
33 14 13 13-0638 EA 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow .....	3,387.75	192.01
33 14 13 13-0639 EA 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow .....	4,279.79	239.75
33 14 13 13-0640 EA 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow .....	5,326.82	319.67
33 14 13 13-0641 EA 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow .....	8,939.35	342.50
33 14 13 13-0642 EA 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow .....	12,218.73	356.00
33 14 13 13-0643 EA 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow .....	17,499.25	411.00
33 14 13 13-0644 EA 48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow .....	22,419.52	436.95
<b>33 14 13 13-0645 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow</b> <small>(33 14 13 13-0596)</small>		
33 14 13 13-0646 EA 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow .....	325.92	39.56
33 14 13 13-0647 EA 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow .....	585.73	47.39
33 14 13 13-0648 EA 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow .....	744.86	69.43
33 14 13 13-0649 EA 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow .....	989.61	82.65
33 14 13 13-0650 EA 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow .....	1,339.43	91.34
33 14 13 13-0651 EA 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow .....	1,625.70	106.91
33 14 13 13-0652 EA 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow .....	2,607.60	120.39
33 14 13 13-0653 EA 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow .....	2,904.89	137.00
33 14 13 13-0654 EA 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow .....	3,894.73	192.01
33 14 13 13-0655 EA 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow .....	4,126.27	239.75
33 14 13 13-0656 EA 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow .....	5,328.61	319.67
33 14 13 13-0657 EA 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow .....	9,057.17	342.50
33 14 13 13-0658 EA 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow .....	11,881.34	356.00
33 14 13 13-0659 EA 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow .....	17,017.27	411.00
33 14 13 13-0660 EA 48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow .....	22,290.99	436.95
<b>33 14 13 13-0661 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow</b> <small>(33 14 13 13-0596)</small>		
33 14 13 13-0662 EA 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow .....	384.83	39.56
33 14 13 13-0663 EA 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow .....	567.88	47.39
33 14 13 13-0664 EA 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow .....	885.89	69.43
33 14 13 13-0665 EA 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow .....	1,205.61	82.65
33 14 13 13-0666 EA 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow .....	1,662.53	91.34
33 14 13 13-0667 EA 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow .....	2,088.04	106.91
33 14 13 13-0668 EA 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow .....	3,764.36	120.39
33 14 13 13-0669 EA 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow .....	5,882.47	137.00
33 14 13 13-0670 EA 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow .....	6,717.00	192.01
33 14 13 13-0671 EA 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow .....	7,739.36	239.75
33 14 13 13-0672 EA 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow .....	8,359.74	319.67
<b>33 14 13 13-0673 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow</b> <small>(33 14 13 13-0596)</small>		
33 14 13 13-0674 EA 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow .....	384.83	39.56
33 14 13 13-0675 EA 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow .....	500.05	47.39
33 14 13 13-0676 EA 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow .....	787.71	69.43
33 14 13 13-0677 EA 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow .....	1,116.35	82.65
33 14 13 13-0678 EA 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow .....	1,482.24	91.34
33 14 13 13-0679 EA 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow .....	1,930.95	106.91
33 14 13 13-0680 EA 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow .....	2,577.25	120.39
33 14 13 13-0681 EA 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow .....	3,097.68	137.00
33 14 13 13-0682 EA 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow .....	5,806.58	192.01
33 14 13 13-0683 EA 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow .....	6,086.32	239.75
33 14 13 13-0684 EA 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow .....	6,328.26	319.67



	MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0685	<b>Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee</b> <small>(33 14 13 13-0596)</small>		
33 14 13 13-0686	EA 3" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	541.56	59.36
33 14 13 13-0687	EA 4" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	590.50	66.91
33 14 13 13-0688	EA 4" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	623.47	69.43
33 14 13 13-0689	EA 6" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	890.23	88.00
33 14 13 13-0690	EA 6" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	965.35	91.46
33 14 13 13-0691	EA 6" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	1,017.58	102.48
33 14 13 13-0692	EA 8" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	1,185.56	105.79
33 14 13 13-0693	EA 8" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	1,282.42	116.80
33 14 13 13-0694	EA 8" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	1,411.27	124.52
33 14 13 13-0695	EA 10" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	1,594.34	113.13
33 14 13 13-0696	EA 10" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	1,590.26	123.51
33 14 13 13-0697	EA 10" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	1,723.83	130.77
33 14 13 13-0698	EA 10" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	1,860.59	137.00
33 14 13 13-0699	EA 12" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	1,920.35	126.62
33 14 13 13-0700	EA 12" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	1,935.91	137.00
33 14 13 13-0701	EA 12" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	2,094.46	144.27
33 14 13 13-0702	EA 12" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	2,416.89	150.50
33 14 13 13-0703	EA 12" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	2,421.90	157.75
33 14 13 13-0704	EA 14" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	2,746.78	159.83
33 14 13 13-0705	EA 14" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	2,973.17	167.10
33 14 13 13-0706	EA 14" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	3,613.35	173.33
33 14 13 13-0707	EA 14" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	3,814.74	180.59
33 14 13 13-0708	EA 14" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	3,530.22	192.01
33 14 13 13-0709	EA 16" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	3,285.93	192.01
33 14 13 13-0710	EA 16" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	3,464.22	198.23
33 14 13 13-0711	EA 16" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	4,161.51	205.50
33 14 13 13-0712	EA 16" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	3,900.56	211.73
33 14 13 13-0713	EA 16" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	5,097.69	223.15
33 14 13 13-0714	EA 16" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	4,605.96	239.75
33 14 13 13-0715	EA 18" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	4,315.23	245.98
33 14 13 13-0716	EA 18" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	4,552.34	252.20
33 14 13 13-0717	EA 18" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	4,853.33	258.43
33 14 13 13-0718	EA 18" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	5,131.48	265.70
33 14 13 13-0719	EA 18" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	5,271.83	277.12
33 14 13 13-0720	EA 18" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	5,633.38	292.68
33 14 13 13-0721	EA 18" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	6,289.90	319.67
33 14 13 13-0722	EA 20" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	4,949.71	351.84
33 14 13 13-0723	EA 20" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	5,033.29	359.11
33 14 13 13-0724	EA 20" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	5,536.00	365.34
33 14 13 13-0725	EA 20" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	5,810.58	372.60
33 14 13 13-0726	EA 20" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	5,867.02	384.02
33 14 13 13-0727	EA 20" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	5,789.44	399.59
33 14 13 13-0728	EA 20" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	7,415.29	426.57
33 14 13 13-0729	EA 20" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	6,303.52	479.50
33 14 13 13-0730	EA 24" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	6,003.18	457.70
33 14 13 13-0731	EA 24" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	6,059.98	466.01
33 14 13 13-0732	EA 24" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	6,169.98	471.20
33 14 13 13-0733	EA 24" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	6,333.86	478.47
33 14 13 13-0734	EA 24" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	7,213.25	489.88
33 14 13 13-0735	EA 24" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	7,524.83	505.45
33 14 13 13-0736	EA 24" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	9,275.62	532.44
33 14 13 13-0737	EA 24" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	9,570.54	586.40
33 14 13 13-0738	EA 24" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	8,963.73	639.33
33 14 13 13-0739	EA 30" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	10,551.75	533.48
33 14 13 13-0740	EA 30" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	10,040.90	540.73
33 14 13 13-0741	EA 30" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	10,616.80	546.96
33 14 13 13-0742	EA 30" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	11,194.85	554.23
33 14 13 13-0743	EA 30" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	12,015.33	565.65
33 14 13 13-0744	EA 30" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	12,899.92	752.47
33 14 13 13-0745	EA 30" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	12,837.04	608.20
33 14 13 13-0746	EA 30" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	12,812.42	661.14
33 14 13 13-0747	EA 30" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	13,344.51	714.06
33 14 13 13-0748	EA 30" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	15,947.27	752.47
33 14 13 13-0749	EA 36" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	10,881.97	599.90
33 14 13 13-0750	EA 36" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	12,187.99	606.12
33 14 13 13-0751	EA 36" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	12,892.77	613.39
33 14 13 13-0752	EA 36" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	13,390.15	624.81
33 14 13 13-0753	EA 36" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	13,889.16	640.37
33 14 13 13-0754	EA 36" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	14,850.94	667.36
33 14 13 13-0755	EA 36" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	15,854.54	720.29
33 14 13 13-0756	EA 36" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	17,571.96	773.22
33 14 13 13-0757	EA 36" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	19,856.97	840.68
33 14 13 13-0758	EA 36" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	22,897.16	840.68
33 14 13 13-0759	EA 42" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	26,131.30	646.60
33 14 13 13-0760	EA 42" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	26,657.23	656.98
33 14 13 13-0761	EA 42" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	29,326.94	673.58
33 14 13 13-0762	EA 42" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	33,441.24	700.57
33 14 13 13-0763	EA 42" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	33,521.94	753.51

<b>33</b>	<b>Utilities</b>
<b>33 10</b>	<b>Water Utilities</b>
<b>33 14</b>	<b>Water Utility Transmission and Distribution</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 14 13 13-0764	EA 42" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	27,693.65	806.43
33 14 13 13-0765	EA 42" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	28,184.62	844.83
33 14 13 13-0766	EA 42" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	34,952.14	873.90
33 14 13 13-0767	EA 42" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	36,847.97	890.50
33 14 13 13-0768	EA 48" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	30,484.62	698.50
33 14 13 13-0769	EA 48" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	31,031.98	709.92
33 14 13 13-0770	EA 48" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	31,809.46	726.52
33 14 13 13-0771	EA 48" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	32,598.07	752.47
33 14 13 13-0772	EA 48" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	33,432.12	806.43
33 14 13 13-0773	EA 48" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	33,612.53	859.37
33 14 13 13-0774	EA 48" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	36,095.68	896.73
33 14 13 13-0775	EA 48" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	28,987.47	926.84
33 14 13 13-0776	EA 48" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	36,395.75	943.44
33 14 13 13-0777	EA 48" x 48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	48,547.67	969.39

**33 14 13 13-0778 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Laterals)** (33 14 13 13-0596)

33 14 13 13-0779	EA 3" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	607.47	66.33
33 14 13 13-0780	EA 4" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	669.95	66.33
33 14 13 13-0781	EA 4" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	787.71	69.43
33 14 13 13-0782	EA 6" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	867.02	88.00
33 14 13 13-0783	EA 6" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	968.92	91.46
33 14 13 13-0784	EA 6" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	1,187.17	102.48
33 14 13 13-0785	EA 8" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	1,565.79	105.79
33 14 13 13-0786	EA 8" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	1,439.51	116.80
33 14 13 13-0787	EA 8" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	1,620.13	124.52
33 14 13 13-0788	EA 10" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	2,306.60	113.13
33 14 13 13-0789	EA 10" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	2,400.71	123.51
33 14 13 13-0790	EA 10" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	2,687.79	130.77
33 14 13 13-0791	EA 10" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	2,935.23	137.00
33 14 13 13-0792	EA 12" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	2,818.26	126.62
33 14 13 13-0793	EA 12" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	3,197.99	137.00
33 14 13 13-0794	EA 12" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	3,790.33	144.27
33 14 13 13-0795	EA 12" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	3,791.43	150.50
33 14 13 13-0796	EA 12" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	3,492.97	157.75
33 14 13 13-0797	EA 14" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	4,160.60	159.83
33 14 13 13-0798	EA 14" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	4,788.64	167.10
33 14 13 13-0799	EA 14" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	6,324.95	173.33
33 14 13 13-0800	EA 14" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	6,785.18	180.59
33 14 13 13-0801	EA 14" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	6,605.98	192.01
33 14 13 13-0802	EA 16" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	4,323.19	192.01
33 14 13 13-0803	EA 16" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	4,779.86	198.23
33 14 13 13-0804	EA 16" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	5,684.22	205.50
33 14 13 13-0805	EA 16" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	5,864.19	211.73
33 14 13 13-0806	EA 16" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	7,277.32	223.15
33 14 13 13-0807	EA 16" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	6,873.06	239.75
33 14 13 13-0808	EA 18" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	6,136.05	245.98
33 14 13 13-0809	EA 18" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	6,623.08	252.20
33 14 13 13-0810	EA 18" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	7,093.66	258.43
33 14 13 13-0811	EA 18" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	7,603.87	265.70
33 14 13 13-0812	EA 18" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	7,678.17	277.12
33 14 13 13-0813	EA 18" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	7,761.25	292.68
33 14 13 13-0814	EA 18" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	7,014.66	319.67
33 14 13 13-0815	EA 20" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	7,202.53	351.84
33 14 13 13-0816	EA 20" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	7,361.08	359.11
33 14 13 13-0817	EA 20" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	8,120.85	365.34
33 14 13 13-0818	EA 20" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	8,873.84	372.60
33 14 13 13-0819	EA 20" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	8,953.49	384.02
33 14 13 13-0820	EA 20" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	9,045.50	399.59
33 14 13 13-0821	EA 20" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	10,524.96	426.57
33 14 13 13-0822	EA 20" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	9,877.34	479.50
33 14 13 13-0823	EA 24" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	8,718.34	457.70
33 14 13 13-0824	EA 24" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	8,830.49	464.97
33 14 13 13-0825	EA 24" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	9,890.17	471.20
33 14 13 13-0826	EA 24" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	10,370.01	478.47
33 14 13 13-0827	EA 24" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	12,049.14	489.88
33 14 13 13-0828	EA 24" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	13,435.37	505.45
33 14 13 13-0829	EA 24" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	15,073.69	532.44
33 14 13 13-0830	EA 24" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	16,561.07	586.40
33 14 13 13-0831	EA 24" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	14,547.59	639.33
33 14 13 13-0832	EA 30" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	18,509.82	533.48
33 14 13 13-0833	EA 30" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	20,823.02	540.73
33 14 13 13-0834	EA 30" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	22,062.99	546.96
33 14 13 13-0835	EA 30" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	23,305.11	554.23
33 14 13 13-0836	EA 30" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	25,064.55	565.65
33 14 13 13-0837	EA 30" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	26,954.17	581.22
33 14 13 13-0838	EA 30" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	27,619.61	608.20
33 14 13 13-0839	EA 30" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	28,573.25	661.14
33 14 13 13-0840	EA 30" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	29,912.21	714.06
33 14 13 13-0841	EA 30" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	32,447.13	752.47





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0842 EA 36" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	35,863.70	613.39
33 14 13 13-0843 EA 36" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	37,285.77	624.81
33 14 13 13-0844 EA 36" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	38,696.98	640.37
33 14 13 13-0845 EA 36" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	41,424.23	667.36
33 14 13 13-0846 EA 36" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	44,202.25	720.29
33 14 13 13-0847 EA 36" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	49,063.26	773.22
33 14 13 13-0848 EA 36" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	55,030.97	811.62
33 14 13 13-0849 EA 36" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	65,834.65	840.68
33 14 13 13-0850 EA 42" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	57,913.82	753.51
33 14 13 13-0851 EA 42" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	59,317.06	806.43
33 14 13 13-0852 EA 42" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	63,383.61	844.83
33 14 13 13-0853 EA 42" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	72,598.54	873.90
33 14 13 13-0854 EA 42" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	85,803.10	890.50
33 14 13 13-0855 EA 48" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	57,054.61	806.43
33 14 13 13-0856 EA 48" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	64,686.12	859.37
33 14 13 13-0857 EA 48" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	68,965.09	896.73
33 14 13 13-0858 EA 48" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	78,735.20	926.84
33 14 13 13-0859 EA 48" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	103,284.20	943.44
33 14 13 13-0860 EA 48" x 48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral) .....	113,476.05	969.39
<b>33 14 13 13-0861 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee</b> <small>(33 14 13 13-0596)</small>		
33 14 13 13-0862 EA 6" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee.....	1,083.63	102.48
33 14 13 13-0863 EA 8" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee.....	1,350.25	116.80
33 14 13 13-0864 EA 10" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee.....	1,947.29	123.51
33 14 13 13-0865 EA 12" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee.....	2,242.95	137.00
33 14 13 13-0866 EA 14" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee.....	2,973.49	159.83
33 14 13 13-0867 EA 16" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee.....	3,623.42	192.01
33 14 13 13-0868 EA 18" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee.....	4,270.60	245.98
33 14 13 13-0869 EA 20" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee.....	5,733.37	351.84
33 14 13 13-0870 EA 24" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee.....	6,682.22	457.70
33 14 13 13-0871 EA 30" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee.....	12,227.98	533.48
<b>33 14 13 13-0872 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross</b> <small>(33 14 13 13-0596)</small>		
33 14 13 13-0873 EA 3" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross .....	600.09	79.13
33 14 13 13-0874 EA 4" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross .....	753.48	86.11
33 14 13 13-0875 EA 4" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross .....	948.05	87.06
33 14 13 13-0876 EA 6" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross .....	1,000.75	107.93
33 14 13 13-0877 EA 6" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross .....	1,174.19	116.80
33 14 13 13-0878 EA 6" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross .....	1,291.47	145.46
33 14 13 13-0879 EA 8" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross .....	1,246.09	127.83
33 14 13 13-0880 EA 8" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross .....	1,466.88	156.48
33 14 13 13-0881 EA 8" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross .....	1,447.73	167.50
33 14 13 13-0882 EA 10" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross .....	1,468.12	132.85
33 14 13 13-0883 EA 10" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross .....	1,641.73	159.83
33 14 13 13-0884 EA 10" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross .....	1,957.21	170.21
33 14 13 13-0885 EA 10" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross .....	2,120.84	182.67
33 14 13 13-0886 EA 12 x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross.....	1,895.97	144.27
33 14 13 13-0887 EA 12" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross .....	2,192.75	171.25
33 14 13 13-0888 EA 12" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross .....	2,381.49	181.63
33 14 13 13-0889 EA 12" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross .....	2,784.33	194.08
33 14 13 13-0890 EA 12" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross .....	3,185.41	205.50
33 14 13 13-0891 EA 14" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross .....	3,302.25	187.86
33 14 13 13-0892 EA 14" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross .....	3,924.78	198.23
33 14 13 13-0893 EA 14" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross .....	4,017.01	211.73
33 14 13 13-0894 EA 14" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross .....	4,239.57	222.11
33 14 13 13-0895 EA 14" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross .....	4,701.07	239.75
33 14 13 13-0896 EA 16" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross .....	3,695.59	212.77
33 14 13 13-0897 EA 16" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross .....	4,235.99	222.11
33 14 13 13-0898 EA 16" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross .....	5,120.81	235.60
33 14 13 13-0899 EA 16" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross .....	5,732.54	247.01
33 14 13 13-0900 EA 16" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross .....	6,977.71	263.62
33 14 13 13-0901 EA 16" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross .....	7,278.20	287.49
33 14 13 13-0902 EA 18" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross .....	6,424.83	251.17
33 14 13 13-0903 EA 18" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross .....	6,799.23	261.55
33 14 13 13-0904 EA 18" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross .....	7,118.16	274.00
33 14 13 13-0905 EA 18" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross .....	7,737.01	285.41
33 14 13 13-0906 EA 18" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross .....	9,076.80	302.02



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 14 13 13-0907	EA 18" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	9,653.99	325.89
33 14 13 13-0908	EA 18" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	10,071.51	365.34
33 14 13 13-0909	EA 20" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	8,078.36	315.52
33 14 13 13-0910	EA 20" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	8,456.31	324.85
33 14 13 13-0911	EA 20" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	8,712.77	338.35
33 14 13 13-0912	EA 20" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	9,326.28	349.77
33 14 13 13-0913	EA 20" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	9,473.60	366.37
33 14 13 13-0914	EA 20" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	11,544.94	390.24
33 14 13 13-0915	EA 20" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	11,962.45	428.65
33 14 13 13-0916	EA 20" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	12,898.35	493.00
33 14 13 13-0917	EA 24" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	11,072.16	394.40
33 14 13 13-0918	EA 24" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	11,329.05	404.78
33 14 13 13-0919	EA 24" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	11,765.48	417.23
33 14 13 13-0920	EA 24" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	12,141.58	428.65
33 14 13 13-0921	EA 24" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	12,346.01	445.26
33 14 13 13-0922	EA 24" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	12,803.61	469.12
33 14 13 13-0923	EA 24" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	17,112.68	508.56
33 14 13 13-0924	EA 24" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	17,986.11	571.88
33 14 13 13-0925	EA 24" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	19,783.89	650.75
33 14 13 13-0926	EA 30" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	17,213.44	524.13
33 14 13 13-0927	EA 30" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	17,553.80	536.59
33 14 13 13-0928	EA 30" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	17,888.84	548.00
33 14 13 13-0929	EA 30" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	18,282.49	564.61
33 14 13 13-0930	EA 30" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	18,731.16	589.51
33 14 13 13-0931	EA 30" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	19,246.85	627.92
33 14 13 13-0932	EA 30" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	19,889.99	691.23
33 14 13 13-0933	EA 30" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	25,688.24	771.15
33 14 13 13-0934	EA 30" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	29,534.33	890.50
33 14 13 13-0935	EA 36" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	24,188.66	567.72
33 14 13 13-0936	EA 36" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	24,525.46	580.18
33 14 13 13-0937	EA 36" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	24,815.85	591.59
33 14 13 13-0938	EA 36" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	25,159.53	609.24
33 14 13 13-0939	EA 36" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	25,560.00	633.11
33 14 13 13-0940	EA 36" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	26,027.49	671.51
33 14 13 13-0941	EA 36" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	26,626.01	735.86
33 14 13 13-0942	EA 36" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	27,700.83	814.74
33 14 13 13-0943	EA 36" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	37,477.09	934.09
33 14 13 13-0944	EA 36" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	41,226.60	978.72
33 14 13 13-0945	EA 42" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	32,612.61	617.54
33 14 13 13-0946	EA 42" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	33,290.11	634.14
33 14 13 13-0947	EA 42" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	33,678.08	659.06
33 14 13 13-0948	EA 42" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	34,213.42	697.46
33 14 13 13-0949	EA 42" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	35,181.46	761.80
33 14 13 13-0950	EA 42" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	37,252.35	840.68
33 14 13 13-0951	EA 42" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	45,314.91	960.05
33 14 13 13-0952	EA 42" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	59,439.54	1,003.64
33 14 13 13-0953	EA 42" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	63,739.25	1,029.58
33 14 13 13-0954	EA 48" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	44,212.17	719.25
33 14 13 13-0955	EA 48" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	44,498.74	735.86
33 14 13 13-0956	EA 48" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	44,881.35	759.73
33 14 13 13-0957	EA 48" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	45,288.15	798.13
33 14 13 13-0958	EA 48" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	45,822.42	862.48
33 14 13 13-0959	EA 48" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	46,766.90	941.36
33 14 13 13-0960	EA 48" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	49,429.47	1,060.71
33 14 13 13-0961	EA 48" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	60,765.73	1,105.34
33 14 13 13-0962	EA 48" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	78,427.08	1,131.30
33 14 13 13-0963	EA 48" x 48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	83,496.67	1,231.96

**33 14 13 13-0964 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducers** (33 14 13 13-0964)

33 14 13 13-0965	EA 4" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	431.19	43.05
33 14 13 13-0966	EA 6" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	604.80	53.96
33 14 13 13-0967	EA 6" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	665.44	57.30
33 14 13 13-0968	EA 8" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	876.49	65.02
33 14 13 13-0969	EA 8" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	908.99	76.03
33 14 13 13-0970	EA 10" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,075.30	67.46
33 14 13 13-0971	EA 10" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,122.99	77.84
33 14 13 13-0972	EA 10" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,167.29	85.11
33 14 13 13-0973	EA 12" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,244.55	74.72
33 14 13 13-0974	EA 12" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,376.14	85.11



<b>Utilities</b>	<b>33</b>	<b>CS</b>
<b>Water Utilities</b>	<b>33 10</b>	
<b>Water Utility Transmission and Distribution</b>	<b>33 14</b>	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0975	EA	12" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,397.24	91.34
33 14 13 13-0976	EA	12" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,459.04	98.60
33 14 13 13-0977	EA	14" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	2,164.49	96.53
33 14 13 13-0978	EA	14" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	2,174.88	102.75
33 14 13 13-0979	EA	14" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,886.80	110.01
33 14 13 13-0980	EA	14" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,923.95	116.24
33 14 13 13-0981	EA	16" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	2,595.66	112.09
33 14 13 13-0982	EA	16" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	2,515.01	119.35
33 14 13 13-0983	EA	16" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	2,357.24	125.58
33 14 13 13-0984	EA	16" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	2,326.56	131.81
33 14 13 13-0985	EA	16" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	2,632.93	143.23
33 14 13 13-0986	EA	18" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	2,814.50	145.31
33 14 13 13-0987	EA	18" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	3,177.98	152.56
33 14 13 13-0988	EA	18" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	3,031.27	158.79
33 14 13 13-0989	EA	18" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	3,630.40	170.21
33 14 13 13-0990	EA	18" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	3,167.22	186.82
33 14 13 13-0991	EA	20" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	3,746.72	199.27
33 14 13 13-0992	EA	20" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	3,774.59	205.50
33 14 13 13-0993	EA	20" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	3,420.81	212.77
33 14 13 13-0994	EA	20" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	3,414.77	224.18
33 14 13 13-0995	EA	20" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	3,324.69	239.75
33 14 13 13-0996	EA	20" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	3,938.37	266.74
33 14 13 13-0997	EA	24" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	4,715.14	265.70
33 14 13 13-0998	EA	24" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	4,782.30	277.12
33 14 13 13-0999	EA	24" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	4,863.60	292.68
33 14 13 13-1000	EA	24" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	4,779.28	319.67
33 14 13 13-1001	EA	24" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	5,511.56	372.60
33 14 13 13-1002	EA	30" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	8,651.67	330.04
33 14 13 13-1003	EA	30" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	9,015.42	357.03
33 14 13 13-1004	EA	30" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	8,664.14	411.00
33 14 13 13-1005	EA	30" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	7,305.78	463.93
33 14 13 13-1006	EA	36" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	11,409.78	440.06
33 14 13 13-1007	EA	36" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	10,578.05	493.00
33 14 13 13-1008	EA	36" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	11,292.15	531.40
33 14 13 13-1009	EA	42" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	16,970.50	376.75
33 14 13 13-1010	EA	42" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	16,861.20	403.74
33 14 13 13-1011	EA	42" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	16,886.57	456.66
33 14 13 13-1012	EA	42" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	17,536.47	509.60
33 14 13 13-1013	EA	42" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	14,287.61	548.00
33 14 13 13-1014	EA	42" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	14,950.03	577.07
33 14 13 13-1015	EA	48" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	21,410.69	402.70
33 14 13 13-1016	EA	48" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	20,705.17	429.68



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1017	EA	48" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	19,639.82	482.62
33 14 13 13-1018	EA	48" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	20,200.48	536.59
33 14 13 13-1019	EA	48" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	24,229.55	573.95
33 14 13 13-1020	EA	48" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	20,918.28	603.01
33 14 13 13-1021	EA	48" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	23,021.18	619.62
<b>33 14 13 13-1022</b>		<b>Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps <small>(33 14 13 13-0596)</small></b>		
33 14 13 13-1023	EA	3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps .....	382.31	90.91
33 14 13 13-1024	EA	4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps .....	461.53	106.89
33 14 13 13-1025	EA	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps .....	680.44	133.34
33 14 13 13-1026	EA	8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps .....	918.16	152.07
33 14 13 13-1027	EA	10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps .....	1,211.74	228.34
33 14 13 13-1028	EA	12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps .....	1,537.74	249.09
33 14 13 13-1029	EA	14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps .....	1,750.42	274.00
33 14 13 13-1030	EA	16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps .....	2,137.51	304.10
33 14 13 13-1031	EA	18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps .....	2,507.56	342.50
33 14 13 13-1032	EA	20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps .....	3,029.77	391.28
33 14 13 13-1033	EA	24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps .....	3,896.21	456.66
33 14 13 13-1034	EA	30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps .....	7,140.71	548.00
33 14 13 13-1035	EA	36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps .....	11,759.31	685.00
33 14 13 13-1036	EA	42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps .....	16,990.22	822.00
33 14 13 13-1037	EA	48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps .....	20,247.21	913.34
<b>33 14 13 13-1038</b>		<b>Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug <small>(33 14 13 13-0596)</small></b>		
33 14 13 13-1039	EA	3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	384.10	90.91
33 14 13 13-1040	EA	4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	479.38	106.89
33 14 13 13-1041	EA	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	726.86	133.34
33 14 13 13-1042	EA	8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	964.57	152.07
33 14 13 13-1043	EA	10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	1,477.73	228.34
33 14 13 13-1044	EA	12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	1,598.43	249.09
33 14 13 13-1045	EA	14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	2,137.79	274.00
33 14 13 13-1046	EA	16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	2,585.57	304.10
33 14 13 13-1047	EA	18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	3,080.59	342.50
33 14 13 13-1048	EA	20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	3,804.51	391.28
33 14 13 13-1049	EA	24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	4,999.41	456.66
33 14 13 13-1050	EA	30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	8,665.20	548.00
33 14 13 13-1051	EA	36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	12,707.21	685.00
33 14 13 13-1052	EA	42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	17,109.82	822.00
33 14 13 13-1053	EA	48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	22,783.87	913.34
<b>33 14 13 13-1054</b>		<b>Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters <small>(33 14 13 13-0596)</small></b>		
33 14 13 13-1055	EA	3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	518.20	138.18
33 14 13 13-1056	EA	4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	690.50	159.78
33 14 13 13-1057	EA	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	954.60	200.56
33 14 13 13-1058	EA	8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	1,262.10	228.11
33 14 13 13-1059	EA	10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	1,854.21	342.50
33 14 13 13-1060	EA	12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	2,222.71	373.63
33 14 13 13-1061	EA	14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	2,925.53	411.00
33 14 13 13-1062	EA	16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	3,323.19	456.66
33 14 13 13-1063	EA	18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	4,380.78	513.75
33 14 13 13-1064	EA	20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	5,082.87	587.44
33 14 13 13-1065	EA	24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	6,159.39	685.00
33 14 13 13-1066	EA	30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	9,751.56	822.00
33 14 13 13-1067	EA	36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	13,286.85	1,027.50
33 14 13 13-1068	EA	42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	18,132.71	1,173.85



<b>Utilities</b>	<b>33</b>	<b>CS</b>
<b>Water Utilities</b>	<b>33 10</b>	
<b>Water Utility Transmission and Distribution</b>	<b>33 14</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1069 EA 48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters.....	22,558.24	1,370.00
<b>33 14 13 13-1070 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves (33 14 13 13-0596)</b>		
33 14 13 13-1071 EA 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves .....	539.62	138.18
33 14 13 13-1072 EA 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves .....	663.72	159.78
33 14 13 13-1073 EA 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves .....	984.95	200.56
33 14 13 13-1074 EA 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves .....	1,344.21	228.11
33 14 13 13-1075 EA 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves .....	1,739.96	342.50
33 14 13 13-1076 EA 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves .....	2,115.60	373.63
33 14 13 13-1077 EA 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves .....	2,697.04	411.00
33 14 13 13-1078 EA 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves .....	3,201.80	456.66
33 14 13 13-1079 EA 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves .....	3,830.97	513.75
33 14 13 13-1080 EA 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves .....	4,463.43	587.44
33 14 13 13-1081 EA 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves .....	5,591.72	685.00
33 14 13 13-1082 EA 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves .....	9,457.01	822.00
33 14 13 13-1083 EA 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves .....	12,303.25	1,027.50
33 14 13 13-1084 EA 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves .....	16,056.37	1,172.81
33 14 13 13-1085 EA 48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves .....	23,941.70	1,370.00
<b>33 14 13 13-1086 Push-On Joint Ductile Iron Piping And Gaskets (33 14 13 13-0001)</b>		
<b>33 14 13 13-1087 Push-On Joint Ductile Iron Pipe (33 14 13 13-1086)</b> Note: Conforming to ANSI/AWWA C151/A21.51, federal specification WW-P-421D.		
33 14 13 13-1088 LF 4", Class 50, Push-On Joint Ductile Iron Pipe.....	33.82	9.09
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	14.04	
For Cement Mortar Lining (CML), Add	2.01	
Note: ANSI/AWWA C104/A21.4		
For 40 Mil Ceramic Epoxy Lining (P401), Add	10.83	
For Fusion Bonded Epoxy Lining (206N), Add	3.61	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	1.50	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-1.69	
For Class 51, Add	2.90	
For Class 52, Add	6.26	
For Class 53, Add	11.26	
For Class 54, Add	16.05	
For Class 55, Add	18.47	
For Class 56, Add	20.85	
33 14 13 13-1089 LF 6", Class 50, Push-On Joint Ductile Iron Pipe.....	37.10	10.02
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	15.40	
For Cement Mortar Lining (CML), Add	2.20	
Note: ANSI/AWWA C104/A21.4		
For 40 Mil Ceramic Epoxy Lining (P401), Add	11.88	
For Fusion Bonded Epoxy Lining (206N), Add	3.96	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	1.65	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-1.86	
For Class 51, Add	3.19	
For Class 52, Add	6.87	
For Class 53, Add	12.36	
For Class 54, Add	17.62	
For Class 55, Add	20.27	
For Class 56, Add	22.88	
33 14 13 13-1090 LF 8", Class 50, Push-On Joint Ductile Iron Pipe.....	46.61	11.02
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	21.06	
For Cement Mortar Lining (CML), Add	3.01	
Note: ANSI/AWWA C104/A21.4		
For 40 Mil Ceramic Epoxy Lining (P401), Add	16.24	
For Fusion Bonded Epoxy Lining (206N), Add	5.41	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	2.26	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-2.33	
For Class 51, Add	4.31	
For Class 52, Add	9.29	
For Class 53, Add	16.74	
For Class 54, Add	23.88	
For Class 55, Add	27.46	
For Class 56, Add	30.97	

**33 Utilities**  
**33 10 Water Utilities**  
**33 14 Water Utility Transmission and Distribution**



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1091	LF	10", Class 50, Push-On Joint Ductile Iron Pipe.....	65.77	15.47
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	25.45	
		For Cement Mortar Lining (CML), Add	4.24	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	21.21	
		For Fusion Bonded Epoxy Lining (206N), Add	7.64	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	3.18	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	-3.29	
		For Class 51, Add	6.07	
		For Class 52, Add	13.10	
		For Class 53, Add	23.61	
		For Class 54, Add	33.68	
		For Class 55, Add	38.73	
		For Class 56, Add	43.68	
33 14 13 13-1092	LF	12", Class 50, Push-On Joint Ductile Iron Pipe.....	76.52	17.12
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	25.29	
		For Cement Mortar Lining (CML), Add	5.06	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	20.23	
		For Fusion Bonded Epoxy Lining (206N), Add	9.10	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	3.79	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	-3.83	
		For Class 51, Add	7.22	
		For Class 52, Add	15.57	
		For Class 53, Add	28.08	
		For Class 54, Add	40.06	
		For Class 55, Add	46.06	
		For Class 56, Add	51.94	
33 14 13 13-1093	LF	14", Class 50, Push-On Joint Ductile Iron Pipe.....	93.63	19.30
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	28.37	
		For Cement Mortar Lining (CML), Add	6.45	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	21.92	
		For Fusion Bonded Epoxy Lining (206N), Add	11.60	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	4.84	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	-4.68	
		For Class 51, Add	9.15	
		For Class 52, Add	19.75	
		For Class 53, Add	35.64	
		For Class 54, Add	50.87	
		For Class 55, Add	58.46	
		For Class 56, Add	65.92	
33 14 13 13-1094	LF	16", Class 50, Push-On Joint Ductile Iron Pipe.....	111.15	22.01
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	31.91	
		For Cement Mortar Lining (CML), Add	7.78	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	24.13	
		For Fusion Bonded Epoxy Lining (206N), Add	14.01	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	5.84	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	-5.56	
		For Class 51, Add	11.03	
		For Class 52, Add	23.80	
		For Class 53, Add	42.96	
		For Class 54, Add	61.32	
		For Class 55, Add	70.46	
		For Class 56, Add	79.44	
33 14 13 13-1095	LF	18", Class 50, Push-On Joint Ductile Iron Pipe.....	129.32	25.74
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	37.06	
		For Cement Mortar Lining (CML), Add	9.04	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	28.02	
		For Fusion Bonded Epoxy Lining (206N), Add	16.27	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	6.78	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	-6.47	
		For Class 51, Add	12.81	
		For Class 52, Add	27.65	
		For Class 53, Add	49.90	
		For Class 54, Add	71.23	
		For Class 55, Add	81.85	
		For Class 56, Add	92.28	



<b>Utilities</b>	<b>33</b>	<b>CS</b>
<b>Water Utilities</b>	<b>33 10</b>	
<b>Water Utility Transmission and Distribution</b>	<b>33 14</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1096 LF 20", Class 50, Push-On Joint Ductile Iron Pipe.....	148.97	30.83
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	38.86	
For Cement Mortar Lining (CML), Add	10.23	
Note: ANSI/AWWA C104/A21.4		
For 40 Mil Ceramic Epoxy Lining (P401), Add	28.63	
For Fusion Bonded Epoxy Lining (206N), Add	18.41	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	7.67	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-7.45	
For Class 51, Add	14.52	
For Class 52, Add	31.34	
For Class 53, Add	56.55	
For Class 54, Add	80.71	
For Class 55, Add	92.75	
For Class 56, Add	104.59	
33 14 13 13-1097 LF 24", Class 50, Push-On Joint Ductile Iron Pipe.....	188.54	38.50
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	40.33	
For Cement Mortar Lining (CML), Add	13.01	
Note: ANSI/AWWA C104/A21.4		
For 40 Mil Ceramic Epoxy Lining (P401), Add	27.32	
For Fusion Bonded Epoxy Lining (206N), Add	23.42	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	9.76	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-9.43	
For Class 51, Add	18.46	
For Class 52, Add	39.86	
For Class 53, Add	71.92	
For Class 54, Add	102.64	
For Class 55, Add	117.95	
For Class 56, Add	133.00	
33 14 13 13-1098 LF 30", Class 50, Push-On Joint Ductile Iron Pipe.....	224.22	41.10
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	50.20	
For Cement Mortar Lining (CML), Add	16.19	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	29.15	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	12.15	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-11.21	
For Class 51, Add	22.85	
For Class 52, Add	49.35	
For Class 53, Add	89.12	
For Class 54, Add	127.22	
For Class 55, Add	146.16	
For Class 56, Add	164.75	
33 14 13 13-1099 LF 36", Class 50, Push-On Joint Ductile Iron Pipe.....	279.40	43.69
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	66.09	
For Cement Mortar Lining (CML), Add	21.32	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	38.37	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	15.99	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-13.97	
For Class 51, Add	29.89	
For Class 52, Add	64.57	
For Class 53, Add	116.73	
For Class 54, Add	166.70	
For Class 55, Add	191.43	
For Class 56, Add	215.70	
33 14 13 13-1100 LF 42", Class 50, Push-On Joint Ductile Iron Pipe.....	341.91	46.29
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	84.27	
For Cement Mortar Lining (CML), Add	27.19	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	48.93	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	20.39	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-17.10	
For Class 51, Add	37.93	
For Class 52, Add	81.97	
For Class 53, Add	148.31	
For Class 54, Add	211.85	
For Class 55, Add	243.20	
For Class 56, Add	273.98	

**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1101 LF 48", Class 50, Push-On Joint Ductile Iron Pipe.....	412.91	48.78
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	105.06	
For Cement Mortar Lining (CML), Add	33.89	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	61.00	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	25.42	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-20.65	
For Class 51, Add	47.12	
For Class 52, Add	101.86	
For Class 53, Add	184.39	
For Class 54, Add	263.43	
For Class 55, Add	302.35	
For Class 56, Add	340.55	
33 14 13 13-1102 LF 54", Class 50, Push-On Joint Ductile Iron Pipe.....	525.50	51.37
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	138.77	
For Cement Mortar Lining (CML), Add	44.77	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	80.58	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	33.57	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-26.28	
For Class 51, Add	61.99	
For Class 52, Add	134.05	
For Class 53, Add	242.82	
For Class 54, Add	346.98	
For Class 55, Add	398.13	
For Class 56, Add	448.35	
<b>33 14 13 13-1103 Push-On Joint Ductile Iron 90 Degree Elbow (33 14 13 13-1086)</b>		
33 14 13 13-1104 EA 4" 90 Degree Elbow, Push-On Joint Ductile Iron .....	162.60	35.48
For Cement Mortar Lining (CML), Add	10.88	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	19.59	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	8.16	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1105 EA 6" 90 Degree Elbow, Push-On Joint Ductile Iron .....	236.21	52.34
For Cement Mortar Lining (CML), Add	15.69	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	28.23	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	11.76	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1106 EA 8" 90 Degree Elbow, Push-On Joint Ductile Iron .....	311.80	62.15
For Cement Mortar Lining (CML), Add	21.76	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	39.17	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	16.32	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1107 EA 10" 90 Degree Elbow, Push-On Joint Ductile Iron .....	470.19	68.29
For Cement Mortar Lining (CML), Add	32.89	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	59.21	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	24.67	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1108 EA 12" 90 Degree Elbow, Push-On Joint Ductile Iron .....	600.79	80.12
For Cement Mortar Lining (CML), Add	43.52	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	78.34	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	32.64	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1109 EA 14" 90 Degree Elbow, Push-On Joint Ductile Iron .....	1,140.28	89.89
For Cement Mortar Lining (CML), Add	95.45	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	171.80	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	71.58	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1110 EA 16" 90 Degree Elbow, Push-On Joint Ductile Iron .....	1,289.81	102.75
For Cement Mortar Lining (CML), Add	107.75	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	193.95	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	80.81	
Note: ANSI/AWWA C151/A21.51		





	<b>Utilities</b>	<b>33</b>	
	<b>Water Utilities</b>	<b>33 10</b>	<b>33</b>
	<b>Water Utility Transmission and Distribution</b>	<b>33 14</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1111 EA 18" 90 Degree Elbow, Push-On Joint Ductile Iron ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,997.63 170.04 306.08 127.53	143.85
33 14 13 13-1112 EA 20" 90 Degree Elbow, Push-On Joint Ductile Iron ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,256.70 189.41 340.94 142.06	181.31
33 14 13 13-1113 EA 24" 90 Degree Elbow, Push-On Joint Ductile Iron ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,817.99 236.48 425.66 177.36	226.67
<b>33 14 13 13-1114 Push-On Joint Ductile Iron 45 Degree Elbow (33 14 13 13-1086)</b>		
33 14 13 13-1115 EA 4" 45 Degree Elbow, Push-On Joint Ductile Iron ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	137.85 8.41 15.13 6.31	35.48
33 14 13 13-1116 EA 6" 45 Degree Elbow, Push-On Joint Ductile Iron ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	202.94 12.36 22.25 9.27	52.34
33 14 13 13-1117 EA 8" 45 Degree Elbow, Push-On Joint Ductile Iron ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	276.00 18.18 32.72 13.63	62.15
33 14 13 13-1118 EA 10" 45 Degree Elbow, Push-On Joint Ductile Iron ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	420.77 27.95 50.31 20.96	68.29
33 14 13 13-1119 EA 12" 45 Degree Elbow, Push-On Joint Ductile Iron ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	537.81 37.22 67.00 27.92	80.12
33 14 13 13-1120 EA 14" 45 Degree Elbow, Push-On Joint Ductile Iron ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	747.02 56.12 101.01 42.09	89.89
33 14 13 13-1121 EA 16" 45 Degree Elbow, Push-On Joint Ductile Iron ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,083.90 87.16 156.89 65.37	102.75
33 14 13 13-1122 EA 18" 45 Degree Elbow, Push-On Joint Ductile Iron ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,265.09 96.79 174.22 72.59	143.85
33 14 13 13-1123 EA 20" 45 Degree Elbow, Push-On Joint Ductile Iron ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,755.16 139.26 250.66 104.44	181.31

**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1124 EA 24" 45 Degree Elbow, Push-On Joint Ductile Iron .....	2,179.20	226.67
For Cement Mortar Lining (CML), Add	172.60	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	310.67	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	129.45	
Note: ANSI/AWWA C151/A21.51		
<b>33 14 13 13-1125 Push-On Joint Ductile Iron Tee (33 14 13 13-1086)</b>		
33 14 13 13-1126 EA 4" Tee, Push-On Joint Ductile Iron.....	247.61	52.34
For Cement Mortar Lining (CML), Add	16.83	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	30.29	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	12.62	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1127 EA 6" Tee, Push-On Joint Ductile Iron.....	346.83	76.92
For Cement Mortar Lining (CML), Add	23.02	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	41.44	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	17.27	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1128 EA 8" Tee, Push-On Joint Ductile Iron.....	467.79	93.22
For Cement Mortar Lining (CML), Add	32.64	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	58.75	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	24.48	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1129 EA 10" Tee, Push-On Joint Ductile Iron.....	669.30	103.79
For Cement Mortar Lining (CML), Add	51.36	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	92.45	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	38.52	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1130 EA 12" Tee, Push-On Joint Ductile Iron.....	829.35	119.67
For Cement Mortar Lining (CML), Add	64.77	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	116.59	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	48.58	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1131 EA 14" Tee, Push-On Joint Ductile Iron.....	1,310.55	143.85
For Cement Mortar Lining (CML), Add	109.26	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	196.67	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	81.94	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1132 EA 16" Tee, Push-On Joint Ductile Iron.....	1,879.93	179.86
For Cement Mortar Lining (CML), Add	160.75	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	289.35	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	120.56	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1133 EA 18" Tee, Push-On Joint Ductile Iron.....	2,370.01	239.96
For Cement Mortar Lining (CML), Add	200.64	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	361.16	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	150.48	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1134 EA 20" Tee, Push-On Joint Ductile Iron.....	2,797.96	292.78
For Cement Mortar Lining (CML), Add	235.44	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	423.79	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	176.58	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1135 EA 24" Tee, Push-On Joint Ductile Iron.....	3,655.69	365.96
For Cement Mortar Lining (CML), Add	310.13	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	558.23	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	232.59	
Note: ANSI/AWWA C151/A21.51		

33 14 13 13-1136 Flanged End x Push-On Joint Ductile Iron Adapters (33 14 13 13-1086)



<b>Utilities</b>	<b>33</b>	<b>CS</b>
<b>Water Utilities</b>	<b>33 10</b>	
<b>Water Utility Transmission and Distribution</b>	<b>33 14</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1137 EA 4" Flanged End x Push-On Joint Adapter, Ductile Iron ..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	415.06 22.86 41.14 17.14	123.09
33 14 13 13-1138 EA 6" Flanged End x Push-On Joint Adapter, Ductile Iron ..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	507.95 27.71 49.87 20.78	152.40
33 14 13 13-1139 EA 8" Flanged End x Push-On Joint Adapter, Ductile Iron ..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	667.64 39.83 71.69 29.87	177.75
33 14 13 13-1140 EA 10" Flanged End x Push-On Joint Adapter, Ductile Iron ..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	908.70 51.95 93.51 38.96	256.88
33 14 13 13-1141 EA 12" Flanged End x Push-On Joint Adapter, Ductile Iron ..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,102.83 65.80 118.44 49.35	293.62
33 14 13 13-1142 EA 14" Flanged End x Push-On Joint Adapter, Ductile Iron ..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,275.58 79.66 143.38 59.74	316.14
33 14 13 13-1143 EA 16" Flanged End x Push-On Joint Adapter, Ductile Iron ..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,523.29 100.44 180.78 75.33	342.50
33 14 13 13-1144 EA 18" Flanged End x Push-On Joint Adapter, Ductile Iron ..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,800.24 117.75 211.95 88.31	411.00
33 14 13 13-1145 EA 20" Flanged End x Push-On Joint Adapter, Ductile Iron ..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,094.55 140.26 252.47 105.20	456.66
33 14 13 13-1146 EA 24" Flanged End x Push-On Joint Adapter, Ductile Iron ..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,633.91 183.55 330.40 137.67	526.93
33 14 13 13-1147 EA 30" Flanged End x Push-On Joint Adapter, Ductile Iron ..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	4,252.32 329.43 592.97 247.07	632.28
33 14 13 13-1148 EA 36" Flanged End x Push-On Joint Adapter, Ductile Iron ..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	5,897.92 470.04 846.06 352.53	790.35

**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1149 EA 42" Flanged End x Push-On Joint Adapter, Ductile Iron .....	7,470.22	913.34
For Cement Mortar Lining (CML), Add	608.64	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	1,095.55	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	456.48	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1150 EA 48" Flanged End x Push-On Joint Adapter, Ductile Iron .....	9,532.82	1,174.26
For Cement Mortar Lining (CML), Add	775.36	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	1,395.65	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	581.52	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1151 EA 54" Flanged End x Push-On Joint Adapter, Ductile Iron .....	11,592.04	1,370.32
For Cement Mortar Lining (CML), Add	951.57	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	1,712.83	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	713.68	
Note: ANSI/AWWA C151/A21.51		
<b>33 14 13 13-1152 Push-On Joint Ductile Iron Pipe And Fitting Restraints</b> (33 14 13 13-1086)		
Note: Includes ductile iron follower gland, restraint ring and all nuts and bolts. Excludes pipe and fitting.		
33 14 13 13-1153 EA 4" Pipe And Fitting Restraint, Push-On Joint Ductile Iron .....	36.68	19.16
33 14 13 13-1154 EA 6" Pipe And Fitting Restraint, Push-On Joint Ductile Iron .....	49.08	25.01
33 14 13 13-1155 EA 8" Pipe And Fitting Restraint, Push-On Joint Ductile Iron .....	64.06	25.40
33 14 13 13-1156 EA 10" Pipe And Fitting Restraint, Push-On Joint Ductile Iron .....	73.89	26.97
33 14 13 13-1157 EA 12" Pipe And Fitting Restraint, Push-On Joint Ductile Iron .....	86.60	29.97
33 14 13 13-1158 EA 14" Pipe And Fitting Restraint, Push-On Joint Ductile Iron .....	106.80	33.71
33 14 13 13-1159 EA 16" Pipe And Fitting Restraint, Push-On Joint Ductile Iron .....	125.24	38.52
33 14 13 13-1160 EA 18" Pipe And Fitting Restraint, Push-On Joint Ductile Iron .....	140.14	41.74
33 14 13 13-1161 EA 20" Pipe And Fitting Restraint, Push-On Joint Ductile Iron .....	164.27	50.09
33 14 13 13-1162 EA 24" Pipe And Fitting Restraint, Push-On Joint Ductile Iron .....	192.45	52.02
33 14 13 13-1163 EA 30" Pipe And Fitting Restraint, Push-On Joint Ductile Iron .....	241.47	57.80
33 14 13 13-1164 EA 36" Pipe And Fitting Restraint, Push-On Joint Ductile Iron .....	307.41	62.60
33 14 13 13-1165 EA 42" Pipe And Fitting Restraint, Push-On Joint Ductile Iron .....	374.31	68.50
33 14 13 13-1166 EA 48" Pipe And Fitting Restraint, Push-On Joint Ductile Iron .....	439.40	77.06
33 14 13 13-1167 EA 54" Pipe And Fitting Restraint, Push-On Joint Ductile Iron .....	593.49	83.57
<b>33 14 13 13-1168 Push-On Joint Ductile Iron Bell Restraint Harness (MEGALUG® 1700 Series)</b> (33 14 13 13-1086)		
33 14 13 13-1169 EA 4" Bell Restraint Harness, Ductile Iron (MEGALUG® 170400).....	231.50	70.06
33 14 13 13-1170 EA 6" Bell Restraint Harness, Ductile Iron (MEGALUG® 170600).....	306.36	85.52
33 14 13 13-1171 EA 8" Bell Restraint Harness, Ductile Iron (MEGALUG® 170800).....	395.17	104.31
33 14 13 13-1172 EA 10" Bell Restraint Harness, Ductile Iron (MEGALUG® 171000).....	599.12	127.25
33 14 13 13-1173 EA 12" Bell Restraint Harness, Ductile Iron (MEGALUG® 171200).....	743.42	155.16
33 14 13 13-1174 EA 14" Bell Restraint Harness, Ductile Iron (MEGALUG® 171400).....	1,291.11	189.31
33 14 13 13-1175 EA 16" Bell Restraint Harness, Ductile Iron (MEGALUG® 171600).....	1,472.17	231.03
33 14 13 13-1176 EA 18" Bell Restraint Harness, Ductile Iron (MEGALUG® 171800).....	1,668.82	281.79
33 14 13 13-1177 EA 20" Bell Restraint Harness, Ductile Iron (MEGALUG® 172000).....	2,273.35	343.85
33 14 13 13-1178 EA 24" Bell Restraint Harness, Ductile Iron (MEGALUG® 172400).....	2,901.82	419.41
33 14 13 13-1179 EA 30" Bell Restraint Harness, Ductile Iron (MEGALUG® 173000).....	5,034.37	511.78
33 14 13 13-1180 EA 36" Bell Restraint Harness, Ductile Iron (MEGALUG® 173600).....	7,155.46	624.29
33 14 13 13-1181 EA 42" Bell Restraint Harness, Ductile Iron (MEGALUG® 174200).....	13,043.49	761.70
33 14 13 13-1182 EA 48" Bell Restraint Harness, Ductile Iron (MEGALUG® 174800).....	16,881.08	929.22
<b>33 14 13 13-1183 Ductile Iron Pipe Repair</b> (33 14 13 13-0001)		
See CSI section 33 14 13 13-0002 for mechanical joint fittings.		
<b>33 14 13 13-1184 Ductile Iron Pipe Repair</b> (33 14 13 13-1183)		
Note: Includes two transition sleeves, mechanical joint ductile iron sleeve and 16' of ductile iron pipe.		
33 14 13 13-1185 EA 30" Diameter Mechanical Ductile Iron Push Joint .....	2,584.69	
33 14 13 13-1186 EA 36" Diameter Mechanical Ductile Iron Push Joint .....	3,253.92	
33 14 13 13-1187 EA 42" Diameter Mechanical Ductile Iron Push Joint .....	4,053.18	
33 14 13 13-1188 EA 48" Diameter Mechanical Ductile Iron Push Joint .....	5,070.00	
33 14 13 13-1189 EA 54" Diameter Mechanical Ductile Iron Push Joint .....	7,270.27	
<b>33 14 13 13-1190 WEKO Seals</b> (33 14 13 13-1183)		
Note: Internal joint seal.		
33 14 13 13-1191 EA 16" WEKO Internal Joint Seal .....	1,352.04	197.79
For Extra Wide Seals, Add	84.99	
33 14 13 13-1192 EA 18" WEKO Internal Joint Seal .....	1,439.54	208.85
For Extra Wide Seals, Add	85.83	
33 14 13 13-1193 EA 20" WEKO Internal Joint Seal .....	1,526.86	219.92
For Extra Wide Seals, Add	86.66	
33 14 13 13-1194 EA 24" WEKO Internal Joint Seal .....	1,619.84	237.51
For Extra Wide Seals, Add	87.99	



<b>Utilities</b>	<b>33</b>	<b>CS</b>
<b>Water Utilities</b>	<b>33 10</b>	
<b>Water Utility Transmission and Distribution</b>	<b>33 14</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1195 EA 30" WEKO Internal Joint Seal..... <i>For Extra Wide Seals, Add</i>	1,676.96 89.33	255.10
33 14 13 13-1196 EA 36" WEKO Internal Joint Seal..... <i>For Extra Wide Seals, Add</i>	1,764.03 90.99	277.10
33 14 13 13-1197 EA 42" WEKO Internal Joint Seal..... <i>For Extra Wide Seals, Add</i>	1,884.67 92.99	303.49
33 14 13 13-1198 EA 48" WEKO Internal Joint Seal..... <i>For Extra Wide Seals, Add</i>	2,034.49 94.66	325.47
33 14 13 13-1199 EA 54" WEKO Internal Joint Seal..... <i>For Extra Wide Seals, Add</i>	2,113.13 95.99	343.06
33 14 13 13-1200 EA 60" WEKO Internal Joint Seal..... <i>For Extra Wide Seals, Add</i>	2,208.68 97.99	369.45
<b>33 14 13 23 Plastic Public Water Utility Distribution Piping (33 14 13)</b>		
33 14 13 23-0001 Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Piping (33 14 13 23)		
33 14 13 23-0002 Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe (33 14 13 23-0001)		
33 14 13 23-0003 LF 3/4" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe ..... <i>For &gt;1,000, Deduct</i> <i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	2.53 -0.13 0.08	0.79
33 14 13 23-0004 LF 1" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe ..... <i>For &gt;1,000, Deduct</i> <i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	2.86 -0.14 0.11	0.84
33 14 13 23-0005 LF 1-1/4" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe ..... <i>For &gt;1,000, Deduct</i> <i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	3.50 -0.18 0.18	0.92
33 14 13 23-0006 LF 1-1/2" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe ..... <i>For &gt;1,000, Deduct</i> <i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	4.18 -0.21 0.24	1.02
33 14 13 23-0007 LF 2" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe ..... <i>For &gt;1,000, Deduct</i> <i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	5.87 -0.29 0.45	1.14
33 14 13 23-0008 LF 2-1/2" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe ..... <i>For &gt;1,000, Deduct</i> <i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	8.03 -0.40 0.72	1.30
33 14 13 23-0009 LF 3" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe ..... <i>For &gt;1,000, Deduct</i> <i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	10.17 -0.51 0.98	1.45
33 14 13 23-0010 LF 4" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe ..... <i>For &gt;1,000, Deduct</i> <i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	15.15 -0.76 1.60	1.79
33 14 13 23-0011 LF 6" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe ..... <i>For &gt;1,000, Deduct</i> <i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	28.95 -1.45 3.49	2.27
33 14 13 23-0012 LF 8" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe ..... <i>For &gt;1,000, Deduct</i> <i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	47.32 -2.37 5.91	3.16
33 14 13 23-0013 LF 10" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe ..... <i>For &gt;1,000, Deduct</i> <i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	71.86 -3.59 9.20	4.23
33 14 13 23-0014 LF 12" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe ..... <i>For &gt;1,000, Deduct</i> <i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	100.57 -5.03 12.95	5.68
33 14 13 23-0015 90 Degree Elbows, Class 200, SDR 21 Polyvinyl Chloride (PVC) (33 14 13 23-0001)		
33 14 13 23-0016 EA 3/4", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow .....	24.22	9.43
33 14 13 23-0017 EA 1", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow .....	30.87	11.79
33 14 13 23-0018 EA 1-1/4", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow .....	39.21	14.73
33 14 13 23-0019 EA 1-1/2", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow .....	74.59	16.30
33 14 13 23-0020 EA 2", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow .....	79.30	18.27
33 14 13 23-0021 EA 2-1/2", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow .....	96.07	20.72
33 14 13 23-0022 EA 3", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow .....	107.95	23.30
33 14 13 23-0023 EA 4", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow .....	159.52	28.61
33 14 13 23-0024 EA 6", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow .....	242.57	36.35
33 14 13 23-0025 EA 8", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow .....	422.52	47.71
33 14 13 23-0026 EA 10", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow .....	505.92	63.83
33 14 13 23-0027 EA 12", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow .....	664.73	85.92
33 14 13 23-0028 45 Degree Elbows, Class 200, SDR 21 Polyvinyl Chloride (PVC) (33 14 13 23-0001)		
33 14 13 23-0029 EA 3/4" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC) .....	25.13	9.43
33 14 13 23-0030 EA 1" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC) .....	31.52	11.79
33 14 13 23-0031 EA 1-1/4" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC) .....	39.60	14.73
33 14 13 23-0032 EA 1-1/2" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC) .....	62.68	16.30
33 14 13 23-0033 EA 2" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC) .....	80.41	18.27
33 14 13 23-0034 EA 2-1/2" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC) .....	100.57	20.72
33 14 13 23-0035 EA 3" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC) .....	106.05	23.30
33 14 13 23-0036 EA 4" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC) .....	155.42	28.61
33 14 13 23-0037 EA 6" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC) .....	234.31	36.35
33 14 13 23-0038 EA 8" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC) .....	406.76	47.71

<b>33</b>	<b>Utilities</b>
<b>33 10</b>	<b>Water Utilities</b>
<b>33 14</b>	<b>Water Utility Transmission and Distribution</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0039 EA 10" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	440.63	63.83
33 14 13 23-0040 EA 12" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	574.38	85.92
<b>33 14 13 23-0041 Tees Or Wyes, Class 200, SDR 21 Polyvinyl Chloride (PVC)</b> <small>(33 14 13 23-0001)</small>		
33 14 13 23-0042 EA 3/4" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	36.27	14.14
33 14 13 23-0043 EA 1" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	46.04	17.78
33 14 13 23-0044 EA 1-1/4" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	58.01	22.20
33 14 13 23-0045 EA 1-1/2" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	97.23	24.56
33 14 13 23-0046 EA 2" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	112.18	27.31
33 14 13 23-0047 EA 2-1/2" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	132.48	31.15
33 14 13 23-0048 EA 3" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	166.96	34.85
33 14 13 23-0049 EA 4" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	227.13	42.96
33 14 13 23-0050 EA 6" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	420.90	54.61
33 14 13 23-0051 EA 8" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	658.04	71.57
33 14 13 23-0052 EA 10" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	736.63	101.35
33 14 13 23-0053 EA 12" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	895.75	136.38
<b>33 14 13 23-0054 Couplings, Class 200, SDR 21 Polyvinyl Chloride (PVC)</b> <small>(33 14 13 23-0001)</small>		
33 14 13 23-0055 EA 3/4" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	16.30	6.29
33 14 13 23-0056 EA 1" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	22.10	8.45
33 14 13 23-0057 EA 1-1/4" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	30.04	11.10
33 14 13 23-0058 EA 1-1/2" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	50.51	12.28
33 14 13 23-0059 EA 2" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	55.28	13.66
33 14 13 23-0060 EA 2-1/2" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	62.86	15.52
33 14 13 23-0061 EA 3" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	73.55	17.42
33 14 13 23-0062 EA 4" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	107.58	21.43
33 14 13 23-0063 EA 6" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	162.93	27.31
33 14 13 23-0064 EA 8" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	305.26	35.78
33 14 13 23-0065 EA 10" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	342.70	50.72
33 14 13 23-0066 EA 12" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	427.20	68.19
<b>33 14 13 23-0067 Schedule 40 Polyvinyl Chloride (PVC) Pipe And Fittings</b> <small>(33 14 13 23)</small>		
<b>33 14 13 23-0068 Schedule 40 Polyvinyl Chloride (PVC) Pipe</b> <small>(33 14 13 23-0067)</small>		
33 14 13 23-0069 LF 3/4" Schedule 40 Polyvinyl Chloride (PVC) Pipe.....	3.00	0.79
For >1,000, Deduct	-0.15	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.15	
33 14 13 23-0070 LF 1" Schedule 40 Polyvinyl Chloride (PVC) Pipe.....	3.74	0.84
For >1,000, Deduct	-0.19	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.24	
33 14 13 23-0071 LF 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe.....	5.00	1.02
For >1,000, Deduct	-0.25	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.37	
33 14 13 23-0072 LF 2" Schedule 40 Polyvinyl Chloride (PVC) Pipe.....	6.17	1.14
For >1,000, Deduct	-0.31	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.50	
33 14 13 23-0073 LF 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe.....	8.51	1.30
For >1,000, Deduct	-0.43	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.79	
33 14 13 23-0074 LF 3" Schedule 40 Polyvinyl Chloride (PVC) Pipe.....	10.47	1.45
For >1,000, Deduct	-0.52	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	1.02	
33 14 13 23-0075 LF 4" Schedule 40 Polyvinyl Chloride (PVC) Pipe.....	14.31	1.79
For >1,000, Deduct	-0.72	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	1.48	
33 14 13 23-0076 LF 6" Schedule 40 Polyvinyl Chloride (PVC) Pipe.....	22.87	2.27
For >1,000, Deduct	-1.14	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	2.58	
<b>33 14 13 23-0077 Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows</b> <small>(33 14 13 23-0067)</small>		
33 14 13 23-0078 EA 3/4" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC).....	24.55	9.43
33 14 13 23-0079 EA 1" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC).....	31.07	11.79
33 14 13 23-0080 EA 1-1/2" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC).....	43.47	16.30
33 14 13 23-0081 EA 2" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC).....	49.75	18.27
33 14 13 23-0082 EA 2-1/2" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC).....	62.87	20.72
33 14 13 23-0083 EA 3" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC).....	71.62	23.30
33 14 13 23-0084 EA 4" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC).....	98.71	28.61
33 14 13 23-0085 EA 6" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC).....	177.47	36.35
<b>33 14 13 23-0086 Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows</b> <small>(33 14 13 23-0067)</small>		
33 14 13 23-0087 EA 3/4" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC).....	24.47	9.43
33 14 13 23-0088 EA 1" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC).....	30.99	11.79
33 14 13 23-0089 EA 1-1/2" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC).....	43.51	16.30
33 14 13 23-0090 EA 2" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC).....	49.43	18.27
33 14 13 23-0091 EA 2-1/2" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC).....	62.02	20.72
33 14 13 23-0092 EA 3" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC).....	70.63	23.30
33 14 13 23-0093 EA 4" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC).....	96.70	28.61



<b>Utilities</b>	<b>33</b>	<b>CS</b>
<b>Water Utilities</b>	<b>33 10</b>	
<b>Water Utility Transmission and Distribution</b>	<b>33 14</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0094 EA 6" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC).....	171.07	36.35
<b>33 14 13 23-0095 Schedule 40 Polyvinyl Chloride (PVC) Tees Or Wyes (33 14 13 23-0067)</b>		
33 14 13 23-0096 EA 3/4" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC).....	36.61	14.14
33 14 13 23-0097 EA 1" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC).....	46.30	17.78
33 14 13 23-0098 EA 1-1/2" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC).....	64.82	24.56
33 14 13 23-0099 EA 2" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC).....	73.51	27.31
33 14 13 23-0100 EA 2-1/2" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC).....	94.79	31.15
33 14 13 23-0101 EA 3" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC).....	111.50	34.85
33 14 13 23-0102 EA 4" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC).....	139.90	42.96
33 14 13 23-0103 EA 6" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC).....	272.33	54.61
<b>33 14 13 23-0104 Schedule 40 Polyvinyl Chloride (PVC) Couplings (33 14 13 23-0067)</b>		
33 14 13 23-0105 EA 3/4" Coupling, Schedule 40 Polyvinyl Chloride (PVC).....	16.45	6.29
33 14 13 23-0106 EA 1" Coupling, Schedule 40 Polyvinyl Chloride (PVC).....	22.23	8.45
33 14 13 23-0107 EA 1-1/2" Coupling, Schedule 40 Polyvinyl Chloride (PVC).....	32.21	12.28
33 14 13 23-0108 EA 2" Coupling, Schedule 40 Polyvinyl Chloride (PVC).....	36.73	13.66
33 14 13 23-0109 EA 2-1/2" Coupling, Schedule 40 Polyvinyl Chloride (PVC).....	44.43	15.52
33 14 13 23-0110 EA 3" Coupling, Schedule 40 Polyvinyl Chloride (PVC).....	52.20	17.42
33 14 13 23-0111 EA 4" Coupling, Schedule 40 Polyvinyl Chloride (PVC).....	65.07	21.43
33 14 13 23-0112 EA 6" Coupling, Schedule 40 Polyvinyl Chloride (PVC).....	107.65	27.31
<b>33 14 13 23-0113 Crosses, Schedule 40 Polyvinyl Chloride (PVC) (33 14 13 23-0067)</b>		
33 14 13 23-0114 EA 3/4" Cross, Schedule 40 Polyvinyl Chloride (PVC).....	49.12	18.86
33 14 13 23-0115 EA 1" Cross, Schedule 40 Polyvinyl Chloride (PVC).....	61.65	23.67
33 14 13 23-0116 EA 1-1/2" Cross, Schedule 40 Polyvinyl Chloride (PVC).....	86.41	32.72
33 14 13 23-0117 EA 2" Cross, Schedule 40 Polyvinyl Chloride (PVC).....	98.00	36.45
33 14 13 23-0118 EA 2-1/2" Cross, Schedule 40 Polyvinyl Chloride (PVC).....	126.29	41.46
33 14 13 23-0119 EA 3" Cross, Schedule 40 Polyvinyl Chloride (PVC).....	148.53	46.50
33 14 13 23-0120 EA 4" Cross, Schedule 40 Polyvinyl Chloride (PVC).....	186.34	57.21
33 14 13 23-0121 EA 6" Cross, Schedule 40 Polyvinyl Chloride (PVC).....	362.31	72.78
<b>33 14 13 23-0122 Schedule 80 Polyvinyl Chloride (PVC) Pipe And Fittings (33 14 13 23)</b>		
<b>33 14 13 23-0123 Schedule 80 Polyvinyl Chloride (PVC) Pipe (33 14 13 23-0122)</b>		
33 14 13 23-0124 LF 1" Schedule 80 Polyvinyl Chloride (PVC) Pipe.....	4.24	0.84
For >1,000, Deduct	-0.21	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.32	
33 14 13 23-0125 LF 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Pipe.....	6.00	1.02
For >1,000, Deduct	-0.30	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.52	
33 14 13 23-0126 LF 2" Schedule 80 Polyvinyl Chloride (PVC) Pipe.....	7.87	1.14
For >1,000, Deduct	-0.39	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.75	
33 14 13 23-0127 LF 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Pipe.....	10.70	1.30
For >1,000, Deduct	-0.54	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	1.12	
33 14 13 23-0128 LF 3" Schedule 80 Polyvinyl Chloride (PVC) Pipe.....	13.55	1.45
For >1,000, Deduct	-0.68	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	1.49	
33 14 13 23-0129 LF 4" Schedule 80 Polyvinyl Chloride (PVC) Pipe.....	19.02	1.79
For >1,000, Deduct	-0.95	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	2.18	
33 14 13 23-0130 LF 6" Schedule 80 Polyvinyl Chloride (PVC) Pipe.....	33.34	2.27
For >1,000, Deduct	-1.67	
For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	4.15	
<b>33 14 13 23-0131 Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows (33 14 13 23-0122)</b>		
33 14 13 23-0132 EA 1" 90 Degree Elbow, Schedule 80 Polyvinyl Chloride (PVC).....	33.67	11.79
33 14 13 23-0133 EA 1-1/2" 90 Degree Elbow, Schedule 80 Polyvinyl Chloride (PVC).....	43.47	16.30
33 14 13 23-0134 EA 2" 90 Degree Elbow, Schedule 80 Polyvinyl Chloride (PVC).....	52.35	18.27
33 14 13 23-0135 EA 2-1/2" 90 Degree Elbow, Schedule 80 Polyvinyl Chloride (PVC).....	68.40	20.72
33 14 13 23-0136 EA 3" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbow.....	76.77	23.30
33 14 13 23-0137 EA 4" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbow.....	99.95	28.61
33 14 13 23-0138 EA 6" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbow.....	171.61	36.35
<b>33 14 13 23-0139 Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows (33 14 13 23-0122)</b>		
33 14 13 23-0140 EA 1" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow.....	44.35	11.79
33 14 13 23-0141 EA 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow.....	53.76	16.30
33 14 13 23-0142 EA 2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow.....	62.24	18.27
33 14 13 23-0143 EA 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow.....	86.95	20.72
33 14 13 23-0144 EA 3" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow.....	100.91	23.30
33 14 13 23-0145 EA 4" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow.....	148.51	28.61
33 14 13 23-0146 EA 6" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow.....	168.35	36.35

**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>33 14 13 23-0147</b> <b>Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes</b> <small>(33 14 13 23-0122)</small>		
33 14 13 23-0148 EA 1" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes.....	51.77	17.78
33 14 13 23-0149 EA 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes.....	81.41	24.56
33 14 13 23-0150 EA 2" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes.....	93.30	27.31
33 14 13 23-0151 EA 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes.....	105.27	31.15
33 14 13 23-0152 EA 3" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes.....	121.52	34.85
33 14 13 23-0153 EA 4" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes.....	147.12	42.96
33 14 13 23-0154 EA 6" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes.....	272.07	54.61
<b>33 14 13 23-0155</b> <b>Schedule 80 Polyvinyl Chloride (PVC) Couplings</b> <small>(33 14 13 23-0122)</small>		
33 14 13 23-0156 EA 1" Schedule 80 Polyvinyl Chloride (PVC) Coupling .....	26.13	8.45
33 14 13 23-0157 EA 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Coupling .....	38.92	12.28
33 14 13 23-0158 EA 2" Schedule 80 Polyvinyl Chloride (PVC) Coupling .....	43.04	13.66
33 14 13 23-0159 EA 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Coupling .....	60.64	15.52
33 14 13 23-0160 EA 3" Schedule 80 Polyvinyl Chloride (PVC) Coupling .....	68.54	17.42
33 14 13 23-0161 EA 4" Schedule 80 Polyvinyl Chloride (PVC) Coupling .....	84.92	21.43
33 14 13 23-0162 EA 6" Schedule 80 Polyvinyl Chloride (PVC) Coupling .....	135.38	27.31
<b>33 14 13 23-0163</b> <b>Crosses, Schedule 80 Polyvinyl Chloride (PVC)</b> <small>(33 14 13 23-0122)</small>		
33 14 13 23-0164 EA 1" Schedule 80 Polyvinyl Chloride (PVC) Cross .....	68.90	23.67
33 14 13 23-0165 EA 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Cross .....	108.44	32.72
33 14 13 23-0166 EA 2" Schedule 80 Polyvinyl Chloride (PVC) Cross .....	124.26	36.45
33 14 13 23-0167 EA 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Cross .....	140.20	41.46
33 14 13 23-0168 EA 3" Schedule 80 Polyvinyl Chloride (PVC) Cross .....	161.84	46.50
33 14 13 23-0169 EA 4" Schedule 80 Polyvinyl Chloride (PVC) Cross .....	195.93	57.21
33 14 13 23-0170 EA 6" Schedule 80 Polyvinyl Chloride (PVC) Cross .....	361.97	72.78
<b>33 14 13 23-0171</b> <b>AWWA C900/C905 Polyvinyl Chloride (PVC) Pipe</b> <small>(33 14 13 23)</small>		
Note: Includes hub on one end of pipe. C900 is available in blue, white, purple or green.		
<b>33 14 13 23-0172</b> <b>AWWA C900, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe</b> <small>(33 14 13 23-0171)</small>		
33 14 13 23-0173 LF 4" AWWA C900, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe .....	10.02	3.64
33 14 13 23-0174 LF 6" AWWA C900, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe .....	14.39	4.41
33 14 13 23-0175 LF 8" AWWA C900, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe .....	19.52	4.97
33 14 13 23-0176 LF 10" AWWA C900, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe .....	25.48	5.52
33 14 13 23-0177 LF 12" AWWA C900, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe .....	32.81	6.18
<b>33 14 13 23-0178</b> <b>AWWA C900, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe</b> <small>(33 14 13 23-0171)</small>		
33 14 13 23-0179 LF 4" AWWA C900, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe .....	10.99	3.64
33 14 13 23-0180 LF 6" AWWA C900, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe .....	16.42	4.41
33 14 13 23-0181 LF 8" AWWA C900, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe .....	22.93	4.97
33 14 13 23-0182 LF 10" AWWA C900, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe .....	30.79	5.52
33 14 13 23-0183 LF 12" AWWA C900, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe .....	40.21	6.18
<b>33 14 13 23-0184</b> <b>AWWA C900, DR 14, PC 305 Polyvinyl Chloride (PVC) Pipe</b> <small>(33 14 13 23-0171)</small>		
33 14 13 23-0185 LF 4" AWWA C900, DR 14, PC 305 Polyvinyl Chloride (PVC) Pipe .....	11.95	3.64
33 14 13 23-0186 LF 6" AWWA C900, DR 14, PC 305 Polyvinyl Chloride (PVC) Pipe .....	18.43	4.41
33 14 13 23-0187 LF 8" AWWA C900, DR 14, PC 305 Polyvinyl Chloride (PVC) Pipe .....	26.34	4.97
33 14 13 23-0188 LF 10" AWWA C900, DR 14, PC 305 Polyvinyl Chloride (PVC) Pipe .....	35.98	5.52
33 14 13 23-0189 LF 12" AWWA C900, DR 14, PC 305 Polyvinyl Chloride (PVC) Pipe .....	47.62	6.18
<b>33 14 13 23-0190</b> <b>AWWA C905, DR 51, PC 80 Polyvinyl Chloride (PVC) Pipe</b> <small>(33 14 13 23-0171)</small>		
33 14 13 23-0191 LF 18" AWWA C905, DR 51, PC 80 Polyvinyl Chloride (PVC) Pipe .....	51.47	9.27
33 14 13 23-0192 LF 20" AWWA C905, DR 51, PC 80 Polyvinyl Chloride (PVC) Pipe .....	62.71	11.04
33 14 13 23-0193 LF 24" AWWA C905, DR 51, PC 80 Polyvinyl Chloride (PVC) Pipe .....	83.87	13.25
33 14 13 23-0194 LF 30" AWWA C905, DR 51, PC 80 Polyvinyl Chloride (PVC) Pipe .....	120.58	15.45
33 14 13 23-0195 LF 36" AWWA C905, DR 51, PC 80 Polyvinyl Chloride (PVC) Pipe .....	165.86	17.66
33 14 13 23-0196 LF 42" AWWA C905, DR 51, PC 80 Polyvinyl Chloride (PVC) Pipe .....	209.59	18.76
33 14 13 23-0197 LF 48" AWWA C905, DR 51, PC 80 Polyvinyl Chloride (PVC) Pipe .....	264.87	20.20
<b>33 14 13 23-0198</b> <b>AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe</b> <small>(33 14 13 23-0171)</small>		
33 14 13 23-0199 LF 14" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe .....	38.00	6.95
33 14 13 23-0200 LF 16" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe .....	47.52	7.73
33 14 13 23-0201 LF 18" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe .....	58.89	9.27
33 14 13 23-0202 LF 20" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe .....	72.34	11.04
33 14 13 23-0203 LF 24" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe .....	98.73	13.25
33 14 13 23-0204 LF 30" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe .....	141.90	15.45
33 14 13 23-0205 LF 36" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe .....	194.41	17.66
33 14 13 23-0206 LF 42" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe .....	257.06	18.76
33 14 13 23-0207 LF 48" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe .....	326.46	20.20





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>33 14 13 23-0208</b> <b>AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe</b> <small>(33 14 13 23-0171)</small>		
33 14 13 23-0209 LF 14" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe .....	43.72	6.95
33 14 13 23-0210 LF 16" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe .....	55.45	7.73
33 14 13 23-0211 LF 18" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe .....	68.74	9.27
33 14 13 23-0212 LF 20" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe .....	85.12	11.04
33 14 13 23-0213 LF 24" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe .....	117.08	13.25
33 14 13 23-0214 LF 30" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe .....	169.45	15.45
33 14 13 23-0215 LF 36" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe .....	234.64	17.66
33 14 13 23-0216 LF 42" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe .....	304.72	18.76
33 14 13 23-0217 LF 48" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe .....	388.65	20.20
<b>33 14 13 23-0218</b> <b>AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe</b> <small>(33 14 13 23-0171)</small>		
33 14 13 23-0219 LF 14" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe .....	53.48	6.95
33 14 13 23-0220 LF 16" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe .....	67.04	7.73
33 14 13 23-0221 LF 18" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe .....	83.67	9.27
33 14 13 23-0222 LF 20" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe .....	103.15	11.04
33 14 13 23-0223 LF 24" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe .....	143.07	13.25
33 14 13 23-0224 LF 30" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe .....	210.25	15.45
33 14 13 23-0225 LF 36" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe .....	297.36	17.66
33 14 13 23-0226 LF 42" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe .....	396.71	18.76
33 14 13 23-0227 LF 48" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe .....	512.10	20.20
<b>33 14 13 23-0228</b> <b>AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe</b> <small>(33 14 13 23-0171)</small>		
33 14 13 23-0229 LF 14" AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe .....	60.82	6.95
33 14 13 23-0230 LF 16" AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe .....	76.59	7.73
33 14 13 23-0231 LF 18" AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe .....	95.70	9.27
33 14 13 23-0232 LF 20" AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe .....	118.14	11.04
33 14 13 23-0233 LF 24" AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe .....	164.64	13.25
33 14 13 23-0234 LF 30" AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe .....	243.44	15.45
33 14 13 23-0235 LF 36" AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe .....	345.83	17.66
33 14 13 23-0236 LF 42" AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe .....	463.14	18.76
<b>33 14 13 23-0237</b> <b>AWWA C905, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe</b> <small>(33 14 13 23-0171)</small>		
33 14 13 23-0238 LF 14" AWWA C905, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe .....	67.96	6.95
33 14 13 23-0239 LF 16" AWWA C905, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe .....	85.87	7.73
33 14 13 23-0240 LF 18" AWWA C905, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe .....	107.41	9.27
33 14 13 23-0241 LF 20" AWWA C905, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe .....	132.73	11.04
33 14 13 23-0242 LF 24" AWWA C905, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe .....	185.62	13.25
33 14 13 23-0243 LF 30" AWWA C905, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe .....	275.72	15.45
33 14 13 23-0244 LF 36" AWWA C905, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe .....	393.00	17.66
<b>33 14 13 23-0245</b> <b>AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) Fittings</b> <small>(33 14 13 23)</small>		
Note: Includes rubber gaskets.		
<b>33 14 13 23-0246</b> <b>90 Degree Elbows, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)</b> <small>(33 14 13 23-0245)</small>		
33 14 13 23-0247 EA 4" 90 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	199.14	11.79
For DR 25, Deduct .....	-10.53	
33 14 13 23-0248 EA 6" 90 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	409.75	13.26
For DR 25, Deduct .....	-22.99	
33 14 13 23-0249 EA 8" 90 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	616.44	14.73
For DR 25, Deduct .....	-35.22	
33 14 13 23-0250 EA 10" 90 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	941.78	23.68
For DR 25, Deduct .....	-53.66	
33 14 13 23-0251 EA 12" 90 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	1,224.20	39.47
For DR 25, Deduct .....	-68.72	
33 14 13 23-0252 EA 14" 90 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	1,840.08	49.34
For DR 25, Deduct .....	-104.49	
33 14 13 23-0253 EA 16" 90 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	2,195.84	59.21
For DR 25, Deduct .....	-124.64	
33 14 13 23-0254 EA 18" 90 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	3,771.71	78.95
For DR 25, Deduct .....	-216.83	
33 14 13 23-0255 EA 20" 90 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	4,642.87	98.68
For DR 25, Deduct .....	-266.73	
33 14 13 23-0256 EA 24" 90 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	7,712.12	133.21
For DR 25, Deduct .....	-446.74	
<b>33 14 13 23-0257</b> <b>45 Degree Elbows, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)</b> <small>(33 14 13 23-0245)</small>		
33 14 13 23-0258 EA 4" 45 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	176.22	11.79
For DR 25, Deduct .....	-9.16	
33 14 13 23-0259 EA 6" 45 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	305.79	13.26
For DR 25, Deduct .....	-16.76	
33 14 13 23-0260 EA 8" 45 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	387.88	14.73
For DR 25, Deduct .....	-21.51	

**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0261 EA 10" 45 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	548.71	23.68
For DR 25, Deduct	-30.08	
33 14 13 23-0262 EA 12" 45 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	732.33	39.47
For DR 25, Deduct	-39.20	
33 14 13 23-0263 EA 14" 45 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	1,412.22	49.34
For DR 25, Deduct	-78.81	
33 14 13 23-0264 EA 16" 45 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	1,790.52	59.21
For DR 25, Deduct	-100.32	
33 14 13 23-0265 EA 18" 45 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	3,094.04	78.95
For DR 25, Deduct	-176.17	
33 14 13 23-0266 EA 20" 45 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	3,842.84	98.68
For DR 25, Deduct	-218.73	
33 14 13 23-0267 EA 24" 45 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	5,423.99	133.21
For DR 25, Deduct	-309.45	
<b>33 14 13 23-0268 22-1/2 Degree Elbows, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)</b> <small>(33 14 13 23-0245)</small>		
33 14 13 23-0269 EA 4" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	173.42	11.79
For DR 25, Deduct	-8.99	
33 14 13 23-0270 EA 6" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	305.79	13.26
For DR 25, Deduct	-16.76	
33 14 13 23-0271 EA 8" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	387.89	14.73
For DR 25, Deduct	-21.51	
33 14 13 23-0272 EA 10" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	548.72	23.68
For DR 25, Deduct	-30.08	
33 14 13 23-0273 EA 12" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	732.34	39.47
For DR 25, Deduct	-39.20	
33 14 13 23-0274 EA 14" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	1,408.25	47.37
For DR 25, Deduct	-78.81	
33 14 13 23-0275 EA 16" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	1,790.50	59.21
For DR 25, Deduct	-100.32	
33 14 13 23-0276 EA 18" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	3,094.04	78.95
For DR 25, Deduct	-176.17	
33 14 13 23-0277 EA 20" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	3,842.84	98.68
For DR 25, Deduct	-218.73	
33 14 13 23-0278 EA 24" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	5,423.99	133.21
For DR 25, Deduct	-309.45	
<b>33 14 13 23-0279 11-1/4 Degree Elbows, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)</b> <small>(33 14 13 23-0245)</small>		
33 14 13 23-0280 EA 4" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	152.90	11.79
For DR 25, Deduct	-7.76	
33 14 13 23-0281 EA 6" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	305.79	13.26
For DR 25, Deduct	-16.76	
33 14 13 23-0282 EA 8" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	387.89	14.73
For DR 25, Deduct	-21.51	
33 14 13 23-0283 EA 10" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	548.72	23.68
For DR 25, Deduct	-30.08	
33 14 13 23-0284 EA 12" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	732.34	39.47
For DR 25, Deduct	-39.20	
33 14 13 23-0285 EA 14" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	1,408.25	47.37
For DR 25, Deduct	-78.81	
33 14 13 23-0286 EA 16" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	1,790.50	59.21
For DR 25, Deduct	-100.32	
33 14 13 23-0287 EA 18" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	3,094.04	78.95
For DR 25, Deduct	-176.17	
33 14 13 23-0288 EA 20" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	3,842.84	98.68
For DR 25, Deduct	-218.73	
33 14 13 23-0289 EA 24" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	5,423.99	133.21
For DR 25, Deduct	-309.45	
<b>33 14 13 23-0290 Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)</b> <small>(33 14 13 23-0245)</small>		
33 14 13 23-0291 EA 4" Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	236.81	13.26
For DR 25, Deduct	-12.62	
33 14 13 23-0292 EA 6" Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	459.37	14.73
For DR 25, Deduct	-25.79	
33 14 13 23-0293 EA 8" Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	641.75	16.70
For DR 25, Deduct	-36.50	
33 14 13 23-0294 EA 10" Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	1,324.83	29.60
For DR 25, Deduct	-75.94	
33 14 13 23-0295 EA 12" Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	1,613.35	59.21
For DR 25, Deduct	-89.70	
33 14 13 23-0296 EA 14" Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	2,919.00	74.01
For DR 25, Deduct	-166.26	
33 14 13 23-0297 EA 16" Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	3,615.92	88.81
For DR 25, Deduct	-206.30	
33 14 13 23-0298 EA 18" Tee, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	4,561.44	118.42
For DR 25, Deduct	-259.48	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0299 EA 20" Tee, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	5,476.78	148.02
For DR 25, Deduct	-310.84	
33 14 13 23-0300 EA 24" Tee, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	7,530.31	100.66
For DR 25, Deduct	-439.74	
<b>33 14 13 23-0301 Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) <small>(33 14 13 23-0245)</small></b>		
33 14 13 23-0302 EA 6" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	456.58	19.15
For DR 25, Deduct	-25.10	
33 14 13 23-0303 EA 8" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	622.05	20.63
For DR 25, Deduct	-34.85	
33 14 13 23-0304 EA 8" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	637.58	21.36
For DR 25, Deduct	-35.69	
33 14 13 23-0305 EA 10" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	827.78	29.60
For DR 25, Deduct	-46.11	
33 14 13 23-0306 EA 10" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	1,122.64	30.34
For DR 25, Deduct	-63.72	
33 14 13 23-0307 EA 10" x 8" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	1,201.18	31.09
For DR 25, Deduct	-68.34	
33 14 13 23-0308 EA 12" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	1,271.49	45.39
For DR 25, Deduct	-70.84	
33 14 13 23-0309 EA 12" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	1,460.50	46.14
For DR 25, Deduct	-82.09	
33 14 13 23-0310 EA 12" x 8" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	1,549.77	46.87
For DR 25, Deduct	-87.36	
33 14 13 23-0311 EA 12" x 10" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	1,578.40	51.31
For DR 25, Deduct	-88.55	
33 14 13 23-0312 EA 14" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	2,401.03	53.29
For DR 25, Deduct	-137.67	
33 14 13 23-0313 EA 14" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	2,497.83	54.02
For DR 25, Deduct	-143.39	
33 14 13 23-0314 EA 14" x 8" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	2,594.86	54.77
For DR 25, Deduct	-149.12	
33 14 13 23-0315 EA 14" x 10" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	2,698.76	59.21
For DR 25, Deduct	-154.82	
33 14 13 23-0316 EA 14" x 12" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	2,809.91	67.11
For DR 25, Deduct	-160.54	
33 14 13 23-0317 EA 16" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	2,996.62	65.13
For DR 25, Deduct	-171.98	
33 14 13 23-0318 EA 16" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	3,091.91	65.13
For DR 25, Deduct	-177.70	
33 14 13 23-0319 EA 16" x 8" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	3,188.72	65.87
For DR 25, Deduct	-183.42	
33 14 13 23-0320 EA 16" x 10" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	3,285.52	66.61
For DR 25, Deduct	-189.14	
33 14 13 23-0321 EA 16" x 12" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	3,405.49	78.95
For DR 25, Deduct	-194.86	
33 14 13 23-0322 EA 16" x 14" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	3,508.70	82.89
For DR 25, Deduct	-200.58	
33 14 13 23-0323 EA 18" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	3,702.62	84.87
For DR 25, Deduct	-211.97	
33 14 13 23-0324 EA 18" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	3,800.10	85.61
For DR 25, Deduct	-217.73	
33 14 13 23-0325 EA 18" x 8" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	3,896.90	86.34
For DR 25, Deduct	-223.45	
33 14 13 23-0326 EA 18" x 10" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	4,001.09	90.79
For DR 25, Deduct	-229.17	
33 14 13 23-0327 EA 18" x 12" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	4,112.17	98.68
For DR 25, Deduct	-234.89	
33 14 13 23-0328 EA 18" x 14" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	4,214.72	102.63
For DR 25, Deduct	-240.57	
33 14 13 23-0329 EA 18" x 16" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	4,344.93	108.55
For DR 25, Deduct	-247.67	
33 14 13 23-0330 EA 20" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	4,696.57	104.60
For DR 25, Deduct	-269.24	
33 14 13 23-0331 EA 20" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	4,860.80	105.35
For DR 25, Deduct	-279.01	
33 14 13 23-0332 EA 20" x 8" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	4,925.38	106.08
For DR 25, Deduct	-282.79	
33 14 13 23-0333 EA 20" x 10" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	4,997.45	110.52
For DR 25, Deduct	-286.58	
33 14 13 23-0334 EA 20" x 12" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	5,076.37	118.42
For DR 25, Deduct	-290.37	
33 14 13 23-0335 EA 20" x 14" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	5,186.59	122.36
For DR 25, Deduct	-296.51	
33 14 13 23-0336 EA 20" x 16" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	5,300.79	128.28
For DR 25, Deduct	-302.65	
33 14 13 23-0337 EA 20" x 18" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	5,388.77	138.16
For DR 25, Deduct	-306.75	
33 14 13 23-0338 EA 24" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	5,527.26	139.14
For DR 25, Deduct	-314.94	
33 14 13 23-0339 EA 24" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	5,597.04	139.88
For DR 25, Deduct	-319.04	

**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0340 EA 24" x 8" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	5,666.79	140.62
For DR 25, Deduct	-323.13	
33 14 13 23-0341 EA 24" x 10" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	5,953.30	145.06
For DR 25, Deduct	-339.79	
33 14 13 23-0342 EA 24" x 12" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	6,246.70	152.95
For DR 25, Deduct	-356.45	
33 14 13 23-0343 EA 24" x 14" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	6,532.24	156.90
For DR 25, Deduct	-373.11	
33 14 13 23-0344 EA 24" x 16" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	6,821.72	162.82
For DR 25, Deduct	-389.76	
33 14 13 23-0345 EA 24" x 18" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	7,119.10	172.69
For DR 25, Deduct	-406.42	
33 14 13 23-0346 EA 24" x 20" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	7,416.46	182.56
For DR 25, Deduct	-423.08	
<b>33 14 13 23-0347 Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)</b> (33 14 13 23-0245)		
33 14 13 23-0348 EA 4" Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	327.54	23.57
For DR 25, Deduct	-16.82	
33 14 13 23-0349 EA 6" Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	591.16	26.52
For DR 25, Deduct	-32.29	
33 14 13 23-0350 EA 8" Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	819.75	29.47
For DR 25, Deduct	-45.65	
33 14 13 23-0351 EA 10" Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	1,676.09	47.37
For DR 25, Deduct	-94.88	
33 14 13 23-0352 EA 12" Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	1,987.45	59.21
For DR 25, Deduct	-112.14	
33 14 13 23-0353 EA 14" Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	3,621.81	78.95
For DR 25, Deduct	-207.84	
33 14 13 23-0354 EA 16" Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	4,494.54	98.68
For DR 25, Deduct	-257.84	
33 14 13 23-0355 EA 18" Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	5,722.33	157.89
For DR 25, Deduct	-324.39	
33 14 13 23-0356 EA 20" Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	6,870.75	197.37
For DR 25, Deduct	-388.56	
33 14 13 23-0357 EA 24" Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	9,693.58	266.44
For DR 25, Deduct	-549.64	
<b>33 14 13 23-0358 Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)</b> (33 14 13 23-0245)		
33 14 13 23-0359 EA 6" x 4" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	573.35	25.05
For DR 25, Deduct	-31.40	
33 14 13 23-0360 EA 8" x 4" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	779.93	26.52
For DR 25, Deduct	-43.61	
33 14 13 23-0361 EA 8" x 6" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	799.72	27.99
For DR 25, Deduct	-44.62	
33 14 13 23-0362 EA 10" x 4" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	1,201.44	35.53
For DR 25, Deduct	-67.82	
33 14 13 23-0363 EA 10" x 6" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	1,401.62	37.01
For DR 25, Deduct	-79.66	
33 14 13 23-0364 EA 10" x 8" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	1,540.08	38.48
For DR 25, Deduct	-87.79	
33 14 13 23-0365 EA 12" x 4" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	1,578.99	51.31
For DR 25, Deduct	-88.58	
33 14 13 23-0366 EA 12" x 6" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	1,815.82	52.79
For DR 25, Deduct	-102.61	
33 14 13 23-0367 EA 12" x 8" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	1,928.52	54.28
For DR 25, Deduct	-109.20	
33 14 13 23-0368 EA 12" x 10" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	1,970.88	63.15
For DR 25, Deduct	-110.67	
33 14 13 23-0369 EA 14" x 4" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	2,986.47	59.21
For DR 25, Deduct	-172.08	
33 14 13 23-0370 EA 14" x 6" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	3,108.21	60.69
For DR 25, Deduct	-179.21	
33 14 13 23-0371 EA 14" x 8" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	3,231.29	62.16
For DR 25, Deduct	-186.42	
33 14 13 23-0372 EA 14" x 10" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	3,368.65	71.05
For DR 25, Deduct	-193.59	
33 14 13 23-0373 EA 14" x 12" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	3,518.93	86.84
For DR 25, Deduct	-200.72	
33 14 13 23-0374 EA 16" x 4" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	3,724.47	71.05
For DR 25, Deduct	-214.94	
33 14 13 23-0375 EA 16" x 6" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	3,847.84	72.53
For DR 25, Deduct	-222.17	
33 14 13 23-0376 EA 16" x 8" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	3,969.87	74.01
For DR 25, Deduct	-229.31	
33 14 13 23-0377 EA 16" x 10" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	4,107.13	82.89
For DR 25, Deduct	-236.48	
33 14 13 23-0378 EA 16" x 12" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	4,172.56	98.68
For DR 25, Deduct	-238.51	
33 14 13 23-0379 EA 16" x 14" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	4,392.16	106.58
For DR 25, Deduct	-250.74	



<b>Utilities</b>	<b>33</b>	<b>CS</b>
<b>Water Utilities</b>	<b>33 10</b>	
<b>Water Utility Transmission and Distribution</b>	<b>33 14</b>	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0380	EA	18" x 4" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	4,598.29	90.79
		<i>For DR 25, Deduct</i>	-265.00	
33 14 13 23-0381	EA	18" x 6" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	4,721.37	92.26
		<i>For DR 25, Deduct</i>	-272.21	
33 14 13 23-0382	EA	18" x 8" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	4,843.58	93.75
		<i>For DR 25, Deduct</i>	-279.37	
33 14 13 23-0383	EA	18" x 10" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	4,979.05	102.63
		<i>For DR 25, Deduct</i>	-286.43	
33 14 13 23-0384	EA	18" x 12" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	5,130.76	118.42
		<i>For DR 25, Deduct</i>	-293.64	
33 14 13 23-0385	EA	18" x 14" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	5,265.25	126.32
		<i>For DR 25, Deduct</i>	-300.76	
33 14 13 23-0386	EA	18" x 16" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	5,436.65	138.16
		<i>For DR 25, Deduct</i>	-309.62	
33 14 13 23-0387	EA	20" x 4" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	5,830.82	110.52
		<i>For DR 25, Deduct</i>	-336.59	
33 14 13 23-0388	EA	20" x 6" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	6,036.89	112.00
		<i>For DR 25, Deduct</i>	-348.77	
33 14 13 23-0389	EA	20" x 8" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	6,119.31	113.49
		<i>For DR 25, Deduct</i>	-353.54	
33 14 13 23-0390	EA	20" x 10" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	6,215.68	122.36
		<i>For DR 25, Deduct</i>	-358.26	
33 14 13 23-0391	EA	20" x 12" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	6,325.88	138.16
		<i>For DR 25, Deduct</i>	-362.97	
33 14 13 23-0392	EA	20" x 14" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	6,468.72	146.05
		<i>For DR 25, Deduct</i>	-370.60	
33 14 13 23-0393	EA	20" x 16" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	6,621.97	157.89
		<i>For DR 25, Deduct</i>	-378.37	
33 14 13 23-0394	EA	20" x 18" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	6,746.53	177.63
		<i>For DR 25, Deduct</i>	-383.48	
33 14 13 23-0395	EA	24" x 4" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	6,813.46	145.06
		<i>For DR 25, Deduct</i>	-391.40	
33 14 13 23-0396	EA	24" x 6" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	6,940.08	146.54
		<i>For DR 25, Deduct</i>	-398.82	
33 14 13 23-0397	EA	24" x 8" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	7,028.74	148.02
		<i>For DR 25, Deduct</i>	-403.96	
33 14 13 23-0398	EA	24" x 10" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	7,393.15	156.90
		<i>For DR 25, Deduct</i>	-424.76	
33 14 13 23-0399	EA	24" x 12" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	7,771.48	172.69
		<i>For DR 25, Deduct</i>	-445.57	
33 14 13 23-0400	EA	24" x 14" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	8,133.97	180.58
		<i>For DR 25, Deduct</i>	-466.37	
33 14 13 23-0401	EA	24" x 16" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	8,505.85	192.42
		<i>For DR 25, Deduct</i>	-487.26	
33 14 13 23-0402	EA	24" x 18" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	8,891.27	212.16
		<i>For DR 25, Deduct</i>	-508.02	
33 14 13 23-0403	EA	24" x 20" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	9,278.18	231.90
		<i>For DR 25, Deduct</i>	-528.86	
<b>33 14 13 23-0404</b>		<b>Couplings, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)</b> <small>(33 14 13 23-0245)</small>		
33 14 13 23-0405	EA	4" Coupling, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	118.13	11.79
		<i>For DR 25, Deduct</i>	-5.67	
33 14 13 23-0406	EA	6" Coupling, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	221.68	13.26
		<i>For DR 25, Deduct</i>	-11.71	
33 14 13 23-0407	EA	8" Coupling, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	267.04	14.73
		<i>For DR 25, Deduct</i>	-14.25	
33 14 13 23-0408	EA	10" Coupling, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	379.70	23.68
		<i>For DR 25, Deduct</i>	-19.94	
33 14 13 23-0409	EA	12" Coupling, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	605.25	29.60
		<i>For DR 25, Deduct</i>	-32.76	
33 14 13 23-0410	EA	14" Coupling, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	1,051.98	39.47
		<i>For DR 25, Deduct</i>	-58.38	
33 14 13 23-0411	EA	16" Coupling, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	1,245.77	49.34
		<i>For DR 25, Deduct</i>	-68.82	
33 14 13 23-0412	EA	18" Coupling, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	2,988.58	78.95
		<i>For DR 25, Deduct</i>	-169.84	
33 14 13 23-0413	EA	20" Coupling, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	3,348.80	98.68
		<i>For DR 25, Deduct</i>	-189.09	
33 14 13 23-0414	EA	24" Coupling, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	4,716.08	133.21
		<i>For DR 25, Deduct</i>	-266.98	
<b>33 14 13 23-0415</b>		<b>Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)</b> <small>(33 14 13 23-0245)</small>		
33 14 13 23-0416	EA	4" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	146.91	11.79
		<i>For DR 25, Deduct</i>	-7.40	
33 14 13 23-0417	EA	6" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	200.07	13.26
		<i>For DR 25, Deduct</i>	-10.41	
33 14 13 23-0418	EA	8" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	291.65	14.73
		<i>For DR 25, Deduct</i>	-15.73	
33 14 13 23-0419	EA	10" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	398.89	23.68
		<i>For DR 25, Deduct</i>	-21.09	

**33 Utilities**  
**33 10 Water Utilities**  
**33 14 Water Utility Transmission and Distribution**



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0420	EA	12" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	638.98	39.47
		<i>For DR 25, Deduct</i>	-33.60	
33 14 13 23-0421	EA	14" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	1,705.17	47.37
		<i>For DR 25, Deduct</i>	-96.63	
33 14 13 23-0422	EA	16" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	2,309.00	59.21
		<i>For DR 25, Deduct</i>	-131.43	
33 14 13 23-0423	EA	18" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	2,844.06	78.95
		<i>For DR 25, Deduct</i>	-161.17	
33 14 13 23-0424	EA	20" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	3,397.20	98.68
		<i>For DR 25, Deduct</i>	-191.99	
33 14 13 23-0425	EA	24" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	4,615.11	133.21
		<i>For DR 25, Deduct</i>	-260.92	
<b>33 14 13 23-0426</b>		<b>AWWA C906, High Density Polyethylene (HDPE) Pressure Piping <small>(33 14 13 23)</small></b>		
		Note: ASTM D3350 pipe, ASTM D2657 heat fusion.		
<b>33 14 13 23-0427</b>		<b>High Density Polyethylene (HDPE) Pressure Pipe <small>(33 14 13 23-0426)</small></b>		
33 14 13 23-0428	LF	3" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe .....	9.11	2.87
		<i>For SDR 19, Add</i>	0.30	
		<i>For SDR 17, Add</i>	0.74	
		<i>For SDR 15.5, Add</i>	1.08	
		<i>For SDR 13.5, Add</i>	1.68	
		<i>For SDR 11, Add</i>	2.71	
33 14 13 23-0429	LF	4" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe .....	8.77	3.64
		<i>For SDR 26, Deduct</i>	-0.27	
		<i>For SDR 19, Add</i>	0.13	
		<i>For SDR 17, Add</i>	0.33	
		<i>For SDR 15.5, Add</i>	0.48	
		<i>For SDR 13.5, Add</i>	0.75	
		<i>For SDR 11, Add</i>	1.21	
33 14 13 23-0430	LF	6" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe .....	12.04	4.41
		<i>For SDR 26, Deduct</i>	-0.59	
		<i>For SDR 19, Add</i>	0.29	
		<i>For SDR 17, Add</i>	0.71	
		<i>For SDR 15.5, Add</i>	1.04	
		<i>For SDR 13.5, Add</i>	1.63	
		<i>For SDR 11, Add</i>	2.62	
33 14 13 23-0431	LF	8" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe .....	15.37	4.97
		<i>For SDR 26, Deduct</i>	-1.00	
		<i>For SDR 19, Add</i>	0.49	
		<i>For SDR 17, Add</i>	1.21	
		<i>For SDR 15.5, Add</i>	1.77	
		<i>For SDR 13.5, Add</i>	2.76	
		<i>For SDR 11, Add</i>	4.44	
33 14 13 23-0432	LF	10" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe .....	19.49	5.52
		<i>For SDR 26, Deduct</i>	-1.55	
		<i>For SDR 19, Add</i>	0.76	
		<i>For SDR 17, Add</i>	1.88	
		<i>For SDR 15.5, Add</i>	2.75	
		<i>For SDR 13.5, Add</i>	4.29	
		<i>For SDR 11, Add</i>	6.91	
33 14 13 23-0433	LF	12" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe .....	24.44	6.18
		<i>For SDR 26, Deduct</i>	-2.23	
		<i>For SDR 19, Add</i>	1.10	
		<i>For SDR 17, Add</i>	2.71	
		<i>For SDR 15.5, Add</i>	3.96	
		<i>For SDR 13.5, Add</i>	6.19	
		<i>For SDR 11, Add</i>	9.96	
33 14 13 23-0434	LF	14" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe .....	28.12	6.95
		<i>For SDR 26, Deduct</i>	-2.62	
		<i>For SDR 19, Add</i>	1.29	
		<i>For SDR 17, Add</i>	3.18	
		<i>For SDR 15.5, Add</i>	4.66	
		<i>For SDR 13.5, Add</i>	7.27	
		<i>For SDR 11, Add</i>	11.71	
33 14 13 23-0435	LF	16" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe .....	34.16	7.73
		<i>For SDR 26, Deduct</i>	-3.43	
		<i>For SDR 19, Add</i>	1.68	
		<i>For SDR 17, Add</i>	4.16	
		<i>For SDR 15.5, Add</i>	6.09	
		<i>For SDR 13.5, Add</i>	9.50	
		<i>For SDR 11, Add</i>	15.30	
33 14 13 23-0436	LF	18" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe .....	42.24	9.27
		<i>For SDR 26, Deduct</i>	-4.33	
		<i>For SDR 19, Add</i>	2.13	
		<i>For SDR 17, Add</i>	5.25	
		<i>For SDR 15.5, Add</i>	7.69	
		<i>For SDR 13.5, Add</i>	12.01	
		<i>For SDR 11, Add</i>	19.33	
33 14 13 23-0437	LF	20" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe .....	128.68	11.04
		<i>For SDR 26, Deduct</i>	-19.54	
		<i>For SDR 19, Add</i>	9.59	
		<i>For SDR 17, Add</i>	23.69	
		<i>For SDR 15.5, Add</i>	34.69	
		<i>For SDR 13.5, Add</i>	54.14	
		<i>For SDR 11, Add</i>	87.15	



<b>Utilities</b>	<b>33</b>	<b>CS</b>
<b>Water Utilities</b>	<b>33 10</b>	
<b>Water Utility Transmission and Distribution</b>	<b>33 14</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0438 LF 24" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe .....	68.56	13.25
For SDR 26, Deduct	-7.71	
For SDR 19, Add	3.79	
For SDR 17, Add	9.35	
For SDR 15.5, Add	13.69	
For SDR 13.5, Add	21.36	
For SDR 11, Add	34.38	
<b>33 14 13 23-0439 90 Degree Elbows, High Density Polyethylene (HDPE) Pressure Piping <sup>(33 14</sup></b>		
<sup>13 23-0426)</sup>		
33 14 13 23-0440 EA 3" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	56.57	14.73
For SDR 26, Deduct	-2.27	
For SDR 19, Add	1.11	
For SDR 17, Add	2.75	
For SDR 15.5, Add	4.03	
For SDR 13.5, Add	6.28	
For SDR 11, Add	10.11	
33 14 13 23-0441 EA 4" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	63.86	16.38
For SDR 26, Deduct	-2.70	
For SDR 19, Add	1.33	
For SDR 17, Add	3.28	
For SDR 15.5, Add	4.80	
For SDR 13.5, Add	7.49	
For SDR 11, Add	12.05	
33 14 13 23-0442 EA 6" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	95.30	18.72
For SDR 26, Deduct	-7.19	
For SDR 19, Add	3.53	
For SDR 17, Add	8.71	
For SDR 15.5, Add	12.76	
For SDR 13.5, Add	19.91	
For SDR 11, Add	32.05	
33 14 13 23-0443 EA 8" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	147.46	21.85
For SDR 26, Deduct	-15.02	
For SDR 19, Add	7.37	
For SDR 17, Add	18.21	
For SDR 15.5, Add	26.66	
For SDR 13.5, Add	41.62	
For SDR 11, Add	66.99	
33 14 13 23-0444 EA 10" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	224.09	29.18
For SDR 26, Deduct	-25.07	
For SDR 19, Add	12.31	
For SDR 17, Add	30.39	
For SDR 15.5, Add	44.50	
For SDR 13.5, Add	69.46	
For SDR 11, Add	111.80	
33 14 13 23-0445 EA 12" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	331.20	43.67
For SDR 26, Deduct	-36.71	
For SDR 19, Add	18.02	
For SDR 17, Add	44.50	
For SDR 15.5, Add	65.16	
For SDR 13.5, Add	101.71	
For SDR 11, Add	163.71	
33 14 13 23-0446 EA 14" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	413.46	58.28
For SDR 26, Deduct	-43.76	
For SDR 19, Add	21.49	
For SDR 17, Add	53.05	
For SDR 15.5, Add	77.68	
For SDR 13.5, Add	121.25	
For SDR 11, Add	195.16	
33 14 13 23-0447 EA 16" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	547.77	87.33
For SDR 26, Deduct	-52.40	
For SDR 19, Add	25.73	
For SDR 17, Add	63.52	
For SDR 15.5, Add	93.03	
For SDR 13.5, Add	145.20	
For SDR 11, Add	233.72	
33 14 13 23-0448 EA 18" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	683.78	98.23
For SDR 26, Deduct	-71.31	
For SDR 19, Add	35.01	
For SDR 17, Add	86.45	
For SDR 15.5, Add	126.60	
For SDR 13.5, Add	197.60	
For SDR 11, Add	318.05	
33 14 13 23-0449 EA 20" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	922.96	111.49
For SDR 26, Deduct	-107.24	
For SDR 19, Add	52.65	
For SDR 17, Add	130.00	
For SDR 15.5, Add	190.37	
For SDR 13.5, Add	297.14	
For SDR 11, Add	478.27	

**33 Utilities**  
**33 10 Water Utilities**  
**33 14 Water Utility Transmission and Distribution**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14	13 23-0450	EA	24" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	1,173.99	131.05
			<i>For SDR 26, Deduct</i>	-143.16	
			<i>For SDR 19, Add</i>	70.29	
			<i>For SDR 17, Add</i>	173.55	
			<i>For SDR 15.5, Add</i>	254.15	
			<i>For SDR 13.5, Add</i>	396.69	
			<i>For SDR 11, Add</i>	638.50	
<b>33 14</b>	<b>13 23-0451</b>		<b>Tees, High Density Polyethylene (HDPE) Pressure Piping (33 14 13 23-0426)</b>		
33 14	13 23-0452	EA	3" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	62.35	15.42
			<i>For SDR 26, Deduct</i>	-2.97	
			<i>For SDR 19, Add</i>	1.46	
			<i>For SDR 17, Add</i>	3.60	
			<i>For SDR 15.5, Add</i>	5.26	
			<i>For SDR 13.5, Add</i>	8.22	
			<i>For SDR 11, Add</i>	13.23	
33 14	13 23-0453	EA	4" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	71.41	17.47
			<i>For SDR 26, Deduct</i>	-3.49	
			<i>For SDR 19, Add</i>	1.71	
			<i>For SDR 17, Add</i>	4.23	
			<i>For SDR 15.5, Add</i>	6.20	
			<i>For SDR 13.5, Add</i>	9.67	
			<i>For SDR 11, Add</i>	15.57	
33 14	13 23-0454	EA	6" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	110.20	20.16
			<i>For SDR 26, Deduct</i>	-9.12	
			<i>For SDR 19, Add</i>	4.48	
			<i>For SDR 17, Add</i>	11.06	
			<i>For SDR 15.5, Add</i>	16.20	
			<i>For SDR 13.5, Add</i>	25.28	
			<i>For SDR 11, Add</i>	40.69	
33 14	13 23-0455	EA	8" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	197.68	23.83
			<i>For SDR 26, Deduct</i>	-23.14	
			<i>For SDR 19, Add</i>	11.36	
			<i>For SDR 17, Add</i>	28.05	
			<i>For SDR 15.5, Add</i>	41.09	
			<i>For SDR 13.5, Add</i>	64.13	
			<i>For SDR 11, Add</i>	103.22	
33 14	13 23-0456	EA	10" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	271.15	34.97
			<i>For SDR 26, Deduct</i>	-30.49	
			<i>For SDR 19, Add</i>	14.97	
			<i>For SDR 17, Add</i>	36.96	
			<i>For SDR 15.5, Add</i>	54.13	
			<i>For SDR 13.5, Add</i>	84.49	
			<i>For SDR 11, Add</i>	135.99	
33 14	13 23-0457	EA	12" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	384.35	52.46
			<i>For SDR 26, Deduct</i>	-41.63	
			<i>For SDR 19, Add</i>	20.44	
			<i>For SDR 17, Add</i>	50.47	
			<i>For SDR 15.5, Add</i>	73.91	
			<i>For SDR 13.5, Add</i>	115.36	
			<i>For SDR 11, Add</i>	185.69	
33 14	13 23-0458	EA	14" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	463.69	65.53
			<i>For SDR 26, Deduct</i>	-48.98	
			<i>For SDR 19, Add</i>	24.05	
			<i>For SDR 17, Add</i>	59.38	
			<i>For SDR 15.5, Add</i>	86.95	
			<i>For SDR 13.5, Add</i>	135.72	
			<i>For SDR 11, Add</i>	218.45	
33 14	13 23-0459	EA	16" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	612.18	98.23
			<i>For SDR 26, Deduct</i>	-58.17	
			<i>For SDR 19, Add</i>	28.56	
			<i>For SDR 17, Add</i>	70.51	
			<i>For SDR 15.5, Add</i>	103.26	
			<i>For SDR 13.5, Add</i>	161.17	
			<i>For SDR 11, Add</i>	259.42	
33 14	13 23-0460	EA	18" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	784.19	114.44
			<i>For SDR 26, Deduct</i>	-80.82	
			<i>For SDR 19, Add</i>	39.68	
			<i>For SDR 17, Add</i>	97.97	
			<i>For SDR 15.5, Add</i>	143.48	
			<i>For SDR 13.5, Add</i>	223.94	
			<i>For SDR 11, Add</i>	360.45	
33 14	13 23-0461	EA	20" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	1,089.82	135.18
			<i>For SDR 26, Deduct</i>	-124.60	
			<i>For SDR 19, Add</i>	61.18	
			<i>For SDR 17, Add</i>	151.04	
			<i>For SDR 15.5, Add</i>	221.19	
			<i>For SDR 13.5, Add</i>	345.25	
			<i>For SDR 11, Add</i>	555.70	
33 14	13 23-0462	EA	24" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	1,409.76	163.86
			<i>For SDR 26, Deduct</i>	-168.38	
			<i>For SDR 19, Add</i>	82.67	
			<i>For SDR 17, Add</i>	204.11	
			<i>For SDR 15.5, Add</i>	298.91	
			<i>For SDR 13.5, Add</i>	466.55	
			<i>For SDR 11, Add</i>	750.94	





<b>Utilities</b>	<b>33</b>	<b>CS</b>
<b>Water Utilities</b>	<b>33 10</b>	
<b>Water Utility Transmission and Distribution</b>	<b>33 14</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>33 14 13 26</b>	<b>Galvanized Steel Public Water Utility Distribution Piping</b> <small>(33 14 13)</small> See CSI section 22 11 16 00-0013 for galvanized steel pipe.		
<b>33 14 13 36</b>	<b>Steel Public Water Utility Distribution Piping</b> <small>(33 14 13)</small>		
33 14 13 36-0001	Steel Piping <small>(33 14 13 36)</small>		
33 14 13 36-0002	Welded, Plain End, Uncoated Steel Piping <small>(33 14 13 36-0001)</small> Note: ASTM A252 steel pipe. See CSI section 33 14 13 43-0001 for pipe coatings, 33 14 13 43-0049 for pipe linings.		
33 14 13 36-0003	Up To 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Piping <small>(33 14 13 36-0002)</small>		
33 14 13 36-0004	LF 8" Diameter, 3/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	111.30	26.83
	For <100, Add	11.66	
	For >1,000, Deduct	-5.57	
33 14 13 36-0005	LF 8" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	133.80	26.83
	For <100, Add	12.79	
	For >1,000, Deduct	-6.69	
33 14 13 36-0006	LF 10" Diameter, 3/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	132.82	29.26
	For <100, Add	13.29	
	For >1,000, Deduct	-6.64	
33 14 13 36-0007	LF 10" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	161.25	29.26
	For <100, Add	14.71	
	For >1,000, Deduct	-8.06	
33 14 13 36-0008	LF 12" Diameter, 3/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	161.47	30.66
	For <100, Add	15.04	
	For >1,000, Deduct	-8.07	
33 14 13 36-0009	LF 12" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	183.59	30.66
	For <100, Add	16.15	
	For >1,000, Deduct	-9.18	
33 14 13 36-0010	LF 14" Diameter, 3/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	196.09	33.89
	For <100, Add	17.51	
	For >1,000, Deduct	-9.80	
33 14 13 36-0011	LF 14" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	213.77	33.89
	For <100, Add	18.39	
	For >1,000, Deduct	-10.69	
33 14 13 36-0012	LF 16" Diameter, 3/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	208.14	35.77
	For <100, Add	18.54	
	For >1,000, Deduct	-10.41	
33 14 13 36-0013	LF 16" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	221.79	35.77
	For <100, Add	19.22	
	For >1,000, Deduct	-11.09	
33 14 13 36-0014	LF 18" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	258.51	40.24
	For <100, Add	22.07	
	For >1,000, Deduct	-12.93	
33 14 13 36-0015	LF 20" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	280.88	40.24
	For <100, Add	23.19	
	For >1,000, Deduct	-14.04	
33 14 13 36-0016	5/16" To 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Piping <small>(33 14 13 36-0002)</small>		
33 14 13 36-0017	LF 12" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	224.21	53.32
	For <100, Add	19.59	
	For >1,000, Deduct	-11.21	
33 14 13 36-0018	LF 14" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	266.50	58.65
	For <100, Add	22.59	
	For >1,000, Deduct	-13.33	
33 14 13 36-0019	LF 16" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	296.33	61.31
	For <100, Add	24.59	
	For >1,000, Deduct	-14.82	
33 14 13 36-0020	LF 18" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	334.31	69.30
	For <100, Add	27.71	
	For >1,000, Deduct	-16.72	
33 14 13 36-0021	LF 18" Diameter, 3/8" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	349.48	69.30
	For <100, Add	28.47	
	For >1,000, Deduct	-17.47	
33 14 13 36-0022	LF 20" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	363.51	69.30
	For <100, Add	29.17	
	For >1,000, Deduct	-18.18	
33 14 13 36-0023	LF 20" Diameter, 3/8" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	379.69	69.30
	For <100, Add	29.98	
	For >1,000, Deduct	-18.98	
33 14 13 36-0024	LF 24" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	440.20	79.97
	For <100, Add	34.58	
	For >1,000, Deduct	-22.01	
33 14 13 36-0025	LF 24" Diameter, 3/8" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	490.25	79.97
	For <100, Add	37.08	
	For >1,000, Deduct	-24.51	
33 14 13 36-0026	LF 24" Diameter, 7/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	613.10	79.97
	For <100, Add	43.22	
	For >1,000, Deduct	-30.66	

**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 36-0027 LF 30" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	547.70	93.30
For <100, Add	42.05	
For >1,000, Deduct	-27.39	
33 14 13 36-0028 LF 30" Diameter, 3/8" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	568.17	93.30
For <100, Add	43.07	
For >1,000, Deduct	-28.41	
33 14 13 36-0029 LF 30" Diameter, 7/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	761.30	93.30
For <100, Add	52.73	
For >1,000, Deduct	-38.07	
33 14 13 36-0030 LF 36" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	653.87	93.30
For <100, Add	47.35	
For >1,000, Deduct	-32.69	
33 14 13 36-0031 LF 36" Diameter, 3/8" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	766.44	111.95
For <100, Add	55.92	
For >1,000, Deduct	-38.32	
33 14 13 36-0032 LF 36" Diameter, 7/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	916.22	111.95
For <100, Add	63.40	
For >1,000, Deduct	-45.81	
33 14 13 36-0033 LF 36" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	878.81	111.95
For <100, Add	61.53	
For >1,000, Deduct	-43.94	
33 14 13 36-0034 LF 42" Diameter, 7/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	1,350.01	125.28
For <100, Add	87.05	
For >1,000, Deduct	-67.50	
33 14 13 36-0035 LF 42" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	815.87	125.28
For <100, Add	60.34	
For >1,000, Deduct	-40.79	
33 14 13 36-0036 LF 48" Diameter, 7/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	1,548.30	141.28
For <100, Add	99.41	
For >1,000, Deduct	-77.42	
33 14 13 36-0037 LF 48" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	894.86	141.28
For <100, Add	66.73	
For >1,000, Deduct	-44.74	
33 14 13 36-0038 LF 54" Diameter, 7/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	1,621.06	159.94
For <100, Add	106.19	
For >1,000, Deduct	-81.05	
33 14 13 36-0039 LF 54" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	1,791.69	159.94
For <100, Add	114.72	
For >1,000, Deduct	-89.58	
33 14 13 36-0040 LF 60" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	2,002.89	186.59
For <100, Add	129.47	
For >1,000, Deduct	-100.14	
33 14 13 36-0041 LF 66" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	1,396.21	186.59
For <100, Add	99.13	
For >1,000, Deduct	-69.81	
33 14 13 36-0042 LF 72" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	1,539.93	153.17
For <100, Add	122.95	
For >1,000, Deduct	-77.00	
33 14 13 36-0043 LF 78" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	2,910.03	153.17
For <100, Add	191.45	
For >1,000, Deduct	-145.50	
<b>33 14 13 36-0044 Flexible Couplings (Dresser Style 38) (33 14 13 36-0001)</b>		
33 14 13 36-0045 EA 2" Dresser Coupling For Plain End Welded Steel Pipe.....	111.98	26.43
33 14 13 36-0046 EA 3" Dresser Coupling For Plain End Welded Steel Pipe.....	165.51	50.82
33 14 13 36-0047 EA 4" Dresser Coupling For Plain End Welded Steel Pipe.....	220.26	67.09
33 14 13 36-0048 EA 6" Dresser Coupling For Plain End Welded Steel Pipe.....	350.99	101.65
33 14 13 36-0049 EA 8" Dresser Coupling For Plain End Welded Steel Pipe.....	459.19	128.07
33 14 13 36-0050 EA 10" Dresser Coupling For Plain End Welded Steel Pipe.....	630.85	155.68
33 14 13 36-0051 EA 12" Dresser Coupling For Plain End Welded Steel Pipe.....	749.88	195.12
33 14 13 36-0052 EA 14" Dresser Coupling For Plain End Welded Steel Pipe.....	807.12	195.12
33 14 13 36-0053 EA 16" Dresser Coupling For Plain End Welded Steel Pipe.....	853.15	207.57
33 14 13 36-0054 EA 18" Dresser Coupling For Plain End Welded Steel Pipe.....	934.34	238.71
33 14 13 36-0055 EA 20" Dresser Coupling For Plain End Welded Steel Pipe.....	1,019.03	269.85
33 14 13 36-0056 EA 24" Dresser Coupling For Plain End Welded Steel Pipe.....	1,281.39	285.41
33 14 13 36-0057 EA 30" Dresser Coupling For Plain End Welded Steel Pipe.....	1,532.96	311.37
33 14 13 36-0058 EA 36" Dresser Coupling For Plain End Welded Steel Pipe.....	1,796.08	350.28
33 14 13 36-0059 EA 42" Dresser Coupling For Plain End Welded Steel Pipe.....	2,071.80	394.40
33 14 13 36-0060 EA 48" Dresser Coupling For Plain End Welded Steel Pipe.....	2,410.21	454.07
33 14 13 36-0061 EA 54" Dresser Coupling For Plain End Welded Steel Pipe.....	2,674.85	518.94
33 14 13 36-0062 EA 60" Dresser Coupling For Plain End Welded Steel Pipe.....	3,085.44	648.68
33 14 13 36-0063 EA 66" Dresser Coupling For Plain End Welded Steel Pipe.....	3,558.97	788.79
33 14 13 36-0064 EA 72" Dresser Coupling For Plain End Welded Steel Pipe.....	4,242.70	934.09
<b>33 14 13 39 Copper Public Water Utility Distribution Piping (33 14 13)</b>		
<b>33 14 13 39-0001 Type L Copper Water Distribution Piping (33 14 13 39)</b>		
33 14 13 39-0002 LF 1/2" Type L Copper Water Distribution Pipe.....	7.53	1.90
33 14 13 39-0003 LF 3/4" Type L Copper Water Distribution Pipe.....	9.65	2.13
33 14 13 39-0004 LF 1" Type L Copper Water Distribution Pipe.....	12.83	2.37
33 14 13 39-0005 LF 1-1/4" Type L Copper Water Distribution Pipe.....	16.16	2.84
33 14 13 39-0006 LF 1-1/2" Type L Copper Water Distribution Pipe.....	20.00	3.79



<b>Utilities</b>	<b>33</b>	<b>CS</b>
<b>Water Utilities</b>	<b>33 10</b>	
<b>Water Utility Transmission and Distribution</b>	<b>33 14</b>	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 39-0007	LF	2" Type L Copper Water Distribution Pipe .....	29.53	4.73
33 14 13 39-0008	LF	2-1/2" Type L Copper Water Distribution Pipe .....	37.09	5.69
33 14 13 39-0009	LF	3" Type L Copper Water Distribution Pipe .....	46.86	6.25
33 14 13 39-0010	LF	3-1/2" Type L Copper Water Distribution Pipe .....	62.87	7.87
33 14 13 39-0011	LF	4" Type L Copper Water Distribution Pipe .....	83.19	9.94
33 14 13 39-0012	LF	5" Type L Copper Water Distribution Pipe .....	135.53	12.41
33 14 13 39-0013	LF	6" Type L Copper Water Distribution Pipe .....	175.49	14.97
33 14 13 39-0014	LF	8" Type L Copper Water Distribution Pipe .....	306.01	16.76
<b>33 14 13 39-0015</b>		<b>Type K Copper Water Distribution Piping (33 14 13 39)</b>		
33 14 13 39-0016	LF	1/2" Type K Copper Water Distribution Pipe .....	8.06	1.90
33 14 13 39-0017	LF	3/4" Type K Copper Water Distribution Pipe .....	11.55	2.13
33 14 13 39-0018	LF	1" Type K Copper Water Distribution Pipe .....	14.72	2.87
33 14 13 39-0019	LF	1-1/4" Type K Copper Water Distribution Pipe .....	17.32	2.84
33 14 13 39-0020	LF	1-1/2" Type K Copper Water Distribution Pipe .....	21.73	3.79
33 14 13 39-0021	LF	2" Type K Copper Water Distribution Pipe .....	31.85	4.73
33 14 13 39-0022	LF	2-1/2" Type K Copper Water Distribution Pipe .....	43.53	5.69
33 14 13 39-0023	LF	3" Type K Copper Water Distribution Pipe .....	56.52	6.25
33 14 13 39-0024	LF	3-1/2" Type K Copper Water Distribution Pipe .....	74.22	7.87
33 14 13 39-0025	LF	4" Type K Copper Water Distribution Pipe .....	100.42	9.94
33 14 13 39-0026	LF	5" Type K Copper Water Distribution Pipe .....	171.19	12.41
33 14 13 39-0027	LF	6" Type K Copper Water Distribution Pipe .....	239.62	14.97
33 14 13 39-0028	LF	8" Type K Copper Water Distribution Pipe .....	424.36	16.76
<b>33 14 13 43</b>		<b>Public Water Utility Distribution Piping Coatings and Wraps (33 14 13)</b>		
<b>33 14 13 43-0001</b>		<b>Pipe Coatings (33 14 13 43)</b>		
<b>33 14 13 43-0002</b>		<b>Epoxy Wrap And Pipe Coating (33 14 13 43-0001)</b>		
		Note: Applied at fabrication shop.		
33 14 13 43-0003	LF	12" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating .....	4.40	
33 14 13 43-0004	LF	14" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating .....	5.85	
33 14 13 43-0005	LF	16" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating .....	6.68	
33 14 13 43-0006	LF	18" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating .....	7.02	
33 14 13 43-0007	LF	20" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating .....	7.56	
33 14 13 43-0008	LF	24" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating .....	8.81	
33 14 13 43-0009	LF	30" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating .....	11.56	
33 14 13 43-0010	LF	36" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating .....	18.27	
33 14 13 43-0011	LF	42" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating .....	39.38	
33 14 13 43-0012	LF	48" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating .....	45.01	
33 14 13 43-0013	LF	54" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating .....	50.63	
33 14 13 43-0014	LF	60" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating .....	56.26	
33 14 13 43-0015	LF	66" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating .....	61.89	
33 14 13 43-0016	LF	72" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating .....	67.48	
33 14 13 43-0017	LF	78" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating .....	73.14	
<b>33 14 13 43-0018</b>		<b>Cement Coating With Fiberglass Or Wire Mesh Reinforcing (33 14 13 43-0001)</b>		
		Note: Applied at fabrication shop. Thickness ranging between 1" and 2".		
33 14 13 43-0019	LF	4" Diameter Cement Coated Pipe 1" To 2" Mesh .....	9.80	
		Note: Reinforcing applied at fabrication shop.		
33 14 13 43-0020	LF	6" Diameter Cement Coated Pipe 1" To 2" Mesh .....	12.06	
		Note: Reinforcing applied at fabrication shop.		
33 14 13 43-0021	LF	8" Diameter Cement Coated Pipe 1" To 2" Mesh .....	15.08	
		Note: Reinforcing applied at fabrication shop.		
33 14 13 43-0022	LF	10" Diameter Cement Coated Pipe 1" To 2" Mesh .....	16.80	
		Note: Reinforcing applied at fabrication shop.		
33 14 13 43-0023	LF	12" Diameter Cement Coated Pipe 1" To 2" Mesh .....	18.97	
		Note: Reinforcing applied at fabrication shop.		
33 14 13 43-0024	LF	14" Diameter Cement Coated Pipe 1" To 2" Mesh .....	22.20	
		Note: Reinforcing applied at fabrication shop.		
33 14 13 43-0025	LF	16" Diameter Cement Coated Pipe 1" To 2" Mesh .....	25.22	
		Note: Reinforcing applied at fabrication shop.		
33 14 13 43-0026	LF	18" Diameter Cement Coated Pipe 1" To 2" Mesh .....	28.46	
		Note: Reinforcing applied at fabrication shop.		
33 14 13 43-0027	LF	20" Diameter Cement Coated Pipe 1" To 2" Mesh .....	31.63	
		Note: Reinforcing applied at fabrication shop.		
33 14 13 43-0028	LF	24" Diameter Cement Coated Pipe 1" To 2" Mesh .....	37.94	
		Note: Reinforcing applied at fabrication shop.		
33 14 13 43-0029	LF	30" Diameter Cement Coated Pipe 1" To 2" Mesh .....	47.43	
		Note: Reinforcing applied at fabrication shop.		
33 14 13 43-0030	LF	36" Diameter Cement Coated Pipe 1" To 2" Mesh .....	56.91	
		Note: Reinforcing applied at fabrication shop.		
33 14 13 43-0031	LF	42" Diameter Cement Coated Pipe 1" To 2" Mesh .....	25.10	
		Note: Reinforcing applied at fabrication shop.		
33 14 13 43-0032	LF	48" Diameter Cement Coated Pipe 1" To 2" Mesh .....	28.68	
		Note: Reinforcing applied at fabrication shop.		
33 14 13 43-0033	LF	54" Diameter Cement Coated Pipe 1" To 2" Mesh .....	32.27	
		Note: Reinforcing applied at fabrication shop.		
33 14 13 43-0034	LF	60" Diameter Cement Coated Pipe 1" To 2" Mesh .....	35.85	
		Note: Reinforcing applied at fabrication shop.		

**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 43-0035 LF 66" Diameter Cement Coated Pipe 1" To 2" Mesh ..... Note: Reinforcing applied at fabrication shop.	39.44	
33 14 13 43-0036 LF 72" Diameter Cement Coated Pipe 1" To 2" Mesh ..... Note: Reinforcing applied at fabrication shop.	43.02	
33 14 13 43-0037 LF 78" Diameter Cement Coated Pipe 1" To 2" Mesh ..... Note: Reinforcing applied at fabrication shop.	46.61	
<b>33 14 13 43-0038 Epoxy Wrap And Fitting Coating</b> (33 14 13 43-0001) Note: Applied at fabrication shop.		
33 14 13 43-0039 EA 4" Outside Diameter, Epoxy Wrap And Fitting Coating..... <i>For 1/2" Thick, Add</i>	9.82 0.47	
33 14 13 43-0040 EA 6" Outside Diameter, Epoxy Wrap And Fitting Coating..... <i>For 1/2" Thick, Add</i>	12.48 0.63	
33 14 13 43-0041 EA 8" Outside Diameter, Epoxy Wrap And Fitting Coating..... <i>For 1/2" Thick, Add</i>	18.09 0.82	
33 14 13 43-0042 EA 10" Outside Diameter, Epoxy Wrap And Fitting Coating..... <i>For 1/2" Thick, Add</i>	30.25 1.19	
33 14 13 43-0043 EA 12" Outside Diameter, Epoxy Wrap And Fitting Coating..... <i>For 1/2" Thick, Add</i>	46.16 1.76	
33 14 13 43-0044 EA 14" Outside Diameter, Epoxy Wrap And Fitting Coating..... <i>For 1/2" Thick, Add</i>	72.29 2.69	
33 14 13 43-0045 EA 16" Outside Diameter, Epoxy Wrap And Fitting Coating..... <i>For 1/2" Thick, Add</i>	110.73 3.47	
33 14 13 43-0046 EA 18" Outside Diameter, Epoxy Wrap And Fitting Coating..... <i>For 1/2" Thick, Add</i>	149.92 3.58	
33 14 13 43-0047 EA 20" Outside Diameter, Epoxy Wrap And Fitting Coating..... <i>For 1/2" Thick, Add</i>	204.08 4.28	
33 14 13 43-0048 EA 24" Outside Diameter, Epoxy Wrap And Fitting Coating..... <i>For 1/2" Thick, Add</i>	296.68 5.99	
<b>33 14 13 43-0049 Cement Pipe Lining</b> (33 14 13 43)		
<b>33 14 13 43-0050 Cement Pipe Lining</b> (33 14 13 43-0049) Note: Shop applied.		
33 14 13 43-0051 LF 4" Outside Diameter, 1/4" Thick Cement Pipe Lining..... <i>For 1/2" Thick, Add</i>	14.00 1.31	
33 14 13 43-0052 LF 6" Outside Diameter, 1/4" Thick Cement Pipe Lining..... <i>For 1/2" Thick, Add</i>	17.38 1.61	
33 14 13 43-0053 LF 8" Outside Diameter, 1/4" Thick Cement Pipe Lining..... <i>For 1/2" Thick, Add</i>	21.25 2.01	
33 14 13 43-0054 LF 10" Outside Diameter, 1/4" Thick Cement Pipe Lining..... <i>For 1/2" Thick, Add</i>	27.51 2.51	
33 14 13 43-0055 LF 12" Outside Diameter, 1/4" Thick Cement Pipe Lining..... <i>For 1/2" Thick, Add</i>	33.78 3.02	
33 14 13 43-0056 LF 14" Outside Diameter, 1/4" Thick Cement Pipe Lining..... <i>For 1/2" Thick, Add</i>	42.90 3.54	
33 14 13 43-0057 LF 16" Outside Diameter, 1/4" Thick Cement Pipe Lining..... <i>For 1/2" Thick, Add</i>	55.12 4.02	
33 14 13 43-0058 LF 18" Outside Diameter, 5/16" Thick Cement Pipe Lining..... <i>For 1/2" Thick, Add</i>	65.62 3.85	
33 14 13 43-0059 LF 20" Outside Diameter, 5/16" Thick Cement Pipe Lining..... <i>For 1/2" Thick, Add</i>	78.89 4.28	
33 14 13 43-0060 LF 24" Outside Diameter, 5/16" Thick Cement Pipe Lining..... <i>For 1/2" Thick, Add</i>	95.59 5.14	
33 14 13 43-0061 LF 30" Outside Diameter, 5/16" Thick Cement Pipe Lining..... <i>For 1/2" Thick, Add</i>	115.29 6.42	
33 14 13 43-0062 LF 36" Outside Diameter, 5/16" Thick Cement Pipe Lining..... <i>For 1/2" Thick, Add</i>	138.71 7.71	
33 14 13 43-0063 LF 42" Outside Diameter, 3/8" Thick Cement Pipe Lining..... <i>For 1/2" Thick, Add</i>	161.87 6.61	
33 14 13 43-0064 LF 48" Outside Diameter, 3/8" Thick Cement Pipe Lining..... <i>For 1/2" Thick, Add</i>	184.93 7.56	
33 14 13 43-0065 LF 54" Outside Diameter, 3/8" Thick Cement Pipe Lining..... <i>For 1/2" Thick, Add</i>	208.07 8.50	
33 14 13 43-0066 LF 60" Outside Diameter, 3/8" Thick Cement Pipe Lining..... <i>For 1/2" Thick, Add</i>	231.23 9.45	
33 14 13 43-0067 LF 66" Outside Diameter, 7/16" Thick Cement Pipe Lining..... <i>For 1/2" Thick, Add</i>	254.28 5.54	
33 14 13 43-0068 LF 72" Outside Diameter, 7/16" Thick Cement Pipe Lining..... <i>For 1/2" Thick, Add</i>	277.43 6.05	
33 14 13 43-0069 LF 78" Outside Diameter, 7/16" Thick Cement Pipe Lining..... <i>For 1/2" Thick, Add</i>	300.59 6.55	
<b>33 14 13 43-0070 Cement Fitting Lining</b> (33 14 13 43-0049) Note: Shop applied.		
33 14 13 43-0071 EA 4" Outside Diameter, 1/4" Thick Cement Fitting Lining..... <i>For 1/2" Thick, Add</i>	15.01 1.51	
33 14 13 43-0072 EA 6" Outside Diameter, 1/4" Thick Cement Fitting Lining..... <i>For 1/2" Thick, Add</i>	19.39 2.01	
33 14 13 43-0073 EA 8" Outside Diameter, 1/4" Thick Cement Fitting Lining..... <i>For 1/2" Thick, Add</i>	27.08 2.61	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 43-0074 EA 10" Outside Diameter, 1/4" Thick Cement Fitting Lining <i>For 1/2" Thick, Add</i>	44.39 4.02	
33 14 13 43-0075 EA 12" Outside Diameter, 1/4" Thick Cement Fitting Lining <i>For 1/2" Thick, Add</i>	67.58 6.05	
33 14 13 43-0076 EA 14" Outside Diameter, 1/4" Thick Cement Fitting Lining <i>For 1/2" Thick, Add</i>	99.51 8.14	
33 14 13 43-0077 EA 16" Outside Diameter, 1/4" Thick Cement Fitting Lining <i>For 1/2" Thick, Add</i>	145.62 10.45	
33 14 13 43-0078 EA 18" Outside Diameter, 5/16" Thick Cement Fittings Lining <i>For 1/2" Thick, Add</i>	196.87 11.56	
33 14 13 43-0079 EA 20" Outside Diameter, 5/16" Thick Cement Fitting Lining <i>For 1/2" Thick, Add</i>	262.82 14.26	
33 14 13 43-0080 EA 24" Outside Diameter, 5/16" Thick Cement Fitting Lining <i>For 1/2" Thick, Add</i>	382.36 20.55	
<b>33 14 13 43-0081 8 Mil Polyethylene Encasement Tubing (33 14 13 43)</b>		
Note: ANSI/AWWA C105/A21.5-99 section 4.2.		
33 14 13 43-0082 LF 3" To 8" Diameter, 8 Mil Polyethylene Encasement Tubing	1.72	
33 14 13 43-0083 LF 10" To 12" Diameter, 8 Mil Polyethylene Encasement Tubing	2.77	
33 14 13 43-0084 LF 14" To 16" Diameter, 8 Mil Polyethylene Encasement Tubing	3.33	
33 14 13 43-0085 LF 18" To 20" Diameter, 8 Mil Polyethylene Encasement Tubing	4.17	
33 14 13 43-0086 LF 24" Diameter, 8 Mil Polyethylene Encasement Tubing	5.64	
33 14 13 43-0087 LF 30" Diameter, 8 Mil Polyethylene Encasement Tubing	7.22	
33 14 13 43-0088 LF 36" To 42" Diameter, 8 Mil Polyethylene Encasement Tubing	9.22	
33 14 13 43-0089 LF 48" Diameter, 8 Mil Polyethylene Encasement Tubing	10.98	
33 14 13 43-0090 LF 54" Diameter, 8 Mil Polyethylene Encasement Tubing	12.93	
33 14 13 43-0091 LF 60" Diameter, 8 Mil Polyethylene Encasement Tubing	13.82	
<b>33 14 13 53 Public Water Utility Distribution Piping Saddles And Adapters (33 14 13)</b>		
<b>33 14 13 53-0001 Double Stud Stainless Steel Service Saddles (33 14 13 53)</b>		
Note: 1/2" listed taps are compression, 3/4" to 2" are either compression or NPT.		
33 14 13 53-0002 EA 4" Diameter x 1/2", 3/4" Or 1" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	254.82	
33 14 13 53-0003 EA 4" Diameter x 1-1/4" Or 1-1/2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	359.40	
33 14 13 53-0004 EA 4" Diameter x 2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	371.10	
33 14 13 53-0005 EA 6" Diameter x 1/2", 3/4" Or 1" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	305.68	
33 14 13 53-0006 EA 6" Diameter x 1-1/4", 1-1/2" Or 2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	384.84	
33 14 13 53-0007 EA 8" Diameter x 1/2", 3/4" Or 1" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	319.31	
33 14 13 53-0008 EA 8" Diameter x 1-1/4", 1-1/2" Or 2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	402.93	
33 14 13 53-0009 EA 10" Diameter x 1/2", 3/4" Or 1" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	359.88	
33 14 13 53-0010 EA 10" Diameter x 1-1/4", 1-1/2" Or 2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	424.46	
33 14 13 53-0011 EA 12" Diameter x 1/2", 3/4" Or 1" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	375.21	
33 14 13 53-0012 EA 12" Diameter x 1-1/4", 1-1/2" Or 2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	435.81	
<b>33 14 13 53-0013 Double Bale Epoxy Coated Ductile Iron Body Service Saddles (33 14 13 53)</b>		
Note: Electro-galvanized steel bales. 5/8" listed taps are compression. 3/4" to 2" are either compression or NPT. 2-1/2", 3" or 4" are NPT.		
33 14 13 53-0014 EA 1-1/4" To 1-1/2" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	212.30	
33 14 13 53-0015 EA 2" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	212.45	
33 14 13 53-0016 EA 2" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	226.01	
33 14 13 53-0017 EA 2-1/2" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	216.06	
33 14 13 53-0018 EA 3" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	231.17	
33 14 13 53-0019 EA 3" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	255.87	
33 14 13 53-0020 EA 3" Diameter x 2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	272.14	
33 14 13 53-0021 EA 4" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	248.77	
33 14 13 53-0022 EA 4" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	273.67	
33 14 13 53-0023 EA 4" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	287.55	
33 14 13 53-0024 EA 5" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	262.46	
33 14 13 53-0025 EA 5" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	288.17	
33 14 13 53-0026 EA 5" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	301.98	
33 14 13 53-0027 EA 6" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	276.64	
33 14 13 53-0028 EA 6" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	301.60	
33 14 13 53-0029 EA 6" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	315.22	
33 14 13 53-0030 EA 6" Diameter x 3" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	463.06	
33 14 13 53-0031 EA 6" Diameter x 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	474.78	
33 14 13 53-0032 EA 8" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	299.68	
33 14 13 53-0033 EA 8" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	329.87	
33 14 13 53-0034 EA 8" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	342.49	
33 14 13 53-0035 EA 8" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	548.59	
33 14 13 53-0036 EA 10" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	335.75	
33 14 13 53-0037 EA 10" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	372.00	
33 14 13 53-0038 EA 10" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	612.88	
33 14 13 53-0039 EA 12" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	365.39	
33 14 13 53-0040 EA 12" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	403.76	
33 14 13 53-0041 EA 12" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	418.18	
33 14 13 53-0042 EA 12" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	684.32	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 53-0043 EA 14" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313) .....	426.89	
33 14 13 53-0044 EA 14" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313) .....	456.90	
33 14 13 53-0045 EA 14" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313) .....	492.10	
33 14 13 53-0046 EA 14" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313) .....	841.81	
33 14 13 53-0047 EA 15" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313) .....	438.59	
33 14 13 53-0048 EA 15" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313) .....	499.72	
33 14 13 53-0049 EA 15" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313) .....	520.52	
33 14 13 53-0050 EA 15" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313) .....	904.91	
33 14 13 53-0051 EA 16" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313) .....	458.29	
33 14 13 53-0052 EA 16" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313) .....	521.66	
33 14 13 53-0053 EA 16" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313) .....	543.02	
33 14 13 53-0054 EA 16" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313) .....	941.69	
33 14 13 53-0055 EA 18" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313) .....	507.51	
33 14 13 53-0056 EA 18" Diameter x 1-1/4" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313) .....	587.11	
33 14 13 53-0057 EA 20" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313) .....	578.77	
33 14 13 53-0058 EA 20" Diameter x 1-1/4" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313) .....	640.81	
33 14 13 53-0059 EA 24" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313) .....	604.49	
33 14 13 53-0060 EA 24" Diameter x 1-1/4" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313) .....	682.65	
<b>33 14 13 53-0061 Double Bale Bronze Service Saddles (33 14 13 53)</b>		
33 14 13 53-0062 EA 4" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B) .....	294.32	
33 14 13 53-0063 EA 4" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B) .....	321.87	
33 14 13 53-0064 EA 6" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B) .....	334.66	
33 14 13 53-0065 EA 6" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B) .....	362.48	
33 14 13 53-0066 EA 8" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B) .....	373.09	
33 14 13 53-0067 EA 8" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B) .....	392.11	
33 14 13 53-0068 EA 10" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B) .....	361.38	
33 14 13 53-0069 EA 10" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B) .....	384.41	
33 14 13 53-0070 EA 12" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B) .....	459.07	
33 14 13 53-0071 EA 12" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B) .....	496.56	
33 14 13 53-0072 EA 14" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B) .....	691.89	
33 14 13 53-0073 EA 14" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B) .....	781.85	
33 14 13 53-0074 EA 16" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B) .....	804.87	
33 14 13 53-0075 EA 16" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B) .....	898.63	
<b>33 14 13 53-0076 Stainless Steel Double Straps, Bronze Body Service Saddle (33 14 13 53)</b>		
Note: Taps are compression or NPT.		
33 14 13 53-0077 EA 4" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S) .....	309.39	
33 14 13 53-0078 EA 4" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S) .....	340.89	
33 14 13 53-0079 EA 6" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S) .....	352.46	
33 14 13 53-0080 EA 6" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S) .....	382.81	
33 14 13 53-0081 EA 8" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S) .....	395.09	
33 14 13 53-0082 EA 8" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S) .....	415.29	
33 14 13 53-0083 EA 10" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S) .....	445.25	
33 14 13 53-0084 EA 10" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S) .....	476.56	
33 14 13 53-0085 EA 12" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S) .....	479.23	
33 14 13 53-0086 EA 12" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S) .....	519.32	
33 14 13 53-0087 EA 14" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S) .....	741.85	
33 14 13 53-0088 EA 14" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S) .....	852.50	
33 14 13 53-0089 EA 16" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S) .....	864.15	
33 14 13 53-0090 EA 16" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S) .....	941.65	
33 14 13 53-0091 EA 18" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S) .....	1,849.30	
33 14 13 53-0092 EA 18" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S) .....	1,849.30	
33 14 13 53-0093 EA 20" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S) .....	1,918.62	
33 14 13 53-0094 EA 20" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S) .....	1,918.62	
33 14 13 53-0095 EA 24" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S) .....	2,059.63	
33 14 13 53-0096 EA 24" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S) .....	2,059.63	
<b>33 14 13 53-0097 Ductile Iron Mechanical Joint Tapping Sleeve (33 14 13 53)</b>		
33 14 13 53-0098 EA 4" Diameter x 4" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615) .....	1,385.50	
33 14 13 53-0099 EA 6" Diameter x 4" Or 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615) .....	1,672.69	
33 14 13 53-0100 EA 8" Diameter x 4" Or 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615) .....	2,000.52	
33 14 13 53-0101 EA 8" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615) .....	2,117.48	
33 14 13 53-0102 EA 10" Diameter x 4" Or 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615) .....	3,226.70	
33 14 13 53-0103 EA 10" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615) .....	3,390.47	
33 14 13 53-0104 EA 10" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615) .....	3,460.57	
33 14 13 53-0105 EA 12" Diameter x 4" Or 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615) .....	3,402.30	
33 14 13 53-0106 EA 12" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615) .....	3,565.41	
33 14 13 53-0107 EA 12" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615) .....	3,963.26	
33 14 13 53-0108 EA 12" Diameter x 12" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615) .....	4,064.03	
33 14 13 53-0109 EA 14" Diameter x 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615) .....	6,816.13	
33 14 13 53-0110 EA 14" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615) .....	7,000.48	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 53-0111	EA			14" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615) .....	7,083.21	
33 14 13 53-0112	EA			14" Diameter x 12" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615) .....	7,118.64	
33 14 13 53-0113	EA			14" Diameter x 14" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615) .....	7,379.92	
33 14 13 53-0114	EA			16" Diameter x 4" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615) .....	7,367.82	
33 14 13 53-0115	EA			16" Diameter x 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615) .....	7,391.24	
33 14 13 53-0116	EA			16" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615) .....	7,597.27	
33 14 13 53-0117	EA			16" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615) .....	7,645.65	
33 14 13 53-0118	EA			16" Diameter x 12" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615) .....	7,698.92	
33 14 13 53-0119	EA			16" Diameter x 14" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615) .....	11,824.78	
33 14 13 53-0120	EA			16" Diameter x 16" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615) .....	8,074.90	
33 14 13 53-0121	EA			18" Diameter x 4" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615) .....	10,261.20	
33 14 13 53-0122	EA			18" Diameter x 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615) .....	10,726.76	
33 14 13 53-0123	EA			18" Diameter x 8", 10", 12" Or 16" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615) .....	10,857.22	
33 14 13 53-0124	EA			18" Diameter x 18" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615) .....	11,252.70	
33 14 13 53-0125	EA			20" Diameter x 4" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615) .....	9,595.30	
33 14 13 53-0126	EA			20" Diameter x 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615) .....	9,241.16	
33 14 13 53-0127	EA			20" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615) .....	9,418.57	
33 14 13 53-0128	EA			20" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615) .....	9,487.69	
33 14 13 53-0129	EA			20" Diameter x 12" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615) .....	9,833.05	
33 14 13 53-0130	EA			20" Diameter x 14" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615) .....	13,313.47	
33 14 13 53-0131	EA			20" Diameter x 16", 18" Or 20" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615) .....	13,571.93	
33 14 13 53-0132	EA			24" Diameter x 4", 6" Or 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615) .....	11,597.98	
33 14 13 53-0133	EA			24" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615) .....	11,758.12	
33 14 13 53-0134	EA			24" Diameter x 12" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615) .....	11,803.91	
33 14 13 53-0135	EA			24" Diameter x 14" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615) .....	16,368.81	
33 14 13 53-0136	EA			24" Diameter x 16" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615) .....	16,579.59	
33 14 13 53-0137	EA			24" Diameter x 18" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615) .....	16,626.42	
33 14 13 53-0138	EA			24" Diameter x 20" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615) .....	17,083.10	
33 14 13 53-0139	EA			24" Diameter x 24" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615) .....	17,299.78	

**33 14 13 53-0140 Carbon Steel Epoxy Coated Flange, Stainless Steel Tapping Sleeve (33 14 13 53)**

33 14 13 53-0141	EA			4" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662) .....	1,142.28	
33 14 13 53-0142	EA			6" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662) .....	1,211.44	
33 14 13 53-0143	EA			6" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662) .....	1,325.65	
33 14 13 53-0144	EA			8" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662) .....	1,362.63	
33 14 13 53-0145	EA			8" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662) .....	1,419.33	
33 14 13 53-0146	EA			8" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662) .....	1,633.09	
33 14 13 53-0147	EA			10" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662) .....	1,486.50	
33 14 13 53-0148	EA			10" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662) .....	1,541.68	
33 14 13 53-0149	EA			10" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662) .....	1,729.54	
33 14 13 53-0150	EA			10" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662) .....	2,398.66	
33 14 13 53-0151	EA			12" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662) .....	1,670.22	
33 14 13 53-0152	EA			12" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662) .....	1,751.40	
33 14 13 53-0153	EA			12" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662) .....	1,936.24	
33 14 13 53-0154	EA			12" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662) .....	2,535.62	
33 14 13 53-0155	EA			12" Diameter x 12" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662) .....	2,767.52	
33 14 13 53-0156	EA			14" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662) .....	2,200.82	
33 14 13 53-0157	EA			14" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662) .....	2,267.88	
33 14 13 53-0158	EA			14" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662) .....	2,665.15	
33 14 13 53-0159	EA			14" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662) .....	3,157.80	
33 14 13 53-0160	EA			14" Diameter x 12" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662) .....	3,477.98	
33 14 13 53-0161	EA			16" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662) .....	2,615.81	
33 14 13 53-0162	EA			16" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662) .....	2,685.07	
33 14 13 53-0163	EA			16" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662) .....	2,947.87	
33 14 13 53-0164	EA			16" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662) .....	3,652.72	
33 14 13 53-0165	EA			16" Diameter x 12" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662) .....	3,818.90	
33 14 13 53-0166	EA			18" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662) .....	2,769.97	
33 14 13 53-0167	EA			18" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662) .....	2,895.86	
33 14 13 53-0168	EA			18" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662) .....	3,070.94	
33 14 13 53-0169	EA			18" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662) .....	3,900.45	
33 14 13 53-0170	EA			18" Diameter x 12" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662) .....	4,066.44	
33 14 13 53-0171	EA			20" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662) .....	3,346.83	
33 14 13 53-0172	EA			20" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662) .....	3,415.92	
33 14 13 53-0173	EA			20" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662) .....	3,809.50	
33 14 13 53-0174	EA			20" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662) .....	4,475.38	
33 14 13 53-0175	EA			20" Diameter x 12" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662) .....	4,757.63	
33 14 13 53-0176	EA			24" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662) .....	3,610.06	
33 14 13 53-0177	EA			24" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662) .....	3,762.12	
33 14 13 53-0178	EA			24" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662) .....	3,967.64	
33 14 13 53-0179	EA			24" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662) .....	4,912.97	
33 14 13 53-0180	EA			24" Diameter x 12" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662) .....	5,086.06	

**33 14 13 53-0181 Stainless Steel Flange, Stainless Steel Tapping Sleeve (33 14 13 53)**

33 14 13 53-0182	EA			4" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663) .....	1,323.33	
33 14 13 53-0183	EA			6" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663) .....	1,440.11	
33 14 13 53-0184	EA			6" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663) .....	1,524.91	
33 14 13 53-0185	EA			8" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663) .....	1,553.91	
33 14 13 53-0186	EA			8" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663) .....	1,651.69	
33 14 13 53-0187	EA			8" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663) .....	1,944.81	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 14 13 53-0188	EA	10" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,782.63	
33 14 13 53-0189	EA	10" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,891.10	
33 14 13 53-0190	EA	10" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,153.79	
33 14 13 53-0191	EA	10" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,914.11	
33 14 13 53-0192	EA	12" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,033.76	
33 14 13 53-0193	EA	12" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,181.82	
33 14 13 53-0194	EA	12" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,529.00	
33 14 13 53-0195	EA	12" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,981.51	
33 14 13 53-0196	EA	12" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,327.33	
33 14 13 53-0197	EA	14" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,320.60	
33 14 13 53-0198	EA	14" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,502.34	
33 14 13 53-0199	EA	14" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,893.35	
33 14 13 53-0200	EA	14" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,346.29	
33 14 13 53-0201	EA	14" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,585.60	
33 14 13 53-0202	EA	16" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,833.39	
33 14 13 53-0203	EA	16" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,082.05	
33 14 13 53-0204	EA	16" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,271.39	
33 14 13 53-0205	EA	16" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,758.44	
33 14 13 53-0206	EA	16" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	4,088.67	
33 14 13 53-0207	EA	18" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,121.16	
33 14 13 53-0208	EA	18" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,493.07	
33 14 13 53-0209	EA	18" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,690.70	
33 14 13 53-0210	EA	18" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	4,118.63	
33 14 13 53-0211	EA	18" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	4,684.96	
33 14 13 53-0212	EA	20" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,367.57	
33 14 13 53-0213	EA	20" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,738.50	
33 14 13 53-0214	EA	20" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,898.98	
33 14 13 53-0215	EA	20" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	4,695.77	
33 14 13 53-0216	EA	20" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	5,139.04	
33 14 13 53-0217	EA	24" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,993.07	
33 14 13 53-0218	EA	24" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	4,045.39	
33 14 13 53-0219	EA	24" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	4,237.94	
33 14 13 53-0220	EA	24" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	5,189.13	
33 14 13 53-0221	EA	24" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	5,696.56	

### 33 14 13 53-0222 Ductile Iron Body, Flanged Coupling Adapter (33 14 13 53)

33 14 13 53-0223	EA	3" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912)	328.19	59.46
33 14 13 53-0224	EA	4" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912)	411.18	74.97
33 14 13 53-0225	EA	6" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912)	540.47	103.40
33 14 13 53-0226	EA	8" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912)	700.96	121.50
33 14 13 53-0227	EA	10" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912)	1,103.08	137.01
33 14 13 53-0228	EA	12" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912)	1,232.22	155.10

### 33 14 13 53-0229 Steel Body, Flanged Coupling Adapter (33 14 13 53)

33 14 13 53-0230	EA	3" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	480.05	59.46
33 14 13 53-0231	EA	4" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	567.44	74.97
33 14 13 53-0232	EA	6" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	757.53	103.40
33 14 13 53-0233	EA	8" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	926.87	121.50
33 14 13 53-0234	EA	10" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	1,132.06	137.01
33 14 13 53-0235	EA	12" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	1,319.37	155.10
33 14 13 53-0236	EA	14" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	1,568.10	170.61
33 14 13 53-0237	EA	16" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	1,857.85	186.12
33 14 13 53-0238	EA	18" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	2,194.70	204.73
33 14 13 53-0239	EA	20" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	2,594.22	225.21

### 33 14 13 53-0240 Steel Body, Flanged-Lock Restrained Coupling Adapters (33 14 13 53)

33 14 13 53-0241	EA	4" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	421.34	74.97
33 14 13 53-0242	EA	6" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	565.54	103.40
33 14 13 53-0243	EA	8" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	625.94	121.50
33 14 13 53-0244	EA	10" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	915.52	137.01
33 14 13 53-0245	EA	12" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	1,166.83	155.10
33 14 13 53-0246	EA	14" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	1,308.87	170.61
33 14 13 53-0247	EA	16" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	1,539.13	186.12
33 14 13 53-0248	EA	18" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	1,727.42	204.73
33 14 13 53-0249	EA	20" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	2,076.82	225.21
33 14 13 53-0250	EA	24" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	2,502.73	247.75
33 14 13 53-0251	EA	30" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	5,222.25	272.46
33 14 13 53-0252	EA	36" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	7,050.54	299.76

### 33 14 13 53-0253 Ductile Iron Body, Omni Coupling System (33 14 13 53)

33 14 13 53-0254	EA	2" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	147.81	41.36
33 14 13 53-0255	EA	2-1/2" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	182.40	49.11
33 14 13 53-0256	EA	3" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	225.86	59.46
33 14 13 53-0257	EA	4" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	283.62	74.97
33 14 13 53-0258	EA	6" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	378.28	103.40
33 14 13 53-0259	EA	8" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	459.74	121.50





<b>Utilities</b>	<b>33</b>	<b>CS</b>
<b>Water Utilities</b>	<b>33 10</b>	
<b>Water Utility Transmission and Distribution</b>	<b>33 14</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 53-0260 EA 10" Ductile Iron Body, Omni Coupling System (Smith-Blair 441).....	574.94	137.01
33 14 13 53-0261 EA 12" Ductile Iron Body, Omni Coupling System (Smith-Blair 441).....	672.56	155.10
33 14 13 53-0262 EA 14" Ductile Iron Body, Omni Coupling System (Smith-Blair 441).....	947.42	170.61
33 14 13 53-0263 EA 16" Ductile Iron Body, Omni Coupling System (Smith-Blair 441).....	1,182.92	186.12

**33 14 19 Valves and Hydrants for Water Utility Service (33 14)**

Note: Flanged valves excludes bolt and gasket set. Excludes excavation and backfill.

**33 14 19 00-0001 Accessories For Valves (33 14 19)**

33 14 19 00-0002 EA 1" Valve Extension Stem.....	113.77	
<i>For Each Additional LF, Add</i>		
	8.37	
33 14 19 00-0003 EA Up to 80" Long Indicator Post Telescoping Barrel Assembly.....	1,626.33	101.65
<i>Note: Excludes valve.</i>		
33 14 19 00-0004 EA >80" To 114" Long Indicator Post Telescoping Barrel Assembly.....	1,845.37	111.82
<i>Note: Excludes valve.</i>		
33 14 19 00-0005 EA Adjust Water Valve Box To Grade.....	101.65	

**33 14 19 00-0006 Water Utility Distribution Valves (33 14 19)**

**33 14 19 00-0007 Angle Valves (33 14 19 00-0006)**

Note: For connecting meters to water service.

**33 14 19 00-0008 Threaded, Class 150, Bronze Angle Valve (33 14 19 00-0007)**

Note: Nibco T-335Y

33 14 19 00-0009 EA 1/2" Threaded, Class 150, Bronze Angle Valve.....	99.31	17.66
33 14 19 00-0010 EA 3/4" Threaded, Class 150, Bronze Angle Valve.....	133.93	23.73
33 14 19 00-0011 EA 1" Threaded, Class 150, Bronze Angle Valve.....	180.44	29.25
33 14 19 00-0012 EA 1-1/4" Threaded, Class 150, Bronze Angle Valve.....	232.33	36.75
33 14 19 00-0013 EA 1-1/2" Threaded, Class 150, Bronze Angle Valve.....	290.16	42.49
33 14 19 00-0014 EA 2" Threaded, Class 150, Bronze Angle Valve.....	432.99	49.67
33 14 19 00-0015 EA 2-1/2" Threaded, Class 150, Bronze Angle Valve.....	693.65	67.80
33 14 19 00-0016 EA 3" Threaded, Class 150, Bronze Angle Valve.....	1,053.21	78.27

**33 14 19 00-0017 Butterfly Valves (33 14 19 00-0006)**

**33 14 19 00-0018 Lug Type Flanged, Cast Iron Disc, Butterfly Valves (33 14 19 00-0017)**

Note: ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, 304 Stainless Steel Pin

33 14 19 00-0019 EA 3" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,3,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD8 Modified).....	1,957.14	187.65
33 14 19 00-0020 EA 3" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,3,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW8 Modified).....	2,190.44	187.65
33 14 19 00-0021 EA 4" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,4,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD8 Modified).....	2,200.20	290.42
33 14 19 00-0022 EA 4" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,4,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW8 Modified).....	2,431.51	290.42
33 14 19 00-0023 EA 6" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,6,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD8 Modified).....	2,529.03	346.99
33 14 19 00-0024 EA 6" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,6,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW8 Modified).....	2,760.34	346.99
33 14 19 00-0025 EA 8" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,8,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD8 Modified).....	2,866.25	443.37
33 14 19 00-0026 EA 8" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,8,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW8 Modified).....	3,085.86	443.37
33 14 19 00-0027 EA 10" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,10,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD8 Modified).....	3,582.00	539.76
33 14 19 00-0028 EA 10" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,10,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW8 Modified).....	4,798.71	539.76
33 14 19 00-0029 EA 12" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,12,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD8 Modified).....	4,098.67	654.24
33 14 19 00-0030 EA 12" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,12,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW8 Modified).....	4,329.98	654.24
33 14 19 00-0031 EA 14" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,14,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD12 Modified).....	5,523.94	946.86
33 14 19 00-0032 EA 14" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,14,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW12 Modified).....	6,128.79	946.86

**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 19 00-0033 EA 16" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW, 16,F1,Ci,NBRN-NBR, 150B,Ci-S2*GS-6B-HD16 Modified).....	6,435.91	1,041.54
33 14 19 00-0034 EA 16" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW, 16,F1,Ci,NBRN-NBR, 150B,Ci-S2*GS-6B-CW20 Modified).....	7,177.70	1,041.54
33 14 19 00-0035 EA 18" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW, 18,F1,Ci,NBRN-NBR, 150B,Ci-S2*GS-6B-HD24 Modified).....	8,072.15	1,155.17
33 14 19 00-0036 EA 18" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW, 18,F1,Ci,NBRN-NBR, 150B,Ci-S2*GS-6B-CW24 Modified).....	8,857.80	1,155.17
33 14 19 00-0037 EA 20" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW, 20,F1,Ci,NBRN-NBR, 150B,Ci-S2*GS-6B-HD24 Modified).....	9,251.28	1,301.93
33 14 19 00-0038 EA 20" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW, 20,F1,Ci,NBRN-NBR, 150B,Ci-S2*GS-6B-CW24 Modified).....	10,035.60	1,301.93
<b>33 14 19 00-0039 Lug Type Flanged, Ductile Iron Disc, Butterfly Valves</b> (33 14 19 00-0017) Note: ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, 304 Stainless Steel Pin		
33 14 19 00-0040 EA 24" Chainwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW, 24,F1,DI,NBRN-NBR, 150B,DI-S2*GS-12A-CW20 Modified).....	15,472.83	1,597.82
33 14 19 00-0041 EA 24" Cylinder Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW, 24,F1,DI,NBRN-NBR, 150B,DI-S2*GS-12A-PC10 Modified).....	24,179.68	1,597.82
33 14 19 00-0042 EA 24" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW, 24,F1,DI,NBRN-NBR, 150B,DI-S2*GS-12A-HD20 Modified).....	15,426.17	1,597.82
33 14 19 00-0043 EA 30" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW, 30,F1,DI,NBRN-NBR, 150B,DI-S2*MG-WR3L-HD24 Modified).....	31,647.64	2,517.92
33 14 19 00-0044 EA 36" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW, 36,F1,DI,NBRN-NBR, 150B,DI-S2*MG-WR3L-HD24 Modified).....	37,465.48	3,357.24
33 14 19 00-0045 EA 42" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW, 42,F1,DI,NBRN-NBR, 150B,DI-S2*MG-WR3L-HD32 Modified).....	47,589.35	5,035.85
33 14 19 00-0046 EA 48" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW, 48,F1,DI,NBRN-NBR, 150B,DI-S2*MG-WR4L-HD24 Modified).....	62,181.33	6,294.81
33 14 19 00-0047 EA 54" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW, 54,F1,DI,NBRN-NBR, 150B,DI-S2*MG-WR6L-HD24 Modified).....	105,012.26	7,553.77
33 14 19 00-0048 EA 60" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW, 60,F1,DI,NBRN-NBR, 150B,DI-S2*MG-WR6L-HD36 Modified).....	131,593.44	9,064.53
33 14 19 00-0049 EA 72" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW, 72,F1,DI,NBRN-NBR, 150B,DI-S2*MG-WR8L-HD36 Modified).....	188,853.63	10,877.44
33 14 19 00-0050 LF 3/16" Link, 316 Stainless Steel Chain For Use With Dezurik Chainwheel.....	17.63	
33 14 19 00-0051 EA 316 Stainless Steel Closing Link For Use With Dezurik Chainwheel.....	9.33	
Note: One required per valve.		
<b>33 14 19 00-0052 Check Valves</b> (33 14 19 00-0006)		
<b>33 14 19 00-0053 Flanged, Swing Type Gravity Operated Check Valves</b> (33 14 19 00-0052) Note: AWWA C508. Bronze disc facing. Mueller A-2600-6.		
33 14 19 00-0054 EA 2-1/2" Flanged, Swing Type Gravity Operated Check Valve.....	1,060.13	147.39
33 14 19 00-0055 EA 3" Flanged, Swing Type Gravity Operated Check Valve.....	1,091.58	172.81
33 14 19 00-0056 EA 4" Flanged, Swing Type Gravity Operated Check Valve.....	1,514.30	218.55
33 14 19 00-0057 EA 4" x 6" Flanged, Swing Type Gravity Operated Check Valve.....	2,101.58	328.83
33 14 19 00-0058 EA 4" x 8" Flanged, Swing Type Gravity Operated Check Valve.....	2,184.02	367.25
33 14 19 00-0059 EA 6" Flanged, Swing Type Gravity Operated Check Valve.....	2,083.02	365.94
33 14 19 00-0060 EA 6" x 8" Flanged, Swing Type Gravity Operated Check Valve.....	2,719.26	415.96
33 14 19 00-0061 EA 6" x 10" Flanged, Swing Type Gravity Operated Check Valve.....	2,839.29	467.58
33 14 19 00-0062 EA 8" Flanged, Swing Type Gravity Operated Check Valve.....	2,957.84	467.58
33 14 19 00-0063 EA 10" Flanged, Swing Type Gravity Operated Check Valve.....	4,976.53	569.23
33 14 19 00-0064 EA 12" Flanged, Swing Type Gravity Operated Check Valve.....	7,530.07	426.93
33 14 19 00-0065 EA 14" Flanged, Swing Type Gravity Operated Check Valve.....	10,626.41	946.86
33 14 19 00-0066 EA 16" Flanged, Swing Type Gravity Operated Check Valve.....	14,100.01	1,041.54
33 14 19 00-0067 EA 18" Flanged, Swing Type Gravity Operated Check Valve.....	20,399.34	1,155.17
33 14 19 00-0068 EA 20" Flanged, Swing Type Gravity Operated Check Valve.....	23,743.44	1,301.93
<b>33 14 19 00-0069 Combination Air Release Valves</b> (33 14 19 00-0006)		
33 14 19 00-0070 EA 1" Combination Air Release Valve.....	625.24	21.34
33 14 19 00-0071 EA 2" Combination Air Release Valve.....	1,008.58	36.59



	<b>Utilities</b>	<b>33</b>	
	<b>Water Utilities</b>	<b>33 10</b>	<b>CS</b>
	<b>Water Utility Transmission and Distribution</b>	<b>33 14</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>33 14 19 00-0072</b> Corporation Stop And Curb Valve (33 14 19 00-0006) Note: AWWA C800		
<b>33 14 19 00-0073</b> Ball Corporation Valves (33 14 19 00-0072) Note: Mueller B-25000.		
33 14 19 00-0074 EA 3/4" Ball Corporation Valve (Mueller B-25000)	79.16	21.34
33 14 19 00-0075 EA 1" Ball Corporation Valve (Mueller B-25000)	99.37	26.43
33 14 19 00-0076 EA 1-1/2" Ball Corporation Valve (Mueller B-25000)	176.75	38.63
33 14 19 00-0077 EA 2" Ball Corporation Valve (Mueller B-25000)	264.51	45.74
<b>33 14 19 00-0078</b> Gate Valve, AWWA C500 And C509 (33 14 19 00-0006)		
<b>33 14 19 00-0079</b> Gate Valve, Flanged (33 14 19 00-0078) Note: Mueller A-2380-6.		
33 14 19 00-0080 EA 2" Gate Valve, Flanged	663.25	135.50
33 14 19 00-0081 EA 2-1/2" Gate Valve, Flanged	774.49	147.39
33 14 19 00-0082 EA 3" Gate Valve, Flanged	916.05	172.81
33 14 19 00-0083 EA 4" Gate Valve, Flanged	1,215.00	216.51
33 14 19 00-0084 EA 6" Gate Valve, Flanged	1,504.41	365.94
33 14 19 00-0085 EA 8" Gate Valve, Flanged	2,214.40	467.58
33 14 19 00-0086 EA 10" Gate Valve, Flanged	3,307.43	569.23
33 14 19 00-0087 EA 12" Gate Valve, Flanged	3,988.02	426.93
33 14 19 00-0088 EA 14" Gate Valve, Flanged	8,668.77	946.86
33 14 19 00-0089 EA 16" Gate Valve, Flanged	11,304.35	1,041.54
33 14 19 00-0090 EA 18" Gate Valve, Flanged	17,816.19	1,155.17
33 14 19 00-0091 EA 20" Gate Valve, Flanged	21,290.78	1,301.93
<b>33 14 19 00-0092</b> Resilient Wedge Gate Valve, Flanged (33 14 19 00-0078) Note: Mueller A-2360-6.		
33 14 19 00-0093 EA 2" Resilient Wedge Gate Valve, Flanged	635.32	135.50
33 14 19 00-0094 EA 2-1/2" Resilient Wedge Gate Valve, Flanged	741.11	147.39
33 14 19 00-0095 EA 3" Resilient Wedge Gate Valve, Flanged	876.44	172.81
33 14 19 00-0096 EA 4" Resilient Wedge Gate Valve, Flanged	1,170.73	216.51
33 14 19 00-0097 EA 6" Resilient Wedge Gate Valve, Flanged	1,445.22	365.94
33 14 19 00-0098 EA 8" Resilient Wedge Gate Valve, Flanged	2,121.94	467.58
33 14 19 00-0099 EA 10" Resilient Wedge Gate Valve, Flanged	3,160.51	569.23
33 14 19 00-0100 EA 12" Resilient Wedge Gate Valve, Flanged	3,810.62	426.93
<b>33 14 19 00-0101</b> Gate Valve, Mechanical Joint (33 14 19 00-0078) Note: Mueller A-2380-20.		
33 14 19 00-0102 EA 2" Gate Valve, Mechanical Joint	779.93	108.25
33 14 19 00-0103 EA 2-1/2" Gate Valve, Mechanical Joint	849.70	135.70
33 14 19 00-0104 EA 3" Gate Valve, Mechanical Joint	1,066.00	164.16
33 14 19 00-0105 EA 4" Gate Valve, Mechanical Joint	1,276.82	216.51
33 14 19 00-0106 EA 6" Gate Valve, Mechanical Joint	1,600.49	254.12
33 14 19 00-0107 EA 8" Gate Valve, Mechanical Joint	2,309.13	304.94
33 14 19 00-0108 EA 10" Gate Valve, Mechanical Joint	3,352.26	355.77
33 14 19 00-0109 EA 12" Gate Valve, Mechanical Joint	4,191.61	426.93
33 14 19 00-0110 EA 14" Gate Valve, Mechanical Joint	9,200.38	579.95
33 14 19 00-0111 EA 16" Gate Valve, Mechanical Joint	11,873.21	650.97
33 14 19 00-0112 EA 18" Gate Valve, Mechanical Joint	18,834.47	721.98
33 14 19 00-0113 EA 20" Gate Valve, Mechanical Joint	22,390.19	813.71
<b>33 14 19 00-0114</b> Resilient Wedge Gate Valve, Mechanical Joint (33 14 19 00-0078) Note: Mueller A-2360-20.		
33 14 19 00-0115 EA 2" Resilient Wedge Gate Valve, Mechanical Joint	748.03	108.25
33 14 19 00-0116 EA 3" Resilient Wedge Gate Valve, Mechanical Joint	1,024.25	164.16
33 14 19 00-0117 EA 4" Resilient Wedge Gate Valve, Mechanical Joint	1,229.05	216.51
33 14 19 00-0118 EA 6" Resilient Wedge Gate Valve, Mechanical Joint	1,538.68	254.12
33 14 19 00-0119 EA 8" Resilient Wedge Gate Valve, Mechanical Joint	2,212.96	304.94
33 14 19 00-0120 EA 10" Resilient Wedge Gate Valve, Mechanical Joint	3,202.80	355.77
33 14 19 00-0121 EA 12" Resilient Wedge Gate Valve, Mechanical Joint	4,002.65	426.93
<b>33 14 19 00-0122</b> Resilient Wedge Gate Valve, Mechanical Joint X Flange Joint (33 14 19 00-0078) Note: Mueller A-2361.		
33 14 19 00-0123 EA 14" Resilient Wedge Gate Valve, Mechanical Joint X Flanged Joint	8,105.42	946.86
33 14 19 00-0124 EA 16" Resilient Wedge Gate Valve, Mechanical Joint X Flanged Joint	8,811.67	1,041.54
33 14 19 00-0125 EA 18" Resilient Wedge Gate Valve, Mechanical Joint X Flanged Joint	13,734.08	1,155.17
33 14 19 00-0126 EA 20" Resilient Wedge Gate Valve, Mechanical Joint X Flanged Joint	16,391.52	1,301.93
33 14 19 00-0127 EA 24" Resilient Wedge Gate Valve, Mechanical Joint X Flanged Joint	23,278.88	1,597.82
<b>33 14 19 00-0128</b> Gate Valve, Threaded, WW-V-51 Class A, Type 1 (33 14 19 00-0078) Note: NIBCO T-113.		
33 14 19 00-0129 EA 1/4" Gate Valve, Bronze, Threaded	57.82	17.77
33 14 19 00-0130 EA 3/8" Gate Valve, Bronze, Threaded	59.51	17.77
33 14 19 00-0131 EA 1/2" Gate Valve, Bronze, Threaded	58.86	17.77



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 19 00-0132 EA 3/4" Gate Valve, Bronze, Threaded .....	75.70	24.01
33 14 19 00-0133 EA 1" Gate Valve, Bronze, Threaded .....	93.39	29.03
33 14 19 00-0134 EA 1-1/4" Gate Valve, Bronze, Threaded .....	127.18	36.75
33 14 19 00-0135 EA 1-1/2" Gate Valve, Bronze, Threaded .....	147.60	42.49
33 14 19 00-0136 EA 2" Gate Valve, Bronze, Threaded .....	179.20	49.67
33 14 19 00-0137 EA 2-1/2" Gate Valve, Bronze, Threaded .....	347.86	67.80
33 14 19 00-0138 EA 3" Gate Valve, Bronze, Threaded .....	417.24	77.76
<b>33 14 19 00-0139</b> <b>Globe Valve, AWWA</b> <small>(33 14 19 00-0006)</small>		
<b>33 14 19 00-0140</b> <b>Globe Valve, Threaded, WW-V-51 Class B, Type 1</b> <small>(33 14 19 00-0139)</small>		
Note: NIBCO T-235.		
33 14 19 00-0141 EA 1/8" Globe Valve, Threaded .....	82.26	17.77
33 14 19 00-0142 EA 1/4" Globe Valve, Threaded .....	78.85	17.77
33 14 19 00-0143 EA 3/8" Globe Valve, Threaded .....	80.54	17.77
33 14 19 00-0144 EA 1/2" Globe Valve, Threaded .....	82.26	17.77
33 14 19 00-0145 EA 3/4" Globe Valve, Threaded .....	111.71	24.01
33 14 19 00-0146 EA 1" Globe Valve, Threaded .....	157.15	29.03
33 14 19 00-0147 EA 1-1/4" Globe Valve, Threaded .....	230.24	36.75
33 14 19 00-0148 EA 1-1/2" Globe Valve, Threaded .....	274.96	42.49
33 14 19 00-0149 EA 2" Globe Valve, Threaded .....	384.46	49.67
33 14 19 00-0150 EA 2-1/2" Globe Valve, Threaded .....	707.77	67.80
33 14 19 00-0151 EA 3" Globe Valve, Threaded .....	970.26	78.17
<b>33 14 19 00-0152</b> <b>Tapping Valve, AWWA C500 And C509</b> <small>(33 14 19 00-0006)</small>		
<b>33 14 19 00-0153</b> <b>Tapping Valve, AWWA C500 And C509</b> <small>(33 14 19 00-0152)</small>		
Note: Flanged inlet X mechanical joint, Mueller H-667.		
33 14 19 00-0154 EA 2" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint .....	929.50	135.50
33 14 19 00-0155 EA 3" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint .....	1,197.38	172.81
33 14 19 00-0156 EA 4" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint .....	1,486.75	216.51
33 14 19 00-0157 EA 6" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint .....	1,919.67	365.94
33 14 19 00-0158 EA 8" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint .....	2,746.98	467.58
33 14 19 00-0159 EA 10" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint .....	3,954.64	569.23
33 14 19 00-0160 EA 12" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint .....	5,810.44	426.93
33 14 19 00-0161 EA 14" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint .....	10,543.31	946.86
33 14 19 00-0162 EA 16" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint .....	13,289.34	1,041.54
33 14 19 00-0163 EA 18" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint .....	21,335.90	1,155.17
<b>33 14 19 00-0164</b> <b>Fire Hydrants</b> <small>(33 14 19)</small>		
Note: Breakaway type.		
<b>33 14 19 00-0165</b> <b>Three Way, Standard (Traditional) Model Fire Hydrant</b> <small>(33 14 19 00-0164)</small>		
Note: Mechanical joint shoe. Includes shoe, lower barrel and upper barrel (hydrant).		
33 14 19 00-0166 EA 1-1/2" Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant .....	3,550.78	269.87
33 14 19 00-0167 EA 2" Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant .....	3,617.29	269.87
33 14 19 00-0168 EA 2-1/2" Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant .....	3,683.97	269.87
33 14 19 00-0169 EA 3" Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant .....	3,769.61	289.15
33 14 19 00-0170 EA 3-1/2" Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant .....	3,836.19	289.15
33 14 19 00-0171 EA 4" Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant .....	3,926.93	313.25
33 14 19 00-0172 EA 4-1/2" Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant .....	3,993.40	313.25
33 14 19 00-0173 EA 5" Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant .....	4,084.16	337.35
33 14 19 00-0174 EA 5-1/2" Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant .....	4,150.73	337.35
33 14 19 00-0175 EA 6" Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant .....	4,241.29	361.44
33 14 19 00-0176 EA 6-1/2" Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant .....	4,331.94	385.54
33 14 19 00-0177 EA 7" Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant .....	4,446.58	433.73
33 14 19 00-0178 EA 1-1/2" Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant .....	3,611.48	269.87
33 14 19 00-0179 EA 2" Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant .....	3,697.79	269.87
33 14 19 00-0180 EA 2-1/2" Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant .....	3,783.89	269.87
33 14 19 00-0181 EA 3" Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant .....	3,889.27	289.15
33 14 19 00-0182 EA 3-1/2" Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant .....	3,975.37	289.15
33 14 19 00-0183 EA 4" Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant .....	4,085.89	313.25
33 14 19 00-0184 EA 4-1/2" Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant .....	4,171.88	313.25
33 14 19 00-0185 EA 5" Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant .....	4,282.17	337.35
33 14 19 00-0186 EA 5-1/2" Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant .....	4,368.25	337.35
33 14 19 00-0187 EA 6" Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant .....	4,478.29	361.44
33 14 19 00-0188 EA 6-1/2" Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant .....	4,588.70	385.54
33 14 19 00-0189 EA 7" Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant .....	4,722.84	433.73
<b>33 14 19 00-0190</b> <b>Two Way, Standard (Traditional) Model Fire Hydrant</b> <small>(33 14 19 00-0164)</small>		
Note: Mechanical joint shoe. Includes shoe, lower barrel and upper barrel (hydrant).		
33 14 19 00-0191 EA 1-1/2" Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant .....	3,185.70	269.87
33 14 19 00-0192 EA 2" Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant .....	3,251.98	269.87
33 14 19 00-0193 EA 2-1/2" Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant .....	3,318.64	269.87
33 14 19 00-0194 EA 3" Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant .....	3,404.56	289.15
33 14 19 00-0195 EA 3-1/2" Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant .....	3,470.92	289.15
33 14 19 00-0196 EA 4" Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant .....	3,561.51	313.25
33 14 19 00-0197 EA 4-1/2" Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant .....	3,628.08	313.25



	<b>Utilities</b>	<b>33</b>
	<b>Water Utilities</b>	<b>33 10</b>
	<b>Water Utility Transmission and Distribution</b>	<b>33 14</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 19 00-0198 EA 5' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,718.90	337.35
33 14 19 00-0199 EA 5-1/2' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant .....	3,785.33	337.35
33 14 19 00-0200 EA 6' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,876.25	361.44
33 14 19 00-0201 EA 6-1/2' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant .....	3,966.48	385.54
33 14 19 00-0202 EA 7' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	4,081.26	433.73
33 14 19 00-0203 EA 1-1/2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant .....	3,279.46	269.87
33 14 19 00-0204 EA 2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant .....	3,365.58	269.87
33 14 19 00-0205 EA 2-1/2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant .....	3,451.57	269.87
33 14 19 00-0206 EA 3' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,557.17	289.15
33 14 19 00-0207 EA 3-1/2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant .....	3,643.05	289.15
33 14 19 00-0208 EA 4' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,753.42	313.25
33 14 19 00-0209 EA 4-1/2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant .....	3,839.35	313.25
33 14 19 00-0210 EA 5' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,949.92	337.35
33 14 19 00-0211 EA 5-1/2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant .....	4,035.80	337.35
33 14 19 00-0212 EA 6' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	4,146.14	361.44
33 14 19 00-0213 EA 6-1/2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant .....	4,256.13	385.54
33 14 19 00-0214 EA 7' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	4,390.74	433.73
<b>33 14 19 00-0215</b>		
<b>Three Way, Modern Model Fire Hydrant</b> (33 14 19 00-0164)		
Note: Mechanical joint shoe. Includes shoe, lower barrel and upper barrel (hydrant).		
33 14 19 00-0216 EA 1-1/2' Burial Section, Three Way, Modern Type Fire Hydrant.....	3,706.00	269.87
33 14 19 00-0217 EA 2' Burial Section, Three Way, Modern Type Fire Hydrant.....	3,791.99	269.87
33 14 19 00-0218 EA 2-1/2' Burial Section, Three Way, Modern Type Fire Hydrant.....	3,878.24	269.87
33 14 19 00-0219 EA 3' Burial Section, Three Way, Modern Type Fire Hydrant.....	3,983.67	289.15
33 14 19 00-0220 EA 3-1/2' Burial Section, Three Way, Modern Type Fire Hydrant.....	4,069.72	289.15
33 14 19 00-0221 EA 4' Burial Section, Three Way, Modern Type Fire Hydrant.....	4,179.92	313.25
33 14 19 00-0222 EA 4-1/2' Burial Section, Three Way, Modern Type Fire Hydrant.....	4,266.09	313.25
33 14 19 00-0223 EA 5' Burial Section, Three Way, Modern Type Fire Hydrant.....	4,376.31	337.35
33 14 19 00-0224 EA 5-1/2' Burial Section, Three Way, Modern Type Fire Hydrant.....	4,462.39	337.35
33 14 19 00-0225 EA 6' Burial Section, Three Way, Modern Type Fire Hydrant.....	4,572.58	337.35
33 14 19 00-0226 EA 6-1/2' Burial Section, Three Way, Modern Type Fire Hydrant.....	4,683.04	385.54
33 14 19 00-0227 EA 7' Burial Section, Three Way, Modern Type Fire Hydrant.....	4,816.28	385.54
<b>33 14 19 00-0228</b>		
<b>Two Way, Modern Model Fire Hydrant</b> (33 14 19 00-0164)		
Note: Mechanical joint shoe. Includes shoe, lower barrel and upper barrel (hydrant).		
33 14 19 00-0229 EA 1-1/2' Burial Section, Two Way, Modern Type Fire Hydrant .....	2,627.74	269.87
33 14 19 00-0230 EA 2' Burial Section, Two Way, Modern Type Fire Hydrant .....	2,693.18	269.87
33 14 19 00-0231 EA 2-1/2' Burial Section, Two Way, Modern Type Fire Hydrant .....	2,759.35	269.87
33 14 19 00-0232 EA 3' Burial Section, Two Way, Modern Type Fire Hydrant .....	2,843.30	289.15
33 14 19 00-0233 EA 3-1/2' Burial Section, Two Way, Modern Type Fire Hydrant .....	2,908.72	289.15
33 14 19 00-0234 EA 4' Burial Section, Two Way, Modern Type Fire Hydrant .....	2,998.24	313.25
33 14 19 00-0235 EA 4-1/2' Burial Section, Two Way, Modern Type Fire Hydrant .....	3,063.64	313.25
33 14 19 00-0236 EA 5' Burial Section, Two Way, Modern Type Fire Hydrant .....	3,153.24	337.35
33 14 19 00-0237 EA 5-1/2' Burial Section, Two Way, Modern Type Fire Hydrant .....	3,218.47	337.35
33 14 19 00-0238 EA 6' Burial Section, Two Way, Modern Type Fire Hydrant .....	3,308.00	361.44
33 14 19 00-0239 EA 6-1/2' Burial Section, Two Way, Modern Type Fire Hydrant .....	3,397.61	385.54
33 14 19 00-0240 EA 7' Burial Section, Two Way, Modern Type Fire Hydrant .....	3,510.41	433.73
<b>33 14 19 00-0241</b>		
<b>Safetop Model With Breakable Section</b> (33 14 19 00-0164)		
Note: Prices listed are for mechanical joint. Includes shoe, lower barrel and upper barrel (hydrant).		
33 14 19 00-0242 EA 4" Safetop Model Fire Hydrant Breakable With 5' Burial Section.....	2,633.68	192.77
33 14 19 00-0243 EA 6" Safetop Model Fire Hydrant Breakable With 5' Burial Section.....	2,815.05	216.87
33 14 19 00-0244 EA 8" Safetop Model Fire Hydrant Breakable With 5' Burial Section.....	3,068.59	240.96
<b>33 14 19 00-0245</b>		
<b>Fire Hydrant Extension Kits</b> (33 14 19 00-0164)		
33 14 19 00-0246 EA 6" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit.....	543.58	24.10
33 14 19 00-0247 EA 12" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit.....	645.23	30.12
33 14 19 00-0248 EA 18" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit.....	702.35	36.15
33 14 19 00-0249 EA 24" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit.....	796.81	44.58
33 14 19 00-0250 EA 30" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit.....	1,212.26	46.39
33 14 19 00-0251 EA 36" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit.....	1,295.35	48.19
33 14 19 00-0252 EA 42" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit.....	1,314.32	50.60
33 14 19 00-0253 EA 48" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit.....	1,387.88	54.21
33 14 19 00-0254 EA 54" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit.....	1,527.81	65.06
33 14 19 00-0255 EA 60" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit.....	1,608.11	78.31
33 14 19 00-0256 EA 6" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit.....	604.83	26.99
33 14 19 00-0257 EA 12" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit.....	715.41	32.78
33 14 19 00-0258 EA 18" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit.....	820.25	39.51
33 14 19 00-0259 EA 24" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit.....	914.93	49.16
33 14 19 00-0260 EA 30" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit.....	1,259.77	51.09
33 14 19 00-0261 EA 36" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit.....	1,343.88	53.01
33 14 19 00-0262 EA 42" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit.....	1,401.21	55.91
33 14 19 00-0263 EA 48" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit.....	1,641.25	59.76
33 14 19 00-0264 EA 54" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit.....	1,796.10	71.32
33 14 19 00-0265 EA 60" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit.....	1,882.48	85.78

<b>33</b>	<b>Utilities</b>
<b>33 10</b>	<b>Water Utilities</b>
<b>33 14</b>	<b>Water Utility Transmission and Distribution</b>



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

<b>33 14 19 00-0266</b>	<b>Removal And Reinstallation Of Standard Fire Hydrant</b> <small>(33 14 19 00-0164)</small> Note: Includes all necessary fittings for resetting, storage and cleaning. Excludes excavation, backfill and thrust blocking around fire hydrant.		
33 14 19 00-0267	EA Up To 5' Burial Section, Removal And Reinstallation Of Fire Hydrant .....	771.08	
33 14 19 00-0268	EA >5' Burial Section, Removal And Reinstallation Of Fire Hydrant .....	1,124.49	
33 14 19 00-0269	EA Reset Fire Hydrant Upper Barrel .....	1,061.27	
	Note: Includes Safety Repair Kit		
<b>33 14 19 00-0270</b>	<b>Yard Hydrants</b> <small>(33 14 19)</small> Note: With 3/4" hose thread outlet.		
33 14 19 00-0271	EA 2' Bury Depth Yard Hydrant, 3/4" Galvanized Column And 3/4" Threaded Hose Outlet .....	361.04	33.12
33 14 19 00-0272	EA 4' Bury Depth Yard Hydrant, 3/4" Galvanized Column And 3/4" Threaded Hose Outlet .....	388.57	33.12
33 14 19 00-0273	EA 6' Bury Depth Yard Hydrant, 3/4" Galvanized Column And 3/4" Threaded Hose Outlet .....	416.09	33.12
33 14 19 00-0274	EA 2' Bury Depth Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet .....	309.83	41.94
33 14 19 00-0275	EA 4' Bury Depth Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet .....	324.48	41.94
33 14 19 00-0276	EA 6' Bury Depth Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet .....	339.13	41.94
<b>33 14 19 00-0277</b>	<b>Sanitary Yard Hydrants</b> <small>(33 14 19)</small> Note: With 3/4" hose thread outlet.		
33 14 19 00-0278	EA 2' Bury Depth Sanitary Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet .....	1,659.37	68.99
33 14 19 00-0279	EA 4' Bury Depth Sanitary Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet .....	1,745.39	68.99
33 14 19 00-0280	EA 6' Bury Depth Sanitary Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet .....	1,831.40	68.99
<b>33 14 19 00-0281</b>	<b>Flushing Hydrants</b> <small>(33 14 19)</small>		
33 14 19 00-0282	EA 2" Inlet x 2-1/2" Outlet Steel Flushing Hydrant, 3' Bury Depth .....	850.38	42.53
<b>33 14 23</b>	<b>Enclosures for Water Utility Piping and Valves</b> <small>(33 14)</small> Note: Excludes excavation and backfill. See CSI section 22 11 19 00-0449 for Enclosures.		
<b>33 14 23 00-0001</b>	<b>Roadway Utility Box</b> <small>(33 14 23)</small>		
<b>33 14 23 00-0002</b>	<b>Utility Box</b> <small>(33 14 23 00-0001)</small> Note: Christy Concrete Products.		
<b>33 14 23 00-0003</b>	<b>B3 Utility Box, 9-3/8" x 15-1/2"</b> <small>(33 14 23 00-0002)</small>		
33 14 23 00-0004	EA 9-3/8" x 15-1/2" Precast Concrete Utility Box .....	116.41	50.35
33 14 23 00-0005	EA Cast Iron Lid For 9-3/8" x 15-1/2" Utility Box .....	120.68	5.60
33 14 23 00-0006	EA Reinforced Concrete Lid For 9-3/8" x 15-1/2" Utility Box .....	49.71	5.60
33 14 23 00-0007	EA Steel Checkered Plate Cover For 9-3/8" x 15-1/2" Utility Box .....	264.99	5.60
33 14 23 00-0008	EA 12-1/8" x 18-5/8" Reinforced Concrete Slab For 9-3/8" x 15-1/2" Utility Box .....	69.94	11.19
33 14 23 00-0009	EA 3" High Reinforced Concrete Base For 9-3/8" x 15-1/2" Utility Box .....	101.30	11.19
<b>33 14 23 00-0010</b>	<b>B9 Utility Box, 10-1/4" x 17-1/4"</b> <small>(33 14 23 00-0002)</small>		
33 14 23 00-0011	EA 10-1/4" x 17-1/4" Precast Concrete Utility Box .....	140.73	67.14
33 14 23 00-0012	EA Cast Iron Lid For 10-1/4" x 17-1/4" Utility Box .....	141.35	6.71
33 14 23 00-0013	EA Reinforced Concrete Lid For 10-1/4" x 17-1/4" Utility Box .....	55.09	6.71
33 14 23 00-0014	EA Steel Checkered Plate Cover For 10-1/4" x 17-1/4" Utility Box .....	278.04	5.60
33 14 23 00-0015	EA 13" x 19-3/4" Reinforced Concrete Slab For 10-1/4" x 17-1/4" Utility Box .....	78.56	11.19
33 14 23 00-0016	EA 5-3/4" High Reinforced Concrete Base For 10-1/4" x 17-1/4" Utility Box .....	104.93	16.79
33 14 23 00-0017	EA 12" High Reinforced Concrete Extension For 10-1/4" x 17-1/4" Utility Box .....	122.57	30.77
<b>33 14 23 00-0018</b>	<b>B12 Utility Box, 12" x 20"</b> <small>(33 14 23 00-0002)</small>		
33 14 23 00-0019	EA 12" x 20" Precast Concrete Utility Box .....	154.79	72.73
33 14 23 00-0020	EA Cast Iron Lid For 12" x 20" Utility Box .....	255.11	8.39
33 14 23 00-0021	EA Reinforced Concrete Lid For 12" x 20" Utility Box .....	73.53	11.19
33 14 23 00-0022	EA Steel Checkered Plate Cover For 12" x 20" Utility Box .....	373.38	11.19
33 14 23 00-0023	EA 12" High Reinforced Concrete Extension For 12" x 20" Utility Box .....	159.98	39.17
<b>33 14 23 00-0024</b>	<b>B16 Utility Box, 12" x 22-1/4"</b> <small>(33 14 23 00-0002)</small>		
33 14 23 00-0025	EA 12" x 22-1/4" Precast Concrete Utility Box .....	178.08	85.04
33 14 23 00-0026	EA Cast Iron Lid For 12" x 22-1/4" Utility Box .....	287.98	11.19
33 14 23 00-0027	EA Reinforced Concrete Lid For 12" x 22-1/4" Utility Box .....	91.32	11.19
33 14 23 00-0028	EA Steel Checkered Plate Cover For 12" x 22-1/4" Utility Box .....	375.49	11.19
33 14 23 00-0029	EA 16" x 27" Reinforced Concrete Slab For 12" x 22-1/4" Utility Box .....	127.68	19.03
33 14 23 00-0030	EA 12" High Reinforced Concrete Extension For 12" x 22-1/4" Utility Box .....	162.93	39.17
<b>33 14 23 00-0031</b>	<b>B30 Utility Box, 13-1/4" x 24"</b> <small>(33 14 23 00-0002)</small>		
33 14 23 00-0032	EA 13-1/4" x 24" Precast Concrete Utility Box (Christy B30BOX) .....	214.67	100.71
33 14 23 00-0033	EA Reinforced Concrete Lid For 13-1/4" x 24" Utility Box (Christy B30D) .....	122.53	17.91
33 14 23 00-0034	EA Steel Checkered Plate Cover For 13-1/4" x 24" Utility Box (Christy B30-61G) .....	464.09	14.55
33 14 23 00-0035	EA 16" x 27" Reinforced Concrete Slab For 13-1/4" x 24" Utility Box (Christy B30SL) .....	127.68	19.03
33 14 23 00-0036	EA 5-1/2" High Reinforced Concrete Base For 13-1/4" x 24" Utility Box (Christy B30BA) .....	195.23	31.34
33 14 23 00-0037	EA 6" High Reinforced Concrete Extension For 13-1/4" x 24" Utility Box (Christy B30X6) .....	153.01	21.26



<b>Utilities</b>	<b>33</b>	<b>CS</b>
<b>Water Utilities</b>	<b>33 10</b>	
<b>Water Utility Transmission and Distribution</b>	<b>33 14</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 23 00-0038 EA 12" High Reinforced Concrete Extension For 13-1/4" x 24" Utility Box (Christy B30X12).....	211.19	50.35
<b>33 14 23 00-0039 B36 Utility Box, 17-1/4" x 30"</b> <small>(33 14 23 00-0002)</small>		
33 14 23 00-0040 EA 17-1/4" x 30" Precast Concrete Utility Box (Christy B36BOX) .....	280.88	127.57
33 14 23 00-0041 EA Reinforced Concrete Lid For 17-1/4" x 30" Utility Box (Christy B36D) .....	199.37	30.77
33 14 23 00-0042 EA Steel Checkered Plate Cover For 17-1/4" x 30" Utility Box (Christy B36-61D) .....	581.26	21.26
33 14 23 00-0043 EA 20" x 34" Reinforced Concrete Slab For 17-1/4" x 30" Utility Box (Christy B36SL).....	177.58	40.29
33 14 23 00-0044 EA 6" High Reinforced Concrete Base For 17-1/4" x 30" Utility Box (Christy B36BA).....	304.38	44.75
33 14 23 00-0045 EA 12" High Reinforced Concrete Extension For 17-1/4" x 30" Utility Box (Christy B36X12).....	282.36	64.90
<b>33 14 23 00-0046 B40 Utility Box, 24-1/2" x 36"</b> <small>(33 14 23 00-0002)</small>		
33 14 23 00-0047 EA 24-1/2" x 36" Precast Concrete Utility Box.....	586.69	196.95
33 14 23 00-0048 EA Reinforced Concrete Lid For 24-1/2" x 36" Utility Box .....	547.31	73.85
33 14 23 00-0049 EA Steel Checkered Plate Cover For 24-1/2" x 36" Utility Box.....	825.23	32.45
33 14 23 00-0050 EA 30" x 40" Reinforced Concrete Slab For 24-1/2" x 36" Utility Box.....	446.01	69.38
33 14 23 00-0051 EA 10" High Reinforced Concrete Extension For 24-1/2" x 36" Utility Box.....	473.35	72.73
<b>33 14 23 00-0052 B48 Utility Box, 30-1/4" x 48-1/4"</b> <small>(33 14 23 00-0002)</small>		
33 14 23 00-0053 EA 30-1/4" x 48-1/4" Precast Concrete Utility Box.....	738.17	223.79
33 14 23 00-0054 EA 1 Piece Reinforced Concrete Lid For 30-1/4" x 48-1/4" Utility Box .....	751.08	121.97
33 14 23 00-0055 EA 2 Piece Reinforced Concrete Lid For 30-1/4" x 48-1/4" Utility Box .....	952.29	121.97
33 14 23 00-0056 EA 2 Piece Steel Checkered Plate Cover For 30-1/4" x 48-1/4" Utility Box.....	1,305.71	55.95
33 14 23 00-0057 EA 36" x 53" Reinforced Concrete Slab For 30-1/4" x 48-1/4" Utility Box.....	639.85	151.06
33 14 23 00-0058 EA 10" High Reinforced Concrete Extension For 30-1/4" x 48-1/4" Utility Box.....	583.07	101.83
<b>33 14 23 00-0059 Roadway Or Curb Valve Boxes</b> <small>(33 14 23)</small>		
<b>33 14 23 00-0060 Round Head, Cast Iron Service, Roadway Or Valve Boxes</b> <small>(33 14 23 00-0059)</small>		
33 14 23 00-0061 EA 36" To 48" High, Two Piece, Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box.....	336.82	13.41
Note: Includes cover, top section and bottom section.		
33 14 23 00-0062 EA 36" To 54" High, Two Piece, Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box.....	395.91	13.41
Note: Includes cover, top section and bottom section.		
33 14 23 00-0063 EA 42" To 60" High, Two Piece, Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box.....	398.64	13.41
Note: Includes cover, top section and bottom section.		
33 14 23 00-0064 EA 9" Extension For Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box .....	95.56	6.71
33 14 23 00-0065 EA 16" Extension For Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box .....	111.20	6.71
33 14 23 00-0066 EA 24" Extension For Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box .....	134.74	6.71
33 14 23 00-0067 EA 36" To 48" High, Screw Type, 4-1/4" Shaft, Round Head, Cast Iron Roadway Box .....	515.25	16.77
Note: Includes cover, top section and bottom section.		
33 14 23 00-0068 EA 45" To 54" High, Three Piece, Screw Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box .....	904.25	23.48
Note: Includes cover, top section, bottom section and #6 round base.		
33 14 23 00-0069 EA 45" To 66" High, Three Piece, Screw Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box .....	1,014.47	23.48
Note: Includes cover, top section, bottom section and #6 round base.		
33 14 23 00-0070 EA 24" To 36" High, Two Piece, Screw Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box.....	537.11	16.77
Note: Includes cover, top section and bottom section.		
33 14 23 00-0071 EA 36" To 48" High, Two Piece, Screw Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box.....	563.44	16.77
Note: Includes cover, top section and bottom section.		
33 14 23 00-0072 EA 24" To 36" High, Two Piece, Slip Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box.....	543.33	16.77
Note: Includes cover, top section and bottom section.		
33 14 23 00-0073 EA 12" Extension For Screw Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box .....	195.58	6.71
33 14 23 00-0074 EA 18" To 24" High Round Head Cast Iron Roadway Or Curb Valve Boxes.....	314.41	27.60
33 14 23 00-0075 EA 22" To 28" High Round Head Cast Iron Roadway Or Curb Valve Boxes .....	326.37	28.70
33 14 23 00-0076 EA 30" To 36" High Round Head Cast Iron Roadway Or Curb Valve Boxes.....	363.79	29.80
33 14 23 00-0077 EA 36" To 48" High Round Head Cast Iron Roadway Or Curb Valve Box .....	515.33	31.46
33 14 23 00-0078 EA 48" To 60" High Round Head Cast Iron Roadway Or Curb Valve Boxes.....	626.15	33.12
33 14 23 00-0079 EA 18" Cast Iron Service Box Extension Section .....	149.82	
<b>33 14 23 00-0080 Plastic Roadway Grade Water Meter Box And Cover</b> <small>(33 14 23 00-0059)</small>		
33 14 23 00-0081 EA 12" Wide x 16" Long x 16" Deep Plastic Meter Box And Cover .....	512.80	38.64
33 14 23 00-0082 EA 9-3/4" Wide x 19-1/4" Long x 16" Deep Oval Plastic Meter Box And Cover .....	388.75	27.60
33 14 23 00-0083 EA Cast Iron Lid For Plastic Meter Box .....	121.69	
<b>33 14 23 00-0084 Traffic Valve Box And Lid</b> <small>(33 14 23 00-0059)</small>		
33 14 23 00-0085 EA 10-3/8" ID x 12" Traffic Valve Box And 11" OD Cast Iron Lid (Christy G-5).....	212.57	
33 14 23 00-0086 EA 14-1/2" ID x 12" Traffic Valve Box And 13-1/4" OD Cast Iron Lid (Christy G-12).....	704.73	
<b>33 19 Water Utility Metering Equipment</b> <small>(33 19)</small>		
<b>33 19 13 Positive Displacement Water Meters</b> <small>(33 19)</small>		
<b>33 19 13 23 Nutating Disc Water Meters</b> <small>(33 19 13)</small>		
<b>33 19 13 23-0001 Bronze Disk Type Water Service Meters</b> <small>(33 19 13 23)</small>		
33 19 13 23-0002 EA 5/8" Diameter, 0 To 20 GPM, Screwed, Disk Type, Bronze Water Supply Meter.....	314.03	57.40

<b>33</b>	<b>Utilities</b>
<b>33 10</b>	<b>Water Utilities</b>
<b>33 19</b>	<b>Water Utility Metering Equipment</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 19 13 23-0003 EA 3/4" Diameter, 0 To 30 GPM, Screwed, Disk Type, Bronze Water Supply Meter .....	395.13	68.43
33 19 13 23-0004 EA 1" Diameter, 0 To 50 GPM, Screwed, Disk Type, Bronze Water Supply Meter .....	532.08	78.37
33 19 13 23-0005 EA 1-1/2" Diameter, 0 To 100 GPM, Screwed, Disk Type, Bronze Water Supply Meter .....	1,038.98	117.00
33 19 13 23-0006 EA 2" Diameter, 0 To 160 GPM, Screwed, Disk Type, Bronze Water Supply Meter .....	1,408.38	152.32
<b>33 19 13 23-0007 Magnetic Driven, Positive Displacement Type Water Service Meters (33 19 13 23)</b>		
33 19 13 23-0008 EA 5/8" Diameter Transmitting Water Supply Meter, Screwed (Neptune T10 E-Coder/R900i) .....	573.17	57.40
<i>For Owner Furnished Material, Deduct</i>	-515.07	
33 19 13 23-0009 EA 3/4" Diameter Transmitting Water Supply Meter, Screwed (Neptune T10 E-Coder/R900i) .....	653.27	68.43
<i>For Owner Furnished Material, Deduct</i>	-584.28	
33 19 13 23-0010 EA 1" Diameter Transmitting Water Supply Meter, Screwed (Neptune T10 E-Coder/R900i) .....	975.36	78.37
<i>For Owner Furnished Material, Deduct</i>	-896.51	
33 19 13 23-0011 EA 1-1/2" Diameter Transmitting Water Supply Meter, Screwed (Neptune T10 E-Coder/R900i) .....	1,652.42	117.00
<i>For Owner Furnished Material, Deduct</i>	-1,535.00	
33 19 13 23-0012 EA 2" Diameter Transmitting Water Supply Meter, Screwed (Neptune T10 E-Coder/R900i) .....	2,044.86	152.32
<i>For Owner Furnished Material, Deduct</i>	-1,891.56	
33 19 13 23-0013 EA Electronic Transmitter .....	466.53	27.60
<i>Note: For use with transmitting meter valve.</i>		
<i>For Owner Furnished Material, Deduct</i>	-438.93	
<b>33 19 16 Velocity-Type Water Meters (33 19)</b>		
<b>33 19 16 23 Turbine Water Meters (33 19 16)</b>		
<b>33 19 16 23-0001 Flanged Turbine Water Service Meter (33 19 16 23)</b>		
<b>33 19 16 23-0002 Vertical Turbine Meters (33 19 16 23-0001)</b>		
33 19 16 23-0003 EA 1-1/2" Diameter, 0 - 100 GPM Vertical Turbine Meter, Flanged .....	770.60	106.73
33 19 16 23-0004 EA 2" Diameter, 0 - 160 GPM Vertical Turbine Meter, Flanged .....	1,077.20	135.50
33 19 16 23-0005 EA 3" Diameter, 0 - 350 GPM Vertical Turbine Meter, Flanged .....	2,038.60	172.81
33 19 16 23-0006 EA 4" Diameter, 0 - 650 GPM Vertical Turbine Meter, Flanged .....	3,049.58	270.39
33 19 16 23-0007 EA 6" Diameter, 0 - 1,300 GPM Vertical Turbine Meter, Flanged .....	5,666.53	365.94
<b>33 19 16 23-0008 Horizontal Turbine Meters (33 19 16 23-0001)</b>		
33 19 16 23-0009 EA 1-1/2" Diameter, 0 - 120 GPM Horizontal Turbine Meter, Flanged .....	1,195.17	106.73
33 19 16 23-0010 EA 2" Diameter, 0 - 160 GPM Horizontal Turbine Meter, Flanged .....	1,683.32	135.50
33 19 16 23-0011 EA 3" Diameter, 0 - 600 GPM Horizontal Turbine Meter, Flanged .....	2,281.61	172.81
33 19 16 23-0012 EA 4" Diameter, 0 - 1,000 GPM Horizontal Turbine Meter, Flanged .....	3,370.80	270.39
33 19 16 23-0013 EA 6" Diameter, 0 - 2,000 GPM Horizontal Turbine Meter, Flanged .....	6,836.88	365.94
33 19 16 23-0014 EA 8" Diameter, 0 - 3,500 GPM Horizontal Turbine Meter, Flanged .....	9,125.15	467.58
33 19 16 23-0015 EA 10" Diameter, 0 - 5,500 GPM Horizontal Turbine Meter, Flanged .....	12,690.86	569.23
33 19 16 23-0016 EA 12" Diameter, 0 - 6,600 GPM Horizontal Turbine Meter, Flanged .....	15,446.85	897.56
<b>33 19 19 Compound Water Meters (33 19)</b>		
<b>33 19 19 00-0001 Flanged Compound Type Water Service Meter (33 19 19)</b>		
33 19 19 00-0002 EA 2" Diameter, 0 To 160 GPM, Flanged And Bronze, Compound Type Water Service Meter .....	3,138.58	135.50
33 19 19 00-0003 EA 3" Diameter, 0 To 320 GPM, Flanged And Bronze, Compound Type Water Service Meter .....	3,876.53	172.81
33 19 19 00-0004 EA 4" Diameter, 0 To 500 GPM, Flanged And Bronze, Compound Type Water Service Meter .....	6,398.63	270.39
33 19 19 00-0005 EA 6" Diameter, 0 To 1,000 GPM, Flanged And Bronze, Compound Type Water Service Meter .....	8,942.95	365.94
33 19 19 00-0006 EA 8" Diameter, 0 To 1,600 GPM, Flanged And Bronze, Compound Type Water Service Meter .....	18,200.26	467.58
33 19 19 00-0007 EA 10" Diameter, 0 To 2,500 GPM, Flanged And Bronze, Compound Type Water Service Meter .....	31,031.01	569.23
<b>33 19 23 Magnetic Water Meters (33 19)</b>		
<b>33 19 23 00-0001 Flanged Electromagnetic Flow (EMF) Water Meter (33 19 23)</b>		
33 19 23 00-0002 EA 2" Diameter, Flanged, Stainless Steel, Electromagnetic Flow (EMF) Water Meter (Sensus Accu-MAG) .....	8,662.46	135.50
33 19 23 00-0003 EA 4" Diameter, Flanged, Stainless Steel, Electromagnetic Flow (EMF) Water Meter (Sensus Accu-MAG) .....	12,195.95	172.81
33 19 23 00-0004 EA 6" Diameter, Flanged, Stainless Steel, Electromagnetic Flow (EMF) Water Meter (Sensus Accu-MAG) .....	13,985.32	270.39
<b>33 19 26 Ultrasonic Water Meters (33 19)</b>		
<b>33 19 26 00-0001 Ultrasonic Water Service Meters (Mastermeter Octive) (33 19 26)</b>		
33 19 26 00-0002 EA 3" Diameter, Ductile Iron Body, Flanged, Ultrasonic Water Meter (Mastermeter Octive) .....	4,347.56	172.81
33 19 26 00-0003 EA 4" Diameter, Ductile Iron Body, Flanged, Ultrasonic Water Meter (Mastermeter Octive) .....	4,995.42	270.39
33 19 26 00-0004 EA 6" Diameter, Ductile Iron Body, Flanged, Ultrasonic Water Meter (Mastermeter Octive) .....	7,357.67	365.94
33 19 26 00-0005 EA 8" Diameter, Ductile Iron Body, Flanged, Ultrasonic Water Meter (Mastermeter Octive) .....	10,611.86	467.58

### 33 30 Sanitary Sewerage Utilities (33)

#### 33 31 Sanitary Sewerage Piping (33 30)

##### 33 31 11 Public Sanitary Sewerage Gravity Piping (33 31)

Note: Piping includes hydrostatic testing, disinfecting and warning tape. Excludes excavation and backfill. See CSI section 31 23 16 00-0000 for excavation, 31 23 16 36-0016 for backfill.





<b>Utilities</b>	<b>33</b>	<b>CS</b>
<b>Sanitary Sewerage Utilities</b>	<b>33 30</b>	
<b>Sanitary Sewerage Piping</b>	<b>33 31</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>33 31 11 00-0001</b> Cast Iron Service Saddles With U Bolt <small>(33 31 11)</small>		
33 31 11 00-0002 EA 2" Diameter x 2" Tapped Tee Cast Iron Service Saddles With U Bolt .....	116.42	
33 31 11 00-0003 EA 3" Diameter x 1-1/2" Tapped Tee Cast Iron Service Saddles With U Bolt .....	117.08	
33 31 11 00-0004 EA 3" Diameter x 2" Tapped Tee Cast Iron Service Saddles With U Bolt .....	128.79	
33 31 11 00-0005 EA 4" Diameter x 1-1/2" Tapped Tee Cast Iron Service Saddles With U Bolt .....	124.78	
33 31 11 00-0006 EA 4" Diameter x 2" Hub Tee Cast Iron Service Saddles With U Bolt .....	140.99	
33 31 11 00-0007 EA 4" Diameter x 3" Hub Tee Cast Iron Service Saddles With U Bolt .....	158.85	
33 31 11 00-0008 EA 4" Diameter x 4" Hub Tee Cast Iron Service Saddles With U Bolt .....	188.28	
33 31 11 00-0009 EA 6" Diameter x 2" Hub Tee Cast Iron Service Saddles With U Bolt .....	159.69	
33 31 11 00-0010 EA 6" Diameter x 3" Hub Tee Cast Iron Service Saddles With U Bolt .....	174.58	
33 31 11 00-0011 EA 6" Diameter x 4" Hub Tee Cast Iron Service Saddles With U Bolt .....	201.24	
33 31 11 00-0012 EA 2" Diameter x 2" Tapped Wye Cast Iron Service Saddle With U Bolt .....	162.84	
33 31 11 00-0013 EA 4" Diameter x 1-1/2" Tapped Wye Cast Iron Service Saddle With U Bolt .....	128.49	
33 31 11 00-0014 EA 4" Diameter x 2" Tapped Wye Cast Iron Service Saddle With U Bolt .....	140.20	
33 31 11 00-0015 EA 4" Diameter x 3" Hub Wye Cast Iron Service Saddle With U Bolt .....	167.53	
33 31 11 00-0016 EA 4" Diameter x 4" Hub Wye Cast Iron Service Saddle With U Bolt .....	198.94	
33 31 11 00-0017 EA 6" Diameter x 4" Hub Wye Cast Iron Service Saddle With U Bolt .....	214.53	
<b>33 31 11 00-0018</b> Plastic Sewer And Drain Piping <small>(33 31 11)</small>		
<b>33 31 11 00-0019</b> Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe <small>(33 31 11 00-0018)</small>		
33 31 11 00-0020 LF 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe .....	10.47	3.99
33 31 11 00-0021 LF 2" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe .....	12.81	4.71
33 31 11 00-0022 LF 3" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe .....	18.38	5.70
33 31 11 00-0023 LF 4" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe .....	23.36	6.64
33 31 11 00-0024 LF 6" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe .....	33.03	7.73
33 31 11 00-0025 LF 8" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe .....	45.34	8.99
33 31 11 00-0026 LF 10" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe .....	64.26	9.31
33 31 11 00-0027 LF 12" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe .....	86.42	9.64
<b>33 31 11 00-0028</b> Belled End Polyvinyl Chloride (PVC) Sewer And Drain Pipe <small>(33 31 11 00-0018)</small>		
Note: D-2729 PVC pipe.		
33 31 11 00-0029 LF 3" Belled End Polyvinyl Chloride (PVC) Sewer And Drain Pipe .....	13.81	5.70
33 31 11 00-0030 LF 4" Belled End Polyvinyl Chloride (PVC) Sewer And Drain Pipe .....	16.32	6.64
33 31 11 00-0031 LF 6" Belled End Polyvinyl Chloride (PVC) Sewer And Drain Pipe .....	21.40	7.73
<b>33 31 11 00-0032</b> Polyvinyl Chloride (PVC) Sewer And Drain Fittings <small>(33 31 11 00-0018)</small>		
<b>33 31 11 00-0033</b> 1/4 Bends, Polyvinyl Chloride (PVC) Sewer And Drain <small>(33 31 11 00-0032)</small>		
33 31 11 00-0034 EA 1-1/2" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	27.18	13.07
33 31 11 00-0035 EA 2" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	34.92	16.90
33 31 11 00-0036 EA 3" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	63.97	22.69
33 31 11 00-0037 EA 4" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	102.69	26.23
33 31 11 00-0038 EA 6" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	436.94	34.09
33 31 11 00-0039 EA 8" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	729.55	45.88
33 31 11 00-0040 EA 10" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	962.86	61.10
<b>33 31 11 00-0041</b> 1/8 Bends, Polyvinyl Chloride (PVC) Sewer And Drain <small>(33 31 11 00-0032)</small>		
33 31 11 00-0042 EA 1-1/2" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	28.93	13.07
33 31 11 00-0043 EA 2" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	34.77	16.90
33 31 11 00-0044 EA 3" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	61.34	22.69
33 31 11 00-0045 EA 4" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	89.87	26.23
33 31 11 00-0046 EA 6" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	404.29	34.09
33 31 11 00-0047 EA 8" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	653.67	45.88
33 31 11 00-0048 EA 10" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	739.67	61.10
33 31 11 00-0049 EA 12" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	1,103.09	81.38
<b>33 31 11 00-0050</b> Long Sweep 1/4 Bends, Polyvinyl Chloride (PVC) Sewer And Drain <small>(33 31 11 00-0032)</small>		
33 31 11 00-0051 EA 1-1/2" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	48.45	12.87
33 31 11 00-0052 EA 2" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	47.16	16.90
33 31 11 00-0053 EA 3" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	95.44	22.69
33 31 11 00-0054 EA 4" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	160.41	26.23
33 31 11 00-0055 EA 6" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	325.46	34.09
33 31 11 00-0056 EA 8" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	583.04	45.88
33 31 11 00-0057 EA 10" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	960.23	61.10
33 31 11 00-0058 EA 12" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	1,460.04	81.38
<b>33 31 11 00-0059</b> 1/16 Bends, Polyvinyl Chloride (PVC) Sewer And Drain <small>(33 31 11 00-0032)</small>		
33 31 11 00-0060 EA 1-1/2" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	32.66	13.07
33 31 11 00-0061 EA 2" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	38.56	16.90
33 31 11 00-0062 EA 3" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	72.24	22.69
33 31 11 00-0063 EA 4" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	110.10	26.23
33 31 11 00-0064 EA 6" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	545.53	34.09
33 31 11 00-0065 EA 8" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	887.63	45.88

<b>33</b>	<b>Utilities</b>
<b>33 30</b>	<b>Sanitary Sewerage Utilities</b>
<b>33 31</b>	<b>Sanitary Sewerage Piping</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 31 11 00-0066 EA 10" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	998.86	61.10
33 31 11 00-0067 EA 12" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	1,016.70	81.38
<b>33 31 11 00-0068 Reducers, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 11 00-0032)</b>		
33 31 11 00-0069 EA 2" x 1-1/2" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain .....	37.56	14.91
33 31 11 00-0070 EA 3" x 1-1/2" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain .....	75.10	17.80
33 31 11 00-0071 EA 3" x 2" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain .....	69.98	19.63
33 31 11 00-0072 EA 4" x 2" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain .....	112.37	21.45
33 31 11 00-0073 EA 4" x 3" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain .....	120.34	24.34
33 31 11 00-0074 EA 6" x 4" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain .....	385.24	30.13
33 31 11 00-0075 EA 8" x 6" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain .....	827.56	39.95
33 31 11 00-0076 EA 10" x 4" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain .....	216.72	43.62
33 31 11 00-0077 EA 10" x 6" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain .....	307.33	47.58
33 31 11 00-0078 EA 10" x 8" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain .....	282.62	53.43
33 31 11 00-0079 EA 12" x 6" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain .....	854.47	57.75
33 31 11 00-0080 EA 12" x 8" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain .....	901.58	63.61
33 31 11 00-0081 EA 12" x 10" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain .....	953.35	71.24
<b>33 31 11 00-0082 Sanitary Tees, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 11 00-0032)</b>		
33 31 11 00-0083 EA 1-1/2" Sanitary Tee, Polyvinyl Chloride (PVC) Sewer And Drain .....	43.13	19.75
33 31 11 00-0084 EA 2" Sanitary Tee, Polyvinyl Chloride (PVC) Sewer And Drain .....	57.62	25.54
33 31 11 00-0085 EA 3" Sanitary Tee, Polyvinyl Chloride (PVC) Sewer And Drain .....	102.17	33.69
33 31 11 00-0086 EA 4" Sanitary Tee, Polyvinyl Chloride (PVC) Sewer And Drain .....	161.10	41.85
33 31 11 00-0087 EA 6" Sanitary Tee, Polyvinyl Chloride (PVC) Sewer And Drain .....	640.95	45.88
33 31 11 00-0088 EA 8" Sanitary Tee, Polyvinyl Chloride (PVC) Sewer And Drain .....	831.37	61.10
<b>33 31 11 00-0089 Wyes, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 11 00-0032)</b>		
33 31 11 00-0090 EA 1-1/2" Wye, Polyvinyl Chloride (PVC) Sewer And Drain .....	56.69	19.75
33 31 11 00-0091 EA 2" Wye, Polyvinyl Chloride (PVC) Sewer And Drain .....	65.49	25.54
33 31 11 00-0092 EA 3" Wye, Polyvinyl Chloride (PVC) Sewer And Drain .....	112.23	33.69
33 31 11 00-0093 EA 4" Wye, Polyvinyl Chloride (PVC) Sewer And Drain .....	177.57	41.85
33 31 11 00-0094 EA 6" Wye, Polyvinyl Chloride (PVC) Sewer And Drain .....	579.16	45.88
33 31 11 00-0095 EA 8" Wye, Polyvinyl Chloride (PVC) Sewer And Drain .....	713.99	61.10
33 31 11 00-0096 EA 10" Wye, Polyvinyl Chloride (PVC) Sewer And Drain .....	938.85	81.53
33 31 11 00-0097 EA 12" Wye, Polyvinyl Chloride (PVC) Sewer And Drain .....	1,489.56	108.81
<b>33 31 11 00-0098 Reducing Wyes, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 11 00-0032)</b>		
33 31 11 00-0099 EA 2" x 1-1/2" x 1-1/2" Reducing Wye, Polyvinyl Chloride (PVC) Sewer And Drain .....	77.96	19.75
33 31 11 00-0100 EA 2" x 2" x 1" Reducing Wye, Polyvinyl Chloride (PVC) Sewer And Drain .....	86.19	25.54
33 31 11 00-0101 EA 3" x 3" x 2" Reducing Wye, Polyvinyl Chloride (PVC) Sewer And Drain .....	98.24	33.69
33 31 11 00-0102 EA 4" x 4" x 2" Reducing Wye, Polyvinyl Chloride (PVC) Sewer And Drain .....	154.98	41.85
33 31 11 00-0103 EA 4" x 4" x 3" Reducing Wye, Polyvinyl Chloride (PVC) Sewer And Drain .....	170.43	41.85
<b>33 31 11 00-0104 Double Wyes, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 11 00-0032)</b>		
33 31 11 00-0105 EA 1-1/2" Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain .....	95.95	25.54
33 31 11 00-0106 EA 2" Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain .....	124.76	33.69
33 31 11 00-0107 EA 3" Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain .....	259.82	45.48
33 31 11 00-0108 EA 4" Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain .....	471.06	55.01
33 31 11 00-0109 EA 2" x 2" x 1-1/2" x 1-1/2" Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain .....	118.35	33.69
33 31 11 00-0110 EA 3" x 3" x 2" x 2" Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain .....	210.85	45.48
33 31 11 00-0111 EA 4" x 4" x 3" x 3" Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain .....	390.18	55.01
<b>33 31 11 00-0112 Combination Wye And 1/8 Bends, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 11 00-0032)</b>		
33 31 11 00-0113 EA 1-1/2" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	73.59	19.75
33 31 11 00-0114 EA 2" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	91.87	25.54
33 31 11 00-0115 EA 3" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	191.50	33.69
33 31 11 00-0116 EA 4" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	355.36	41.85
33 31 11 00-0117 EA 2" x 2" x 1-1/2" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	149.29	25.54
33 31 11 00-0118 EA 3" x 3" x 1-1/2" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	243.51	33.69
33 31 11 00-0119 EA 3" x 3" x 2" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	171.16	33.69
33 31 11 00-0120 EA 4" x 4" x 2" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	330.98	41.85
33 31 11 00-0121 EA 4" x 4" x 3" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	353.28	41.85
<b>33 31 11 00-0122 Double Combination Wye And 1/8 Bends, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 11 00-0032)</b>		
33 31 11 00-0123 EA 1-1/2" Double Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	109.07	25.54
33 31 11 00-0124 EA 2" Double Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	126.22	33.69
33 31 11 00-0125 EA 3" Double Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	199.63	45.48
33 31 11 00-0126 EA 4" Double Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	775.06	55.01
33 31 11 00-0127 EA 6" Double Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	2,605.60	60.90



	<b>Utilities</b>	<b>33</b>	
	<b>Sanitary Sewerage Utilities</b>	<b>33 30</b>	<b>CS</b>
	<b>Sanitary Sewerage Piping</b>	<b>33 31</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>33 31 11 00-0128</b> Cleanout Tees With Plug, Polyvinyl Chloride (PVC) Sewer And Drain <small>(33 31 11 00-0032)</small>		
33 31 11 00-0129 EA 4" Polyvinyl Chloride (PVC) Cleanout Tees With Plug, Sewer And Drain .....	586.23	105.03
33 31 11 00-0130 EA 6" Polyvinyl Chloride (PVC) Cleanout Tees With Plug, Sewer And Drain .....	1,448.81	135.50
33 31 11 00-0131 EA 8" Polyvinyl Chloride (PVC) Cleanout Tees With Plug, Sewer And Drain .....	1,837.32	190.94
33 31 11 00-0132 EA 10" Polyvinyl Chloride (PVC) Cleanout Tees With Plug, Sewer And Drain .....	2,517.74	307.15
<b>33 31 11 00-0133</b> Couplings, Polyvinyl Chloride (PVC) Sewer And Drain <small>(33 31 11 00-0032)</small>		
33 31 11 00-0134 EA 1-1/2" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain .....	26.26	13.07
33 31 11 00-0135 EA 2" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain .....	32.57	16.80
33 31 11 00-0136 EA 3" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain .....	52.79	22.50
33 31 11 00-0137 EA 4" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain .....	70.52	26.23
33 31 11 00-0138 EA 6" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain .....	223.46	34.09
33 31 11 00-0139 EA 8" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain .....	566.46	45.88
33 31 11 00-0140 EA 10" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain .....	862.91	61.10
33 31 11 00-0141 EA 12" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain .....	1,435.93	81.38
<b>33 31 11 00-0142</b> Adapters, Polyvinyl Chloride (PVC) Sewer And Drain <small>(33 31 11 00-0032)</small>		
33 31 11 00-0143 EA 4" Male, Plastic Pipe x Malleable Iron Pipe Adapter, Drain And Sewer Fitting .....	132.55	71.36
33 31 11 00-0144 EA 2" x 3" x 3" Downspout Adapter, Drain And Sewer Fitting .....	90.02	54.28
33 31 11 00-0145 EA 2" x 3" x 4" Downspout Adapter, Drain And Sewer Fitting .....	93.75	54.28
33 31 11 00-0146 EA 3" x 4" x 4" Downspout Adapter, Drain And Sewer Fitting .....	103.64	54.28
33 31 11 00-0147 EA 4" Hub, Cast Iron Pipe x Plastic Pipe Adapter, Drain And Sewer Fitting.....	135.27	71.36
33 31 11 00-0148 EA 4" Spigot, Clay Pipe x Plastic Pipe Adapter, Drain And Sewer Fitting .....	127.35	71.36
33 31 11 00-0149 EA 4" Spigot, Fiberglass Pipe x Plastic Pipe Adapter, Drain And Sewer Fitting .....	114.34	71.36
33 31 11 00-0150 EA 4" Drain Grate, Drain And Sewer Fitting .....	64.72	36.69
<b>33 31 11 00-0151</b> Caps, Polyvinyl Chloride (PVC) Sewer And Drain <small>(33 31 11 00-0032)</small>		
33 31 11 00-0152 EA 3" Cap, Polyvinyl Chloride (PVC) Drain And Sewer Fitting .....	43.74	14.05
33 31 11 00-0153 EA 4" Cap, Polyvinyl Chloride (PVC) Drain And Sewer Fitting .....	77.64	17.49
33 31 11 00-0154 EA 6" Cap, Polyvinyl Chloride (PVC) Drain And Sewer Fitting .....	156.88	22.60
<b>33 31 11 00-0155</b> Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain <small>(33 31 11 00-0032)</small>		
33 31 11 00-0156 EA 1-1/2" Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain .....	24.12	13.07
33 31 11 00-0157 EA 2" Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain .....	31.52	16.90
33 31 11 00-0158 EA 3" Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain .....	48.79	22.69
33 31 11 00-0159 EA 4" Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain .....	67.57	26.23
33 31 11 00-0160 EA 6" Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain .....	125.79	34.09
33 31 11 00-0161 EA 8" Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain .....	549.28	45.88
<b>33 31 11 00-0162</b> Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe <small>(33 31 11 00-0018)</small>		
Note: ASTM 3034.		
33 31 11 00-0163 LF 4" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe .....	16.82	6.64
33 31 11 00-0164 LF 6" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe .....	22.20	7.73
33 31 11 00-0165 LF 8" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe .....	29.41	8.99
33 31 11 00-0166 LF 10" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe .....	35.76	9.31
33 31 11 00-0167 LF 12" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe .....	43.41	9.63
33 31 11 00-0168 LF 15" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe .....	56.16	9.98
33 31 11 00-0169 LF 18" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe .....	70.75	10.34
33 31 11 00-0170 LF 21" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe .....	91.49	11.23
33 31 11 00-0171 LF 24" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe .....	110.70	12.11
33 31 11 00-0172 LF 27" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe .....	137.49	14.21
<b>33 31 11 00-0173</b> Solvent Weld SDR 35 Polyvinyl Chloride (PVC) Pipe <small>(33 31 11 00-0018)</small>		
Note: ASTM 3034.		
33 31 11 00-0174 LF 4" Solvent Weld SDR 35 Polyvinyl Chloride (PVC) Pipe .....	18.94	6.64
33 31 11 00-0175 LF 6" Solvent Weld SDR 35 Polyvinyl Chloride (PVC) Pipe .....	26.79	7.73
33 31 11 00-0176 LF 8" Solvent Weld SDR 35 Polyvinyl Chloride (PVC) Pipe .....	37.76	8.99
<b>33 31 11 00-0177</b> Gasketed SDR 35 Polyvinyl Chloride (PVC) Fittings <small>(33 31 11 00-0018)</small>		
Note: ASTM 3034.		
<b>33 31 11 00-0178</b> 1/4 Bends, Gasketed SDR 35 Polyvinyl Chloride (PVC) <small>(33 31 11 00-0177)</small>		
33 31 11 00-0179 EA 4" 1/4 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC) .....	82.64	24.05
33 31 11 00-0180 EA 6" 1/4 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC) .....	124.86	27.96
33 31 11 00-0181 EA 8" 1/4 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC) .....	269.58	31.68
33 31 11 00-0182 EA 10" 1/4 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC) .....	790.21	37.28
33 31 11 00-0183 EA 12" 1/4 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC) .....	1,021.34	47.53
<b>33 31 11 00-0184</b> 1/8 Bends, Gasketed SDR 35 Polyvinyl Chloride (PVC) <small>(33 31 11 00-0177)</small>		
33 31 11 00-0185 EA 4" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC) .....	73.89	24.05
33 31 11 00-0186 EA 6" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC) .....	115.21	27.96



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 31 11 00-0187 EA 8" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	245.19	31.68
33 31 11 00-0188 EA 10" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	560.63	37.28
33 31 11 00-0189 EA 12" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	803.05	47.53
33 31 11 00-0190 EA 15" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	1,732.65	67.09
33 31 11 00-0191 EA 18" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	2,752.65	95.06
33 31 11 00-0192 EA 21" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	4,603.24	125.80
33 31 11 00-0193 EA 24" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	6,277.80	167.74
<b>33 31 11 00-0194 Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)</b> <small>(33 31 11 00-0177)</small>		
33 31 11 00-0195 EA 4" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	125.17	36.07
33 31 11 00-0196 EA 6" x 4" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	207.47	39.97
33 31 11 00-0197 EA 6" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	234.12	41.93
33 31 11 00-0198 EA 8" x 4" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	259.24	43.89
33 31 11 00-0199 EA 8" x 6" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	298.33	45.85
33 31 11 00-0200 EA 8" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	584.63	47.80
33 31 11 00-0201 EA 10" x 4" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	752.86	48.92
33 31 11 00-0202 EA 10" x 6" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	854.69	51.26
33 31 11 00-0203 EA 10" x 8" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	1,269.48	53.21
33 31 11 00-0204 EA 10" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	1,659.05	55.91
33 31 11 00-0205 EA 12" x 4" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	926.57	59.55
33 31 11 00-0206 EA 12" x 6" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	984.21	61.51
33 31 11 00-0207 EA 12" x 8" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	1,412.43	63.47
33 31 11 00-0208 EA 12" x 10" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	2,045.72	66.16
33 31 11 00-0209 EA 12" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	2,306.45	71.29
<b>33 31 11 00-0210 Wyes, Gasketed SDR 35 Polyvinyl Chloride (PVC)</b> <small>(33 31 11 00-0177)</small>		
33 31 11 00-0211 EA 4" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	118.39	36.07
33 31 11 00-0212 EA 6" x 4" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	184.85	39.97
33 31 11 00-0213 EA 6" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	203.75	41.93
33 31 11 00-0214 EA 8" x 4" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	249.54	43.89
33 31 11 00-0215 EA 8" x 6" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	286.77	45.85
33 31 11 00-0216 EA 8" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	446.43	47.80
33 31 11 00-0217 EA 10" x 4" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	687.14	49.30
33 31 11 00-0218 EA 10" x 6" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	700.62	51.26
33 31 11 00-0219 EA 10" x 8" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	1,062.04	53.21
33 31 11 00-0220 EA 10" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	1,176.16	55.91
33 31 11 00-0221 EA 12" x 4" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	871.81	59.55
33 31 11 00-0222 EA 12" x 6" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	899.16	61.51
33 31 11 00-0223 EA 12" x 8" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	1,295.85	63.47
33 31 11 00-0224 EA 12" x 10" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	1,564.89	66.16
33 31 11 00-0225 EA 12" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	1,633.19	71.29
33 31 11 00-0226 EA 15" x 10" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	2,013.45	85.74
33 31 11 00-0227 EA 15" x 12" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	2,235.22	90.86
33 31 11 00-0228 EA 15" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	2,798.91	100.64
<b>33 31 11 00-0229 Couplings, Gasketed SDR 35 Polyvinyl Chloride (PVC)</b> <small>(33 31 11 00-0177)</small>		
33 31 11 00-0230 EA 4" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	81.86	24.05
33 31 11 00-0231 EA 6" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	130.01	27.96
33 31 11 00-0232 EA 8" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	194.80	31.87
33 31 11 00-0233 EA 10" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	376.60	37.28
33 31 11 00-0234 EA 12" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	536.13	47.53
33 31 11 00-0235 EA 15" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	1,057.16	67.09
33 31 11 00-0236 EA 18" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	1,998.66	95.06
33 31 11 00-0237 EA 21" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	3,345.88	125.80
33 31 11 00-0238 EA 24" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	4,848.33	167.74
<b>33 31 11 00-0239 Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC)</b> <small>(33 31 11 00-0177)</small>		
33 31 11 00-0240 EA 6" x 4" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	163.25	26.00
33 31 11 00-0241 EA 8" x 4" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	236.97	27.96
33 31 11 00-0242 EA 8" x 6" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	249.75	29.91
33 31 11 00-0243 EA 10" x 6" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	574.06	32.61
33 31 11 00-0244 EA 10" x 8" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	660.73	34.57
33 31 11 00-0245 EA 12" x 6" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	738.55	37.74
33 31 11 00-0246 EA 12" x 8" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	848.84	39.70
33 31 11 00-0247 EA 12" x 10" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	974.32	42.40
33 31 11 00-0248 EA 15" x 12" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	1,469.06	57.31
<b>33 31 11 00-0249 Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)</b> <small>(33 31 11 00-0177)</small>		
33 31 11 00-0250 EA 6" x 4" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	132.95	
33 31 11 00-0251 EA 8" x 4" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	176.73	
33 31 11 00-0252 EA 8" x 6" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	180.92	
33 31 11 00-0253 EA 10" x 4" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	304.83	
33 31 11 00-0254 EA 10" x 6" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	322.37	
33 31 11 00-0255 EA 10" x 8" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	624.04	



<b>Utilities</b>	<b>33</b>	<b>CS</b>
<b>Sanitary Sewerage Utilities</b>	<b>33 30</b>	
<b>Sanitary Sewerage Piping</b>	<b>33 31</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 31 11 00-0256 EA 12" x 4" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	346.25	
33 31 11 00-0257 EA 12" x 6" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	379.12	
33 31 11 00-0258 EA 12" x 8" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	866.18	
33 31 11 00-0259 EA 12" x 10" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	1,024.46	
33 31 11 00-0260 EA 15" x 4" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	393.22	
33 31 11 00-0261 EA 15" x 6" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	421.91	
<b>33 31 11 00-0262 Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)</b> <small>(33 31 11 00-0177)</small>		
33 31 11 00-0263 EA 6" x 4" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	142.77	
33 31 11 00-0264 EA 8" x 4" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	176.73	
33 31 11 00-0265 EA 8" x 6" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	194.29	
33 31 11 00-0266 EA 10" x 4" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	278.82	
33 31 11 00-0267 EA 10" x 6" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	320.26	
33 31 11 00-0268 EA 10" x 8" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	493.11	
33 31 11 00-0269 EA 12" x 4" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	344.16	
33 31 11 00-0270 EA 12" x 6" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	377.14	
33 31 11 00-0271 EA 12" x 8" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	572.99	
33 31 11 00-0272 EA 12" x 10" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	700.82	
33 31 11 00-0273 EA 15" x 4" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	391.93	
33 31 11 00-0274 EA 15" x 6" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	412.19	
33 31 11 00-0275 EA 15" x 8" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	701.78	
33 31 11 00-0276 EA 15" x 10" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	778.92	
33 31 11 00-0277 EA 15" x 12" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	1,110.45	
<b>33 31 11 00-0278 Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) Pipe and Fittings</b> <small>(33 31 11 00-0018)</small> Note: ASTM F949.		
<b>33 31 11 00-0279 Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) Pipe</b> <small>(33 31 11 00-0278)</small>		
33 31 11 00-0280 LF 4" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) Pipe.....	17.23	6.64
33 31 11 00-0281 LF 6" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) Pipe.....	25.50	7.73
33 31 11 00-0282 LF 8" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) Pipe.....	33.03	8.99
33 31 11 00-0283 LF 10" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) Pipe.....	40.27	9.31
33 31 11 00-0284 LF 12" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) Pipe.....	42.81	9.63
33 31 11 00-0285 LF 15" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) Pipe.....	51.53	9.98
33 31 11 00-0286 LF 18" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) Pipe.....	67.76	10.34
33 31 11 00-0287 LF 21" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) Pipe.....	79.79	11.23
33 31 11 00-0288 LF 24" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) Pipe.....	99.24	12.11
33 31 11 00-0289 LF 30" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) Pipe.....	143.42	16.31
<b>33 31 11 00-0290 1/4 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)</b> <small>(33 31 11 00-0278)</small>		
33 31 11 00-0291 EA 4" 1/4 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	78.50	
33 31 11 00-0292 EA 6" 1/4 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	108.74	
33 31 11 00-0293 EA 8" 1/4 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	153.09	
33 31 11 00-0294 EA 10" 1/4 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	267.02	
33 31 11 00-0295 EA 12" 1/4 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	285.30	
33 31 11 00-0296 EA 15" 1/4 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	482.70	
33 31 11 00-0297 EA 18" 1/4 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	770.55	
33 31 11 00-0298 EA 21" 1/4 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	1,108.03	
33 31 11 00-0299 EA 24" 1/4 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	1,445.42	
33 31 11 00-0300 EA 30" 1/4 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	1,912.22	
<b>33 31 11 00-0301 1/8 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)</b> <small>(33 31 11 00-0278)</small>		
33 31 11 00-0302 EA 4" 1/8 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	72.58	
33 31 11 00-0303 EA 6" 1/8 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	99.96	
33 31 11 00-0304 EA 8" 1/8 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	140.32	
33 31 11 00-0305 EA 10" 1/8 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	243.03	
33 31 11 00-0306 EA 12" 1/8 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	260.17	
33 31 11 00-0307 EA 15" 1/8 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	438.30	
33 31 11 00-0308 EA 18" 1/8 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	698.16	
33 31 11 00-0309 EA 21" 1/8 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	1,000.59	
33 31 11 00-0310 EA 24" 1/8 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	1,303.10	
33 31 11 00-0311 EA 30" 1/8 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	1,722.30	
<b>33 31 11 00-0312 1/16 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)</b> <small>(33 31 11 00-0278)</small>		
33 31 11 00-0313 EA 4" 1/16 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	63.68	
33 31 11 00-0314 EA 6" 1/16 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	81.45	
33 31 11 00-0315 EA 8" 1/16 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	130.86	
33 31 11 00-0316 EA 10" 1/16 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	166.08	
33 31 11 00-0317 EA 12" 1/16 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	233.49	
33 31 11 00-0318 EA 15" 1/16 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	391.12	

**33 Utilities****33 30 Sanitary Sewerage Utilities****33 31 Sanitary Sewerage Piping**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 31 11 00-0319 EA 18" 1/16 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	574.08	
33 31 11 00-0320 EA 21" 1/16 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	890.65	
33 31 11 00-0321 EA 24" 1/16 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	1,207.24	
33 31 11 00-0322 EA 30" 1/16 Bend, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	1,717.75	
<b>33 31 11 00-0323 Wye, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)<sup>(33)</sup></b>		
33 31 11 00-0324 EA 4" Wye, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	122.98	
33 31 11 00-0325 EA 6" Wye, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	161.64	
33 31 11 00-0326 EA 8" Wye, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	297.93	
33 31 11 00-0327 EA 10" Wye, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	486.90	
33 31 11 00-0328 EA 12" Wye, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	821.89	
33 31 11 00-0329 EA 15" Wye, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	1,177.22	
33 31 11 00-0330 EA 18" Wye, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	1,712.65	
33 31 11 00-0331 EA 21" Wye, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	1,974.93	
33 31 11 00-0332 EA 24" Wye, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	2,237.13	
33 31 11 00-0333 EA 30" Wye, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	4,102.43	
<b>33 31 11 00-0334 Tees, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC)<sup>(33)</sup></b>		
33 31 11 00-0335 EA 4" Tee, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	110.84	
33 31 11 00-0336 EA 6" Tee, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	145.00	
33 31 11 00-0337 EA 8" Tee, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	263.90	
33 31 11 00-0338 EA 10" Tee, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	428.75	
33 31 11 00-0339 EA 12" Tee, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	719.74	
33 31 11 00-0340 EA 15" Tee, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	1,029.76	
33 31 11 00-0341 EA 18" Tee, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	1,496.74	
33 31 11 00-0342 EA 21" Tee, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	1,724.52	
33 31 11 00-0343 EA 24" Tee, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	1,952.24	
33 31 11 00-0344 EA 30" Tee, Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC).....	3,567.20	
<b>33 31 11 00-0345 Couplings And Plug Fittings<sup>(33 31 11)</sup></b>		
<b>33 31 11 00-0346 Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Couplings<sup>(33 31 11 00-0345)</sup></b>		
Note: For cast iron or plastic to cast iron to plastic pipe. Includes stainless steel clamps.		
33 31 11 00-0347 EA 1-1/2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-150).....	19.14	6.71
33 31 11 00-0348 EA 2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-22).....	20.93	7.83
33 31 11 00-0349 EA 3" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-33).....	24.27	8.95
33 31 11 00-0350 EA 4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-44).....	27.54	9.51
33 31 11 00-0351 EA 5" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-55).....	33.88	10.07
33 31 11 00-0352 EA 6" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-66).....	40.26	11.19
33 31 11 00-0353 EA 8" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-88).....	51.47	12.31
33 31 11 00-0354 EA 10" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-1010).....	63.81	12.86
33 31 11 00-0355 EA 12" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-1212).....	106.34	13.43
33 31 11 00-0356 EA 15" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-1515).....	145.32	14.55
33 31 11 00-0357 EA 18" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-1818).....	281.85	15.10
33 31 11 00-0358 EA 21" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-2121).....	327.69	15.95
33 31 11 00-0359 EA 24" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-2424).....	363.16	16.79
33 31 11 00-0360 EA 27" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-2727).....	435.28	17.91
<b>33 31 11 00-0361 Manhole Inside Bowl Drop<sup>(33 31 11)</sup></b>		
33 31 11 00-0362 EA Inside Pipe Drop, 4" Outlet for 4' to 5' Diameter Manhole With Stainless Steel Expansion Bolts (Reliner A4DB).....	331.87	
33 31 11 00-0363 EA Inside Pipe Drop, 4" Outlet for 6' to 8' Diameter Manhole With Stainless Steel Expansion Bolts (Reliner A4R96).....	348.12	
33 31 11 00-0364 EA Inside Pipe Drop, 6" Outlet for 4' to 5' Diameter Manhole With Stainless Steel Expansion Bolts (Reliner A6DB).....	356.43	
33 31 11 00-0365 EA Inside Pipe Drop, 6" Outlet for 6' to 8' Diameter Manhole With Stainless Steel Expansion Bolts (Reliner A6R96).....	368.80	
33 31 11 00-0366 EA Inside Pipe Drop, 8" Outlet for 4' to 5' Diameter Manhole With Stainless Steel Expansion Bolts (Reliner A8DB).....	382.81	
33 31 11 00-0367 EA Inside Pipe Drop, 8" Outlet for 6' to 8' Diameter Manhole With Stainless Steel Expansion Bolts (Reliner A8DBR84).....	410.91	
33 31 11 00-0368 EA Inside Pipe Drop, 10" Outlet for 4' to 5' Diameter Manhole With Stainless Steel Expansion Bolts (Reliner A10DB).....	427.27	
33 31 11 00-0369 EA Inside Pipe Drop, 10" Outlet for 6' to 8' Diameter Manhole With Stainless Steel Expansion Bolts (Reliner A10R96).....	441.31	
33 31 11 00-0370 EA Inside Pipe Drop, 12" Outlet for 4' to 6' Diameter Manhole With Stainless Steel Expansion Bolts (Reliner 24/12R60).....	763.09	
33 31 11 00-0371 EA Inside Pipe Drop, 12" Outlet for 7' to 8' Diameter Manhole With Stainless Steel Expansion Bolts (Reliner 24/12R96).....	784.17	
<b>33 32 Sanitary Sewerage Equipment<sup>(33 30)</sup></b>		
<b>33 32 16 Packaged Wastewater Grinder Pump Assemblies<sup>(33 32)</sup></b>		
<b>33 32 16 00-0001 Submersible Grinder Pumps, Cast Iron With Bronze Impeller<sup>(33 32 16)</sup></b>		
33 32 16 00-0002 EA 2 HP Submersible Grinder Pump, 200/208, 230 Volt, 1 Phase, 3450 RPM, 1-1/2" Threaded Discharge.....	2,147.81	331.39
Note: Zoeller 840 series.		
33 32 16 00-0003 EA 2 HP Submersible Grinder Pump, 200/208, 230, 460 Volt, 3 Phase, 3450 RPM, 1-1/2" Threaded Discharge.....	2,117.11	331.39
Note: Zoeller 840 series.		
33 32 16 00-0004 EA Simplex Control Panel With Auto Reversing Switch.....	1,017.97	110.43
Note: For Zoeller 840 series grinder pump.		



<b>Utilities</b>	<b>33</b>	<b>CS</b>
<b>Sanitary Sewerage Utilities</b>	<b>33 30</b>	
<b>Sanitary Sewerage Equipment</b>	<b>33 32</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 32 16 00-0005 EA Duplex Control Panel With Auto Reversing Switch.....	1,588.46	110.43
33 32 16 00-0006 EA Grinder Pump, 120 Gallon Sewage Basin, 1 HP, 120 V (Environment One 2012-74).....	13,270.90	
<b>33 32 16 00-0007 Submersible Grinder Pumps</b> <small>(33 32 16)</small>		
Note: Includes 50' of cord with pumps unless otherwise noted.		
33 32 16 00-0008 EA 2 HP Submersible Grinder Pump At 3,450 RPM, Explosion Proof .....	3,783.61	686.70
33 32 16 00-0009 EA 3 HP Submersible Grinder Pump At 3,450 RPM, Explosion Proof .....	5,664.33	801.16
33 32 16 00-0010 EA 5 HP Submersible Grinder Pump At 3,450 RPM, Explosion Proof .....	6,934.47	1,030.06

### 33 40 Stormwater Utilities (33)

#### 33 41 Subdrainage (33 40)

##### 33 41 16 Subdrainage Piping (33 41)

##### 33 41 16 13 Subdrainage Piping (33 41 16)

See CSI section 33 42 11 00-0209 for polyethylene drain pipe.

33 41 16 13-0001	Corrugated High Density Polyethylene (HDPE) Drainage Piping <small>(33 41 16 13)</small>		
33 41 16 13-0002	Single Wall, Corrugated High Density Polyethylene (HDPE) Piping <small>(33 41 16 13-0001)</small>		
	Note: Excludes couplings and gaskets.		
33 41 16 13-0003	Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Piping <small>(33 41 16 13-0002)</small>		
33 41 16 13-0004	LF 4" Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	5.87	4.64
	For <100, Add	0.99	
	For >1,000, Deduct	-0.53	
33 41 16 13-0005	LF 6" Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	7.72	4.97
	For <100, Add	1.13	
	For >1,000, Deduct	-0.63	
33 41 16 13-0006	LF 8" Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	10.08	5.22
	For <100, Add	1.29	
	For >1,000, Deduct	-0.77	
33 41 16 13-0007	LF 10" Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	14.35	5.38
	For <100, Add	1.52	
	For >1,000, Deduct	-0.99	
33 41 16 13-0008	LF 12" Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	17.07	5.88
	For <100, Add	1.74	
	For >1,000, Deduct	-1.15	
33 41 16 13-0009	LF 15" Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	22.93	6.63
	For <100, Add	2.14	
	For >1,000, Deduct	-1.48	
33 41 16 13-0010	LF 18" Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	36.78	11.26
	For <100, Add	3.53	
	For >1,000, Deduct	-2.40	
33 41 16 13-0011	LF 24" Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	52.21	12.37
	For <100, Add	4.47	
	For >1,000, Deduct	-3.23	
33 41 16 13-0012	Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Piping <small>(33 41 16 13-0002)</small>		
33 41 16 13-0013	LF 4" Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	5.69	4.64
	For <100, Add	0.98	
	For >1,000, Deduct	-0.52	
33 41 16 13-0014	LF 6" Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	7.64	4.97
	For <100, Add	1.13	
	For >1,000, Deduct	-0.63	
33 41 16 13-0015	LF 8" Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	13.42	5.22
	For <100, Add	1.45	
	For >1,000, Deduct	-0.93	
33 41 16 13-0016	LF 10" Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	16.11	5.38
	For <100, Add	1.61	
	For >1,000, Deduct	-1.07	
33 41 16 13-0017	LF 12" Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	19.00	5.88
	For <100, Add	1.83	
	For >1,000, Deduct	-1.24	
33 41 16 13-0018	LF 15" Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	22.72	6.63
	For <100, Add	2.13	
	For >1,000, Deduct	-1.47	
33 41 16 13-0019	LF 18" Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	35.51	11.26
	For <100, Add	3.46	
	For >1,000, Deduct	-2.34	
33 41 16 13-0020	LF 24" Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	50.20	12.37
	For <100, Add	4.37	
	For >1,000, Deduct	-3.13	
33 41 16 13-0021	Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe Fittings <small>(33 41 16 13-0001)</small>		
	Note: Excludes couplings and gaskets.		

<b>33</b>	<b>33 Utilities</b>
	<b>33 40 Stormwater Utilities</b>
	<b>33 41 Subdrainage</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>33 41 16 13-0022 Tees, Single Wall, Corrugated High Density Polyethylene (HDPE)</b> <small>(33 41 16 13-0021)</small>		
33 41 16 13-0023 EA 4" Tee, Single Wall, Corrugated High Density Polyethylene (HDPE).....	43.80	22.37
33 41 16 13-0024 EA 6" Tee, Single Wall, Corrugated High Density Polyethylene (HDPE).....	52.32	26.10
33 41 16 13-0025 EA 8" Tee, Single Wall, Corrugated High Density Polyethylene (HDPE).....	89.78	31.70
33 41 16 13-0026 EA 10" Tee, Single Wall, Corrugated High Density Polyethylene (HDPE).....	115.95	39.16
33 41 16 13-0027 EA 12" Tee, Single Wall, Corrugated High Density Polyethylene (HDPE).....	177.38	46.62
33 41 16 13-0028 EA 15" Tee, Single Wall, Corrugated High Density Polyethylene (HDPE).....	403.54	60.92
33 41 16 13-0029 EA 18" Tee, Single Wall, Corrugated High Density Polyethylene (HDPE).....	478.36	82.04
33 41 16 13-0030 EA 24" Tee, Single Wall, Corrugated High Density Polyethylene (HDPE).....	933.28	93.24
<b>33 41 16 13-0031 Wyes, Single Wall, Corrugated High Density Polyethylene (HDPE)</b> <small>(33 41 16 13-0021)</small>		
33 41 16 13-0032 EA 4" Wye, Single Wall, Corrugated High Density Polyethylene (HDPE).....	45.33	22.37
33 41 16 13-0033 EA 6" Wye, Single Wall, Corrugated High Density Polyethylene (HDPE).....	57.31	26.10
33 41 16 13-0034 EA 8" Wye, Single Wall, Corrugated High Density Polyethylene (HDPE).....	142.05	31.70
<b>33 41 16 13-0035 45 Degree Bends, Single Wall, Corrugated High Density Polyethylene (HDPE)</b> <small>(33 41 16 13-0021)</small>		
33 41 16 13-0036 EA 4" 45 Degree Bend, Single Wall, Corrugated High Density Polyethylene (HDPE).....	29.71	14.92
<b>33 41 16 13-0037 90 Degree Bends, Single Wall, Corrugated High Density Polyethylene (HDPE)</b> <small>(33 41 16 13-0021)</small>		
33 41 16 13-0038 EA 4" 90 Degree Bend, Single Wall, Corrugated High Density Polyethylene (HDPE).....	31.32	14.92
33 41 16 13-0039 EA 6" 90 Degree Bend, Single Wall, Corrugated High Density Polyethylene (HDPE).....	41.35	17.41
33 41 16 13-0040 EA 8" 90 Degree Bend, Single Wall, Corrugated High Density Polyethylene (HDPE).....	63.58	21.14
33 41 16 13-0041 EA 10" 90 Degree Bend, Single Wall, Corrugated High Density Polyethylene (HDPE).....	84.58	26.10
<b>33 41 16 13-0042 Perforated Polyvinyl Chloride (PVC) Drainage Piping, D2729</b> <small>(33 41 16 13)</small>		
Note: Includes fittings, couplings, elbows, etc.		
33 41 16 13-0043 LF 3" Perforated Polyvinyl Chloride (PVC) Drainage Piping .....	8.75	3.80
For <100, Add	1.01	
For >1,000, Deduct	-0.63	
33 41 16 13-0044 LF 4" Perforated Polyvinyl Chloride (PVC) Drainage Piping .....	9.61	4.11
For <100, Add	1.10	
For >1,000, Deduct	-0.69	
33 41 16 13-0045 LF 6" Perforated Polyvinyl Chloride (PVC) Drainage Piping .....	14.39	4.92
For <100, Add	1.46	
For >1,000, Deduct	-0.97	
33 41 16 13-0046 LF 8" Perforated Polyvinyl Chloride (PVC) Drainage Piping .....	23.84	6.15
For <100, Add	2.11	
For >1,000, Deduct	-1.50	
33 41 16 13-0047 LF 10" Perforated Polyvinyl Chloride (PVC) Drainage Piping .....	41.77	6.40
For <100, Add	3.05	
For >1,000, Deduct	-2.41	
33 41 16 13-0048 LF 12" Perforated Polyvinyl Chloride (PVC) Drainage Piping .....	54.35	6.99
For <100, Add	3.77	
For >1,000, Deduct	-3.07	
33 41 16 13-0049 LF 15" Perforated Polyvinyl Chloride (PVC) Drainage Piping .....	76.55	7.88
For <100, Add	5.01	
For >1,000, Deduct	-4.22	
<b>33 41 16 13-0050 Perforated Non-Reinforced Concrete Drainage Piping, C444</b> <small>(33 41 16 13)</small>		
33 41 16 13-0051 LF 6" Perforated Non-Reinforced Concrete Drainage Pipe.....	32.94	11.88
For Extra Strength, Add	1.88	
For >1,000, Deduct	-1.65	
33 41 16 13-0052 LF 8" Perforated Non-Reinforced Concrete Drainage Pipe.....	38.55	13.20
For Extra Strength, Add	2.31	
For >1,000, Deduct	-1.93	
33 41 16 13-0053 LF 10" Perforated Non-Reinforced Concrete Drainage Pipe.....	43.65	14.52
For Extra Strength, Add	2.69	
For >1,000, Deduct	-2.18	
33 41 16 13-0054 LF 12" Perforated Non-Reinforced Concrete Drainage Pipe.....	51.34	15.84
For Extra Strength, Add	3.37	
For >1,000, Deduct	-2.57	
<b>33 41 16 13-0055 Extra Strength Porous Non-Reinforced Concrete Drainage Piping, C654</b> <small>(33 41 16 13)</small>		
Note: Bell and spigot or tongue and groove. With seals and gaskets.		
33 41 16 13-0056 LF 6" Extra Strength Porous Non-Reinforced Concrete Drainage Pipe .....	27.13	11.88
For >1,000, Deduct	-1.36	
33 41 16 13-0057 LF 8" Extra Strength Porous Non-Reinforced Concrete Drainage Pipe .....	30.02	13.20
For >1,000, Deduct	-1.50	
33 41 16 13-0058 LF 10" Extra Strength Porous Non-Reinforced Concrete Drainage Pipe .....	33.12	14.52
For >1,000, Deduct	-1.66	
33 41 16 13-0059 LF 12" Extra Strength Porous Non-Reinforced Concrete Drainage Pipe .....	37.86	15.09
For >1,000, Deduct	-1.89	





	<b>Utilities</b>	<b>33</b>	<b>CS</b>
	<b>Stormwater Utilities</b>	<b>33 40</b>	
	<b>Subdrainage</b>	<b>33 41</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 16 13-0060 LF 15" Extra Strength Porous Non-Reinforced Concrete Drainage Pipe ..... <i>For &gt;1,000, Deduct</i>	44.05 -2.20	16.98
33 41 16 13-0061 LF 18" Extra Strength Porous Non-Reinforced Concrete Drainage Pipe ..... <i>For &gt;1,000, Deduct</i>	54.49 -2.72	21.70
33 41 16 13-0062 LF 21" Extra Strength Porous Non-Reinforced Concrete Drainage Pipe ..... <i>For &gt;1,000, Deduct</i>	68.06 -3.40	27.82
33 41 16 13-0063 LF 24" Extra Strength Porous Non-Reinforced Concrete Drainage Pipe ..... <i>For &gt;1,000, Deduct</i>	82.99 -4.15	33.96
<b>33 41 16 13-0064 Standard Strength Porous Non-Reinforced Concrete Drainage Piping, C654 (33 41 16 13)</b>		
33 41 16 13-0065 LF 6" Standard Strength Porous Non-Reinforced Concrete Drainage Pipe ..... <i>For &gt;1,000, Deduct</i>	25.21 -1.26	11.88
33 41 16 13-0066 LF 8" Standard Strength Porous Non-Reinforced Concrete Drainage Pipe ..... <i>For &gt;1,000, Deduct</i>	32.15 -1.61	13.20
33 41 16 13-0067 LF 10" Standard Strength Porous Non-Reinforced Concrete Drainage Pipe ..... <i>For &gt;1,000, Deduct</i>	40.81 -2.04	14.52
33 41 16 13-0068 LF 12" Standard Strength Porous Non-Reinforced Concrete Drainage Pipe ..... <i>For &gt;1,000, Deduct</i>	49.64 -2.48	15.84
33 41 16 13-0069 LF 15" Standard Strength Porous Non-Reinforced Concrete Drainage Pipe ..... <i>For &gt;1,000, Deduct</i>	56.88 -2.84	17.63
33 41 16 13-0070 LF 18" Standard Strength Porous Non-Reinforced Concrete Drainage Pipe ..... <i>For &gt;1,000, Deduct</i>	73.77 -3.69	21.99
<b>33 41 16 13-0071 Perforated Vitrified Clay Drainage Piping, C700 (33 41 16 13)</b>		
33 41 16 13-0072 LF 4" Perforated Vitrified Clay Drainage Pipe .....	24.92	13.20
33 41 16 13-0073 LF 6" Perforated Vitrified Clay Drainage Pipe .....	29.81	14.85
33 41 16 13-0074 LF 8" Perforated Vitrified Clay Drainage Pipe .....	34.11	14.85
33 41 16 13-0075 LF 10" Perforated Vitrified Clay Drainage Pipe .....	45.78	18.16
33 41 16 13-0076 LF 12" Perforated Vitrified Clay Drainage Pipe .....	54.49	19.81
<b>33 41 16 13-0077 Geotextile Filter Fabric Sock (33 41 16 13)</b>		
33 41 16 13-0078 LF 3" Geotextile Filter Fabric Sock .....	0.80	
33 41 16 13-0079 LF 4" Geotextile Filter Fabric Sock .....	1.06	
33 41 16 13-0080 LF 6" Geotextile Filter Fabric Sock .....	1.61	
33 41 16 13-0081 LF 8" Geotextile Filter Fabric Sock .....	2.14	
33 41 16 13-0082 LF 10" Geotextile Filter Fabric Sock .....	3.24	
33 41 16 13-0083 LF 12" Geotextile Filter Fabric Sock .....	4.50	
33 41 16 13-0084 LF 15" Geotextile Filter Fabric Sock .....	5.45	
<b>33 41 16 13-0085 Strip-Perforated, Galvanized, Corrugated Steel Pipe (33 41 16 13)</b>		
Note: Perforations are located in the bottom quarter points of the pipe.		
33 41 16 13-0086 LF 6" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe ..... <i>For Full Perforated, Add</i>	24.12 1.28	5.66
33 41 16 13-0087 LF 8" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe ..... <i>For Full Perforated, Add</i>	30.59 1.69	6.86
33 41 16 13-0088 LF 10" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe ..... <i>For Full Perforated, Add</i>	38.57 2.12	8.71
33 41 16 13-0089 LF 12" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe ..... <i>For Full Perforated, Add</i>	42.70 2.21	10.29
33 41 16 13-0090 LF 15" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe ..... <i>For Full Perforated, Add</i>	49.10 2.78	10.65
33 41 16 13-0091 LF 18" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe ..... <i>For Full Perforated, Add</i>	55.65 3.36	11.05
33 41 16 13-0092 LF 21" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe ..... <i>For Full Perforated, Add</i>	63.78 4.00	11.92
<b>33 41 16 13-0093 Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe (33 41 16 13)</b>		
Note: Perforations are located in the bottom quarter points of the pipe.		
33 41 16 13-0094 LF 6" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe ..... <i>For Full Perforated, Add</i>	26.18 1.49	5.66
33 41 16 13-0095 LF 8" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe ..... <i>For Full Perforated, Add</i>	33.38 1.97	6.86
33 41 16 13-0096 LF 10" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe ..... <i>For Full Perforated, Add</i>	41.98 2.46	8.71
33 41 16 13-0097 LF 12" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe ..... <i>For Full Perforated, Add</i>	46.01 2.54	10.29
33 41 16 13-0098 LF 15" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe ..... <i>For Full Perforated, Add</i>	53.19 3.19	10.65
33 41 16 13-0099 LF 18" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe ..... <i>For Full Perforated, Add</i>	60.51 3.84	11.05
33 41 16 13-0100 LF 21" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe ..... <i>For Full Perforated, Add</i>	69.44 4.56	11.92
<b>33 41 16 13-0101 Strip-Perforated, Corrugated Aluminum Pipe (33 41 16 13)</b>		
Note: Perforations are located in the bottom quarter points of the pipe.		

<b>33</b>	<b>Utilities</b>
<b>33 40</b>	<b>Stormwater Utilities</b>
<b>33 41</b>	<b>Subdrainage</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 16 13-0102 LF 6" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe .....	26.84	5.66
<i>For Full Perforated, Add</i>	1.55	
33 41 16 13-0103 LF 8" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe .....	34.23	6.86
<i>For Full Perforated, Add</i>	2.05	
33 41 16 13-0104 LF 10" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe .....	43.07	8.71
<i>For Full Perforated, Add</i>	2.57	
33 41 16 13-0105 LF 12" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe .....	54.18	10.29
<i>For Full Perforated, Add</i>	3.36	
33 41 16 13-0106 LF 15" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe .....	63.36	10.65
<i>For Full Perforated, Add</i>	4.21	
33 41 16 13-0107 LF 18" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe .....	72.84	11.05
<i>For Full Perforated, Add</i>	5.08	
33 41 16 13-0108 LF 21" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe .....	83.82	11.92
<i>For Full Perforated, Add</i>	6.00	
<b>33 41 16 13-0109 Prefabricated Composite Drains</b> <small>(33 41 16 13)</small>		
<b>33 41 16 13-0110 Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE)</b> <small>(33 41 16 13-0109)</small>		
Note: Excludes excavation and backfill. See CSI section 31 23 16 13-0000 for excavation and backfill.		
33 41 16 13-0111 LF 12" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE).....	11.08	2.21
<i>For External Typar Geotextile Wrap, Add</i>	2.09	
33 41 16 13-0112 EA Coupler For 12" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE).....	50.47	
33 41 16 13-0113 EA End Cap For 12" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE) .....	50.47	
33 41 16 13-0114 EA Side Outlet For 12" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE).....	98.98	
33 41 16 13-0115 EA End Outlet For 12" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE) .....	98.98	
33 41 16 13-0116 LF 18" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE).....	17.84	2.76
<i>For External Typar Geotextile Wrap, Add</i>	3.14	
33 41 16 13-0117 EA Coupler For 18" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE).....	75.38	
33 41 16 13-0118 EA End Cap For 18" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE) .....	75.38	
33 41 16 13-0119 EA Side Outlet For 18" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE).....	130.46	
33 41 16 13-0120 EA End Outlet For 18" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE) .....	130.46	
<b>33 41 19 Underslab Drainage</b> <small>(33 41)</small>		
<b>33 41 19 13 Underslab Drainage Piping</b> <small>(33 41 19)</small>		
<b>33 41 19 13-0001 Capillary Water Barrier Underslab Drainage</b> <small>(33 41 19 13)</small>		
Note: Consists of a layer of fine granular material overlying a coarse layer.		
33 41 19 13-0002 CY 2" Stone Capillary Water Barrier (Compacted Thickness) Underslab Drainage .....	61.57	
33 41 19 13-0003 CY 4" Stone Capillary Water Barrier (Compacted Thickness) Underslab Drainage .....	59.05	
33 41 19 13-0004 CY 6" Stone Capillary Water Barrier (Compacted Thickness) Underslab Drainage .....	58.04	
33 41 19 13-0005 CY 8" Stone Capillary Water Barrier (Compacted Thickness) Underslab Drainage .....	56.54	
<b>33 42 Stormwater Conveyance</b> <small>(33 42)</small>		
Note: Piping includes hydrostatic testing, disinfecting and warning tape. See CSI section 31 23 16 00-0000 for excavation, 31 23 16 36-0016 for backfill.		
<b>33 42 11 Stormwater Gravity Piping</b> <small>(33 42)</small>		
<b>33 42 11 00-0001 Reinforced Concrete Piping</b> <small>(33 42 11)</small>		
<b>33 42 11 00-0002 Class 3 Reinforced Concrete Pipe Without Gaskets</b> <small>(33 42 11 00-0001)</small>		
33 42 11 00-0003 LF 12" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	49.44	15.84
<i>For &gt;1,000, Deduct</i>	-2.47	
<i>For Class 4, Add</i>	2.55	
<i>For Class 5, Add</i>	5.36	
33 42 11 00-0004 LF 15" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	59.50	17.63
<i>For &gt;1,000, Deduct</i>	-2.98	
<i>For Class 4, Add</i>	3.26	
<i>For Class 5, Add</i>	6.86	
33 42 11 00-0005 LF 18" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	67.50	21.99
<i>For &gt;1,000, Deduct</i>	-3.38	
<i>For Class 4, Add</i>	3.43	
<i>For Class 5, Add</i>	7.22	
33 42 11 00-0006 LF 21" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	86.54	27.74
<i>For &gt;1,000, Deduct</i>	-4.33	
<i>For Class 4, Add</i>	4.46	
<i>For Class 5, Add</i>	9.38	
33 42 11 00-0007 LF 24" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	101.19	33.68
<i>For &gt;1,000, Deduct</i>	-5.06	
<i>For Class 4, Add</i>	5.04	
<i>For Class 5, Add</i>	10.62	
33 42 11 00-0008 LF 27" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	128.96	43.37
<i>For &gt;1,000, Deduct</i>	-6.45	
<i>For Class 4, Add</i>	6.37	
<i>For Class 5, Add</i>	13.40	
33 42 11 00-0009 LF 30" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	137.22	44.79
<i>For &gt;1,000, Deduct</i>	-6.86	
<i>For Class 4, Add</i>	6.89	
<i>For Class 5, Add</i>	14.50	



<b>Utilities</b>	<b>33</b>	<b>CS</b>
Stormwater Utilities	33 40	
Stormwater Conveyance	33 42	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0010 LF 36" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets ..... <i>For &gt;1,000, Deduct</i> <i>For Class 4, Add</i> <i>For Class 5, Add</i>	170.25 -8.51 9.34 19.66	50.89
33 42 11 00-0011 LF 42" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets ..... <i>For &gt;1,000, Deduct</i> <i>For Class 4, Add</i> <i>For Class 5, Add</i>	221.41 -11.07 13.51 28.44	55.98
33 42 11 00-0012 LF 48" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets ..... <i>For &gt;1,000, Deduct</i> <i>For Class 4, Add</i> <i>For Class 5, Add</i>	265.46 -13.27 16.76 35.28	62.35
33 42 11 00-0013 LF 54" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets ..... <i>For &gt;1,000, Deduct</i> <i>For Class 4, Add</i> <i>For Class 5, Add</i>	330.84 -16.54 21.76 45.81	71.24
33 42 11 00-0014 LF 60" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets ..... <i>For &gt;1,000, Deduct</i> <i>For Class 4, Add</i> <i>For Class 5, Add</i>	399.77 -19.99 26.76 56.34	82.65
33 42 11 00-0015 LF 66" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets ..... <i>For &gt;1,000, Deduct</i> <i>For Class 4, Add</i> <i>For Class 5, Add</i>	618.99 -30.95 46.43 97.74	91.61
33 42 11 00-0016 LF 72" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets ..... <i>For &gt;1,000, Deduct</i> <i>For Class 4, Add</i> <i>For Class 5, Add</i>	722.67 -36.13 55.12 116.03	99.74
33 42 11 00-0017 LF 78" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets ..... <i>For &gt;1,000, Deduct</i> <i>For Class 4, Add</i> <i>For Class 5, Add</i>	869.63 -43.48 67.39 141.86	111.97
33 42 11 00-0018 LF 84" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets ..... <i>For &gt;1,000, Deduct</i> <i>For Class 4, Add</i> <i>For Class 5, Add</i>	1,121.73 -56.09 89.64 188.72	124.68
<b>33 42 11 00-0019 Concrete Reducing Wye Without Gaskets (33 42 11 00-0001)</b>		
33 42 11 00-0020 EA 12" Concrete Reducing Wye Without Gaskets .....	615.71	60.36
33 42 11 00-0021 EA 15" Concrete Reducing Wye Without Gaskets .....	738.23	73.57
33 42 11 00-0022 EA 18" Concrete Reducing Wye Without Gaskets .....	913.26	81.12
33 42 11 00-0023 EA 21" Concrete Reducing Wye Without Gaskets .....	1,047.36	99.98
33 42 11 00-0024 EA 24" Concrete Reducing Wye Without Gaskets .....	1,182.91	120.73
<b>33 42 11 00-0025 Concrete Pipe Joint Gaskets (33 42 11 00-0001)</b>		
33 42 11 00-0026 EA 12" Diameter Concrete Pipe Joint Gasket .....	5.94	
33 42 11 00-0027 EA 15" Diameter Concrete Pipe Joint Gasket .....	7.03	
33 42 11 00-0028 EA 18" Diameter Concrete Pipe Joint Gasket .....	8.15	
33 42 11 00-0029 EA 21" Diameter Concrete Pipe Joint Gasket .....	9.85	
33 42 11 00-0030 EA 24" Diameter Concrete Pipe Joint Gasket .....	11.54	
33 42 11 00-0031 EA 27" Diameter Concrete Pipe Joint Gasket .....	12.85	
33 42 11 00-0032 EA 30" Diameter Concrete Pipe Joint Gasket .....	14.12	
33 42 11 00-0033 EA 36" Diameter Concrete Pipe Joint Gasket .....	17.26	
33 42 11 00-0034 EA 42" Diameter Concrete Pipe Joint Gasket .....	20.00	
33 42 11 00-0035 EA 48" Diameter Concrete Pipe Joint Gasket .....	23.07	
33 42 11 00-0036 EA 54" Diameter Concrete Pipe Joint Gasket .....	28.28	
33 42 11 00-0037 EA 60" Diameter Concrete Pipe Joint Gasket .....	41.86	
33 42 11 00-0038 EA 66" Diameter Concrete Pipe Joint Gasket .....	43.52	
33 42 11 00-0039 EA 72" Diameter Concrete Pipe Joint Gasket .....	45.12	
33 42 11 00-0040 EA 78" Diameter Concrete Pipe Joint Gasket .....	51.96	
33 42 11 00-0041 EA 84" Diameter Concrete Pipe Joint Gasket .....	62.30	
<b>33 42 11 00-0042 Precast Concrete Cut Off Wall (33 42 11 00-0001)</b>		
33 42 11 00-0043 EA 12" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall .....	274.38	179.14
33 42 11 00-0044 EA 15" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall .....	338.27	221.89
33 42 11 00-0045 EA 18" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall .....	418.44	280.92
33 42 11 00-0046 EA 21" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall .....	494.55	335.89
33 42 11 00-0047 EA 24" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall .....	568.53	388.72
33 42 11 00-0048 EA 27" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall .....	697.66	496.71
33 42 11 00-0049 EA 30" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall .....	906.27	683.99
33 42 11 00-0050 EA 36" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall .....	1,127.88	863.12
33 42 11 00-0051 EA 42" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall .....	1,389.63	1,082.78
33 42 11 00-0052 EA 48" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall .....	1,553.72	1,220.39
33 42 11 00-0053 EA 54" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall .....	1,733.68	1,367.97
33 42 11 00-0054 EA 60" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall .....	1,915.83	1,519.64
33 42 11 00-0055 EA 66" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall .....	1,990.98	1,577.65
33 42 11 00-0056 EA 72" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall .....	2,057.11	1,628.54
33 42 11 00-0057 EA 78" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall .....	2,123.24	1,679.44
33 42 11 00-0058 EA 84" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall .....	2,191.28	1,730.33

**33 Utilities****33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0059			<b>Strap Assembly</b> <small>(33 42 11 00-0001)</small> Note: Includes drilling holes in concrete pipe, setting threaded rod, bolts, and mounting the 12' strap.		
33 42 11 00-0060	EA		Up To 24" Diameter Pipe, 12' Strap Assembly .....	243.44	
33 42 11 00-0061	EA		>24" Diameter Pipe, 12' Strap Assembly .....	344.40	
33 42 11 00-0062			<b>Prestressed Concrete Cylinder Piping</b> <small>(33 42 11)</small>		
33 42 11 00-0063			<b>150 PSI Prestressed Concrete Cylinder Pipe And Fittings</b> <small>(33 42 11 00-0062)</small>		
33 42 11 00-0064			<b>150 PSI Prestressed Concrete Cylinder Pipe With Gaskets</b> <small>(33 42 11 00-0063)</small> Note: Lined-cylinder pipe (AWWA C301) up to 48". Embedded-cylinder pipe (AWWA C301) >48".		
33 42 11 00-0065	LF		12" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	138.11	15.84
			<i>For &gt;1,000, Deduct</i> .....	-6.91	
			<i>For 100 PSI, Deduct</i> .....	-28.87	
33 42 11 00-0066	LF		15" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	147.34	17.63
			<i>For &gt;1,000, Deduct</i> .....	-7.37	
			<i>For 100 PSI, Deduct</i> .....	-30.54	
33 42 11 00-0067	LF		18" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	160.25	21.99
			<i>For &gt;1,000, Deduct</i> .....	-8.01	
			<i>For 100 PSI, Deduct</i> .....	-32.21	
33 42 11 00-0068	LF		21" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	175.15	27.74
			<i>For &gt;1,000, Deduct</i> .....	-8.76	
			<i>For 100 PSI, Deduct</i> .....	-33.88	
33 42 11 00-0069	LF		24" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	190.32	33.68
			<i>For &gt;1,000, Deduct</i> .....	-9.52	
			<i>For 100 PSI, Deduct</i> .....	-35.56	
33 42 11 00-0070	LF		30" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	223.97	44.79
			<i>For &gt;1,000, Deduct</i> .....	-11.20	
			<i>For 100 PSI, Deduct</i> .....	-39.81	
33 42 11 00-0071	LF		36" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	248.21	50.89
			<i>For &gt;1,000, Deduct</i> .....	-12.41	
			<i>For 100 PSI, Deduct</i> .....	-44.06	
33 42 11 00-0072	LF		42" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	288.26	55.98
			<i>For &gt;1,000, Deduct</i> .....	-14.41	
			<i>For 100 PSI, Deduct</i> .....	-52.27	
33 42 11 00-0073	LF		48" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	330.95	62.35
			<i>For &gt;1,000, Deduct</i> .....	-16.55	
			<i>For 100 PSI, Deduct</i> .....	-60.47	
33 42 11 00-0074	LF		54" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	439.84	81.56
			<i>For &gt;1,000, Deduct</i> .....	-21.99	
			<i>For 100 PSI, Deduct</i> .....	-80.83	
33 42 11 00-0075	LF		60" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	530.19	94.60
			<i>For &gt;1,000, Deduct</i> .....	-26.51	
			<i>For 100 PSI, Deduct</i> .....	-98.76	
33 42 11 00-0076	LF		66" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	595.83	104.86
			<i>For &gt;1,000, Deduct</i> .....	-29.79	
			<i>For 100 PSI, Deduct</i> .....	-111.68	
33 42 11 00-0077	LF		72" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	664.51	114.18
			<i>For &gt;1,000, Deduct</i> .....	-33.23	
			<i>For 100 PSI, Deduct</i> .....	-125.35	
33 42 11 00-0078	LF		78" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	754.79	128.16
			<i>For &gt;1,000, Deduct</i> .....	-37.74	
			<i>For 100 PSI, Deduct</i> .....	-142.82	
33 42 11 00-0079	LF		84" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	845.08	142.73
			<i>For &gt;1,000, Deduct</i> .....	-42.25	
			<i>For 100 PSI, Deduct</i> .....	-160.30	
33 42 11 00-0080	LF		90" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	1,044.12	166.60
			<i>For &gt;1,000, Deduct</i> .....	-52.21	
			<i>For 100 PSI, Deduct</i> .....	-201.32	
33 42 11 00-0081	LF		96" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	1,229.04	190.26
			<i>For &gt;1,000, Deduct</i> .....	-61.45	
			<i>For 100 PSI, Deduct</i> .....	-239.31	
33 42 11 00-0082	LF		102" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	1,432.57	205.12
			<i>For &gt;1,000, Deduct</i> .....	-71.63	
			<i>For 100 PSI, Deduct</i> .....	-284.89	
33 42 11 00-0083	LF		108" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	1,617.85	217.82
			<i>For &gt;1,000, Deduct</i> .....	-80.89	
			<i>For 100 PSI, Deduct</i> .....	-326.67	
33 42 11 00-0084	LF		114" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	1,955.07	230.52
			<i>For &gt;1,000, Deduct</i> .....	-97.75	
			<i>For 100 PSI, Deduct</i> .....	-406.44	
33 42 11 00-0085	LF		120" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	2,275.56	242.14
			<i>For &gt;1,000, Deduct</i> .....	-113.78	
			<i>For 100 PSI, Deduct</i> .....	-482.41	
33 42 11 00-0086	LF		126" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	2,480.58	253.78
			<i>For &gt;1,000, Deduct</i> .....	-124.03	
			<i>For 100 PSI, Deduct</i> .....	-529.51	
33 42 11 00-0087	LF		132" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	2,688.64	265.40
			<i>For &gt;1,000, Deduct</i> .....	-134.43	
			<i>For 100 PSI, Deduct</i> .....	-577.37	
33 42 11 00-0088	LF		138" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	2,895.17	277.03
			<i>For &gt;1,000, Deduct</i> .....	-144.76	
			<i>For 100 PSI, Deduct</i> .....	-624.85	



	<b>Utilities</b>	<b>33</b>	
	Stormwater Utilities	33 40	CS
	Stormwater Conveyance	33 42	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0089 LF 144" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets..... <i>For &gt;1,000, Deduct</i> <i>For 100 PSI, Deduct</i>	3,101.71 -155.09 -672.34	288.66
<b>33 42 11 00-0090 150 PSI Prestressed Concrete Cylinder 90 Degree Elbows With Gaskets (33</b> <small>42 11 00-0063)</small>		
33 42 11 00-0091 EA 12" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	452.09	148.56
33 42 11 00-0092 EA 15" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	625.00	212.22
33 42 11 00-0093 EA 18" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	802.96	282.96
33 42 11 00-0094 EA 21" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	980.90	353.71
33 42 11 00-0095 EA 24" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	1,189.96	439.53
33 42 11 00-0096 EA 30" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	1,525.22	589.50
33 42 11 00-0097 EA 36" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	1,910.90	712.49
33 42 11 00-0098 EA 42" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	2,225.33	831.58
33 42 11 00-0099 EA 48" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	2,504.69	949.65
33 42 11 00-0100 EA 54" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	3,080.36	1,185.79
33 42 11 00-0101 EA 60" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	4,075.02	1,631.11
33 42 11 00-0102 EA 66" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	4,542.06	1,805.88
33 42 11 00-0103 EA 72" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	5,009.12	1,980.64
33 42 11 00-0104 EA 78" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	6,044.90	2,271.91
33 42 11 00-0105 EA 84" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	7,074.26	2,563.18
33 42 11 00-0106 EA 90" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	8,380.52	2,912.71
33 42 11 00-0107 EA 96" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	9,680.34	3,262.23
33 42 11 00-0108 EA 102" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	12,896.23	4,123.72
33 42 11 00-0109 EA 108" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	16,078.39	4,948.46
33 42 11 00-0110 EA 114" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	20,890.49	6,597.95
33 42 11 00-0111 EA 120" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	25,624.52	8,247.43
33 42 11 00-0112 EA 126" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	28,931.18	8,895.44
33 42 11 00-0113 EA 132" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	32,242.20	9,543.46
33 42 11 00-0114 EA 138" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	42,148.05	10,191.47
33 42 11 00-0115 EA 144" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	38,932.17	10,839.48
<b>33 42 11 00-0116 150 PSI Prestressed Concrete Cylinder 45 Degree Elbows With Gaskets (33</b> <small>42 11 00-0063)</small>		
33 42 11 00-0117 EA 12" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	421.09	148.56
33 42 11 00-0118 EA 15" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	584.89	212.22
33 42 11 00-0119 EA 18" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	755.55	282.96
33 42 11 00-0120 EA 21" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	926.20	353.71
33 42 11 00-0121 EA 24" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	1,127.97	439.53
33 42 11 00-0122 EA 30" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	1,440.14	549.89
33 42 11 00-0123 EA 36" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	1,813.66	712.49
33 42 11 00-0124 EA 42" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	2,112.89	831.58
33 42 11 00-0125 EA 48" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	2,383.75	949.65
33 42 11 00-0126 EA 54" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	2,908.07	1,185.79
33 42 11 00-0127 EA 60" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	3,911.32	1,631.11
33 42 11 00-0128 EA 66" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	4,366.50	1,805.88
33 42 11 00-0129 EA 72" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	4,821.70	1,980.64
33 42 11 00-0130 EA 78" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	5,607.41	2,271.91
33 42 11 00-0131 EA 84" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	6,386.70	2,563.18
33 42 11 00-0132 EA 90" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	7,512.82	2,912.71
33 42 11 00-0133 EA 96" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	8,632.50	3,262.23
33 42 11 00-0134 EA 102" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	11,260.84	4,077.80
33 42 11 00-0135 EA 108" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	14,039.16	4,948.46
33 42 11 00-0136 EA 114" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	18,355.13	6,597.95
33 42 11 00-0137 EA 120" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	22,593.01	8,247.43
33 42 11 00-0138 EA 126" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	25,232.20	8,895.44
33 42 11 00-0139 EA 132" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	27,875.75	10,839.48
33 42 11 00-0140 EA 138" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	30,529.24	10,191.47
33 42 11 00-0141 EA 144" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	33,501.28	10,839.48
<b>33 42 11 00-0142 400 PSI Prestressed Concrete Cylinder Pipe With Regular Joints (33 42 11 00-0062)</b>		
<b>33 42 11 00-0143 400 PSI Lined Prestressed Concrete Cylinder Pipe With Regular Joints (33 42 11</b> <small>00-0142)</small>		
Note: AWWA C301		
33 42 11 00-0144 LF 30" 400 PSI Lined Prestressed Concrete Cylinder Pipe With Regular Joints..... <i>For &gt;1,000, Deduct</i>	263.94 -13.20	44.79
33 42 11 00-0145 LF 36" 400 PSI Lined Prestressed Concrete Cylinder Pipe With Regular Joints..... <i>For &gt;1,000, Deduct</i>	322.02 -16.10	50.89
33 42 11 00-0146 LF 42" 400 PSI Lined Prestressed Concrete Cylinder Pipe With Regular Joints..... <i>For &gt;1,000, Deduct</i>	375.88 -18.79	55.98
<b>33 42 11 00-0147 400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular</b> <b>Joints (33 42 11 00-0142)</b>		
Note: AWWA C301		
33 42 11 00-0148 LF 48" 400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular Joints..... <i>For &gt;1,000, Deduct</i>	506.95 -25.35	62.29
33 42 11 00-0149 LF 54" 400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular Joints..... <i>For &gt;1,000, Deduct</i>	608.77 -30.44	81.56

**33 Utilities****33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0150 LF 60" 400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular Joints.....	701.78	94.60
For >1,000, Deduct	-35.09	
33 42 11 00-0151 LF 66" 400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular Joints.....	790.13	104.86
For >1,000, Deduct	-39.51	
33 42 11 00-0152 LF 72" 400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular Joints.....	957.34	114.18
For >1,000, Deduct	-47.87	
<b>33 42 11 00-0153 Welded Joints For Prestressed Concrete Cylinder Pipe</b> <small>(33 42 11 00-0142)</small>		
Note: All pipe joints to be exposed and dewatered. Internal joint welding also requires joints to be ventilated and air quality checked.		
33 42 11 00-0154 EA 30" Welded Joint For Prestressed Concrete Cylinder Pipe.....	2,397.70	
33 42 11 00-0155 EA 36" Welded Joint For Prestressed Concrete Cylinder Pipe.....	2,575.31	
33 42 11 00-0156 EA 42" Welded Joint For Prestressed Concrete Cylinder Pipe.....	2,664.11	
33 42 11 00-0157 EA 48" Welded Joint For Prestressed Concrete Cylinder Pipe.....	3,019.33	
33 42 11 00-0158 EA 54" Welded Joint For Prestressed Concrete Cylinder Pipe.....	3,108.13	
33 42 11 00-0159 EA 60" Welded Joint For Prestressed Concrete Cylinder Pipe.....	3,285.74	
33 42 11 00-0160 EA 66" Welded Joint For Prestressed Concrete Cylinder Pipe.....	3,374.54	
33 42 11 00-0161 EA 72" Welded Joint For Prestressed Concrete Cylinder Pipe.....	3,463.35	
33 42 11 00-0162 EA 30" Internal Welded Joint For Prestressed Concrete Cylinder Pipe.....	4,440.19	
33 42 11 00-0163 EA 36" Internal Welded Joint For Prestressed Concrete Cylinder Pipe.....	4,440.19	
33 42 11 00-0164 EA 42" Internal Welded Joint For Prestressed Concrete Cylinder Pipe.....	5,061.81	
33 42 11 00-0165 EA 48" Internal Welded Joint For Prestressed Concrete Cylinder Pipe.....	5,061.81	
33 42 11 00-0166 EA 54" Internal Welded Joint For Prestressed Concrete Cylinder Pipe.....	5,417.03	
33 42 11 00-0167 EA 60" Internal Welded Joint For Prestressed Concrete Cylinder Pipe.....	5,417.03	
33 42 11 00-0168 EA 66" Internal Welded Joint For Prestressed Concrete Cylinder Pipe.....	5,861.05	
33 42 11 00-0169 EA 72" Internal Welded Joint For Prestressed Concrete Cylinder Pipe.....	5,861.05	
<b>33 42 11 00-0170 Quick Test Joints</b> <small>(33 42 11 00-0142)</small>		
33 42 11 00-0171 EA 30" Quick Test Joint.....	608.93	
33 42 11 00-0172 EA 36" Quick Test Joint.....	614.02	
33 42 11 00-0173 EA 42" Quick Test Joint.....	619.11	
33 42 11 00-0174 EA 48" Quick Test Joint.....	631.46	
33 42 11 00-0175 EA 54" Quick Test Joint.....	660.95	
33 42 11 00-0176 EA 60" Quick Test Joint.....	684.70	
33 42 11 00-0177 EA 66" Quick Test Joint.....	720.54	
33 42 11 00-0178 EA 72" Quick Test Joint.....	756.39	
<b>33 42 11 00-0179 Harnessed Joints</b> <small>(33 42 11 00-0142)</small>		
<b>33 42 11 00-0180 Harness Clamp Restrained Joints</b> <small>(33 42 11 00-0179)</small>		
33 42 11 00-0181 EA 30" Harness Clamp Restrained Joint.....	4,032.90	
33 42 11 00-0182 EA 36" Harness Clamp Restrained Joint.....	4,189.97	
33 42 11 00-0183 EA 42" Harness Clamp Restrained Joint.....	4,347.04	
33 42 11 00-0184 EA 48" Harness Clamp Restrained Joint.....	4,504.11	
33 42 11 00-0185 EA 54" Harness Clamp Restrained Joint.....	4,675.90	
33 42 11 00-0186 EA 60" Harness Clamp Restrained Joint.....	4,915.52	
33 42 11 00-0187 EA 66" Harness Clamp Restrained Joint.....	5,079.15	
33 42 11 00-0188 EA 72" Harness Clamp Restrained Joint.....	5,440.35	
<b>33 42 11 00-0189 Snap Ring Restrained Joints</b> <small>(33 42 11 00-0179)</small>		
33 42 11 00-0190 EA 30" Snap Ring Restrained Joint.....	689.35	
33 42 11 00-0191 EA 36" Snap Ring Restrained Joint.....	785.63	
33 42 11 00-0192 EA 42" Snap Ring Restrained Joint.....	1,049.08	
33 42 11 00-0193 EA 48" Snap Ring Restrained Joint.....	1,190.95	
33 42 11 00-0194 EA 54" Snap Ring Restrained Joint.....	1,347.55	
33 42 11 00-0195 EA 60" Snap Ring Restrained Joint.....	1,526.37	
33 42 11 00-0196 EA 66" Snap Ring Restrained Joint.....	1,690.00	
33 42 11 00-0197 EA 72" Snap Ring Restrained Joint.....	1,884.03	
<b>33 42 11 00-0198 Pipe Repairs</b> <small>(33 42 11 00-0142)</small>		
Note: For repair of damaged or defective lined or embedded cylinder concrete pipe. Includes 2 concrete adapters, MJDI sleeve, 20' pipe.		
<b>33 42 11 00-0199 Lined Cylinder Pipe Repair</b> <small>(33 42 11 00-0198)</small>		
33 42 11 00-0200 EA 30" Lined Cylinder Pipe Repair.....	6,428.71	
33 42 11 00-0201 EA 36" Lined Cylinder Pipe Repair.....	7,970.48	
33 42 11 00-0202 EA 42" Lined Cylinder Pipe Repair.....	10,077.03	
<b>33 42 11 00-0203 Embedded Cylinder Pipe Repair</b> <small>(33 42 11 00-0198)</small>		
Note: Field welded concrete enclosure assembly with concrete pipe.		
33 42 11 00-0204 EA 48" Embedded Cylinder Pipe Repair.....	15,114.16	
33 42 11 00-0205 EA 54" Embedded Cylinder Pipe Repair.....	17,567.09	
33 42 11 00-0206 EA 60" Embedded Cylinder Pipe Repair.....	20,036.98	
33 42 11 00-0207 EA 66" Embedded Cylinder Pipe Repair.....	22,639.62	
33 42 11 00-0208 EA 72" Embedded Cylinder Pipe Repair.....	27,277.49	



<b>Utilities</b>	<b>33</b>	<b>CS</b>
Stormwater Utilities	33 40	
Stormwater Conveyance	33 42	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0209 High Density Polyethylene (HDPE) Piping <small>(33 42 11)</small>		
33 42 11 00-0210 Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Piping <small>(33 42 11 00-0209)</small>		
Note: Excludes couplings and gaskets.		
33 42 11 00-0211 Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Piping <small>(33 42 11 00-0210)</small>		
33 42 11 00-0212 LF 4" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe .....	15.31	6.64
For <100, Add	2.66	
For >1,000, Deduct	-1.43	
33 42 11 00-0213 LF 6" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe .....	20.57	7.73
For <100, Add	3.09	
For >1,000, Deduct	-1.80	
33 42 11 00-0214 LF 8" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe .....	25.62	8.99
For <100, Add	3.60	
For >1,000, Deduct	-2.18	
33 42 11 00-0215 LF 10" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe .....	29.63	9.31
For <100, Add	3.72	
For >1,000, Deduct	-2.41	
33 42 11 00-0216 LF 12" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe .....	31.24	9.63
For <100, Add	3.85	
For >1,000, Deduct	-2.53	
33 42 11 00-0217 LF 15" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe .....	36.00	9.98
For <100, Add	3.99	
For >1,000, Deduct	-2.80	
33 42 11 00-0218 LF 18" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe .....	44.61	10.34
For <100, Add	4.14	
For >1,000, Deduct	-3.26	
33 42 11 00-0219 LF 24" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe .....	62.35	12.11
For <100, Add	4.85	
For >1,000, Deduct	-4.33	
33 42 11 00-0220 LF 30" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe .....	88.92	16.31
For <100, Add	6.52	
For >1,000, Deduct	-6.08	
33 42 11 00-0221 LF 36" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe .....	117.35	20.61
For <100, Add	8.24	
For >1,000, Deduct	-7.93	
33 42 11 00-0222 Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Piping <small>(33 42 11 00-0210)</small>		
33 42 11 00-0223 LF 12" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe .....	31.03	9.63
For <100, Add	3.85	
For >1,000, Deduct	-2.52	
33 42 11 00-0224 LF 15" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe .....	36.84	9.98
For <100, Add	3.99	
For >1,000, Deduct	-2.84	
33 42 11 00-0225 LF 18" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe .....	45.88	10.34
For <100, Add	4.14	
For >1,000, Deduct	-3.33	
33 42 11 00-0226 LF 24" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe .....	64.35	12.11
For <100, Add	4.85	
For >1,000, Deduct	-4.43	
33 42 11 00-0227 LF 30" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe .....	94.41	16.31
For <100, Add	6.52	
For >1,000, Deduct	-6.35	
33 42 11 00-0228 LF 36" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe .....	121.43	20.61
For <100, Add	8.24	
For >1,000, Deduct	-8.13	
33 42 11 00-0229 LF 42" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe .....	160.75	22.48
For <100, Add	8.99	
For >1,000, Deduct	-10.29	
33 42 11 00-0230 LF 48" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe .....	174.82	25.37
For <100, Add	10.14	
For >1,000, Deduct	-11.28	
33 42 11 00-0231 Perforated, Corrugated High Density Polyethylene (HDPE) Piping <small>(33 42 11 00-0209)</small>		
Note: Excludes couplings and gaskets.		
33 42 11 00-0232 Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Piping <small>(33 42 11 00-0231)</small>		
33 42 11 00-0233 LF 4" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe .....	16.36	6.64
For <100, Add	2.66	
For >1,000, Deduct	-1.48	
33 42 11 00-0234 LF 6" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe .....	20.61	7.73
For <100, Add	3.09	
For >1,000, Deduct	-1.80	
33 42 11 00-0235 LF 8" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe .....	25.62	8.99
For <100, Add	3.60	
For >1,000, Deduct	-2.18	

**33 Utilities****33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0236 LF 10" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	29.66	9.31
For <100, Add	3.72	
For >1,000, Deduct	-2.41	
33 42 11 00-0237 LF 12" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	31.24	9.63
For <100, Add	3.85	
For >1,000, Deduct	-2.53	
33 42 11 00-0238 LF 15" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	36.03	9.98
For <100, Add	3.99	
For >1,000, Deduct	-2.80	
33 42 11 00-0239 LF 18" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	44.65	10.34
For <100, Add	4.14	
For >1,000, Deduct	-3.27	
33 42 11 00-0240 LF 24" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	62.35	12.11
For <100, Add	4.85	
For >1,000, Deduct	-4.33	
33 42 11 00-0241 LF 30" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	89.27	16.31
For <100, Add	6.52	
For >1,000, Deduct	-6.09	
33 42 11 00-0242 LF 36" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	117.35	20.61
For <100, Add	8.24	
For >1,000, Deduct	-7.93	
<b>33 42 11 00-0243 Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Piping (33 42 11 00-0231)</b>		
33 42 11 00-0244 LF 12" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	31.06	9.63
For <100, Add	3.85	
For >1,000, Deduct	-2.52	
33 42 11 00-0245 LF 15" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	36.88	9.98
For <100, Add	3.99	
For >1,000, Deduct	-2.84	
33 42 11 00-0246 LF 18" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	45.91	10.34
For <100, Add	4.14	
For >1,000, Deduct	-3.33	
33 42 11 00-0247 LF 24" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	64.35	12.11
For <100, Add	4.85	
For >1,000, Deduct	-4.43	
33 42 11 00-0248 LF 30" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	94.41	16.31
For <100, Add	6.52	
For >1,000, Deduct	-6.35	
33 42 11 00-0249 LF 36" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	121.43	20.61
For <100, Add	8.24	
For >1,000, Deduct	-8.13	
33 42 11 00-0250 LF 42" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	160.75	22.48
For <100, Add	8.99	
For >1,000, Deduct	-10.29	
33 42 11 00-0251 LF 48" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	174.82	25.37
For <100, Add	10.14	
For >1,000, Deduct	-11.28	
<b>33 42 11 00-0252 Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe Fittings (33 42 11 00-0209)</b>		
Note: Excludes couplings and gaskets.		
<b>33 42 11 00-0253 Tees, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) (33 42 11 00-0252)</b>		
33 42 11 00-0254 EA 4" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	68.66	22.37
33 42 11 00-0255 EA 6" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	87.22	26.10
33 42 11 00-0256 EA 8" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	145.80	31.70
33 42 11 00-0257 EA 10" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	226.78	39.16
33 42 11 00-0258 EA 12" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	365.05	46.62
33 42 11 00-0259 EA 15" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	517.56	60.92
33 42 11 00-0260 EA 18" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	746.96	82.04
33 42 11 00-0261 EA 24" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	963.00	93.65
33 42 11 00-0262 EA 30" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	1,708.73	108.16
33 42 11 00-0263 EA 36" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	2,201.22	124.94
33 42 11 00-0264 EA 42" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	3,692.52	149.18
33 42 11 00-0265 EA 48" Tee, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	4,639.54	177.15
<b>33 42 11 00-0266 Wyes, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) (33 42 11 00-0252)</b>		
33 42 11 00-0267 EA 4" Wye, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	105.57	22.37
33 42 11 00-0268 EA 6" Wye, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	127.73	26.10





	<b>Utilities</b>	<b>33</b>	
	<b>Stormwater Utilities</b>	<b>33 40</b>	<b>CS</b>
	<b>Stormwater Conveyance</b>	<b>33 42</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0269 EA 8" Wye, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	171.38	31.70
33 42 11 00-0270 EA 10" Wye, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	254.97	39.16
33 42 11 00-0271 EA 12" Wye, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	455.77	46.62
33 42 11 00-0272 EA 15" Wye, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	489.73	60.92
33 42 11 00-0273 EA 18" Wye, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	692.83	82.04
<b>33 42 11 00-0274 22-1/2 Degree Bends, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) (33 42 11 00-0252)</b>		
33 42 11 00-0275 EA 4" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	41.13	14.92
33 42 11 00-0276 EA 6" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	51.24	17.41
33 42 11 00-0277 EA 8" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	76.73	21.14
33 42 11 00-0278 EA 10" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	96.79	26.10
33 42 11 00-0279 EA 12" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	143.60	31.08
33 42 11 00-0280 EA 15" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	231.21	39.78
33 42 11 00-0281 EA 18" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	305.51	54.70
33 42 11 00-0282 EA 24" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	599.19	62.15
33 42 11 00-0283 EA 30" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	839.21	72.10
33 42 11 00-0284 EA 36" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	984.00	83.29
33 42 11 00-0285 EA 42" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	1,260.77	99.45
33 42 11 00-0286 EA 48" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	1,712.02	118.09
<b>33 42 11 00-0287 45 Degree Bends, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) (33 42 11 00-0252)</b>		
33 42 11 00-0288 EA 4" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	45.17	14.92
33 42 11 00-0289 EA 6" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	59.65	17.41
33 42 11 00-0290 EA 8" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	81.02	21.14
33 42 11 00-0291 EA 10" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	131.74	26.10
33 42 11 00-0292 EA 12" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	143.60	31.08
33 42 11 00-0293 EA 15" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	230.51	39.78
33 42 11 00-0294 EA 18" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	361.87	54.70
33 42 11 00-0295 EA 24" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	642.74	62.15
33 42 11 00-0296 EA 30" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	841.28	72.10
33 42 11 00-0297 EA 36" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	1,077.84	83.29
33 42 11 00-0298 EA 42" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	1,622.99	99.45
33 42 11 00-0299 EA 48" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE).....	2,036.67	118.09
<b>33 42 11 00-0300 Couplings And End Caps, Corrugated High Density Polyethylene (HDPE) Pipe Fittings (33 42 11 00-0209)</b>		
Note: For single and double wall high density polyethylene (HDPE) piping.		
<b>33 42 11 00-0301 Couplings, Corrugated High Density Polyethylene (HDPE) Pipe (33 42 11 00-0300)</b>		
33 42 11 00-0302 EA 4" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe .....	2.41	
33 42 11 00-0303 EA 6" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe .....	4.32	
33 42 11 00-0304 EA 8" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe .....	6.65	
33 42 11 00-0305 EA 10" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe .....	8.18	
33 42 11 00-0306 EA 12" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe .....	8.80	
33 42 11 00-0307 EA 15" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe .....	12.53	
33 42 11 00-0308 EA 18" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe .....	18.54	
33 42 11 00-0309 EA 24" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe .....	29.51	
33 42 11 00-0310 EA 30" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe .....	45.31	
33 42 11 00-0311 EA 36" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe .....	59.29	
33 42 11 00-0312 EA 42" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe .....	93.20	
33 42 11 00-0313 EA 48" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe .....	126.05	
<b>33 42 11 00-0314 Self Adhering Gaskets, Corrugated High Density Polyethylene (HDPE) Pipe (33 42 11 00-0300)</b>		
33 42 11 00-0315 EA 4" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	127.63	
33 42 11 00-0316 EA 6" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	133.64	
33 42 11 00-0317 EA 8" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	139.93	
33 42 11 00-0318 EA 10" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	146.51	
33 42 11 00-0319 EA 12" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	173.77	
33 42 11 00-0320 EA 15" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	179.41	
33 42 11 00-0321 EA 18" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	187.13	
33 42 11 00-0322 EA 24" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	213.14	
33 42 11 00-0323 EA 30" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	341.68	
33 42 11 00-0324 EA 36" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	374.25	
33 42 11 00-0325 EA 42" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	407.78	
33 42 11 00-0326 EA 48" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	495.26	
<b>33 42 11 00-0327 End Caps, Corrugated High Density Polyethylene (HDPE) Pipe (33 42 11 00-0300)</b>		
33 42 11 00-0328 EA 6" End Cap For Corrugated High Density Polyethylene (HDPE) Pipe .....	32.98	
33 42 11 00-0329 EA 8" End Cap For Corrugated High Density Polyethylene (HDPE) Pipe .....	38.75	
33 42 11 00-0330 EA 10" End Cap For Corrugated High Density Polyethylene (HDPE) Pipe .....	63.00	
33 42 11 00-0331 EA 12" End Cap For Corrugated High Density Polyethylene (HDPE) Pipe .....	107.39	
33 42 11 00-0332 EA 15" End Cap For Corrugated High Density Polyethylene (HDPE) Pipe .....	125.01	

**33 Utilities****33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0333 EA 18" End Cap For Corrugated High Density Polyethylene (HDPE) Pipe .....	169.09	
33 42 11 00-0334 EA 24" End Cap For Corrugated High Density Polyethylene (HDPE) Pipe .....	175.17	
<b>33 42 11 00-0335 Vitrified Clay Piping (33 42 11)</b>		
<b>33 42 11 00-0336 Extra Strength Vitrified Clay Piping (33 42 11 00-0335)</b>		
<b>33 42 11 00-0337 Plain Joint, Extra Strength, Vitrified Clay Piping (33 42 11 00-0336)</b>		
Note: ASTM C700.		
33 42 11 00-0338 LF 4" Plain Joint, Extra Strength, Vitrified Clay Pipe .....	20.65	
For 3' Lengths, Add	1.83	
For 2' Lengths, Add	2.44	
For Standard Strength, Deduct	-0.61	
For >1,000, Deduct	-1.03	
33 42 11 00-0339 LF 6" Plain Joint, Extra Strength, Vitrified Clay Pipe .....	34.28	
For 3' Lengths, Add	2.84	
For 2' Lengths, Add	3.79	
For Standard Strength, Deduct	-0.95	
For >1,000, Deduct	-1.71	
33 42 11 00-0340 LF 8" Plain Joint, Extra Strength, Vitrified Clay Pipe .....	41.10	
For 3' Lengths, Add	4.07	
For 2' Lengths, Add	5.42	
For Standard Strength, Deduct	-1.36	
For >1,000, Deduct	-2.06	
33 42 11 00-0341 LF 10" Plain Joint, Extra Strength, Vitrified Clay Pipe .....	49.29	
For 3' Lengths, Add	6.23	
For 2' Lengths, Add	8.30	
For Standard Strength, Deduct	-2.08	
For >1,000, Deduct	-2.46	
33 42 11 00-0342 LF 12" Plain Joint, Extra Strength, Vitrified Clay Pipe .....	60.43	
For 3' Lengths, Add	8.79	
For 2' Lengths, Add	11.72	
For Standard Strength, Deduct	-2.93	
For >1,000, Deduct	-3.02	
33 42 11 00-0343 LF 15" Plain Joint, Extra Strength, Vitrified Clay Pipe .....	89.58	
For 3' Lengths, Add	16.48	
For 2' Lengths, Add	21.98	
For Standard Strength, Deduct	-5.49	
For >1,000, Deduct	-4.48	
33 42 11 00-0344 LF 18" Plain Joint, Extra Strength, Vitrified Clay Pipe .....	121.96	
For 3' Lengths, Add	23.63	
For 2' Lengths, Add	31.50	
For Standard Strength, Deduct	-7.88	
For >1,000, Deduct	-6.10	
33 42 11 00-0345 LF 21" Plain Joint, Extra Strength, Vitrified Clay Pipe .....	180.65	
For 3' Lengths, Add	37.85	
For 2' Lengths, Add	50.46	
For Standard Strength, Deduct	-12.62	
For >1,000, Deduct	-9.03	
33 42 11 00-0346 LF 24" Plain Joint, Extra Strength, Vitrified Clay Pipe .....	230.99	
For 3' Lengths, Add	49.45	
For 2' Lengths, Add	65.93	
For Standard Strength, Deduct	-16.48	
For >1,000, Deduct	-11.55	
33 42 11 00-0347 LF 30" Plain Joint, Extra Strength, Vitrified Clay Pipe .....	285.86	
For 3' Lengths, Add	61.65	
For 2' Lengths, Add	82.20	
For Standard Strength, Deduct	-20.55	
For >1,000, Deduct	-14.29	
33 42 11 00-0348 LF 36" Plain Joint, Extra Strength, Vitrified Clay Pipe .....	345.80	
For 3' Lengths, Add	74.47	
For 2' Lengths, Add	99.30	
For Standard Strength, Deduct	-24.82	
For >1,000, Deduct	-17.29	
<b>33 42 11 00-0349 Compression Joint, Extra Strength, Vitrified Clay Piping (33 42 11 00-0336)</b>		
Note: ASTM C425.		
33 42 11 00-0350 LF 4" Compression Joint, Extra Strength, Vitrified Clay Pipe .....	29.24	
For 3' Lengths, Add	2.16	
For 2' Lengths, Add	2.88	
For Standard Strength, Deduct	-0.72	
For >1,000, Deduct	-1.46	
33 42 11 00-0351 LF 6" Compression Joint, Extra Strength, Vitrified Clay Pipe .....	36.56	
For 3' Lengths, Add	3.53	
For 2' Lengths, Add	4.70	
For Standard Strength, Deduct	-1.18	
For >1,000, Deduct	-1.83	
33 42 11 00-0352 LF 8" Compression Joint, Extra Strength, Vitrified Clay Pipe .....	44.15	
For 3' Lengths, Add	4.98	
For 2' Lengths, Add	6.64	
For Standard Strength, Deduct	-1.66	
For >1,000, Deduct	-2.21	



<b>Utilities</b>	<b>33</b>	<b>CS</b>
Stormwater Utilities	33 40	
Stormwater Conveyance	33 42	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0353 LF 10" Compression Joint, Extra Strength, Vitrified Clay Pipe.....	55.81	
For 3' Lengths, Add	8.18	
For 2' Lengths, Add	10.91	
For Standard Strength, Deduct	-2.73	
For >1,000, Deduct	-2.79	
33 42 11 00-0354 LF 12" Compression Joint, Extra Strength, Vitrified Clay Pipe.....	66.94	
For 3' Lengths, Add	10.74	
For 2' Lengths, Add	14.32	
For Standard Strength, Deduct	-3.58	
For >1,000, Deduct	-3.35	
33 42 11 00-0355 LF 15" Compression Joint, Extra Strength, Vitrified Clay Pipe.....	99.96	
For 3' Lengths, Add	19.60	
For 2' Lengths, Add	26.13	
For Standard Strength, Deduct	-6.53	
For >1,000, Deduct	-5.00	
33 42 11 00-0356 LF 18" Compression Joint, Extra Strength, Vitrified Clay Pipe.....	138.84	
For 3' Lengths, Add	28.69	
For 2' Lengths, Add	38.25	
For Standard Strength, Deduct	-9.56	
For >1,000, Deduct	-6.94	
33 42 11 00-0357 LF 21" Compression Joint, Extra Strength, Vitrified Clay Pipe.....	199.98	
For 3' Lengths, Add	43.65	
For 2' Lengths, Add	58.20	
For Standard Strength, Deduct	-14.55	
For >1,000, Deduct	-10.00	
33 42 11 00-0358 LF 24" Compression Joint, Extra Strength, Vitrified Clay Pipe.....	261.51	
For 3' Lengths, Add	58.60	
For 2' Lengths, Add	78.14	
For Standard Strength, Deduct	-19.53	
For >1,000, Deduct	-13.08	
33 42 11 00-0359 LF 30" Compression Joint, Extra Strength, Vitrified Clay Pipe.....	420.16	
For 3' Lengths, Add	101.94	
For 2' Lengths, Add	135.92	
For Standard Strength, Deduct	-33.98	
For >1,000, Deduct	-21.01	
33 42 11 00-0360 LF 36" Compression Joint, Extra Strength, Vitrified Clay Pipe.....	598.11	
For 3' Lengths, Add	150.17	
For 2' Lengths, Add	200.22	
For Standard Strength, Deduct	-50.06	
For >1,000, Deduct	-29.91	
<b>33 42 11 00-0361 Extra Strength, Vitrified Clay Pipe Fittings (33 42 11 00-0335)</b>		
<b>33 42 11 00-0362 1/8 Bends, Extra Strength, Vitrified Clay (33 42 11 00-0361)</b>		
<b>33 42 11 00-0363 Plain End 1/8 Bend, Extra Strength, Vitrified Clay (33 42 11 00-0362)</b>		
33 42 11 00-0364 EA 4" Plain End 1/8 Bend, Extra Strength, Vitrified Clay.....	87.21	
33 42 11 00-0365 EA 6" Plain End 1/8 Bend, Extra Strength, Vitrified Clay.....	118.07	
33 42 11 00-0366 EA 8" Plain End 1/8 Bend, Extra Strength, Vitrified Clay.....	169.36	
33 42 11 00-0367 EA 10" Plain End 1/8 Bend, Extra Strength, Vitrified Clay.....	233.17	
33 42 11 00-0368 EA 12" Plain End 1/8 Bend, Extra Strength, Vitrified Clay.....	308.74	
33 42 11 00-0369 EA 15" Plain End 1/8 Bend, Extra Strength, Vitrified Clay.....	742.40	
33 42 11 00-0370 EA 18" Plain End 1/8 Bend, Extra Strength, Vitrified Clay.....	1,047.81	
33 42 11 00-0371 EA 21" Plain End 1/8 Bend, Extra Strength, Vitrified Clay.....	1,636.50	
33 42 11 00-0372 EA 24" Plain End 1/8 Bend, Extra Strength, Vitrified Clay.....	1,888.35	
33 42 11 00-0373 EA 30" Plain End 1/8 Bend, Extra Strength, Vitrified Clay.....	2,192.11	
33 42 11 00-0374 EA 36" Plain End 1/8 Bend, Extra Strength, Vitrified Clay.....	3,292.65	
<b>33 42 11 00-0375 Compression Joint 1/8 Bends, Extra Strength, Vitrified Clay (33 42 11 00-0362)</b>		
33 42 11 00-0376 EA 4" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay.....	98.44	
33 42 11 00-0377 EA 6" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay.....	140.50	
33 42 11 00-0378 EA 8" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay.....	190.87	
33 42 11 00-0379 EA 10" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay.....	256.16	
33 42 11 00-0380 EA 12" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay.....	325.73	
33 42 11 00-0381 EA 15" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay.....	832.48	
33 42 11 00-0382 EA 18" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay.....	1,212.17	
33 42 11 00-0383 EA 21" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay.....	1,244.68	
33 42 11 00-0384 EA 24" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay.....	2,418.93	
33 42 11 00-0385 EA 30" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay.....	2,692.63	
33 42 11 00-0386 EA 36" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay.....	4,003.32	
<b>33 42 11 00-0387 1/4 Bends, Extra Strength, Vitrified Clay (33 42 11 00-0361)</b>		
<b>33 42 11 00-0388 Plain End 1/4 Bends, Extra Strength, Vitrified Clay (33 42 11 00-0387)</b>		
33 42 11 00-0389 EA 4" Plain End 1/4 Bend, Extra Strength, Vitrified Clay.....	101.75	
33 42 11 00-0390 EA 6" Plain End 1/4 Bend, Extra Strength, Vitrified Clay.....	135.58	
33 42 11 00-0391 EA 8" Plain End 1/4 Bend, Extra Strength, Vitrified Clay.....	189.85	
33 42 11 00-0392 EA 10" Plain End 1/4 Bend, Extra Strength, Vitrified Clay.....	255.28	
33 42 11 00-0393 EA 12" Plain End 1/4 Bend, Extra Strength, Vitrified Clay.....	333.66	
33 42 11 00-0394 EA 15" Plain End 1/4 Bend, Extra Strength, Vitrified Clay.....	770.11	
33 42 11 00-0395 EA 18" Plain End 1/4 Bend, Extra Strength, Vitrified Clay.....	1,082.38	

**33 Utilities****33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0396 EA 21" Plain End 1/4 Bend, Extra Strength, Vitrified Clay .....	1,680.09	
33 42 11 00-0397 EA 24" Plain End 1/4 Bend, Extra Strength, Vitrified Clay .....	1,941.29	
33 42 11 00-0398 EA 30" Plain End 1/4 Bend, Extra Strength, Vitrified Clay .....	2,258.11	
33 42 11 00-0399 EA 36" Plain End 1/4 Bend, Extra Strength, Vitrified Clay .....	3,366.02	
<b>33 42 11 00-0400 Compression Joint 1/4 Bends, Extra Strength, Vitrified Clay (33 42 11 00-0387)</b>		
33 42 11 00-0401 EA 4" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay .....	115.90	
33 42 11 00-0402 EA 6" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay .....	161.53	
33 42 11 00-0403 EA 8" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay .....	215.46	
33 42 11 00-0404 EA 10" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay .....	282.68	
33 42 11 00-0405 EA 12" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay .....	355.62	
33 42 11 00-0406 EA 15" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay .....	865.74	
33 42 11 00-0407 EA 18" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay .....	1,253.64	
33 42 11 00-0408 EA 21" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay .....	2,437.62	
33 42 11 00-0409 EA 24" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay .....	2,482.45	
33 42 11 00-0410 EA 30" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay .....	2,771.85	
33 42 11 00-0411 EA 36" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay .....	4,091.37	
<b>33 42 11 00-0412 Wyes Or Tees, Extra Strength, Vitrified Clay (33 42 11 00-0361)</b>		
<b>33 42 11 00-0413 Plain End Wyes Or Tees, Extra Strength, Vitrified Clay (33 42 11 00-0412)</b>		
33 42 11 00-0414 EA 4" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay .....	111.46	
33 42 11 00-0415 EA 6" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay .....	145.80	
33 42 11 00-0416 EA 8" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay .....	198.79	
33 42 11 00-0417 EA 10" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay .....	263.03	
33 42 11 00-0418 EA 12" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay .....	333.22	
33 42 11 00-0419 EA 15" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay .....	776.61	
33 42 11 00-0420 EA 18" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay .....	1,087.76	
33 42 11 00-0421 EA 21" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay .....	1,573.12	
33 42 11 00-0422 EA 24" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay .....	2,190.89	
33 42 11 00-0423 EA 30" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay .....	2,316.47	
33 42 11 00-0424 EA 36" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay .....	3,336.50	
<b>33 42 11 00-0425 Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay (33 42 11 00-0412)</b>		
33 42 11 00-0426 EA 4" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay .....	136.23	
33 42 11 00-0427 EA 6" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay .....	187.39	
33 42 11 00-0428 EA 8" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay .....	247.38	
33 42 11 00-0429 EA 10" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay .....	320.25	
33 42 11 00-0430 EA 12" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay .....	400.27	
33 42 11 00-0431 EA 15" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay .....	944.79	
33 42 11 00-0432 EA 18" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay .....	1,363.11	
33 42 11 00-0433 EA 21" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay .....	2,025.82	
33 42 11 00-0434 EA 24" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay .....	2,685.26	
33 42 11 00-0435 EA 30" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay .....	3,104.81	
33 42 11 00-0436 EA 36" Compression Joint, Extra Strength, Vitrified Clay Wye Or Tee .....	4,413.12	
<b>33 42 11 00-0437 Vitrified Clay Couplings (33 42 11 00-0335)</b>		
<b>33 42 11 00-0438 Vitrified Clay To Cast Iron Or Plastic Pipe Couplings (33 42 11 00-0437)</b>		
Note: Stainless steel tightening band at each end (Fernco #1002)		
33 42 11 00-0439 EA 4" x 3" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling .....	45.45	
33 42 11 00-0440 EA 4" x 4" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling .....	44.88	
33 42 11 00-0441 EA 5" x 4" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling .....	65.74	
33 42 11 00-0442 EA 5" x 5" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling .....	61.16	
33 42 11 00-0443 EA 6" x 4" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling .....	82.45	
33 42 11 00-0444 EA 6" x 5" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling .....	86.42	
33 42 11 00-0445 EA 6" x 6" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling .....	77.64	
33 42 11 00-0446 EA 8" x 6" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling .....	118.50	
33 42 11 00-0447 EA 8" x 8" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling .....	108.46	
33 42 11 00-0448 EA 10" x 8" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling .....	158.83	
33 42 11 00-0449 EA 10" x 10" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling .....	143.32	
33 42 11 00-0450 EA 12" x 10" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling .....	200.34	
33 42 11 00-0451 EA 12" x 12" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling .....	164.72	
33 42 11 00-0452 EA 15" x 12" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling .....	349.85	
33 42 11 00-0453 EA 15" x 15" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling .....	264.95	
<b>33 42 11 00-0454 Vitrified Clay To Vitrified Clay Pipe Non-Shear Couplings (33 42 11 00-0437)</b>		
Note: Stainless steel tightening band at each end. (NDS Non-shear)		
33 42 11 00-0455 EA 4" x 4" Vitrified Clay To Vitrified Clay Pipe Non-Shear Coupling .....	71.73	
33 42 11 00-0456 EA 6" x 4" Vitrified Clay To Vitrified Clay Pipe Non-Shear Coupling .....	95.83	
33 42 11 00-0457 EA 6" x 6" Vitrified Clay To Vitrified Clay Pipe Non-Shear Coupling .....	101.47	
33 42 11 00-0458 EA 8" x 8" Vitrified Clay To Vitrified Clay Pipe Non-Shear Coupling .....	106.37	
33 42 11 00-0459 EA 10" x 10" Vitrified Clay To Vitrified Clay Pipe Non-Shear Coupling .....	131.72	
33 42 11 00-0460 EA 12" x 12" Vitrified Clay To Vitrified Clay Pipe Non-Shear Coupling .....	153.09	



<b>Utilities</b>	<b>33</b>	<b>CS</b>
Stormwater Utilities	33 40	
Stormwater Conveyance	33 42	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>33 42 11 00-0461</b> <b>Vitrified Clay To Plastic Pipe Non-Shear Couplings</b> <small>(33 42 11 00-0437)</small>		
<i>Note: Stainless steel tightening band at each end. (NDS Non-shear)</i>		
33 42 11 00-0462    EA    4" x 4" Vitrified Clay To Plastic Pipe Non-Shear Coupling .....	73.62	
33 42 11 00-0463    EA    6" x 4" Vitrified Clay To Plastic Pipe Non-Shear Coupling .....	97.72	
33 42 11 00-0464    EA    6" x 6" Vitrified Clay To Plastic Pipe Non-Shear Coupling .....	89.31	
33 42 11 00-0465    EA    8" x 8" Vitrified Clay To Plastic Pipe Non-Shear Coupling .....	117.67	
33 42 11 00-0466    EA    10" x 10" Vitrified Clay To Plastic Pipe Non-Shear Coupling .....	171.30	
33 42 11 00-0467    EA    12" x 12" Vitrified Clay To Plastic Pipe Non-Shear Coupling .....	193.73	
 <b>33 42 11 00-0468</b> <b>Corrugated Metal Piping</b> <small>(33 42 11)</small>		
<b>33 42 11 00-0469</b> <b>Galvanized Corrugated Steel Piping</b> <small>(33 42 11 00-0468)</small>		
<b>33 42 11 00-0470</b> <b>2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Piping</b> <small>(33 42 11 00-0469)</small>		
<b>33 42 11 00-0471</b> <b>16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Piping</b> <small>(33 42 11 00-0470)</small>		
33 42 11 00-0472    LF    12" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	35.81	9.90
<i>For Bituminous Coated Pipe, Add</i>		
	3.69	
<i>For Bituminous Coated And 25% Paved, Add</i>		
	7.54	
<i>For Smooth-Flo, Add</i>		
	13.46	
33 42 11 00-0473    LF    15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	40.48	10.37
<i>For Bituminous Coated Pipe, Add</i>		
	4.64	
<i>For Bituminous Coated And 25% Paved, Add</i>		
	9.49	
<i>For Smooth-Flo, Add</i>		
	16.96	
33 42 11 00-0474    LF    18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	45.31	11.32
<i>For Bituminous Coated Pipe, Add</i>		
	5.62	
<i>For Bituminous Coated And 25% Paved, Add</i>		
	11.50	
<i>For Smooth-Flo, Add</i>		
	20.54	
33 42 11 00-0475    LF    21" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	51.62	12.26
<i>For Bituminous Coated Pipe, Add</i>		
	6.73	
<i>For Bituminous Coated And 25% Paved, Add</i>		
	13.76	
<i>For Smooth-Flo, Add</i>		
	24.57	
33 42 11 00-0476    LF    24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	57.14	13.20
<i>For Bituminous Coated Pipe, Add</i>		
	7.57	
<i>For Bituminous Coated And 25% Paved, Add</i>		
	15.48	
<i>For Smooth-Flo, Add</i>		
	27.64	
33 42 11 00-0477    LF    30" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	75.40	16.98
<i>For Bituminous Coated Pipe, Add</i>		
	9.82	
<i>For Bituminous Coated And 25% Paved, Add</i>		
	20.08	
<i>For Smooth-Flo, Add</i>		
	35.86	
33 42 11 00-0478    LF    36" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	98.68	22.39
<i>For Bituminous Coated Pipe, Add</i>		
	12.39	
<i>For Bituminous Coated And 25% Paved, Add</i>		
	25.33	
<i>For Smooth-Flo, Add</i>		
	45.24	
33 42 11 00-0479    LF    42" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	112.38	26.47
<i>For Bituminous Coated Pipe, Add</i>		
	14.66	
<i>For Bituminous Coated And 25% Paved, Add</i>		
	29.98	
<i>For Smooth-Flo, Add</i>		
	53.54	
33 42 11 00-0480    LF    48" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	126.29	30.53
<i>For Bituminous Coated Pipe, Add</i>		
	16.41	
<i>For Bituminous Coated And 25% Paved, Add</i>		
	33.58	
<i>For Smooth-Flo, Add</i>		
	59.96	
 <b>33 42 11 00-0481</b> <b>14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Piping</b> <small>(33 42 11 00-0470)</small>		
33 42 11 00-0482    LF    12" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	39.11	9.90
<i>For Bituminous Coated Pipe, Add</i>		
	3.74	
<i>For Bituminous Coated And 25% Paved, Add</i>		
	8.67	
<i>For Smooth-Flo, Add</i>		
	17.53	
33 42 11 00-0483    LF    15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	44.53	10.37
<i>For Bituminous Coated Pipe, Add</i>		
	4.69	
<i>For Bituminous Coated And 25% Paved, Add</i>		
	10.87	
<i>For Smooth-Flo, Add</i>		
	21.98	
33 42 11 00-0484    LF    18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	50.21	11.32
<i>For Bituminous Coated Pipe, Add</i>		
	5.68	
<i>For Bituminous Coated And 25% Paved, Add</i>		
	13.16	
<i>For Smooth-Flo, Add</i>		
	26.61	
33 42 11 00-0485    LF    21" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	57.29	12.26
<i>For Bituminous Coated Pipe, Add</i>		
	6.76	
<i>For Bituminous Coated And 25% Paved, Add</i>		
	15.66	
<i>For Smooth-Flo, Add</i>		
	31.65	
33 42 11 00-0486    LF    24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	63.73	13.20
<i>For Bituminous Coated Pipe, Add</i>		
	7.65	
<i>For Bituminous Coated And 25% Paved, Add</i>		
	17.72	
<i>For Smooth-Flo, Add</i>		
	35.82	
33 42 11 00-0487    LF    30" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	83.44	16.98
<i>For Bituminous Coated Pipe, Add</i>		
	9.82	
<i>For Bituminous Coated And 25% Paved, Add</i>		
	22.75	
<i>For Smooth-Flo, Add</i>		
	45.99	
33 42 11 00-0488    LF    36" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	108.44	22.39
<i>For Bituminous Coated Pipe, Add</i>		
	12.31	
<i>For Bituminous Coated And 25% Paved, Add</i>		
	28.52	
<i>For Smooth-Flo, Add</i>		
	57.65	

**33 Utilities****33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0489 LF 42" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	123.55	26.47
For Bituminous Coated Pipe, Add	14.49	
For Bituminous Coated And 25% Paved, Add	33.57	
For Smooth-Flo, Add	67.86	
33 42 11 00-0490 LF 48" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	139.07	30.53
For Bituminous Coated Pipe, Add	16.28	
For Bituminous Coated And 25% Paved, Add	37.73	
For Smooth-Flo, Add	76.26	
33 42 11 00-0491 LF 54" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	166.19	34.61
For Bituminous Coated Pipe, Add	20.03	
For Bituminous Coated And 25% Paved, Add	46.40	
For Smooth-Flo, Add	93.79	
<b>33 42 11 00-0492 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Piping<sup>(33)</sup></b>		
<small>42 11 00-0470)</small>		
33 42 11 00-0493 LF 18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	60.36	11.32
For Bituminous Coated Pipe, Add	6.51	
For Bituminous Coated And 25% Paved, Add	11.75	
For Smooth-Flo, Add	22.59	
33 42 11 00-0494 LF 21" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	69.07	12.26
For Bituminous Coated Pipe, Add	7.69	
For Bituminous Coated And 25% Paved, Add	13.89	
For Smooth-Flo, Add	26.69	
33 42 11 00-0495 LF 24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	77.16	12.26
For Bituminous Coated Pipe, Add	8.72	
For Bituminous Coated And 25% Paved, Add	15.75	
For Smooth-Flo, Add	30.26	
33 42 11 00-0496 LF 30" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	100.06	16.98
For Bituminous Coated Pipe, Add	11.09	
For Bituminous Coated And 25% Paved, Add	20.03	
For Smooth-Flo, Add	38.49	
33 42 11 00-0497 LF 36" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	128.15	22.39
For Bituminous Coated Pipe, Add	13.71	
For Bituminous Coated And 25% Paved, Add	24.76	
For Smooth-Flo, Add	47.58	
33 42 11 00-0498 LF 42" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	146.33	26.47
For Bituminous Coated Pipe, Add	16.07	
For Bituminous Coated And 25% Paved, Add	29.01	
For Smooth-Flo, Add	55.76	
33 42 11 00-0499 LF 48" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	165.18	30.53
For Bituminous Coated Pipe, Add	18.14	
For Bituminous Coated And 25% Paved, Add	32.76	
For Smooth-Flo, Add	62.96	
33 42 11 00-0500 LF 54" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	195.01	34.61
For Bituminous Coated Pipe, Add	21.75	
For Bituminous Coated And 25% Paved, Add	39.28	
For Smooth-Flo, Add	75.50	
33 42 11 00-0501 LF 60" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	213.21	36.64
For Bituminous Coated Pipe, Add	23.82	
For Bituminous Coated And 25% Paved, Add	43.02	
For Smooth-Flo, Add	82.68	
33 42 11 00-0502 LF 66" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	258.29	44.79
For Bituminous Coated Pipe, Add	29.00	
For Bituminous Coated And 25% Paved, Add	52.37	
For Smooth-Flo, Add	100.65	
<b>33 42 11 00-0503 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Piping<sup>(33)</sup></b>		
<small>42 11 00-0470)</small>		
33 42 11 00-0504 LF 36" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	146.60	22.39
For Bituminous Coated Pipe, Add	17.44	
For Bituminous Coated And 25% Paved, Add	29.14	
For Smooth-Flo, Add	41.57	
33 42 11 00-0505 LF 42" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	167.92	26.47
For Bituminous Coated Pipe, Add	20.43	
For Bituminous Coated And 25% Paved, Add	34.13	
For Smooth-Flo, Add	48.70	
33 42 11 00-0506 LF 48" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	189.68	30.53
For Bituminous Coated Pipe, Add	23.09	
For Bituminous Coated And 25% Paved, Add	38.58	
For Smooth-Flo, Add	55.05	
33 42 11 00-0507 LF 54" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	222.46	34.61
For Bituminous Coated Pipe, Add	27.35	
For Bituminous Coated And 25% Paved, Add	45.69	
For Smooth-Flo, Add	65.19	
33 42 11 00-0508 LF 60" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	243.75	36.64
For Bituminous Coated Pipe, Add	30.04	
For Bituminous Coated And 25% Paved, Add	50.18	
For Smooth-Flo, Add	71.60	
33 42 11 00-0509 LF 66" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	291.86	44.79
For Bituminous Coated Pipe, Add	35.93	
For Bituminous Coated And 25% Paved, Add	60.03	
For Smooth-Flo, Add	85.65	



	<b>Utilities</b>	<b>33</b>	<b>CS</b>
	<b>Stormwater Utilities</b>	<b>33 40</b>	
	<b>Stormwater Conveyance</b>	<b>33 42</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0510 LF 72" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	348.77 38.58 64.45 91.96	65.14
<b>33 42 11 00-0511 3" x 1" Corrugation, Galvanized Corrugated Steel Piping</b> <small>(33 42 11 00-0469)</small>		
<b>33 42 11 00-0512 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Piping</b> <small>(33 42 11 00-0511)</small>		
33 42 11 00-0513 LF 36" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	115.60 13.62 30.92 61.56	22.39
33 42 11 00-0514 LF 42" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	131.78 15.99 36.30 72.28	26.47
33 42 11 00-0515 LF 48" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	148.15 17.94 40.72 81.08	30.53
33 42 11 00-0516 LF 54" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	176.60 21.91 49.74 99.03	34.61
33 42 11 00-0517 LF 60" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	192.42 23.87 54.18 107.89	36.64
33 42 11 00-0518 LF 66" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	240.99 30.66 69.60 138.58	44.79
33 42 11 00-0519 LF 72" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	292.96 32.68 74.19 147.72	65.14
33 42 11 00-0520 LF 78" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	316.05 34.71 78.79 156.89	71.24
33 42 11 00-0521 LF 84" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	336.38 36.74 83.40 166.06	76.33
33 42 11 00-0522 LF 90" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	356.73 38.78 88.02 175.27	81.43
33 42 11 00-0523 LF 96" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	377.75 40.80 92.61 184.40	86.52
33 42 11 00-0524 LF 102" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	401.70 42.84 97.25 193.64	91.61
<b>33 42 11 00-0525 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Piping</b> <small>(33 42 11 00-0511)</small>		
33 42 11 00-0526 LF 54" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	193.87 25.36 49.71 100.44	34.61
33 42 11 00-0527 LF 60" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	211.52 27.69 54.27 109.65	36.64
33 42 11 00-0528 LF 66" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	262.01 34.86 68.33 138.06	44.79
33 42 11 00-0529 LF 72" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	315.85 37.26 73.03 147.55	65.14
33 42 11 00-0530 LF 78" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	340.78 39.66 77.73 157.04	71.24
33 42 11 00-0531 LF 84" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	363.06 42.08 82.47 166.62	76.33

**33 Utilities****33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0532 LF 90" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	385.21	81.43
For Bituminous Coated Pipe, Add	44.47	
For Bituminous Coated And 25% Paved, Add	87.17	
For Smooth-Flo, Add	176.11	
33 42 11 00-0533 LF 96" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	408.11	86.52
For Bituminous Coated Pipe, Add	46.87	
For Bituminous Coated And 25% Paved, Add	91.86	
For Smooth-Flo, Add	185.60	
33 42 11 00-0534 LF 102" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	433.90	91.61
For Bituminous Coated Pipe, Add	49.28	
For Bituminous Coated And 25% Paved, Add	96.59	
For Smooth-Flo, Add	195.15	
33 42 11 00-0535 LF 108" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	462.01	101.79
For Bituminous Coated Pipe, Add	51.69	
For Bituminous Coated And 25% Paved, Add	101.31	
For Smooth-Flo, Add	204.69	
33 42 11 00-0536 LF 114" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	489.50	111.97
For Bituminous Coated Pipe, Add	54.06	
For Bituminous Coated And 25% Paved, Add	105.95	
For Smooth-Flo, Add	214.06	
<b>33 42 11 00-0537 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Piping (33 42 11 00-0511)</b>		
33 42 11 00-0538 LF 60" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	253.90	36.64
For Bituminous Coated Pipe, Add	36.17	
For Bituminous Coated And 25% Paved, Add	68.90	
For Smooth-Flo, Add	112.30	
33 42 11 00-0539 LF 66" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	308.94	44.79
For Bituminous Coated Pipe, Add	44.25	
For Bituminous Coated And 25% Paved, Add	84.30	
For Smooth-Flo, Add	137.40	
33 42 11 00-0540 LF 72" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	366.87	65.14
For Bituminous Coated Pipe, Add	47.46	
For Bituminous Coated And 25% Paved, Add	90.42	
For Smooth-Flo, Add	147.38	
33 42 11 00-0541 LF 78" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	395.94	71.24
For Bituminous Coated Pipe, Add	50.69	
For Bituminous Coated And 25% Paved, Add	96.56	
For Smooth-Flo, Add	157.39	
33 42 11 00-0542 LF 84" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	422.31	76.33
For Bituminous Coated Pipe, Add	53.93	
For Bituminous Coated And 25% Paved, Add	102.73	
For Smooth-Flo, Add	167.44	
33 42 11 00-0543 LF 90" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	448.60	81.43
For Bituminous Coated Pipe, Add	57.15	
For Bituminous Coated And 25% Paved, Add	108.87	
For Smooth-Flo, Add	177.45	
33 42 11 00-0544 LF 96" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	475.67	86.52
For Bituminous Coated Pipe, Add	60.38	
For Bituminous Coated And 25% Paved, Add	115.02	
For Smooth-Flo, Add	187.48	
33 42 11 00-0545 LF 102" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	505.59	91.61
For Bituminous Coated Pipe, Add	63.62	
For Bituminous Coated And 25% Paved, Add	121.19	
For Smooth-Flo, Add	197.53	
33 42 11 00-0546 LF 108" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	537.77	101.79
For Bituminous Coated Pipe, Add	66.84	
For Bituminous Coated And 25% Paved, Add	127.33	
For Smooth-Flo, Add	207.54	
33 42 11 00-0547 LF 114" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	569.43	111.97
For Bituminous Coated Pipe, Add	70.04	
For Bituminous Coated And 25% Paved, Add	133.43	
For Smooth-Flo, Add	217.48	
33 42 11 00-0548 LF 120" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	600.00	122.14
For Bituminous Coated Pipe, Add	73.28	
For Bituminous Coated And 25% Paved, Add	139.60	
For Smooth-Flo, Add	227.53	
<b>33 42 11 00-0549 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Piping (33 42 11 00-0511)</b>		
33 42 11 00-0550 LF 72" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	414.45	65.14
For Bituminous Coated Pipe, Add	56.98	
For Bituminous Coated And 25% Paved, Add	108.26	
For Smooth-Flo, Add	144.73	
33 42 11 00-0551 LF 78" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	447.42	71.24
For Bituminous Coated Pipe, Add	60.98	
For Bituminous Coated And 25% Paved, Add	115.87	
For Smooth-Flo, Add	154.90	
33 42 11 00-0552 LF 84" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	477.70	76.33
For Bituminous Coated Pipe, Add	65.00	
For Bituminous Coated And 25% Paved, Add	123.51	
For Smooth-Flo, Add	165.11	





	<b>Utilities</b>	<b>33</b>	
	<b>Stormwater Utilities</b>	<b>33 40</b>	<b>CS</b>
	<b>Stormwater Conveyance</b>	<b>33 42</b>	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0553	LF	90" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	507.89 69.01 131.12 175.28	81.43
33 42 11 00-0554	LF	96" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	538.87 73.02 138.74 185.47	86.52
33 42 11 00-0555	LF	102" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	572.69 77.04 146.37 195.68	91.61
33 42 11 00-0556	LF	108" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	608.77 81.04 153.98 205.85	101.79
33 42 11 00-0557	LF	114" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	644.30 85.02 161.53 215.94	111.97
33 42 11 00-0558	LF	120" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	678.81 89.04 169.18 226.17	122.14
33 42 11 00-0559	LF	126" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	715.14 93.03 176.76 236.30	132.32
33 42 11 00-0560	LF	132" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	754.12 97.05 184.40 246.51	142.50
33 42 11 00-0561	LF	138" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	796.20 101.08 192.04 256.73	152.68
33 42 11 00-0562		125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Piping <small>(33 42 11 00-0469)</small>		
33 42 11 00-0563		16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Piping <small>(33 42 11 00-0562)</small>		
33 42 11 00-0564	LF	48" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	148.64 22.55 51.40 81.61	30.53
33 42 11 00-0565	LF	54" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	177.56 27.63 62.99 100.01	34.61
33 42 11 00-0566	LF	60" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	193.26 30.05 68.51 108.77	36.64
33 42 11 00-0567	LF	66" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	239.00 37.83 86.25 136.94	44.79
33 42 11 00-0568	LF	72" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	290.74 40.30 91.88 145.88	65.14
33 42 11 00-0569	LF	78" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	313.53 42.76 97.49 154.78	71.24
33 42 11 00-0570	LF	84" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	333.51 45.21 103.07 163.65	76.33
33 42 11 00-0571	LF	90" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	353.44 47.65 108.64 172.48	81.43
33 42 11 00-0572	LF	96" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	374.27 50.13 114.29 181.45	86.52
33 42 11 00-0573	LF	102" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	398.14 52.66 120.06 190.63	91.61

**33 Utilities****33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>33 42 11 00-0574 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Piping</b> <small>(33 42 11 00-0562)</small>		
33 42 11 00-0575 LF 54" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	199.15	34.61
For Bituminous Coated Pipe, Add	26.42	
For Bituminous Coated And 25% Paved, Add	62.09	
For Smooth-Flo, Add	112.42	
33 42 11 00-0576 LF 60" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	217.26	36.64
For Bituminous Coated Pipe, Add	28.84	
For Bituminous Coated And 25% Paved, Add	67.77	
For Smooth-Flo, Add	122.71	
33 42 11 00-0577 LF 66" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	265.19	44.79
For Bituminous Coated Pipe, Add	35.50	
For Bituminous Coated And 25% Paved, Add	83.43	
For Smooth-Flo, Add	151.05	
33 42 11 00-0578 LF 72" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	319.03	65.14
For Bituminous Coated Pipe, Add	37.90	
For Bituminous Coated And 25% Paved, Add	89.06	
For Smooth-Flo, Add	161.25	
33 42 11 00-0579 LF 78" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	344.38	71.24
For Bituminous Coated Pipe, Add	40.38	
For Bituminous Coated And 25% Paved, Add	94.88	
For Smooth-Flo, Add	171.80	
33 42 11 00-0580 LF 84" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	366.77	76.33
For Bituminous Coated Pipe, Add	42.82	
For Bituminous Coated And 25% Paved, Add	100.62	
For Smooth-Flo, Add	182.19	
33 42 11 00-0581 LF 90" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	387.89	81.43
For Bituminous Coated Pipe, Add	45.01	
For Bituminous Coated And 25% Paved, Add	105.77	
For Smooth-Flo, Add	191.51	
33 42 11 00-0582 LF 96" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	412.20	86.52
For Bituminous Coated Pipe, Add	47.69	
For Bituminous Coated And 25% Paved, Add	112.06	
For Smooth-Flo, Add	202.90	
33 42 11 00-0583 LF 102" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	438.11	91.61
For Bituminous Coated Pipe, Add	50.12	
For Bituminous Coated And 25% Paved, Add	117.79	
For Smooth-Flo, Add	213.27	
33 42 11 00-0584 LF 108" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	466.22	101.79
For Bituminous Coated Pipe, Add	52.53	
For Bituminous Coated And 25% Paved, Add	123.45	
For Smooth-Flo, Add	223.52	
33 42 11 00-0585 LF 114" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	494.25	111.97
For Bituminous Coated Pipe, Add	55.01	
For Bituminous Coated And 25% Paved, Add	129.26	
For Smooth-Flo, Add	234.05	
<b>33 42 11 00-0586 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Piping</b> <small>(33 42 11 00-0562)</small>		
33 42 11 00-0587 LF 60" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	262.20	36.64
For Bituminous Coated Pipe, Add	37.83	
For Bituminous Coated And 25% Paved, Add	71.87	
For Smooth-Flo, Add	129.74	
33 42 11 00-0588 LF 66" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	314.68	44.79
For Bituminous Coated Pipe, Add	45.40	
For Bituminous Coated And 25% Paved, Add	86.26	
For Smooth-Flo, Add	155.72	
33 42 11 00-0589 LF 72" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	373.23	65.14
For Bituminous Coated Pipe, Add	48.74	
For Bituminous Coated And 25% Paved, Add	92.60	
For Smooth-Flo, Add	167.16	
33 42 11 00-0590 LF 78" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	402.75	71.24
For Bituminous Coated Pipe, Add	52.05	
For Bituminous Coated And 25% Paved, Add	98.90	
For Smooth-Flo, Add	178.53	
33 42 11 00-0591 LF 84" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	429.35	76.33
For Bituminous Coated Pipe, Add	55.33	
For Bituminous Coated And 25% Paved, Add	105.13	
For Smooth-Flo, Add	189.80	
33 42 11 00-0592 LF 90" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	456.17	81.43
For Bituminous Coated Pipe, Add	58.66	
For Bituminous Coated And 25% Paved, Add	111.46	
For Smooth-Flo, Add	201.22	
33 42 11 00-0593 LF 96" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	483.63	86.52
For Bituminous Coated Pipe, Add	61.97	
For Bituminous Coated And 25% Paved, Add	117.75	
For Smooth-Flo, Add	212.56	
33 42 11 00-0594 LF 102" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	513.86	91.61
For Bituminous Coated Pipe, Add	65.27	
For Bituminous Coated And 25% Paved, Add	124.02	
For Smooth-Flo, Add	223.88	



	<b>Utilities</b>	<b>33</b>	<b>CS</b>
	<b>Stormwater Utilities</b>	<b>33 40</b>	
	<b>Stormwater Conveyance</b>	<b>33 42</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0595 LF 108" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe .....	546.57	101.79
For Bituminous Coated Pipe, Add	68.60	
For Bituminous Coated And 25% Paved, Add	130.34	
For Smooth-Flo, Add	235.30	
33 42 11 00-0596 LF 114" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe .....	578.77	111.97
For Bituminous Coated Pipe, Add	71.91	
For Bituminous Coated And 25% Paved, Add	136.63	
For Smooth-Flo, Add	246.65	
33 42 11 00-0597 LF 120" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe .....	609.68	122.14
For Bituminous Coated Pipe, Add	75.22	
For Bituminous Coated And 25% Paved, Add	142.91	
For Smooth-Flo, Add	257.99	
<b>33 42 11 00-0598 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel</b>		
<b>Piping (33 42 11 00-0562)</b>		
33 42 11 00-0599 LF 72" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe .....	425.13	65.14
For Bituminous Coated Pipe, Add	59.12	
For Bituminous Coated And 25% Paved, Add	112.32	
For Smooth-Flo, Add	176.46	
33 42 11 00-0600 LF 78" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe .....	459.48	71.24
For Bituminous Coated Pipe, Add	63.40	
For Bituminous Coated And 25% Paved, Add	120.45	
For Smooth-Flo, Add	189.24	
33 42 11 00-0601 LF 84" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe .....	490.60	76.33
For Bituminous Coated Pipe, Add	67.58	
For Bituminous Coated And 25% Paved, Add	128.41	
For Smooth-Flo, Add	201.74	
33 42 11 00-0602 LF 90" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe .....	521.51	81.43
For Bituminous Coated Pipe, Add	71.73	
For Bituminous Coated And 25% Paved, Add	136.29	
For Smooth-Flo, Add	214.12	
33 42 11 00-0603 LF 96" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe .....	553.41	86.52
For Bituminous Coated Pipe, Add	75.93	
For Bituminous Coated And 25% Paved, Add	144.26	
For Smooth-Flo, Add	226.65	
33 42 11 00-0604 LF 102" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe .....	587.93	91.61
For Bituminous Coated Pipe, Add	80.09	
For Bituminous Coated And 25% Paved, Add	152.16	
For Smooth-Flo, Add	239.06	
33 42 11 00-0605 LF 108" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe .....	624.92	101.79
For Bituminous Coated Pipe, Add	84.27	
For Bituminous Coated And 25% Paved, Add	160.12	
For Smooth-Flo, Add	251.55	
33 42 11 00-0606 LF 114" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe .....	661.48	111.97
For Bituminous Coated Pipe, Add	88.45	
For Bituminous Coated And 25% Paved, Add	168.06	
For Smooth-Flo, Add	264.03	
33 42 11 00-0607 LF 120" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe .....	696.65	122.14
For Bituminous Coated Pipe, Add	92.61	
For Bituminous Coated And 25% Paved, Add	175.96	
For Smooth-Flo, Add	276.44	
33 42 11 00-0608 LF 126" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe .....	740.48	132.32
For Bituminous Coated Pipe, Add	98.10	
For Bituminous Coated And 25% Paved, Add	186.39	
For Smooth-Flo, Add	292.82	
33 42 11 00-0609 LF 132" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe .....	781.99	142.50
For Bituminous Coated Pipe, Add	102.62	
For Bituminous Coated And 25% Paved, Add	194.99	
For Smooth-Flo, Add	306.33	
33 42 11 00-0610 LF 138" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe .....	827.44	152.68
For Bituminous Coated Pipe, Add	107.32	
For Bituminous Coated And 25% Paved, Add	203.92	
For Smooth-Flo, Add	320.36	
<b>33 42 11 00-0611 Helical Ribbed, Galvanized Corrugated Steel Piping (33 42 11 00-0469)</b>		
<b>33 42 11 00-0612 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Piping (33 42 11 00-0611)</b>		
33 42 11 00-0613 LF 18" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	51.90	11.32
For Bituminous Coated Pipe, Add	6.95	
33 42 11 00-0614 LF 21" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	59.35	12.26
For Bituminous Coated Pipe, Add	8.28	
33 42 11 00-0615 LF 24" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	66.21	13.20
For Bituminous Coated Pipe, Add	9.40	
33 42 11 00-0616 LF 30" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	86.81	16.98
For Bituminous Coated Pipe, Add	12.11	
33 42 11 00-0617 LF 36" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	112.65	22.39
For Bituminous Coated Pipe, Add	15.18	
33 42 11 00-0618 LF 42" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	128.64	26.47
For Bituminous Coated Pipe, Add	17.90	
33 42 11 00-0619 LF 48" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	144.93	30.53
For Bituminous Coated Pipe, Add	20.15	
33 42 11 00-0620 LF 54" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe.....	172.97	34.61
For Bituminous Coated Pipe, Add	24.68	

**33 Utilities****33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0621 LF 60" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	188.71 26.94	36.64
<b>33 42 11 00-0622 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Piping (33 42 11 00-0611)</b>		
33 42 11 00-0623 LF 18" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	56.87 8.04	11.32
33 42 11 00-0624 LF 21" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	65.17 9.55	12.26
33 42 11 00-0625 LF 24" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	72.84 10.85	13.20
33 42 11 00-0626 LF 30" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	95.04 13.91	16.98
33 42 11 00-0627 LF 36" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	122.56 17.34	22.39
33 42 11 00-0628 LF 42" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	140.24 20.43	26.47
33 42 11 00-0629 LF 48" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	158.17 23.03	30.53
33 42 11 00-0630 LF 54" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	187.86 27.91	34.61
33 42 11 00-0631 LF 60" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	205.28 30.54	36.64
33 42 11 00-0632 LF 66" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	251.94 37.94	44.79
33 42 11 00-0633 LF 72" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	305.05 40.54	65.14
33 42 11 00-0634 LF 78" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	329.45 43.19	71.24
<b>33 42 11 00-0635 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Piping (33 42 11 00-0611)</b>		
33 42 11 00-0636 LF 30" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	111.73 14.53	16.98
33 42 11 00-0637 LF 36" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	142.51 17.96	22.39
33 42 11 00-0638 LF 42" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	163.59 21.12	26.47
33 42 11 00-0639 LF 48" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	184.82 23.88	30.53
33 42 11 00-0640 LF 54" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	217.87 28.50	34.61
33 42 11 00-0641 LF 60" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	238.66 31.30	36.64
33 42 11 00-0642 LF 66" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	288.57 37.97	44.79
33 42 11 00-0643 LF 72" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	344.98 40.72	65.14
33 42 11 00-0644 LF 78" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	372.67 43.50	71.24
33 42 11 00-0645 LF 84" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	397.51 46.27	76.33
33 42 11 00-0646 LF 90" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	422.30 49.04	81.43
33 42 11 00-0647 LF 96" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	447.84 51.80	86.52
33 42 11 00-0648 LF 102" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	474.58 54.26	91.61
<b>33 42 11 00-0649 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Piping (33 42 11 00-0649)</b>		
<b>33 42 11 00-0650 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Piping (33 42 11 00-0649)</b>		
33 42 11 00-0651 LF 6" 18 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	18.57 1.78	5.66
33 42 11 00-0652 LF 6" 16 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	20.05 2.14	5.66
33 42 11 00-0653 LF 8" 18 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	23.31 2.35	7.08
33 42 11 00-0654 LF 8" 16 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	25.19 2.81	7.08
33 42 11 00-0655 LF 10" 18 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	29.47 2.95	8.48
33 42 11 00-0656 LF 10" 16 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	31.85 3.54	8.48
<b>33 42 11 00-0657 Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Piping (33 42 11 00-0649)</b>		
33 42 11 00-0658 LF 6" 18 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	18.77 1.75	5.66
33 42 11 00-0659 LF 6" 16 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	20.21 2.09	5.66



	<b>Utilities</b>	<b>33</b>	
	<b>Stormwater Utilities</b>	<b>33 40</b>	<b>33</b>
	<b>Stormwater Conveyance</b>	<b>33 42</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0660 LF 8" 18 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe ..... <i>For Bituminous Coated Pipe, Add</i>	23.52 2.30	7.08
33 42 11 00-0661 LF 8" 16 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe ..... <i>For Bituminous Coated Pipe, Add</i>	25.51 2.77	7.08
33 42 11 00-0662 LF 10" 18 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe ..... <i>For Bituminous Coated Pipe, Add</i>	29.82 2.91	8.48
33 42 11 00-0663 LF 10" 16 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe ..... <i>For Bituminous Coated Pipe, Add</i>	32.27 3.49	8.48
<b>33 42 11 00-0664 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe Fittings (33 42 11 00-0649)</b>		
33 42 11 00-0665 EA 6" 18 Gauge, Connection Band For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe ..... <i>For Bituminous Coated Pipe, Add</i>	10.97 2.47	
33 42 11 00-0666 EA 8" 18 Gauge, Connection Band For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe ..... <i>For Bituminous Coated Pipe, Add</i>	14.52 3.27	
33 42 11 00-0667 EA 10" 18 Gauge, Connection Band For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe ..... <i>For Bituminous Coated Pipe, Add</i>	17.80 4.01	
33 42 11 00-0668 EA 6" 18 Gauge, Band Elbows For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe ..... <i>For Bituminous Coated Pipe, Add</i>	39.55 5.46	
33 42 11 00-0669 EA 6" End Caps For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe ..... <i>For Bituminous Coated Pipe, Add</i>	8.82 1.24	
33 42 11 00-0670 EA 8" End Caps For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe ..... <i>For Bituminous Coated Pipe, Add</i>	11.17 1.87	
<b>33 42 11 00-0671 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Piping (33 42 11 00-0469)</b>		
<b>33 42 11 00-0672 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Piping (33 42 11 00-0671)</b>		
33 42 11 00-0673 LF 12" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe .....	57.58	9.90
33 42 11 00-0674 LF 15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe .....	67.91	10.37
33 42 11 00-0675 LF 18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe .....	78.58	11.32
33 42 11 00-0676 LF 21" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe .....	91.37	12.26
33 42 11 00-0677 LF 24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe .....	101.94	13.20
33 42 11 00-0678 LF 30" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe .....	133.43	16.98
33 42 11 00-0679 LF 36" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe .....	171.95	22.39
33 42 11 00-0680 LF 42" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe .....	199.04	26.47
33 42 11 00-0681 LF 48" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe .....	223.39	30.53
<b>33 42 11 00-0682 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Piping (33 42 11 00-0671)</b>		
33 42 11 00-0683 LF 12" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe .....	65.59	9.90
33 42 11 00-0684 LF 15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe .....	77.83	10.37
33 42 11 00-0685 LF 18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe .....	90.46	11.32
33 42 11 00-0686 LF 21" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe .....	105.13	12.26
33 42 11 00-0687 LF 24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe .....	117.92	13.20
33 42 11 00-0688 LF 30" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe .....	153.05	16.98
33 42 11 00-0689 LF 36" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe .....	195.64	22.39
33 42 11 00-0690 LF 42" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe .....	226.22	26.47
33 42 11 00-0691 LF 48" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe .....	254.41	30.53
33 42 11 00-0692 LF 54" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe .....	308.06	34.61
<b>33 42 11 00-0693 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Piping (33 42 11 00-0671)</b>		
33 42 11 00-0694 LF 18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe .....	115.23	11.32
33 42 11 00-0695 LF 21" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe .....	134.05	12.26
33 42 11 00-0696 LF 24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe .....	150.80	13.20
33 42 11 00-0697 LF 30" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe .....	194.13	16.98
33 42 11 00-0698 LF 36" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe .....	234.86	22.39
33 42 11 00-0699 LF 42" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe .....	283.69	26.47
33 42 11 00-0700 LF 48" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe .....	319.99	30.53
33 42 11 00-0701 LF 54" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe .....	382.89	34.61
33 42 11 00-0702 LF 60" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe .....	418.40	36.64
33 42 11 00-0703 LF 66" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe .....	512.44	44.79
<b>33 42 11 00-0704 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Piping (33 42 11 00-0671)</b>		
33 42 11 00-0705 LF 36" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe .....	289.96	22.39
33 42 11 00-0706 LF 42" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe .....	336.03	26.47
33 42 11 00-0707 LF 48" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe .....	379.45	30.53
33 42 11 00-0708 LF 54" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe .....	449.50	34.61
33 42 11 00-0709 LF 60" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe .....	492.55	36.64
33 42 11 00-0710 LF 66" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe .....	593.88	44.79
33 42 11 00-0711 LF 72" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe .....	672.26	65.14
<b>33 42 11 00-0712 3" x 1" Corrugation, Polymeric Corrugated Steel Piping (33 42 11 00-0469)</b>		
<b>33 42 11 00-0713 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Piping (33 42 11 00-0712)</b>		
33 42 11 00-0714 LF 36" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe .....	217.43	22.39

**33 Utilities****33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0715 LF 42" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe .....	251.48	26.47
33 42 11 00-0716 LF 48" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe .....	282.18	30.53
33 42 11 00-0717 LF 54" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe .....	341.50	34.61
33 42 11 00-0718 LF 60" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe .....	371.84	36.64
33 42 11 00-0719 LF 66" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe .....	473.46	44.79
33 42 11 00-0720 LF 72" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe .....	540.44	65.14
33 42 11 00-0721 LF 78" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe .....	578.48	71.24
33 42 11 00-0722 LF 84" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe .....	613.85	76.33
33 42 11 00-0723 LF 90" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe .....	649.24	81.43
33 42 11 00-0724 LF 96" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe .....	685.25	86.52
33 42 11 00-0725 LF 102" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe .....	724.30	91.61
<b>33 42 11 00-0726 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Piping (33 42 11 00-0712)</b>		
33 42 11 00-0727 LF 54" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe .....	384.32	34.61
33 42 11 00-0728 LF 60" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe .....	419.17	36.64
33 42 11 00-0729 LF 66" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe .....	525.60	44.79
33 42 11 00-0730 LF 72" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe .....	597.14	65.14
33 42 11 00-0731 LF 78" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe .....	639.82	71.24
33 42 11 00-0732 LF 84" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe .....	679.99	76.33
33 42 11 00-0733 LF 90" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe .....	719.88	81.43
33 42 11 00-0734 LF 96" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe .....	760.49	86.52
33 42 11 00-0735 LF 102" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe .....	804.21	91.61
33 42 11 00-0736 LF 108" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe .....	850.14	101.79
33 42 11 00-0737 LF 114" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe .....	895.12	111.97
<b>33 42 11 00-0738 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Piping (33 42 11 00-0712)</b>		
33 42 11 00-0739 LF 60" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe .....	526.87	36.64
33 42 11 00-0740 LF 66" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe .....	645.40	44.79
33 42 11 00-0741 LF 72" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe .....	727.33	65.14
33 42 11 00-0742 LF 78" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe .....	780.45	71.24
33 42 11 00-0743 LF 84" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe .....	831.00	76.33
33 42 11 00-0744 LF 90" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe .....	881.34	81.43
33 42 11 00-0745 LF 96" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe .....	932.48	86.52
33 42 11 00-0746 LF 102" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe .....	986.57	91.61
33 42 11 00-0747 LF 108" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe .....	1,042.80	101.79
33 42 11 00-0748 LF 114" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe .....	1,098.37	111.97
33 42 11 00-0749 LF 120" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe .....	1,153.13	122.14
<b>33 42 11 00-0750 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Piping (33 42 11 00-0712)</b>		
33 42 11 00-0751 LF 72" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe .....	845.96	65.14
33 42 11 00-0752 LF 78" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe .....	908.74	71.24
33 42 11 00-0753 LF 84" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe .....	969.05	76.33
33 42 11 00-0754 LF 90" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe .....	1,029.08	81.43
33 42 11 00-0755 LF 96" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe .....	1,089.99	86.52
33 42 11 00-0756 LF 102" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe .....	1,153.81	91.61
33 42 11 00-0757 LF 108" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe .....	1,219.79	101.79
33 42 11 00-0758 LF 114" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe .....	1,285.04	111.97
33 42 11 00-0759 LF 120" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe .....	1,349.53	122.14
33 42 11 00-0760 LF 126" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe .....	1,415.66	132.32
33 42 11 00-0761 LF 132" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe .....	1,484.63	142.50
33 42 11 00-0762 LF 138" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe .....	1,556.73	152.68
<b>33 42 11 00-0763 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Piping (33 42 11 00-0469)</b>		
<b>33 42 11 00-0764 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Piping (33 42 11 00-0763)</b>		
33 42 11 00-0765 LF 48" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe .....	272.95	30.53
33 42 11 00-0766 LF 54" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe .....	331.33	34.61
33 42 11 00-0767 LF 60" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe .....	360.20	36.64
33 42 11 00-0768 LF 66" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe .....	451.83	44.79
33 42 11 00-0769 LF 72" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe .....	517.03	65.14
33 42 11 00-0770 LF 78" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe .....	553.23	71.24
33 42 11 00-0771 LF 84" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe .....	586.51	76.33
33 42 11 00-0772 LF 90" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe .....	619.69	81.43
33 42 11 00-0773 LF 96" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe .....	653.97	86.52
33 42 11 00-0774 LF 102" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe .....	691.73	91.61
<b>33 42 11 00-0775 14 Gauge, 125mm x 25mm Corrugation, Polymeric Corrugated Steel Piping (33 42 11 00-0763)</b>		
33 42 11 00-0776 LF 54" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe .....	382.20	34.61
33 42 11 00-0777 LF 60" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe .....	416.85	36.64
33 42 11 00-0778 LF 66" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe .....	513.61	44.79
33 42 11 00-0779 LF 72" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe .....	583.79	65.14
33 42 11 00-0780 LF 78" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe .....	626.03	71.24
33 42 11 00-0781 LF 84" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe .....	664.97	76.33



<b>Utilities</b>	<b>33</b>	<b>CS</b>
<b>Stormwater Utilities</b>	<b>33 40</b>	
<b>Stormwater Conveyance</b>	<b>33 42</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0782 LF 90" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	701.00	81.43
33 42 11 00-0783 LF 96" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	743.52	86.52
33 42 11 00-0784 LF 102" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	786.02	91.61
33 42 11 00-0785 LF 108" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	830.50	101.79
33 42 11 00-0786 LF 114" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	875.34	111.97
<b>33 42 11 00-0787 12 Gauge, 125mm x 25mm Corrugation, Polymeric Corrugated Steel Piping</b> <small>(33 42 11 00-0763)</small>		
33 42 11 00-0788 LF 60" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	530.40	36.64
33 42 11 00-0789 LF 66" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	639.24	44.79
33 42 11 00-0790 LF 72" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	721.28	65.14
33 42 11 00-0791 LF 78" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	773.95	71.24
33 42 11 00-0792 LF 84" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	823.55	76.33
33 42 11 00-0793 LF 90" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	873.75	81.43
33 42 11 00-0794 LF 96" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	924.39	86.52
33 42 11 00-0795 LF 102" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	977.68	91.61
33 42 11 00-0796 LF 108" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	1,033.76	101.79
33 42 11 00-0797 LF 114" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	1,089.14	111.97
33 42 11 00-0798 LF 120" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	1,143.21	122.14
<b>33 42 11 00-0799 10 Gauge, 125mm x 25mm Corrugation, Polymeric Corrugated Steel Piping</b> <small>(33 42 11 00-0763)</small>		
33 42 11 00-0800 LF 72" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	845.91	65.14
33 42 11 00-0801 LF 78" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	910.17	71.24
33 42 11 00-0802 LF 84" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	970.68	76.33
33 42 11 00-0803 LF 90" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	1,030.69	81.43
33 42 11 00-0804 LF 96" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	1,091.89	86.52
33 42 11 00-0805 LF 102" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	1,155.60	91.61
33 42 11 00-0806 LF 108" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	1,221.87	101.79
33 42 11 00-0807 LF 114" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	1,287.71	111.97
33 42 11 00-0808 LF 120" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	1,352.06	122.14
33 42 11 00-0809 LF 126" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	1,434.32	132.32
33 42 11 00-0810 LF 132" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	1,507.56	142.50
33 42 11 00-0811 LF 138" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	1,585.92	152.68
<b>33 42 11 00-0812 Galvanized Corrugated Steel Pipe-Arch</b> <small>(33 42 11 00-0468)</small>		
<b>33 42 11 00-0813 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch</b> <small>(33 42 11 00-0812)</small>		
<b>33 42 11 00-0814 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch</b> <small>(33 42 11 00-0813)</small>		
33 42 11 00-0815 LF 17" x 13" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch.....	41.59	10.37
For Bituminous Coated Pipe, Add	5.05	
For Bituminous Coated And 25% Paved, Add	12.21	
For Smooth-Flo, Add	20.15	
33 42 11 00-0816 LF 21" x 15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch.....	46.31	11.32
For Bituminous Coated Pipe, Add	6.03	
For Bituminous Coated And 25% Paved, Add	14.59	
For Smooth-Flo, Add	24.06	
33 42 11 00-0817 LF 24" x 18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch.....	53.00	12.26
For Bituminous Coated Pipe, Add	7.26	
For Bituminous Coated And 25% Paved, Add	17.56	
For Smooth-Flo, Add	28.97	
33 42 11 00-0818 LF 28" x 20" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch.....	59.48	13.20
For Bituminous Coated Pipe, Add	8.37	
For Bituminous Coated And 25% Paved, Add	20.23	
For Smooth-Flo, Add	33.37	
33 42 11 00-0819 LF 35" x 24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch.....	77.51	16.98
For Bituminous Coated Pipe, Add	10.63	
For Bituminous Coated And 25% Paved, Add	25.69	
For Smooth-Flo, Add	42.38	
33 42 11 00-0820 LF 42" x 29" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch.....	102.54	22.39
For Bituminous Coated Pipe, Add	13.70	
For Bituminous Coated And 25% Paved, Add	33.13	
For Smooth-Flo, Add	54.65	
<b>33 42 11 00-0821 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch</b> <small>(33 42 11 00-0813)</small>		
33 42 11 00-0822 LF 17" x 13" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch.....	45.68	10.37
For Bituminous Coated Pipe, Add	5.24	
For Bituminous Coated And 25% Paved, Add	12.26	
For Smooth-Flo, Add	20.11	
33 42 11 00-0823 LF 21" x 15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch.....	51.32	11.32
For Bituminous Coated Pipe, Add	6.29	
For Bituminous Coated And 25% Paved, Add	14.71	
For Smooth-Flo, Add	24.12	

**33 Utilities****33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0824 LF 24" x 18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	58.59 7.47 17.48 28.68	12.26
33 42 11 00-0825 LF 28" x 20" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	65.95 8.62 20.16 33.07	13.20
33 42 11 00-0826 LF 35" x 24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	85.59 10.91 25.53 41.88	16.98
33 42 11 00-0827 LF 42" x 29" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	112.15 13.90 32.52 53.34	22.39
33 42 11 00-0828 LF 49" x 33" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	128.84 16.56 38.74 63.54	26.47
<b>33 42 11 00-0829 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch</b> <small>(33 42 11 00-0813)</small>		
33 42 11 00-0830 LF 21" x 15" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	67.11 6.80 15.13 23.27	12.21
33 42 11 00-0831 LF 24" x 18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	76.62 8.07 17.95 27.60	13.23
33 42 11 00-0832 LF 28" x 20" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	86.04 9.25 20.59 31.65	14.24
33 42 11 00-0833 LF 35" x 24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	111.17 11.65 25.92 39.86	18.32
33 42 11 00-0834 LF 42" x 29" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	131.75 14.58 32.44 49.88	22.39
33 42 11 00-0835 LF 49" x 33" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	151.46 17.24 38.36 58.99	26.47
33 42 11 00-0836 LF 57" x 38" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	176.62 20.44 45.49 69.95	30.53
33 42 11 00-0837 LF 64" x 43" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	197.54 22.57 50.24 77.25	34.61
<b>33 42 11 00-0838 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch</b> <small>(33 42 11 00-0813)</small>		
33 42 11 00-0839 LF 42" x 29" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	150.20 17.56 36.97 46.63	22.39
33 42 11 00-0840 LF 49" x 33" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	172.97 20.72 43.61 55.00	26.47
33 42 11 00-0841 LF 57" x 38" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	201.01 24.38 51.32 64.72	30.53
33 42 11 00-0842 LF 64" x 43" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	225.10 27.03 56.90 71.75	34.61
33 42 11 00-0843 LF 71" x 47" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	246.58 29.67 62.46 78.77	36.64
<b>33 42 11 00-0844 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch</b> <small>(33 42 11 00-0812)</small>		





	<b>Utilities</b>	<b>33</b>	<b>CS</b>
	Stormwater Utilities	33 40	
	Stormwater Conveyance	33 42	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>33 42 11 00-0845</b> 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <sup>(33 42 11 00-0844)</sup>		
33 42 11 00-0846 LF 60" x 46" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch .....	197.27	34.61
For Bituminous Coated Pipe, Add	26.04	
For Bituminous Coated And 25% Paved, Add	79.17	
For Smooth-Flo, Add	88.55	
33 42 11 00-0847 LF 66" x 51" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch .....	215.58	36.64
For Bituminous Coated Pipe, Add	28.50	
For Bituminous Coated And 25% Paved, Add	86.65	
For Smooth-Flo, Add	96.91	
33 42 11 00-0848 LF 73" x 55" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch .....	266.68	44.79
For Bituminous Coated Pipe, Add	35.80	
For Bituminous Coated And 25% Paved, Add	108.83	
For Smooth-Flo, Add	121.71	
33 42 11 00-0849 LF 81" x 59" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch .....	321.44	65.14
For Bituminous Coated Pipe, Add	38.38	
For Bituminous Coated And 25% Paved, Add	116.67	
For Smooth-Flo, Add	130.49	
33 42 11 00-0850 LF 87" x 63" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch .....	347.94	71.24
For Bituminous Coated Pipe, Add	41.09	
For Bituminous Coated And 25% Paved, Add	124.91	
For Smooth-Flo, Add	139.70	
33 42 11 00-0851 LF 95" x 67" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch .....	371.74	76.33
For Bituminous Coated Pipe, Add	43.81	
For Bituminous Coated And 25% Paved, Add	133.19	
For Smooth-Flo, Add	148.96	
33 42 11 00-0852 LF 103" x 71" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch .....	395.47	81.43
For Bituminous Coated Pipe, Add	46.52	
For Bituminous Coated And 25% Paved, Add	141.43	
For Smooth-Flo, Add	158.18	
33 42 11 00-0853 LF 112" x 75" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch .....	419.90	86.52
For Bituminous Coated Pipe, Add	49.23	
For Bituminous Coated And 25% Paved, Add	149.65	
For Smooth-Flo, Add	167.37	
<b>33 42 11 00-0854</b> 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <sup>(33 42 11 00-0844)</sup>		
33 42 11 00-0855 LF 66" x 51" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch .....	257.99	36.64
For Bituminous Coated Pipe, Add	36.98	
For Bituminous Coated And 25% Paved, Add	96.90	
For Smooth-Flo, Add	114.65	
33 42 11 00-0856 LF 73" x 55" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch .....	313.72	44.79
For Bituminous Coated Pipe, Add	45.21	
For Bituminous Coated And 25% Paved, Add	118.44	
For Smooth-Flo, Add	140.14	
33 42 11 00-0857 LF 81" x 59" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch .....	372.65	65.14
For Bituminous Coated Pipe, Add	48.62	
For Bituminous Coated And 25% Paved, Add	127.38	
For Smooth-Flo, Add	150.72	
33 42 11 00-0858 LF 87" x 63" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch .....	403.29	71.24
For Bituminous Coated Pipe, Add	52.16	
For Bituminous Coated And 25% Paved, Add	136.65	
For Smooth-Flo, Add	161.69	
33 42 11 00-0859 LF 95" x 67" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch .....	431.23	76.33
For Bituminous Coated Pipe, Add	55.71	
For Bituminous Coated And 25% Paved, Add	145.96	
For Smooth-Flo, Add	172.70	
33 42 11 00-0860 LF 103" x 71" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch .....	459.12	81.43
For Bituminous Coated Pipe, Add	59.25	
For Bituminous Coated And 25% Paved, Add	155.25	
For Smooth-Flo, Add	183.69	
33 42 11 00-0861 LF 112" x 75" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch .....	487.69	86.52
For Bituminous Coated Pipe, Add	62.78	
For Bituminous Coated And 25% Paved, Add	164.49	
For Smooth-Flo, Add	194.63	
33 42 11 00-0862 LF 117" x 79" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch .....	519.26	91.61
For Bituminous Coated Pipe, Add	66.35	
For Bituminous Coated And 25% Paved, Add	173.84	
For Smooth-Flo, Add	205.69	
33 42 11 00-0863 LF 128" x 83" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch .....	553.04	101.79
For Bituminous Coated Pipe, Add	69.90	
For Bituminous Coated And 25% Paved, Add	183.13	
For Smooth-Flo, Add	216.68	
33 42 11 00-0864 LF 137" x 87" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch .....	588.18	111.97
For Bituminous Coated Pipe, Add	73.79	
For Bituminous Coated And 25% Paved, Add	193.34	
For Smooth-Flo, Add	228.76	
<b>33 42 11 00-0865</b> 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch <sup>(33 42 11 00-0844)</sup>		
33 42 11 00-0866 LF 81" x 59" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch .....	420.23	65.14
For Bituminous Coated Pipe, Add	58.14	
For Bituminous Coated And 25% Paved, Add	138.36	
For Smooth-Flo, Add	150.28	

**33 Utilities****33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0867 LF 87" x 63" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	454.81 62.46 148.66 161.46	71.24
33 42 11 00-0868 LF 95" x 67" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	486.66 66.80 158.97 172.67	76.33
33 42 11 00-0869 LF 103" x 71" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	518.38 71.11 169.23 183.81	81.43
33 42 11 00-0870 LF 112" x 75" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	550.88 75.42 179.50 194.97	86.52
33 42 11 00-0871 LF 117" x 79" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	586.32 79.76 189.84 206.19	91.61
33 42 11 00-0872 LF 128" x 83" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	624.01 84.09 200.13 217.37	101.79
33 42 11 00-0873 LF 137" x 87" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	662.75 88.71 211.12 229.31	111.97
33 42 11 00-0874 LF 142" x 91" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	704.84 94.25 224.31 243.63	122.14
<b>33 42 11 00-0875 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch (33 42 11 00-0812)</b>		
<b>33 42 11 00-0876 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch (33 42 11 00-0875)</b>		
33 42 11 00-0877 LF 81" x 59" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	377.32 49.55 120.91 153.87	65.14
33 42 11 00-0878 LF 87" x 63" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	407.50 53.00 129.32 164.57	71.24
33 42 11 00-0879 LF 95" x 67" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	434.71 56.41 137.63 175.14	76.33
33 42 11 00-0880 LF 103" x 71" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	461.92 59.81 145.95 185.72	81.43
33 42 11 00-0881 LF 112" x 75" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	489.98 63.24 154.31 196.37	86.52
33 42 11 00-0882 LF 117" x 79" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	521.17 66.73 162.83 207.21	91.61
33 42 11 00-0883 LF 128" x 83" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	554.57 70.20 171.29 217.98	101.79
33 42 11 00-0884 LF 137" x 87" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	591.97 74.55 181.90 231.48	111.97
<b>33 42 11 00-0885 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch (33 42 11 00-0875)</b>		
33 42 11 00-0886 LF 81" x 59" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	429.99 60.09 135.80 147.52	65.14
33 42 11 00-0887 LF 87" x 63" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	464.38 64.38 145.49 158.04	71.24



	<b>Utilities</b>	<b>33</b>
	<b>Stormwater Utilities</b>	<b>33 40</b>
	<b>Stormwater Conveyance</b>	<b>33 42</b>

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0888 LF 95" x 67" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	495.88 68.64 155.13 168.51	76.33
33 42 11 00-0889 LF 103" x 71" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	527.49 72.93 164.82 179.04	81.43
33 42 11 00-0890 LF 112" x 75" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	559.11 77.07 174.17 189.20	86.52
33 42 11 00-0891 LF 117" x 79" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	595.16 81.53 184.26 200.16	91.61
33 42 11 00-0892 LF 128" x 83" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	632.92 85.87 194.07 210.82	101.79
33 42 11 00-0893 LF 137" x 87" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	674.65 91.09 205.85 223.62	111.97
33 42 11 00-0894 LF 142" x 91" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	713.64 96.01 216.98 235.70	122.14
<b>33 42 11 00-0895 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch</b> <small>(33 42 11 00-0812)</small>		
<b>33 42 11 00-0896 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch</b> <small>(33 42 11 00-0895)</small>		
33 42 11 00-0897 LF 17" x 13" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	67.98	10.37
33 42 11 00-0898 LF 21" x 15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	77.85	11.32
33 42 11 00-0899 LF 24" x 18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	91.06	12.26
33 42 11 00-0900 LF 28" x 20" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	103.40	13.20
33 42 11 00-0901 LF 35" x 24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	133.46	16.98
33 42 11 00-0902 LF 42" x 29" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	175.22	22.39
<b>33 42 11 00-0903 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch</b> <small>(33 42 11 00-0895)</small>		
33 42 11 00-0904 LF 17" x 13" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	77.40	10.37
33 42 11 00-0905 LF 21" x 15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	89.36	11.32
33 42 11 00-0906 LF 24" x 18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	103.91	12.26
33 42 11 00-0907 LF 28" x 20" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	118.33	13.20
33 42 11 00-0908 LF 35" x 24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	152.03	16.98
33 42 11 00-0909 LF 42" x 29" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	197.31	22.39
33 42 11 00-0910 LF 49" x 33" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	230.50	26.47
<b>33 42 11 00-0911 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch</b> <small>(33 42 11 00-0895)</small>		
33 42 11 00-0912 LF 21" x 15" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	117.58	11.32
33 42 11 00-0913 LF 24" x 18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	137.33	12.26
33 42 11 00-0914 LF 28" x 20" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	156.18	13.20
33 42 11 00-0915 LF 35" x 24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	199.26	16.98
33 42 11 00-0916 LF 42" x 29" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	254.36	22.39
33 42 11 00-0917 LF 49" x 33" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	296.93	26.47
33 42 11 00-0918 LF 57" x 38" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	350.32	30.53
33 42 11 00-0919 LF 64" x 43" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	388.83	34.61
<b>33 42 11 00-0920 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch</b> <small>(33 42 11 00-0895)</small>		
33 42 11 00-0921 LF 42" x 29" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	299.11	22.39
33 42 11 00-0922 LF 49" x 33" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	349.14	26.47
33 42 11 00-0923 LF 57" x 38" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	409.51	30.53
33 42 11 00-0924 LF 64" x 43" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	455.75	34.61
33 42 11 00-0925 LF 64" x 43" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	499.29	36.64
<b>33 42 11 00-0926 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch</b> <small>(33 42 11 00-0812)</small>		
<b>33 42 11 00-0927 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch</b> <small>(33 42 11 00-0926)</small>		
33 42 11 00-0928 LF 60" x 46" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	392.73	34.61
33 42 11 00-0929 LF 66" x 51" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	429.06	36.64
33 42 11 00-0930 LF 73" x 55" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	537.08	44.79
33 42 11 00-0931 LF 81" x 59" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	610.92	65.14
33 42 11 00-0932 LF 87" x 63" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	657.51	71.24
33 42 11 00-0933 LF 95" x 67" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	701.47	76.33
33 42 11 00-0934 LF 103" x 71" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	745.23	81.43

**33 Utilities****33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0935 LF 112" x 75" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	789.83	86.52
<b>33 42 11 00-0936 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch</b> <small>(33 42 11 00-0926)</small>		
33 42 11 00-0937 LF 66" x 51" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	536.96	36.64
33 42 11 00-0938 LF 73" x 55" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	657.19	44.79
33 42 11 00-0939 LF 81" x 59" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	741.64	65.14
33 42 11 00-0940 LF 87" x 63" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	798.65	71.24
33 42 11 00-0941 LF 95" x 67" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	853.09	76.33
33 42 11 00-0942 LF 103" x 71" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	907.44	81.43
33 42 11 00-0943 LF 112" x 75" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	962.40	86.52
33 42 11 00-0944 LF 117" x 79" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,020.54	91.61
33 42 11 00-0945 LF 128" x 83" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,080.78	101.79
33 42 11 00-0946 LF 137" x 87" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,145.03	111.97
<b>33 42 11 00-0947 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch</b> <small>(33 42 11 00-0926)</small>		
33 42 11 00-0948 LF 81" x 59" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	860.24	65.14
33 42 11 00-0949 LF 87" x 63" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	927.05	71.24
33 42 11 00-0950 LF 95" x 67" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	991.28	76.33
33 42 11 00-0951 LF 103" x 71" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,055.16	81.43
33 42 11 00-0952 LF 112" x 75" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,119.89	86.52
33 42 11 00-0953 LF 117" x 79" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,187.73	91.61
33 42 11 00-0954 LF 128" x 83" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,257.74	101.79
33 42 11 00-0955 LF 137" x 87" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,330.89	111.97
33 42 11 00-0956 LF 142" x 91" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,414.33	122.14
<b>33 42 11 00-0957 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch</b> <small>(33 42 11 00-0812)</small>		
<b>33 42 11 00-0958 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch</b> <small>(33 42 11 00-0957)</small>		
33 42 11 00-0959 LF 81" x 59" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	730.98	65.14
33 42 11 00-0960 LF 87" x 63" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	785.32	71.24
33 42 11 00-0961 LF 95" x 67" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	836.43	76.33
33 42 11 00-0962 LF 103" x 71" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	887.46	81.43
33 42 11 00-0963 LF 112" x 75" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	939.55	86.52
33 42 11 00-0964 LF 117" x 79" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	995.20	91.61
33 42 11 00-0965 LF 128" x 83" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,052.88	101.79
33 42 11 00-0966 LF 137" x 87" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,120.73	111.97
<b>33 42 11 00-0967 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch</b> <small>(33 42 11 00-0957)</small>		
33 42 11 00-0968 LF 81" x 59" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	857.47	65.14
33 42 11 00-0969 LF 87" x 63" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	921.85	71.24
33 42 11 00-0970 LF 95" x 67" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	983.22	76.33
33 42 11 00-0971 LF 103" x 71" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,044.86	81.43
33 42 11 00-0972 LF 112" x 75" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,105.58	86.52
33 42 11 00-0973 LF 117" x 79" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,172.83	91.61
33 42 11 00-0974 LF 128" x 83" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,241.03	101.79
33 42 11 00-0975 LF 137" x 87" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,319.40	111.97
33 42 11 00-0976 LF 142" x 91" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,392.69	122.14
<b>33 42 11 00-0977 Aluminized Type 2 Corrugated Steel Piping</b> <small>(33 42 11 00-0468)</small>		
<b>33 42 11 00-0978 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Piping</b> <small>(33 42 11 00-0977)</small>		
<b>33 42 11 00-0979 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Piping</b> <small>(33 42 11 00-0978)</small>		
33 42 11 00-0980 LF 12" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	39.18	9.90
For 1/2 Bituminous Coated And 25% Paved, Add	7.51	
33 42 11 00-0981 LF 15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	44.73	10.37
For 1/2 Bituminous Coated And 25% Paved, Add	9.47	
33 42 11 00-0982 LF 18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	50.48	11.32
For 1/2 Bituminous Coated And 25% Paved, Add	11.47	
33 42 11 00-0983 LF 21" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	57.78	12.26
For 1/2 Bituminous Coated And 25% Paved, Add	13.72	
33 42 11 00-0984 LF 24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	64.11	13.20
For 1/2 Bituminous Coated And 25% Paved, Add	15.45	
33 42 11 00-0985 LF 30" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	84.44	16.98
For 1/2 Bituminous Coated And 25% Paved, Add	20.04	
33 42 11 00-0986 LF 36" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	110.08	22.39
For 1/2 Bituminous Coated And 25% Paved, Add	25.28	
33 42 11 00-0987 LF 42" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	125.85	26.47
For 1/2 Bituminous Coated And 25% Paved, Add	29.91	
33 42 11 00-0988 LF 48" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	141.41	30.53
For 1/2 Bituminous Coated And 25% Paved, Add	33.51	



<b>Utilities</b>	<b>33</b>	<b>CS</b>
Stormwater Utilities	33 40	
Stormwater Conveyance	33 42	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>33 42 11 00-0989 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel</b>		
<b>Piping</b> <small>(33 42 11 00-0978)</small>		
33 42 11 00-0990 LF 12" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	43.24 7.14	9.90
33 42 11 00-0991 LF 15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	49.74 8.96	10.37
33 42 11 00-0992 LF 18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	56.45 10.83	11.32
33 42 11 00-0993 LF 21" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	64.71 12.88	12.26
33 42 11 00-0994 LF 24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	72.15 14.58	13.20
33 42 11 00-0995 LF 30" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	94.28 18.73	16.98
33 42 11 00-0996 LF 36" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	121.99 23.46	22.39
33 42 11 00-0997 LF 42" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	139.55 27.63	26.47
33 42 11 00-0998 LF 48" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	157.03 31.05	30.53
33 42 11 00-0999 LF 54" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	188.24 38.17	34.61
<b>33 42 11 00-1000 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel</b>		
<b>Piping</b> <small>(33 42 11 00-0978)</small>		
33 42 11 00-1001 LF 18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	69.01 10.09	11.32
33 42 11 00-1002 LF 21" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	79.37 11.94	12.26
33 42 11 00-1003 LF 24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	88.80 13.53	13.20
33 42 11 00-1004 LF 30" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	115.06 17.25	16.98
33 42 11 00-1005 LF 36" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	147.06 21.41	22.39
33 42 11 00-1006 LF 42" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	168.61 25.11	26.47
33 42 11 00-1007 LF 48" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	190.17 28.32	30.53
33 42 11 00-1008 LF 54" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	226.10 34.20	34.61
33 42 11 00-1009 LF 60" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	246.97 37.39	36.64
33 42 11 00-1010 LF 66" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	301.55 45.98	44.79
<b>33 42 11 00-1011 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel</b>		
<b>Piping</b> <small>(33 42 11 00-0978)</small>		
33 42 11 00-1012 LF 36" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	169.61 23.45	22.39
33 42 11 00-1013 LF 42" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	194.98 27.49	26.47
33 42 11 00-1014 LF 48" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	220.11 31.04	30.53
33 42 11 00-1015 LF 54" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	259.66 36.98	34.61
33 42 11 00-1016 LF 60" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	284.33 40.56	36.64
33 42 11 00-1017 LF 66" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	342.58 48.94	44.79
33 42 11 00-1018 LF 72" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	402.82 52.47	65.14
<b>33 42 11 00-1019 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Piping</b> <small>(33 42 11 00-0977)</small>		
<b>33 42 11 00-1020 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Piping</b> <small>(33 42 11 00-1019)</small>		
33 42 11 00-1021 LF 36" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	127.81 28.11	22.39
33 42 11 00-1022 LF 42" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	146.14 33.01	26.47
33 42 11 00-1023 LF 48" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	164.22 37.02	30.53
33 42 11 00-1024 LF 54" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	196.24 45.22	34.61
33 42 11 00-1025 LF 60" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	213.82 49.26	36.64

**33 Utilities****33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1026	LF	66" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	268.48	44.79
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	63.28	
33 42 11 00-1027	LF	72" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	322.24	65.14
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	67.44	
33 42 11 00-1028	LF	78" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	347.13	71.24
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	71.62	
33 42 11 00-1029	LF	84" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	369.30	76.33
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	75.82	
33 42 11 00-1030	LF	90" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	391.45	81.43
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	80.01	
33 42 11 00-1031	LF	96" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	414.31	86.52
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	84.19	
33 42 11 00-1032	LF	102" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	440.10	91.61
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	88.41	
<b>33 42 11 00-1033</b>		<b>14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Piping</b>		
		<small>(33 42 11 00-1019)</small>		
33 42 11 00-1034	LF	54" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	216.60	34.61
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	39.18	
33 42 11 00-1035	LF	60" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	236.33	36.64
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	42.77	
33 42 11 00-1036	LF	66" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	293.24	44.79
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	53.85	
33 42 11 00-1037	LF	72" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	349.23	65.14
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	57.56	
33 42 11 00-1038	LF	78" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	376.30	71.24
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	61.26	
33 42 11 00-1039	LF	84" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	400.76	76.33
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	65.00	
33 42 11 00-1040	LF	90" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	425.05	81.43
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	68.70	
33 42 11 00-1041	LF	96" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	450.10	86.52
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	72.40	
33 42 11 00-1042	LF	102" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	478.07	91.61
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	76.13	
33 42 11 00-1043	LF	108" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	508.33	101.79
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	79.85	
33 42 11 00-1044	LF	114" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	537.96	111.97
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	83.51	
<b>33 42 11 00-1045</b>		<b>12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Piping</b>		
		<small>(33 42 11 00-1019)</small>		
33 42 11 00-1046	LF	60" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	286.35	36.64
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	57.37	
33 42 11 00-1047	LF	66" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	348.63	44.79
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	70.19	
33 42 11 00-1048	LF	72" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	409.44	65.14
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	75.29	
33 42 11 00-1049	LF	78" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	441.41	71.24
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	80.41	
33 42 11 00-1050	LF	84" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	470.69	76.33
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	85.54	
33 42 11 00-1051	LF	90" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	499.89	81.43
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	90.66	
33 42 11 00-1052	LF	96" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	529.79	86.52
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	95.77	
33 42 11 00-1053	LF	102" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	562.62	91.61
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	100.91	
33 42 11 00-1054	LF	108" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	597.71	101.79
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	106.03	
33 42 11 00-1055	LF	114" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	632.24	111.97
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	111.10	
33 42 11 00-1056	LF	120" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	665.72	122.14
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	116.24	
<b>33 42 11 00-1057</b>		<b>10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Piping</b>		
		<small>(33 42 11 00-1019)</small>		
33 42 11 00-1058	LF	72" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	465.59	65.14
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	92.41	
33 42 11 00-1059	LF	78" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	502.08	71.24
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	98.88	
33 42 11 00-1060	LF	84" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	536.00	76.33
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	105.41	
33 42 11 00-1061	LF	90" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	569.75	81.43
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	111.90	
33 42 11 00-1062	LF	96" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	604.32	86.52
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	118.40	
33 42 11 00-1063	LF	102" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	641.78	91.61
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	124.93	
33 42 11 00-1064	LF	108" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	681.42	101.79
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	131.41	



	<b>Utilities</b>	<b>33</b>	
	<b>Stormwater Utilities</b>	<b>33 40</b>	<b>CS</b>
	<b>Stormwater Conveyance</b>	<b>33 42</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1065 LF 114" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	720.55 137.87	111.97
33 42 11 00-1066 LF 120" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	758.66 144.39	122.14
33 42 11 00-1067 LF 126" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	798.59 150.87	132.32
33 42 11 00-1068 LF 132" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	841.16 157.38	142.50
33 42 11 00-1069 LF 138" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	886.85 163.91	152.68
<b>33 42 11 00-1070 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Piping</b> <small>(33 42 11 00-0977)</small>		
<b>33 42 11 00-1071 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Piping</b> <small>(33 42 11 00-1070)</small>		
33 42 11 00-1072 LF 48" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	164.87 45.86	30.53
33 42 11 00-1073 LF 54" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	197.42 56.19	34.61
33 42 11 00-1074 LF 60" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	214.85 61.11	36.64
33 42 11 00-1075 LF 66" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	266.18 76.93	44.79
33 42 11 00-1076 LF 72" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	319.68 81.95	65.14
33 42 11 00-1077 LF 78" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	344.26 86.96	71.24
33 42 11 00-1078 LF 84" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	366.00 91.94	76.33
33 42 11 00-1079 LF 90" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	387.66 96.89	81.43
33 42 11 00-1080 LF 96" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	410.29 101.94	86.52
33 42 11 00-1081 LF 102" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	436.00 107.10	91.61
<b>33 42 11 00-1082 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Piping</b> <small>(33 42 11 00-1070)</small>		
33 42 11 00-1083 LF 54" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	222.88 52.98	34.61
33 42 11 00-1084 LF 60" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	243.22 57.85	36.64
33 42 11 00-1085 LF 66" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	297.07 71.19	44.79
33 42 11 00-1086 LF 72" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	353.09 76.00	65.14
33 42 11 00-1087 LF 78" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	380.67 80.98	71.24
33 42 11 00-1088 LF 84" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	405.24 85.87	76.33
33 42 11 00-1089 LF 90" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	428.35 90.27	81.43
33 42 11 00-1090 LF 96" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	455.04 95.63	86.52
33 42 11 00-1091 LF 102" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	483.16 100.52	91.61
33 42 11 00-1092 LF 108" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	513.46 105.37	101.79
33 42 11 00-1093 LF 114" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	543.70 110.32	111.97
<b>33 42 11 00-1094 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Piping</b> <small>(33 42 11 00-1070)</small>		
33 42 11 00-1095 LF 60" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	296.23 63.82	36.64
33 42 11 00-1096 LF 66" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	355.52 76.60	44.79
33 42 11 00-1097 LF 72" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	417.09 82.24	65.14
33 42 11 00-1098 LF 78" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	449.57 87.82	71.24
33 42 11 00-1099 LF 84" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	479.15 93.37	76.33
33 42 11 00-1100 LF 90" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	509.00 99.00	81.43
33 42 11 00-1101 LF 96" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	539.40 104.57	86.52
33 42 11 00-1102 LF 102" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe ..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	572.62 110.14	91.61

**33 Utilities****33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1103 LF 108" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	608.31	101.79
For 1/2 Bituminous Coated And 25% Paved, Add	115.76	
33 42 11 00-1104 LF 114" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	643.49	111.97
For 1/2 Bituminous Coated And 25% Paved, Add	121.34	
33 42 11 00-1105 LF 120" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	677.40	122.14
For 1/2 Bituminous Coated And 25% Paved, Add	126.93	
<b>33 42 11 00-1106 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Piping</b> <small>(33 42 11 00-1070)</small>		
33 42 11 00-1107 LF 72" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	478.38	65.14
For 1/2 Bituminous Coated And 25% Paved, Add	99.77	
33 42 11 00-1108 LF 78" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	516.55	71.24
For 1/2 Bituminous Coated And 25% Paved, Add	106.98	
33 42 11 00-1109 LF 84" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	551.46	76.33
For 1/2 Bituminous Coated And 25% Paved, Add	114.05	
33 42 11 00-1110 LF 90" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	586.13	81.43
For 1/2 Bituminous Coated And 25% Paved, Add	121.06	
33 42 11 00-1111 LF 96" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	621.74	86.52
For 1/2 Bituminous Coated And 25% Paved, Add	128.12	
33 42 11 00-1112 LF 102" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	660.04	91.61
For 1/2 Bituminous Coated And 25% Paved, Add	135.15	
33 42 11 00-1113 LF 108" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	700.79	101.79
For 1/2 Bituminous Coated And 25% Paved, Add	142.21	
33 42 11 00-1114 LF 114" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	741.10	111.97
For 1/2 Bituminous Coated And 25% Paved, Add	149.26	
33 42 11 00-1115 LF 120" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	780.02	122.14
For 1/2 Bituminous Coated And 25% Paved, Add	156.28	
33 42 11 00-1116 LF 126" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	828.83	132.32
For 1/2 Bituminous Coated And 25% Paved, Add	165.55	
33 42 11 00-1117 LF 132" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	874.39	142.50
For 1/2 Bituminous Coated And 25% Paved, Add	173.18	
33 42 11 00-1118 LF 138" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	924.05	152.68
For 1/2 Bituminous Coated And 25% Paved, Add	181.10	
<b>33 42 11 00-1119 Helical Ribbed, Aluminized Type 2 Corrugated Steel Piping</b> <small>(33 42 11 00-0977)</small>		
<b>33 42 11 00-1120 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Piping</b> <small>(33 42 11 00-1119)</small>		
33 42 11 00-1121 LF 18" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe .....	57.33	11.32
33 42 11 00-1122 LF 21" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe .....	65.71	12.26
33 42 11 00-1123 LF 24" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe .....	73.49	13.20
33 42 11 00-1124 LF 30" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe .....	95.88	16.98
33 42 11 00-1125 LF 36" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe .....	123.52	22.39
33 42 11 00-1126 LF 42" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe .....	141.35	26.47
33 42 11 00-1127 LF 48" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe .....	159.44	30.53
33 42 11 00-1128 LF 54" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe .....	189.31	34.61
33 42 11 00-1129 LF 60" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe .....	206.85	36.64
<b>33 42 11 00-1130 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Piping</b> <small>(33 42 11 00-1119)</small>		
33 42 11 00-1131 LF 18" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe .....	63.23	11.32
33 42 11 00-1132 LF 21" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe .....	72.60	12.26
33 42 11 00-1133 LF 24" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe .....	81.30	13.20
33 42 11 00-1134 LF 30" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe .....	105.64	16.98
33 42 11 00-1135 LF 36" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe .....	135.27	22.39
33 42 11 00-1136 LF 42" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe .....	155.09	26.47
33 42 11 00-1137 LF 48" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe .....	175.13	30.53
33 42 11 00-1138 LF 54" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe .....	206.96	34.61
33 42 11 00-1139 LF 60" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe .....	226.53	36.64
33 42 11 00-1140 LF 66" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe .....	275.52	44.79
33 42 11 00-1141 LF 72" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe .....	330.74	65.14
33 42 11 00-1142 LF 78" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe .....	357.24	71.24
<b>33 42 11 00-1143 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Piping</b> <small>(33 42 11 00-1119)</small>		
33 42 11 00-1144 LF 30" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe .....	125.43	16.98
33 42 11 00-1145 LF 36" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe .....	158.97	22.39
33 42 11 00-1146 LF 42" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe .....	182.85	26.47
33 42 11 00-1147 LF 48" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe .....	206.79	30.53
33 42 11 00-1148 LF 54" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe .....	242.55	34.61
33 42 11 00-1149 LF 60" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe .....	266.14	36.64
33 42 11 00-1150 LF 66" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe .....	319.00	44.79
33 42 11 00-1151 LF 72" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe .....	378.13	65.14
33 42 11 00-1152 LF 78" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe .....	408.57	71.24
33 42 11 00-1153 LF 84" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe .....	436.13	76.33
33 42 11 00-1154 LF 90" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe .....	463.72	81.43
33 42 11 00-1155 LF 96" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe .....	491.94	86.52
33 42 11 00-1156 LF 102" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe .....	521.13	91.61





<b>Utilities</b>	<b>33</b>	<b>CS</b>
Stormwater Utilities	33 40	
Stormwater Conveyance	33 42	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1157 Aluminized Type 2 Corrugated Steel Pipe-Arch <small>(33 42 11 00-0468)</small>		
33 42 11 00-1158 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <small>(33 42 11 00-1157)</small>		
33 42 11 00-1159 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <small>(33 42 11 00-1158)</small>		
33 42 11 00-1160 LF 17" x 13" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	46.10	10.37
For 1/2 Bituminous Coated And 40% Paved, Add	12.23	
33 42 11 00-1161 LF 21" x 15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	51.71	11.32
For 1/2 Bituminous Coated And 40% Paved, Add	14.61	
33 42 11 00-1162 LF 24" x 18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	59.47	12.26
For 1/2 Bituminous Coated And 40% Paved, Add	17.57	
33 42 11 00-1163 LF 28" x 20" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	66.94	13.20
For 1/2 Bituminous Coated And 40% Paved, Add	20.25	
33 42 11 00-1164 LF 35" x 24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	87.00	16.98
For 1/2 Bituminous Coated And 40% Paved, Add	25.72	
33 42 11 00-1165 LF 42" x 29" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	114.79	22.39
For 1/2 Bituminous Coated And 40% Paved, Add	33.17	
33 42 11 00-1166 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <small>(33 42 11 00-1158)</small>		
33 42 11 00-1167 LF 17" x 13" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	51.12	10.37
For 1/2 Bituminous Coated And 40% Paved, Add	12.67	
33 42 11 00-1168 LF 21" x 15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	57.79	11.32
For 1/2 Bituminous Coated And 40% Paved, Add	15.18	
33 42 11 00-1169 LF 24" x 18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	66.32	12.26
For 1/2 Bituminous Coated And 40% Paved, Add	18.06	
33 42 11 00-1170 LF 28" x 20" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	74.87	13.20
For 1/2 Bituminous Coated And 40% Paved, Add	20.83	
33 42 11 00-1171 LF 35" x 24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	96.88	16.98
For 1/2 Bituminous Coated And 40% Paved, Add	26.37	
33 42 11 00-1172 LF 42" x 29" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	126.54	22.39
For 1/2 Bituminous Coated And 40% Paved, Add	33.59	
33 42 11 00-1173 LF 49" x 33" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	145.98	26.47
For 1/2 Bituminous Coated And 40% Paved, Add	40.02	
33 42 11 00-1174 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <small>(33 42 11 00-1158)</small>		
33 42 11 00-1175 LF 21" x 15" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	70.20	11.32
For 1/2 Bituminous Coated And 40% Paved, Add	13.91	
33 42 11 00-1176 LF 24" x 18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	81.02	12.26
For 1/2 Bituminous Coated And 40% Paved, Add	16.53	
33 42 11 00-1177 LF 28" x 20" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	91.52	13.20
For 1/2 Bituminous Coated And 40% Paved, Add	18.97	
33 42 11 00-1178 LF 35" x 24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	117.66	16.98
For 1/2 Bituminous Coated And 40% Paved, Add	23.94	
33 42 11 00-1179 LF 42" x 29" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	151.65	22.39
For 1/2 Bituminous Coated And 40% Paved, Add	30.10	
33 42 11 00-1180 LF 49" x 33" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	175.27	26.47
For 1/2 Bituminous Coated And 40% Paved, Add	35.68	
33 42 11 00-1181 LF 57" x 38" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	205.45	30.53
For 1/2 Bituminous Coated And 40% Paved, Add	42.48	
33 42 11 00-1182 LF 64" x 43" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	229.08	34.61
For 1/2 Bituminous Coated And 40% Paved, Add	46.83	
33 42 11 00-1183 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <small>(33 42 11 00-1158)</small>		
33 42 11 00-1184 LF 42" x 29" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	174.20	22.39
For 1/2 Bituminous Coated And 40% Paved, Add	31.68	
33 42 11 00-1185 LF 49" x 33" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	201.56	26.47
For 1/2 Bituminous Coated And 40% Paved, Add	37.44	
33 42 11 00-1186 LF 57" x 38" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	235.27	30.53
For 1/2 Bituminous Coated And 40% Paved, Add	44.20	
33 42 11 00-1187 LF 64" x 43" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	262.80	34.61
For 1/2 Bituminous Coated And 40% Paved, Add	48.94	
33 42 11 00-1188 LF 71" x 47" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	287.73	36.64
For 1/2 Bituminous Coated And 40% Paved, Add	53.67	
33 42 11 00-1189 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <small>(33 42 11 00-1157)</small>		
33 42 11 00-1190 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <small>(33 42 11 00-1189)</small>		
33 42 11 00-1191 LF 60" x 46" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	220.62	34.61
For 1/2 Bituminous Coated And 40% Paved, Add	70.34	
33 42 11 00-1192 LF 66" x 51" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch.....	241.11	36.64
For 1/2 Bituminous Coated And 40% Paved, Add	76.96	

**33 Utilities****33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1193	LF	73" x 55" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	298.75 96.67	44.79
33 42 11 00-1194	LF	81" x 59" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	355.81 103.63	65.14
33 42 11 00-1195	LF	87" x 63" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	384.76 110.96	71.24
33 42 11 00-1196	LF	95" x 67" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	410.98 118.30	76.33
33 42 11 00-1197	LF	103" x 71" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	437.11 125.61	81.43
33 42 11 00-1198	LF	112" x 75" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	464.03 132.94	86.52
<b>33 42 11 00-1199</b>		<b>12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch</b> <small>(33 42 11 00-1189)</small>		
33 42 11 00-1200	LF	66" x 51" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	291.18 87.46	36.64
33 42 11 00-1201	LF	73" x 55" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	354.26 106.89	44.79
33 42 11 00-1202	LF	81" x 59" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	416.25 114.97	65.14
33 42 11 00-1203	LF	87" x 63" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	450.03 123.32	71.24
33 42 11 00-1204	LF	95" x 67" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	481.18 131.73	76.33
33 42 11 00-1205	LF	103" x 71" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	512.25 140.11	81.43
33 42 11 00-1206	LF	112" x 75" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	543.99 148.46	86.52
33 42 11 00-1207	LF	117" x 79" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	578.74 156.89	91.61
33 42 11 00-1208	LF	128" x 83" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	615.70 165.27	101.79
33 42 11 00-1209	LF	137" x 87" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	654.36 174.49	111.97
<b>33 42 11 00-1210</b>		<b>10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch</b> <small>(33 42 11 00-1189)</small>		
33 42 11 00-1211	LF	81" x 59" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	472.37 124.44	65.14
33 42 11 00-1212	LF	87" x 63" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	510.81 133.70	71.24
33 42 11 00-1213	LF	95" x 67" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	546.56 142.98	76.33
33 42 11 00-1214	LF	103" x 71" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	582.15 152.21	81.43
33 42 11 00-1215	LF	112" x 75" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	621.62 162.57	86.52
33 42 11 00-1216	LF	117" x 79" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	657.86 170.74	91.61
33 42 11 00-1217	LF	128" x 83" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	699.45 180.01	101.79
33 42 11 00-1218	LF	137" x 87" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	742.29 189.87	111.97
33 42 11 00-1219	LF	142" x 91" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	789.36 201.74	122.14
<b>33 42 11 00-1220</b>		<b>125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch</b> <small>(33 42 11 00-1157)</small>		
<b>33 42 11 00-1221</b>		<b>12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch</b> <small>(33 42 11 00-1220)</small>		
33 42 11 00-1222	LF	81" x 59" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	421.92 113.15	65.14
33 42 11 00-1223	LF	87" x 63" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	455.19 121.01	71.24
33 42 11 00-1224	LF	95" x 67" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	485.51 128.81	76.33
33 42 11 00-1225	LF	103" x 71" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	515.77 136.58	81.43
33 42 11 00-1226	LF	112" x 75" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	546.90 144.40	86.52
33 42 11 00-1227	LF	117" x 79" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	581.23 152.37	91.61
33 42 11 00-1228	LF	128" x 83" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	617.77 160.30	101.79
33 42 11 00-1229	LF	137" x 87" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	659.07 170.22	111.97



<b>Utilities</b>	<b>33</b>	<b>CS</b>
<b>Stormwater Utilities</b>	<b>33 40</b>	
<b>Stormwater Conveyance</b>	<b>33 42</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>33 42 11 00-1230 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch</b> <small>(33 42 11 00-1220)</small>		
33 42 11 00-1231 LF 81" x 59" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch ..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	484.08 125.50	65.14
33 42 11 00-1232 LF 87" x 63" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch ..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	522.33 134.46	71.24
33 42 11 00-1233 LF 95" x 67" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch ..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	557.66 143.36	76.33
33 42 11 00-1234 LF 103" x 71" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch ..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	593.13 152.32	81.43
33 42 11 00-1235 LF 112" x 75" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch ..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	628.51 160.98	86.52
33 42 11 00-1236 LF 117" x 79" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch ..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	668.54 170.29	91.61
33 42 11 00-1237 LF 128" x 83" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch ..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	710.25 179.37	101.79
33 42 11 00-1238 LF 137" x 87" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch ..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	756.64 190.25	111.97
33 42 11 00-1239 LF 142" x 91" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch ..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	800.08 200.53	122.14
<b>33 42 11 00-1240 Spiral Lockseam Corrugated Aluminum Piping</b> <small>(33 42 11 00-0468)</small>		
<b>33 42 11 00-1241 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Piping</b> <small>(33 42 11 00-1240)</small>		
<b>33 42 11 00-1242 18 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Piping</b> <small>(33 42 11 00-1241)</small>		
33 42 11 00-1243 LF 6" 18 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe ..... <i>For Bituminous Coated Pipe, Add</i>	23.43 2.33	5.66
33 42 11 00-1244 LF 8" 18 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe ..... <i>For Bituminous Coated Pipe, Add</i>	30.17 3.16	7.08
33 42 11 00-1245 LF 10" 18 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe ..... <i>For Bituminous Coated Pipe, Add</i>	39.09 4.16	8.48
<b>33 42 11 00-1246 16 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Piping</b> <small>(33 42 11 00-1241)</small>		
33 42 11 00-1247 LF 6" 16 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe ..... <i>For Bituminous Coated Pipe, Add</i>	26.10 2.31	5.66
33 42 11 00-1248 LF 8" 16 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe ..... <i>For Bituminous Coated Pipe, Add</i>	33.94 3.15	7.08
33 42 11 00-1249 LF 10" 16 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe ..... <i>For Bituminous Coated Pipe, Add</i>	44.12 4.17	8.48
<b>33 42 11 00-1250 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Piping</b> <small>(33 42 11 00-1240)</small>		
<b>33 42 11 00-1251 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Piping</b> <small>(33 42 11 00-1250)</small>		
33 42 11 00-1252 LF 12" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe ..... <i>For Bituminous Coated Pipe, Add</i>	45.32 4.58	9.90
33 42 11 00-1253 LF 15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe ..... <i>For Bituminous Coated Pipe, Add</i>	52.34 5.74	10.37
33 42 11 00-1254 LF 18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe ..... <i>For Bituminous Coated Pipe, Add</i>	59.80 6.98	11.32
33 42 11 00-1255 LF 21" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe ..... <i>For Bituminous Coated Pipe, Add</i>	68.86 8.33	12.26
33 42 11 00-1256 LF 24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe ..... <i>For Bituminous Coated Pipe, Add</i>	76.93 9.45	13.20
<b>33 42 11 00-1257 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Piping</b> <small>(33 42 11 00-1250)</small>		
33 42 11 00-1258 LF 12" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe ..... <i>For Bituminous Coated Pipe, Add</i>	51.03 4.48	9.90
33 42 11 00-1259 LF 15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe ..... <i>For Bituminous Coated Pipe, Add</i>	59.63 5.63	10.37
33 42 11 00-1260 LF 18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe ..... <i>For Bituminous Coated Pipe, Add</i>	68.54 6.83	11.32
33 42 11 00-1261 LF 21" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe ..... <i>For Bituminous Coated Pipe, Add</i>	78.98 8.11	12.26
33 42 11 00-1262 LF 24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe ..... <i>For Bituminous Coated Pipe, Add</i>	88.55 9.21	13.20
33 42 11 00-1263 LF 30" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe ..... <i>For Bituminous Coated Pipe, Add</i>	115.17 11.81	16.98
33 42 11 00-1264 LF 36" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe ..... <i>For Bituminous Coated Pipe, Add</i>	147.39 14.68	22.39

**33 Utilities****33 40 Stormwater Utilities****33 42 Stormwater Conveyance**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

33 42 11 00-1265	12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Piping <sup>(33 42 11 00-1250)</sup>		
33 42 11 00-1266	LF 24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe ..... <i>For Bituminous Coated Pipe, Add</i>	110.77 8.74	13.20
33 42 11 00-1267	LF 30" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe ..... <i>For Bituminous Coated Pipe, Add</i>	142.83 11.12	16.98
33 42 11 00-1268	LF 36" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe ..... <i>For Bituminous Coated Pipe, Add</i>	180.62 13.71	22.39
33 42 11 00-1269	LF 42" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe ..... <i>For Bituminous Coated Pipe, Add</i>	208.38 16.13	26.47
33 42 11 00-1270	LF 48" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe ..... <i>For Bituminous Coated Pipe, Add</i>	235.67 18.25	30.53
33 42 11 00-1271	LF 54" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe ..... <i>For Bituminous Coated Pipe, Add</i>	277.28 21.65	34.61
33 42 11 00-1272	10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Piping <sup>(33 42 11 00-1250)</sup>		
33 42 11 00-1273	LF 36" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe ..... <i>For Bituminous Coated Pipe, Add</i>	216.03 13.48	22.39
33 42 11 00-1274	LF 42" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe ..... <i>For Bituminous Coated Pipe, Add</i>	249.63 15.82	26.47
33 42 11 00-1275	LF 48" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe ..... <i>For Bituminous Coated Pipe, Add</i>	282.95 17.96	30.53
33 42 11 00-1276	LF 54" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe ..... <i>For Bituminous Coated Pipe, Add</i>	330.47 21.07	34.61
33 42 11 00-1277	LF 60" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe ..... <i>For Bituminous Coated Pipe, Add</i>	363.35 23.22	36.64
33 42 11 00-1278	3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Piping <sup>(33 42 11 00-1240)</sup>		
33 42 11 00-1279	16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Piping <sup>(33 42 11 00-1278)</sup>		
33 42 11 00-1280	LF 30" 16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	113.36	16.98
33 42 11 00-1281	LF 36" 16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	145.13	22.39
33 42 11 00-1282	LF 42" 16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	166.25	26.47
33 42 11 00-1283	LF 48" 16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	188.27	30.53
33 42 11 00-1284	LF 54" 16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	222.37	34.61
33 42 11 00-1285	14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Piping <sup>(33 42 11 00-1278)</sup>		
33 42 11 00-1286	LF 30" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	127.93	16.98
33 42 11 00-1287	LF 36" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	165.92	22.39
33 42 11 00-1288	LF 42" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	190.38	26.47
33 42 11 00-1289	LF 48" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	214.61	30.53
33 42 11 00-1290	LF 54" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	253.22	34.61
33 42 11 00-1291	LF 60" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	276.88	36.64
33 42 11 00-1292	LF 66" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	336.83	44.79
33 42 11 00-1293	LF 72" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	396.52	65.14
33 42 11 00-1294	LF 78" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	427.35	71.24
33 42 11 00-1295	12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Piping <sup>(33 42 11 00-1278)</sup>		
33 42 11 00-1296	LF 30" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	161.95	16.98
33 42 11 00-1297	LF 36" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	204.18	22.39
33 42 11 00-1298	LF 42" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	236.09	26.47
33 42 11 00-1299	LF 48" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	267.04	30.53
33 42 11 00-1300	LF 54" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	312.08	34.61
33 42 11 00-1301	LF 60" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	342.06	36.64
33 42 11 00-1302	LF 66" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	408.32	44.79
33 42 11 00-1303	LF 72" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	474.48	65.14
33 42 11 00-1304	LF 78" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	511.69	71.24
33 42 11 00-1305	LF 84" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	546.22	76.33
33 42 11 00-1306	LF 90" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	580.64	81.43
33 42 11 00-1307	LF 96" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	615.82	86.52
33 42 11 00-1308	10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Piping <sup>(33 42 11 00-1278)</sup>		
33 42 11 00-1309	LF 60" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	410.61	36.64
33 42 11 00-1310	LF 66" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	480.84	44.79
33 42 11 00-1311	LF 72" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	553.51	65.14
33 42 11 00-1312	LF 78" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	597.23	71.24
33 42 11 00-1313	LF 84" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	638.17	76.33
33 42 11 00-1314	LF 90" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	679.09	81.43
33 42 11 00-1315	LF 96" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	720.72	86.52



<b>Utilities</b>	<b>33</b>	<b>CS</b>
<b>Stormwater Utilities</b>	<b>33 40</b>	
<b>Stormwater Conveyance</b>	<b>33 42</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1316 LF 102" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe .....	765.32	91.61
33 42 11 00-1317 LF 108" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe .....	812.14	101.79
<b>33 42 11 00-1318 Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Piping</b> <small>(33 42 11 00-1240)</small>		
Note: Contech ULTRA FLO. HS 20 and HS 25 vehicular loading.		
<b>33 42 11 00-1319 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Piping</b> <small>(33 42 11 00-1318)</small>		
33 42 11 00-1320 LF 18" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	79.42	11.32
33 42 11 00-1321 LF 21" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	85.42	12.26
33 42 11 00-1322 LF 24" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	103.00	13.20
33 42 11 00-1323 LF 27" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	118.93	15.09
33 42 11 00-1324 LF 30" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	133.32	16.98
33 42 11 00-1325 LF 33" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	148.80	18.87
<b>33 42 11 00-1326 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Piping</b> <small>(33 42 11 00-1318)</small>		
33 42 11 00-1327 LF 18" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	91.75	11.32
33 42 11 00-1328 LF 21" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	106.09	12.26
33 42 11 00-1329 LF 24" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	119.57	13.20
33 42 11 00-1330 LF 27" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	137.53	15.09
33 42 11 00-1331 LF 30" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	153.95	16.98
33 42 11 00-1332 LF 33" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	171.53	18.87
33 42 11 00-1333 LF 36" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	194.22	22.39
33 42 11 00-1334 LF 42" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	224.22	26.47
33 42 11 00-1335 LF 48" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	253.72	30.53
<b>33 42 11 00-1336 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Piping</b> <small>(33 42 11 00-1318)</small>		
33 42 11 00-1337 LF 30" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	194.30	16.98
33 42 11 00-1338 LF 33" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	215.82	18.87
33 42 11 00-1339 LF 36" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	242.60	22.39
33 42 11 00-1340 LF 42" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	280.72	26.47
33 42 11 00-1341 LF 48" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	318.29	30.53
33 42 11 00-1342 LF 54" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	440.34	34.61
33 42 11 00-1343 LF 60" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	484.64	36.64
<b>33 42 11 00-1344 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Piping</b> <small>(33 42 11 00-1318)</small>		
33 42 11 00-1345 LF 48" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	449.85	30.53
33 42 11 00-1346 LF 54" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	521.45	34.61
33 42 11 00-1347 LF 60" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	574.86	36.64
33 42 11 00-1348 LF 66" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	667.87	44.79
33 42 11 00-1349 LF 72" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	756.08	65.14
33 42 11 00-1350 LF 78" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	816.08	71.24
33 42 11 00-1351 LF 84" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	872.80	76.33
<b>33 42 11 00-1352 Spiral Lockseam Aluminum Pipe-Arch</b> <small>(33 42 11 00-0468)</small>		
<b>33 42 11 00-1353 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch</b> <small>(33 42 11 00-1352)</small>		
<b>33 42 11 00-1354 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch</b> <small>(33 42 11 00-1353)</small>		
33 42 11 00-1355 LF 17" x 13" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	54.94	10.37
For Bituminous Coated Pipe, Add	5.75	
33 42 11 00-1356 LF 21" x 15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	62.27	11.32
For Bituminous Coated Pipe, Add	6.87	
33 42 11 00-1357 LF 24" x 18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	71.66	12.26
For Bituminous Coated Pipe, Add	8.18	
<b>33 42 11 00-1358 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch</b> <small>(33 42 11 00-1353)</small>		
33 42 11 00-1359 LF 17" x 13" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	62.24	10.37
For Bituminous Coated Pipe, Add	5.73	
33 42 11 00-1360 LF 21" x 15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	69.28	11.32
For Bituminous Coated Pipe, Add	6.61	
33 42 11 00-1361 LF 24" x 18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	81.79	12.26
For Bituminous Coated Pipe, Add	8.11	
33 42 11 00-1362 LF 28" x 20" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	92.36	13.20
For Bituminous Coated Pipe, Add	9.31	
33 42 11 00-1363 LF 35" x 24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	118.96	16.98
For Bituminous Coated Pipe, Add	11.78	
<b>33 42 11 00-1364 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch</b> <small>(33 42 11 00-1353)</small>		

**33 Utilities****33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1365 LF 28" x 20" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i>	114.60 8.87	13.20
33 42 11 00-1366 LF 35" x 24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i>	146.69 11.19	16.98
33 42 11 00-1367 LF 42" x 29" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i>	187.14 13.96	22.39
33 42 11 00-1368 LF 49" x 33" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i>	216.97 16.52	26.47
<b>33 42 11 00-1369 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch</b> <small>(33 42 11 00-1365)</small>		
33 42 11 00-1370 LF 42" x 29" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i>	222.51 13.48	22.39
33 42 11 00-1371 LF 49" x 33" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i>	258.30 15.90	26.47
33 42 11 00-1372 LF 57" x 38" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i>	300.35 18.63	30.53
33 42 11 00-1373 LF 64" x 43" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch..... <i>For Bituminous Coated Pipe, Add</i>	336.19 20.72	34.61
<b>33 42 11 00-1374 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch</b> <small>(33 42 11 00-1362)</small>		
<b>33 42 11 00-1375 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch</b> <small>(33 42 11 00-1374)</small>		
33 42 11 00-1376 LF 60" x 46" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	258.94	34.61
33 42 11 00-1377 LF 66" x 51" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	283.53	36.64
33 42 11 00-1378 LF 73" x 55" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	345.05	44.79
<b>33 42 11 00-1379 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch</b> <small>(33 42 11 00-1374)</small>		
33 42 11 00-1380 LF 60" x 46" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	317.80	34.61
33 42 11 00-1381 LF 66" x 51" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	348.71	36.64
33 42 11 00-1382 LF 73" x 55" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	416.24	44.79
33 42 11 00-1383 LF 81" x 59" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	483.01	65.14
33 42 11 00-1384 LF 95" x 63" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	520.81	71.24
33 42 11 00-1385 LF 95" x 67" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	555.95	76.33
<b>33 42 11 00-1386 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch</b> <small>(33 42 11 00-1374)</small>		
33 42 11 00-1387 LF 66" x 51" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	417.16	36.64
33 42 11 00-1388 LF 73" x 55" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	488.47	44.79
33 42 11 00-1389 LF 81" x 59" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	561.73	65.14
33 42 11 00-1390 LF 87" x 63" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	606.04	71.24
33 42 11 00-1391 LF 95" x 67" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	647.59	76.33
33 42 11 00-1392 LF 103" x 71" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	689.09	81.43
<b>33 42 11 00-1393 Corrugated Steel Pipe Fittings</b> <small>(33 42 11 00-0468)</small>		
Note: Equivalent pipe-arch sizes are approximate.		
<b>33 42 11 00-1394 Fabricate 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fittings</b> <small>(33 42 11 00-1393)</small>		
Note: Excludes material. Use appropriate size, gauge, corrugation and type of material from pipe sections for the listed requirements of pipe needed.		
33 42 11 00-1395 EA Fabricate 6" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 2' Of Appropriate Pipe) .....	84.60	
33 42 11 00-1396 EA Fabricate 8" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 2' Of Appropriate Pipe) .....	106.10	
33 42 11 00-1397 EA Fabricate 10" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 2' Of Appropriate Pipe) .....	127.59	
33 42 11 00-1398 EA Fabricate 12" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe) .....	150.43	
33 42 11 00-1399 EA Fabricate 15" (Or 17" x 13" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe).....	182.65	
33 42 11 00-1400 EA Fabricate 18" (Or 21" x 15" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe).....	214.86	
33 42 11 00-1401 EA Fabricate 21" (Or 24" x 18" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe).....	247.11	
33 42 11 00-1402 EA Fabricate 24" (Or 28" x 20" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe).....	279.33	
33 42 11 00-1403 EA Fabricate 30" (Or 35" x 24" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe).....	363.95	
33 42 11 00-1404 EA Fabricate 36" (Or 42" x 29" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe).....	433.77	
33 42 11 00-1405 EA Fabricate 42" (Or 49" x 33" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe).....	503.61	
33 42 11 00-1406 EA Fabricate 48" (Or 57" x 38" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe).....	651.34	
33 42 11 00-1407 EA Fabricate 54" (Or 64" x 43" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 8' Of Appropriate Pipe).....	734.61	
33 42 11 00-1408 EA Fabricate 60" (Or 71" x 47" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 8' Of Appropriate Pipe).....	820.56	
33 42 11 00-1409 EA Fabricate 66" (Or 77" x 52" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 8' Of Appropriate Pipe).....	909.20	



<b>Utilities</b>	<b>33</b>	<b>CS</b>
<b>Stormwater Utilities</b>	<b>33 40</b>	
<b>Stormwater Conveyance</b>	<b>33 42</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1410 EA Fabricate 72" (Or 83" x 57" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 10' Of Appropriate Pipe).....	1,107.95	
33 42 11 00-1411 EA Fabricate 78" (Or 87" x 63" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 10' Of Appropriate Pipe).....	1,208.66	
33 42 11 00-1412 EA Fabricate 84" (Or 95" x 67" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 10' Of Appropriate Pipe).....	1,312.07	
33 42 11 00-1413 EA Fabricate 90" (Or 103" x 71" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe).....	1,610.21	
33 42 11 00-1414 EA Fabricate 96" (Or 112" x 75" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe).....	1,728.41	
33 42 11 00-1415 EA Fabricate 102" (Or 117" x 79" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe).....	1,847.93	
33 42 11 00-1416 EA Fabricate 108" (Or 128" x 83" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 14' Of Appropriate Pipe).....	1,967.44	
33 42 11 00-1417 EA Fabricate 114" (Or 137" x 87" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 14' Of Appropriate Pipe).....	2,085.62	
33 42 11 00-1418 EA Fabricate 120" (Or 142" x 91" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 14' Of Appropriate Pipe).....	2,205.15	
33 42 11 00-1419 EA Fabricate 126" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 16' Of Appropriate Pipe).....	2,331.17	
33 42 11 00-1420 EA Fabricate 132" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 16' Of Appropriate Pipe).....	2,464.39	
33 42 11 00-1421 EA Fabricate 138" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 16' Of Appropriate Pipe).....	2,605.20	

**33 42 11 00-1422**

**Fabricate Corrugated Steel Pipe Tees Or Laterals** (33 42 11 00-1393)

Note: Fabrication charge excludes material. Use appropriate size, gauge, corrugation and type of material from pipe sections for the listed requirements of pipe needed.

33 42 11 00-1423 EA Fabricate 6" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 3' Of Appropriate Pipe).....	110.12	
33 42 11 00-1424 EA Fabricate 8" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 3' Of Appropriate Pipe).....	141.01	
33 42 11 00-1425 EA Fabricate 10" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 3' Of Appropriate Pipe).....	171.88	
33 42 11 00-1426 EA Fabricate 12" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 3' Of Appropriate Pipe).....	202.79	
33 42 11 00-1427 EA Fabricate 15" (Or 17" x 13" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe).....	247.11	
33 42 11 00-1428 EA Fabricate 18" (Or 21" x 15" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe).....	292.76	
33 42 11 00-1429 EA Fabricate 21" (Or 24" x 18" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe).....	338.45	
33 42 11 00-1430 EA Fabricate 24" (Or 28" x 20" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe).....	384.07	
33 42 11 00-1431 EA Fabricate 30" (Or 35" x 24" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 8' Of Appropriate Pipe).....	503.61	
33 42 11 00-1432 EA Fabricate 36" (Or 42" x 29" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 9' Of Appropriate Pipe).....	600.31	
33 42 11 00-1433 EA Fabricate 42" (Or 49" x 33" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 9' Of Appropriate Pipe).....	698.34	
33 42 11 00-1434 EA Fabricate 48" (Or 57" x 38" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 9' Of Appropriate Pipe).....	906.49	
33 42 11 00-1435 EA Fabricate 54" (Or 64" x 43" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe).....	1,020.64	
33 42 11 00-1436 EA Fabricate 60" (Or 71" x 47" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe).....	1,138.81	
33 42 11 00-1437 EA Fabricate 66" (Or 77" x 52" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe).....	1,259.70	
33 42 11 00-1438 EA Fabricate 72" (Or 83" x 57" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 14' Of Appropriate Pipe).....	1,536.33	
33 42 11 00-1439 EA Fabricate 78" (Or 87" x 63" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 16' Of Appropriate Pipe).....	1,673.34	
33 42 11 00-1440 EA Fabricate 84" (Or 95" x 67" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 16' Of Appropriate Pipe).....	1,813.00	
33 42 11 00-1441 EA Fabricate 90" (Or 103" x 71" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 18' Of Appropriate Pipe).....	2,230.64	
33 42 11 00-1442 EA Fabricate 96" (Or 112" x 75" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 18' Of Appropriate Pipe).....	2,390.46	
33 42 11 00-1443 EA Fabricate 102" (Or 117" x 79" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 20' Of Appropriate Pipe).....	2,550.27	
33 42 11 00-1444 EA Fabricate 108" (Or 128" x 83" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 20' Of Appropriate Pipe).....	2,711.42	
33 42 11 00-1445 EA Fabricate 114" (Or 137" x 87" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 21' Of Appropriate Pipe).....	2,872.59	
33 42 11 00-1446 EA Fabricate 120" (Or 142" x 91" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 21' Of Appropriate Pipe).....	3,032.38	
33 42 11 00-1447 EA Fabricate 126" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 23' Of Appropriate Pipe).....	3,201.08	
33 42 11 00-1448 EA Fabricate 132" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 24' Of Appropriate Pipe).....	3,379.16	
33 42 11 00-1449 EA Fabricate 138" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 24' Of Appropriate Pipe).....	3,567.12	

**33 42 11 00-1450**

**Fabricate Skew Or Bevel Ends, Corrugated Steel Pipe Fitting** (33 42 11 00-1393)

Note: Applied to pipe tasks.

33 42 11 00-1451 EA Fabricate 6" Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	42.34	
33 42 11 00-1452 EA Fabricate 8" Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	53.26	
33 42 11 00-1453 EA Fabricate 10" Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	66.99	
33 42 11 00-1454 EA Fabricate 12" Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	82.03	
33 42 11 00-1455 EA Fabricate 15" (Or 17" x 13" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	103.81	
33 42 11 00-1456 EA Fabricate 18" (Or 21" x 15" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	127.11	
33 42 11 00-1457 EA Fabricate 21" (Or 24" x 18" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	148.89	

**33 Utilities****33 40 Stormwater Utilities****33 42 Stormwater Conveyance**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

33 42 11 00-1458	EA	Fabricate 24" (Or 28" x 20" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting .....	172.98	
33 42 11 00-1459	EA	Fabricate 30" (Or 35" x 24" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting .....	212.46	
33 42 11 00-1460	EA	Fabricate 36" (Or 42" x 29" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting .....	253.32	
33 42 11 00-1461	EA	Fabricate 42" (Or 49" x 33" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting .....	302.26	
33 42 11 00-1462	EA	Fabricate 48" (Or 57" x 38" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting .....	371.81	
33 42 11 00-1463	EA	Fabricate 54" (Or 64" x 43" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting .....	420.84	
33 42 11 00-1464	EA	Fabricate 60" (Or 71" x 47" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting .....	473.94	
33 42 11 00-1465	EA	Fabricate 66" (Or 77" x 52" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting .....	574.74	
33 42 11 00-1466	EA	Fabricate 72" (Or 83" x 57" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting .....	637.37	
33 42 11 00-1467	EA	Fabricate 78" (Or 87" x 63" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting .....	777.65	
33 42 11 00-1468	EA	Fabricate 84" (Or 95" x 67" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting .....	847.14	
33 42 11 00-1469	EA	Fabricate 90" (Or 103" x 71" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	920.71	
33 42 11 00-1470	EA	Fabricate 96" (Or 112" x 75" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	992.83	
33 42 11 00-1471	EA	Fabricate 102" (Or 117" x 79" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	1,066.38	
33 42 11 00-1472	EA	Fabricate 108" (Or 128" x 83" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	1,141.27	
33 42 11 00-1473	EA	Fabricate 114" (Or 137" x 87" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	1,214.85	
33 42 11 00-1474	EA	Fabricate 120" (Or 142" x 91" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	1,288.38	
33 42 11 00-1475	EA	Fabricate 126" Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	1,366.35	
33 42 11 00-1476	EA	Fabricate 132" Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	1,449.04	
33 42 11 00-1477	EA	Fabricate 138" Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	1,536.74	

**33 42 11 00-1478 Coupling Bands, Corrugated Metal Pipe Fitting (33 42 11 00-1393)**

33 42 11 00-1479	EA	6" Coupling Band, Corrugated Metal Pipe Fitting.....	13.32	
		<i>For Bituminous Coated, Add</i>	3.86	
33 42 11 00-1480	EA	8" Coupling Band, Corrugated Metal Pipe Fitting.....	17.68	
		<i>For Bituminous Coated, Add</i>	5.13	
33 42 11 00-1481	EA	10" Coupling Band, Corrugated Metal Pipe Fitting.....	22.28	
		<i>For Bituminous Coated, Add</i>	6.46	
33 42 11 00-1482	EA	12" Coupling Band, Corrugated Metal Pipe Fitting.....	36.98	
		<i>For Bituminous Coated, Add</i>	10.72	
33 42 11 00-1483	EA	15" Coupling Band, Corrugated Metal Pipe Fitting.....	46.62	
		<i>For Bituminous Coated, Add</i>	13.52	
33 42 11 00-1484	EA	18" Coupling Band, Corrugated Metal Pipe Fitting.....	68.40	
		<i>For Bituminous Coated, Add</i>	19.84	
33 42 11 00-1485	EA	21" Coupling Band, Corrugated Metal Pipe Fitting.....	81.19	
		<i>For Bituminous Coated, Add</i>	23.55	
33 42 11 00-1486	EA	24" Coupling Band, Corrugated Metal Pipe Fitting.....	92.06	
		<i>For Bituminous Coated, Add</i>	26.70	
33 42 11 00-1487	EA	30" Coupling Band, Corrugated Metal Pipe Fitting.....	159.31	
		<i>For Bituminous Coated, Add</i>	46.20	
33 42 11 00-1488	EA	36" Coupling Band, Corrugated Metal Pipe Fitting.....	254.89	
		<i>For Bituminous Coated, Add</i>	61.17	
33 42 11 00-1489	EA	42" Coupling Band, Corrugated Metal Pipe Fitting.....	299.49	
		<i>For Bituminous Coated, Add</i>	71.88	
33 42 11 00-1490	EA	48" Coupling Band, Corrugated Metal Pipe Fitting.....	335.58	
		<i>For Bituminous Coated, Add</i>	80.54	
33 42 11 00-1491	EA	54" Coupling Band, Corrugated Metal Pipe Fitting.....	475.91	
		<i>For Bituminous Coated, Add</i>	114.22	
33 42 11 00-1492	EA	60" Coupling Band, Corrugated Metal Pipe Fitting.....	680.70	
		<i>For Bituminous Coated, Add</i>	122.53	
33 42 11 00-1493	EA	66" Coupling Band, Corrugated Metal Pipe Fitting.....	836.57	
		<i>For Bituminous Coated, Add</i>	150.58	
33 42 11 00-1494	EA	72" Coupling Band, Corrugated Metal Pipe Fitting.....	1,074.62	
		<i>For Bituminous Coated, Add</i>	150.45	
33 42 11 00-1495	EA	78" Coupling Band, Corrugated Metal Pipe Fitting.....	1,149.37	
		<i>For Bituminous Coated, Add</i>	160.91	
33 42 11 00-1496	EA	84" Coupling Band, Corrugated Metal Pipe Fitting.....	1,224.55	
		<i>For Bituminous Coated, Add</i>	171.44	
33 42 11 00-1497	EA	90" Coupling Band, Corrugated Metal Pipe Fitting.....	1,299.35	
		<i>For Bituminous Coated, Add</i>	181.91	
33 42 11 00-1498	EA	96" Coupling Band, Corrugated Metal Pipe Fitting.....	1,374.33	
		<i>For Bituminous Coated, Add</i>	192.41	
33 42 11 00-1499	EA	102" Coupling Band, Corrugated Metal Pipe Fitting.....	1,449.51	
		<i>For Bituminous Coated, Add</i>	202.93	
33 42 11 00-1500	EA	108" Coupling Band, Corrugated Metal Pipe Fitting.....	1,524.34	
		<i>For Bituminous Coated, Add</i>	213.41	
33 42 11 00-1501	EA	114" Coupling Band, Corrugated Metal Pipe Fitting.....	1,805.42	
		<i>For Bituminous Coated, Add</i>	216.65	
33 42 11 00-1502	EA	120" Coupling Band, Corrugated Metal Pipe Fitting.....	1,673.90	
		<i>For Bituminous Coated, Add</i>	200.87	
33 42 11 00-1503	EA	126" Coupling Band, Corrugated Metal Pipe Fitting.....	1,748.50	
		<i>For Bituminous Coated, Add</i>	209.82	
33 42 11 00-1504	EA	132" Coupling Band, Corrugated Metal Pipe Fitting.....	1,823.64	
		<i>For Bituminous Coated, Add</i>	218.84	
33 42 11 00-1505	EA	138" Coupling Band, Corrugated Metal Pipe Fitting.....	1,898.86	
		<i>For Bituminous Coated, Add</i>	227.86	

**33 42 13 Stormwater Culverts (33 42)****33 42 13 13 Precast Concrete Stormwater Culverts (33 42 13)**





	<b>Utilities</b>	<b>33</b>	
	Stormwater Utilities	33 40	CS
	Stormwater Conveyance	33 42	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 42 13 13-0001	<b>Precast Reinforced Concrete Box Culvert</b> <small>(33 42 13 13)</small>		
	<small>Note: The quantity required shall be the entire length of the culvert including the length of the cut-off sections. Includes delivery, handling, hoisting into place, alignment, bracing, permanent connections, grouting of joints and caulking of joints. Excludes crane, excavation and backfill. Minimum length 6'-0". See CSI section 01 22 23 00-0830 for crane lifting equipment.</small>		
33 42 13 13-0002	LF 3' x 3' Precast Reinforced Concrete Box Culvert .....	401.22	50.89
	<i>For Each LF Of Cut-Off Section, Add</i>	16.05	
33 42 13 13-0003	LF 4' x 2' Precast Reinforced Concrete Box Culvert .....	452.15	50.89
	<i>For Each LF Of Cut-Off Section, Add</i>	18.09	
33 42 13 13-0004	LF 4' x 3' Precast Reinforced Concrete Box Culvert .....	534.41	50.89
	<i>For Each LF Of Cut-Off Section, Add</i>	21.38	
33 42 13 13-0005	LF 5' x 3' Precast Reinforced Concrete Box Culvert .....	641.57	63.62
	<i>For Each LF Of Cut-Off Section, Add</i>	25.66	
33 42 13 13-0006	LF 5' x 4' Precast Reinforced Concrete Box Culvert .....	657.24	63.62
	<i>For Each LF Of Cut-Off Section, Add</i>	26.29	
33 42 13 13-0007	LF 5' x 5' Precast Reinforced Concrete Box Culvert .....	665.08	63.62
	<i>For Each LF Of Cut-Off Section, Add</i>	26.60	
33 42 13 13-0008	LF 6' x 3' Precast Reinforced Concrete Box Culvert .....	685.72	66.16
	<i>For Each LF Of Cut-Off Section, Add</i>	27.43	
33 42 13 13-0009	LF 6' x 4' Precast Reinforced Concrete Box Culvert .....	689.64	66.16
	<i>For Each LF Of Cut-Off Section, Add</i>	27.59	
33 42 13 13-0010	LF 6' x 6' Precast Reinforced Concrete Box Culvert .....	760.16	66.16
	<i>For Each LF Of Cut-Off Section, Add</i>	30.41	
33 42 13 13-0011	LF 7' x 4' Precast Reinforced Concrete Box Culvert .....	780.08	76.33
	<i>For Each LF Of Cut-Off Section, Add</i>	31.20	
33 42 13 13-0012	LF 7' x 6' Precast Reinforced Concrete Box Culvert .....	833.85	103.82
	<i>For Each LF Of Cut-Off Section, Add</i>	33.35	
33 42 13 13-0013	LF 8' x 2' Precast Reinforced Concrete Box Culvert .....	764.08	66.16
	<i>For Each LF Of Cut-Off Section, Add</i>	30.56	
33 42 13 13-0014	LF 8' x 3' Precast Reinforced Concrete Box Culvert .....	784.00	76.33
	<i>For Each LF Of Cut-Off Section, Add</i>	31.36	
33 42 13 13-0015	LF 8' x 4' Precast Reinforced Concrete Box Culvert .....	795.75	76.33
	<i>For Each LF Of Cut-Off Section, Add</i>	31.83	
33 42 13 13-0016	LF 8' x 5' Precast Reinforced Concrete Box Culvert .....	959.92	101.79
	<i>For Each LF Of Cut-Off Section, Add</i>	38.40	
33 42 13 13-0017	LF 8' x 6' Precast Reinforced Concrete Box Culvert .....	963.05	101.79
	<i>For Each LF Of Cut-Off Section, Add</i>	38.52	
33 42 13 13-0018	LF 8' x 8' Precast Reinforced Concrete Box Culvert .....	1,065.35	127.23
	<i>For Each LF Of Cut-Off Section, Add</i>	42.61	
33 42 13 13-0019	LF 9' x 4' Precast Reinforced Concrete Box Culvert .....	1,060.99	101.79
	<i>For Each LF Of Cut-Off Section, Add</i>	42.44	
33 42 13 13-0020	LF 9' x 6' Precast Reinforced Concrete Box Culvert .....	1,122.54	127.23
	<i>For Each LF Of Cut-Off Section, Add</i>	44.90	
33 42 13 13-0021	LF 10' x 3' Precast Reinforced Concrete Box Culvert .....	1,126.46	127.23
	<i>For Each LF Of Cut-Off Section, Add</i>	45.06	
33 42 13 13-0022	LF 10' x 4' Precast Reinforced Concrete Box Culvert .....	1,369.34	127.23
	<i>For Each LF Of Cut-Off Section, Add</i>	54.77	
33 42 13 13-0023	LF 10' x 5' Precast Reinforced Concrete Box Culvert .....	1,434.80	152.68
	<i>For Each LF Of Cut-Off Section, Add</i>	57.39	
33 42 13 13-0024	LF 10' x 6' Precast Reinforced Concrete Box Culvert .....	1,450.46	152.68
	<i>For Each LF Of Cut-Off Section, Add</i>	58.02	
33 42 13 13-0025	LF 10' x 7' Precast Reinforced Concrete Box Culvert .....	1,454.38	152.68
	<i>For Each LF Of Cut-Off Section, Add</i>	58.18	
33 42 13 13-0026	LF 10' x 8' Precast Reinforced Concrete Box Culvert .....	1,459.87	152.68
	<i>For Each LF Of Cut-Off Section, Add</i>	58.39	
33 42 13 13-0027	LF 12' x 3' Precast Reinforced Concrete Box Culvert .....	1,515.93	178.12
	<i>For Each LF Of Cut-Off Section, Add</i>	60.64	
33 42 13 13-0028	LF 12' x 4' Precast Reinforced Concrete Box Culvert .....	1,515.93	178.12
	<i>For Each LF Of Cut-Off Section, Add</i>	60.64	
33 42 13 13-0029	LF 12' x 6' Precast Reinforced Concrete Box Culvert .....	1,515.93	178.12
	<i>For Each LF Of Cut-Off Section, Add</i>	60.64	
33 42 13 13-0030	LF 12' x 8' Precast Reinforced Concrete Box Culvert .....	1,515.93	178.12
	<i>For Each LF Of Cut-Off Section, Add</i>	60.64	
33 42 13 13-0031	LF 16' x 10' Precast Reinforced Concrete Box Culvert .....	2,208.17	203.56
	<i>For Each LF Of Cut-Off Section, Add</i>	88.33	
33 42 13 13-0032	LF 24' x 10' Precast Reinforced Concrete Box Culvert .....	3,070.03	203.56
	<i>For Each LF Of Cut-Off Section, Add</i>	122.80	

33 42 13 13-0033	<b>Precast Reinforced Concrete Box Culvert For Roadways</b> <small>(33 42 13 13)</small>		
	<small>Note: AASHTO HL-93 Rated. The quantity required shall be the entire length of the culvert including the length of the cut-off sections. Includes delivery, handling, hoisting into place, alignment, bracing, permanent connections, grouting of joints and caulking of joints. Excludes crane, excavation and backfill. Minimum length 6'-0". See CSI section 01 22 23 00-0830 for crane lifting equipment.</small>		
33 42 13 13-0034	LF 3' x 3' Precast Reinforced Concrete Box Culvert For Roadways .....	1,000.99	50.89
	<i>For Each LF Of Cut-Off Section, Add</i>	40.04	
33 42 13 13-0035	LF 4' x 2' Precast Reinforced Concrete Box Culvert For Roadways .....	1,076.24	50.89
	<i>For Each LF Of Cut-Off Section, Add</i>	43.05	
33 42 13 13-0036	LF 4' x 3' Precast Reinforced Concrete Box Culvert For Roadways .....	1,209.43	50.89
	<i>For Each LF Of Cut-Off Section, Add</i>	48.38	
33 42 13 13-0037	LF 5' x 3' Precast Reinforced Concrete Box Culvert For Roadways .....	1,367.47	63.62
	<i>For Each LF Of Cut-Off Section, Add</i>	54.70	
33 42 13 13-0038	LF 5' x 4' Precast Reinforced Concrete Box Culvert For Roadways .....	1,500.66	63.62
	<i>For Each LF Of Cut-Off Section, Add</i>	60.03	

**33 Utilities****33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 13 13-0039 LF 5' x 5' Precast Reinforced Concrete Box Culvert For Roadways ..... <i>For Each LF Of Cut-Off Section, Add</i>	1,633.85 65.35	63.62
33 42 13 13-0040 LF 6' x 3' Precast Reinforced Concrete Box Culvert For Roadways ..... <i>For Each LF Of Cut-Off Section, Add</i>	1,505.64 60.23	66.16
33 42 13 13-0041 LF 6' x 4' Precast Reinforced Concrete Box Culvert For Roadways ..... <i>For Each LF Of Cut-Off Section, Add</i>	1,638.83 65.55	66.16
33 42 13 13-0042 LF 6' x 6' Precast Reinforced Concrete Box Culvert For Roadways ..... <i>For Each LF Of Cut-Off Section, Add</i>	1,905.20 76.21	66.16
33 42 13 13-0043 LF 7' x 4' Precast Reinforced Concrete Box Culvert For Roadways ..... <i>For Each LF Of Cut-Off Section, Add</i>	1,791.94 71.68	76.33
33 42 13 13-0044 LF 7' x 6' Precast Reinforced Concrete Box Culvert For Roadways ..... <i>For Each LF Of Cut-Off Section, Add</i>	2,112.05 84.48	103.82
33 42 13 13-0045 LF 8' x 2' Precast Reinforced Concrete Box Culvert For Roadways ..... <i>For Each LF Of Cut-Off Section, Add</i>	1,638.83 65.55	66.16
33 42 13 13-0046 LF 8' x 3' Precast Reinforced Concrete Box Culvert For Roadways ..... <i>For Each LF Of Cut-Off Section, Add</i>	1,791.94 71.68	76.33
33 42 13 13-0047 LF 8' x 4' Precast Reinforced Concrete Box Culvert For Roadways ..... <i>For Each LF Of Cut-Off Section, Add</i>	1,925.12 77.00	76.33
33 42 13 13-0048 LF 8' x 5' Precast Reinforced Concrete Box Culvert For Roadways ..... <i>For Each LF Of Cut-Off Section, Add</i>	2,108.06 84.32	101.79
33 42 13 13-0049 LF 8' x 6' Precast Reinforced Concrete Box Culvert For Roadways ..... <i>For Each LF Of Cut-Off Section, Add</i>	2,241.25 89.65	101.79
33 42 13 13-0050 LF 8' x 8' Precast Reinforced Concrete Box Culvert For Roadways ..... <i>For Each LF Of Cut-Off Section, Add</i>	2,557.42 102.30	127.23
33 42 13 13-0051 LF 9' x 4' Precast Reinforced Concrete Box Culvert For Roadways ..... <i>For Each LF Of Cut-Off Section, Add</i>	2,263.04 90.52	101.79
33 42 13 13-0052 LF 9' x 6' Precast Reinforced Concrete Box Culvert For Roadways ..... <i>For Each LF Of Cut-Off Section, Add</i>	2,597.50 103.90	127.23
33 42 13 13-0053 LF 10' x 3' Precast Reinforced Concrete Box Culvert For Roadways ..... <i>For Each LF Of Cut-Off Section, Add</i>	2,568.52 102.74	127.23
33 42 13 13-0054 LF 10' x 4' Precast Reinforced Concrete Box Culvert For Roadways ..... <i>For Each LF Of Cut-Off Section, Add</i>	2,726.67 109.07	127.23
33 42 13 13-0055 LF 10' x 5' Precast Reinforced Concrete Box Culvert For Roadways ..... <i>For Each LF Of Cut-Off Section, Add</i>	2,934.59 117.38	152.68
33 42 13 13-0056 LF 10' x 6' Precast Reinforced Concrete Box Culvert For Roadways ..... <i>For Each LF Of Cut-Off Section, Add</i>	3,092.74 123.71	152.68
33 42 13 13-0057 LF 10' x 7' Precast Reinforced Concrete Box Culvert For Roadways ..... <i>For Each LF Of Cut-Off Section, Add</i>	3,250.92 130.04	152.68
33 42 13 13-0058 LF 10' x 8' Precast Reinforced Concrete Box Culvert For Roadways ..... <i>For Each LF Of Cut-Off Section, Add</i>	3,409.07 136.36	152.68
33 42 13 13-0059 LF 12' x 3' Precast Reinforced Concrete Box Culvert For Roadways ..... <i>For Each LF Of Cut-Off Section, Add</i>	3,405.04 136.20	178.12
33 42 13 13-0060 LF 12' x 4' Precast Reinforced Concrete Box Culvert For Roadways ..... <i>For Each LF Of Cut-Off Section, Add</i>	3,584.80 143.39	178.12
33 42 13 13-0061 LF 12' x 6' Precast Reinforced Concrete Box Culvert For Roadways ..... <i>For Each LF Of Cut-Off Section, Add</i>	3,944.40 157.78	178.12
33 42 13 13-0062 LF 12' x 8' Precast Reinforced Concrete Box Culvert For Roadways ..... <i>For Each LF Of Cut-Off Section, Add</i>	4,303.99 172.16	178.12
33 42 13 13-0063 LF 16' x 10' Precast Reinforced Concrete Box Culvert For Roadways ..... <i>For Each LF Of Cut-Off Section, Add</i>	5,152.87 206.11	203.56
33 42 13 13-0064 LF 24' x 10' Precast Reinforced Concrete Box Culvert For Roadways ..... <i>For Each LF Of Cut-Off Section, Add</i>	6,511.31 260.45	203.56
<b>33 42 23 Headwalls and Endwalls for Stormwater Piping (33 42)</b>		
<b>33 42 23 00-0001 Headwalls (33 42 23)</b> Note: Excludes excavation and backfill. Select pipe with closest opening area for square or round culverts.		
<b>33 42 23 00-0002 Cast In Place Concrete Headwalls (33 42 23 00-0001)</b> Note: Includes concrete, forms, rebar (where required), finish and curing.		
<b>33 42 23 00-0003 Skewed Wingwall, Cast In Place Concrete Headwall (33 42 23 00-0002)</b> Note: Sized by pipe diameter.		
33 42 23 00-0004 EA 12" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall .....	1,576.99	654.62
33 42 23 00-0005 EA 15" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall .....	1,982.37	698.27
33 42 23 00-0006 EA 18" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall .....	2,598.41	914.63
33 42 23 00-0007 EA 24" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall .....	4,095.61	1,309.25
33 42 23 00-0008 EA 30" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall .....	5,707.64	1,745.67
33 42 23 00-0009 EA 36" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall .....	6,760.99	2,300.98
33 42 23 00-0010 EA 42" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall .....	9,234.36	3,173.91
33 42 23 00-0011 EA 48" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall .....	10,986.08	3,740.67
33 42 23 00-0012 EA 54" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall .....	13,205.65	4,553.95
33 42 23 00-0013 EA 60" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall .....	15,820.44	5,512.62
<b>33 42 23 00-0014 Precast Concrete Headwalls (33 42 23 00-0001)</b>		
33 42 23 00-0015 EA 12" Pipe, Precast Concrete Headwall .....	934.48	169.78
33 42 23 00-0016 EA 15" Pipe, Precast Concrete Headwall .....	962.79	179.21
33 42 23 00-0017 EA 18" Pipe, Precast Concrete Headwall .....	1,058.08	203.74
33 42 23 00-0018 EA 24" Pipe, Precast Concrete Headwall .....	1,171.49	216.94
33 42 23 00-0019 EA 30" Pipe, Precast Concrete Headwall .....	1,597.78	254.67
33 42 23 00-0020 EA 36" Pipe, Precast Concrete Headwall .....	1,788.38	264.10
33 42 23 00-0021 EA 42" Pipe, Precast Concrete Headwall .....	2,375.87	314.10



	<b>Utilities</b>	<b>33</b>	
	<b>Stormwater Utilities</b>	<b>33 40</b>	<b>CS</b>
	<b>Stormwater Conveyance</b>	<b>33 42</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 23 00-0022 EA 48" Pipe, Precast Concrete Headwall .....	2,629.50	346.06
33 42 23 00-0023 EA 54" Pipe, Precast Concrete Headwall .....	2,907.11	366.42
33 42 23 00-0024 EA 60" Pipe, Precast Concrete Headwall .....	3,308.28	366.42
33 42 23 00-0025 EA 72" Pipe, Precast Concrete Headwall .....	4,029.17	458.03
33 42 23 00-0026 EA 84" Pipe, Precast Concrete Headwall .....	5,758.76	549.64
<b>33 42 23 00-0027 Precast Concrete Wingwalls (33 42 23 00-0001)</b>		
33 42 23 00-0028 EA 18" ID Pipe (26" Hole) Precast Concrete Wingwall.....	5,756.79	1,813.79
Note: 12" Thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.		
33 42 23 00-0029 EA 24" ID Pipe (32" Hole) Precast Concrete Wingwall.....	6,062.14	2,015.32
Note: 12" Thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.		
33 42 23 00-0030 EA 30" ID Pipe (42" Hole) Precast Concrete Wingwall.....	6,571.06	2,351.21
Note: 12" Thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.		
33 42 23 00-0031 EA 33" ID Pipe (46" Hole) Precast Concrete Wingwall.....	7,079.98	2,687.09
Note: 12" thick wall and base. Wingwalls are configured at zero degrees only off centerline of pipe.		
33 42 23 00-0032 EA 36" ID Pipe (50" Hole) Precast Concrete Wingwall.....	7,079.98	2,687.09
Note: 12" Thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.		
33 42 23 00-0033 EA 44" ID Pipe (56" Hole) Precast Concrete Wingwall.....	7,283.54	2,821.45
Note: 12" Thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.		
33 42 23 00-0034 EA 48" ID Pipe (62" Hole) Precast Concrete Wingwall.....	13,340.01	2,888.63
Note: 12" thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.		
33 42 23 00-0035 EA 52" ID Pipe (66" Hole) Precast Concrete Wingwall.....	13,645.36	3,090.16
Note: 12" thick wall and base. Wingwalls are configured at zero degrees only off centerline of pipe.		
<b>33 42 23 00-0036 Precast Concrete Transverse Drainage Interceptor (33 42 23 00-0001)</b>		
33 42 23 00-0037 EA 34" x 48" x 28" Precast Concrete Transverse Drainage Interceptor With Frame And Grate.....	3,700.10	712.49
<b>33 42 26 End Sections for Stormwater Piping (33 42)</b>		
<b>33 42 26 16 Corrugated Metal End Sections for Stormwater Piping (33 42 26)</b>		
<b>33 42 26 16-0001 Corrugated Metal Pipe End Sections (33 42 26 16)</b>		
<b>33 42 26 16-0002 Galvanized Corrugated Steel Pipe End Sections (33 42 26 16-0001)</b>		
<b>33 42 26 16-0003 Type 1 Galvanized Corrugated Steel Pipe End Sections (33 42 26 16-0002)</b>		
Note: Used with annular corrugations, no band required. Consists of a 12 gauge steel strap with a 6" bolt and nut.		
33 42 26 16-0004 EA 12" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe End Section .....	267.02	66.02
33 42 26 16-0005 EA 15" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe End Section .....	310.29	70.74
33 42 26 16-0006 EA 18" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe End Section .....	362.74	75.45
33 42 26 16-0007 EA 21" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe End Section .....	439.90	82.53
33 42 26 16-0008 EA 24" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe End Section .....	487.42	89.61
<b>33 42 26 16-0009 Type 2 Galvanized Corrugated Steel Pipe End Sections (33 42 26 16-0002)</b>		
Note: Partial circumferential rod with two hinge type lugs used with annular corrugations. No band required.		
33 42 26 16-0010 EA 30" 14 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section .....	788.83	101.40
33 42 26 16-0011 EA 36" 14 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section .....	1,027.81	122.14
33 42 26 16-0012 EA 42" 12 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section .....	1,579.37	142.50
33 42 26 16-0013 EA 48" 12 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section .....	1,929.83	162.85
33 42 26 16-0014 EA 54" 12 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section .....	2,298.53	203.56
33 42 26 16-0015 EA 60" 10 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section .....	2,684.04	244.29
<b>33 42 26 16-0016 Type 3 Or 5 Galvanized Corrugated Steel Pipe End Sections (33 42 26 16-0002)</b>		
Note: Stubbed with 1' of pipe (excluded in price). Used with all pipe having annular end corrugations.		
33 42 26 16-0017 EA 12" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	279.08	66.02
33 42 26 16-0018 EA 15" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	322.69	70.74
33 42 26 16-0019 EA 18" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	381.80	75.45
33 42 26 16-0020 EA 21" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	462.79	82.53
33 42 26 16-0021 EA 24" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	513.38	89.61
33 42 26 16-0022 EA 30" 14 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	868.52	101.40
33 42 26 16-0023 EA 36" 14 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	1,126.32	122.14
33 42 26 16-0024 EA 42" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	1,795.45	142.50
33 42 26 16-0025 EA 48" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	2,208.68	162.85
33 42 26 16-0026 EA 54" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	2,580.53	203.56
33 42 26 16-0027 EA 60" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	3,577.18	244.29
33 42 26 16-0028 EA 66" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	4,056.84	366.42
33 42 26 16-0029 EA 72" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	4,745.36	488.56
33 42 26 16-0030 EA 78" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	5,169.24	524.18
33 42 26 16-0031 EA 84" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	5,603.43	559.82
<b>33 42 26 16-0032 Toe Plate Extensions For Galvanized Corrugated Steel Pipe End Section (33 42 26 16-0002)</b>		
33 42 26 16-0033 EA Toe Plate Extension For 12" Diameter Galvanized Corrugated Steel Pipe End Section .....	34.87	
33 42 26 16-0034 EA Toe Plate Extension For 15" Diameter Galvanized Corrugated Steel Pipe End Section .....	38.92	
33 42 26 16-0035 EA Toe Plate Extension For 18" Diameter Galvanized Corrugated Steel Pipe End Section .....	43.88	
33 42 26 16-0036 EA Toe Plate Extension For 21" Diameter Galvanized Corrugated Steel Pipe End Section .....	47.72	
33 42 26 16-0037 EA Toe Plate Extension For 24" Diameter Galvanized Corrugated Steel Pipe End Section .....	53.43	



MINOR  
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TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

33 42 26 16-0038	EA	Toe Plate Extension For 30" Diameter Galvanized Corrugated Steel Pipe End Section .....	93.62	
33 42 26 16-0039	EA	Toe Plate Extension For 36" Diameter Galvanized Corrugated Steel Pipe End Section .....	100.74	
33 42 26 16-0040	EA	Toe Plate Extension For 42" Diameter Galvanized Corrugated Steel Pipe End Section .....	138.28	
33 42 26 16-0041	EA	Toe Plate Extension For 48" Diameter Galvanized Corrugated Steel Pipe End Section .....	147.95	
33 42 26 16-0042	EA	Toe Plate Extension For 54" Diameter Galvanized Corrugated Steel Pipe End Section .....	180.76	
33 42 26 16-0043	EA	Toe Plate Extension For 60" Diameter Galvanized Corrugated Steel Pipe End Section .....	185.09	
33 42 26 16-0044	EA	Toe Plate Extension For 66" Diameter Galvanized Corrugated Steel Pipe End Section .....	197.38	
33 42 26 16-0045	EA	Toe Plate Extension For 72" Diameter Galvanized Corrugated Steel Pipe End Section .....	223.94	
33 42 26 16-0046	EA	Toe Plate Extension For 78" Diameter Galvanized Corrugated Steel Pipe End Section .....	250.52	
33 42 26 16-0047	EA	84" Diameter Galvanized Corrugated Steel Pipe End Section Toe Plate Extension .....	256.54	

**33 42 26 16-0048 Galvanized Corrugated Steel Pipe-Arch End Sections** (33 42 26 16-0001)

**33 42 26 16-0049 Type 1 Galvanized Corrugated Steel Pipe-Arch End Sections** (33 42 26 16-0048)

Note: Used with annular corrugations, no band required. Consists of a 12 gauge steel strap with a 6" bolt and nut.

33 42 26 16-0050	EA	17" x 13" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe-Arch End Section .....	310.29	70.74
33 42 26 16-0051	EA	21" x 15" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe-Arch End Section .....	362.74	75.45
33 42 26 16-0052	EA	24" x 18" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe-Arch End Section .....	439.90	82.53
33 42 26 16-0053	EA	28" x 20" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe-Arch End Section .....	487.42	89.61

**33 42 26 16-0054 Type 2 Galvanized Corrugated Steel Pipe-Arch End Sections** (33 42 26 16-0048)

Note: Partial circumferential rod with two hinge type lugs used with annular corrugations. No band required.

33 42 26 16-0055	EA	17" x 13" 16 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section .....	299.87	70.74
33 42 26 16-0056	EA	21" x 15" 16 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section .....	343.49	75.45
33 42 26 16-0057	EA	24" x 18" 16 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section .....	384.78	82.53
33 42 26 16-0058	EA	28" x 20" 16 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section .....	434.79	89.61
33 42 26 16-0059	EA	35" x 24" 14 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section .....	638.78	101.40
33 42 26 16-0060	EA	42" x 29" 14 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section .....	937.20	122.14
33 42 26 16-0061	EA	49" x 33" 12 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section .....	1,460.75	142.50
33 42 26 16-0062	EA	57" x 38" 12 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section .....	1,850.78	162.85

**33 42 26 16-0063 Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Sections** (33 42 26 16-0048)

Note: Stubbed with 1' of pipe (excluded in price). Used with all pipe having annular end corrugations.

33 42 26 16-0064	EA	17" x 13" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section .....	305.16	70.74
33 42 26 16-0065	EA	21" x 15" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section .....	354.97	75.45
33 42 26 16-0066	EA	24" x 18" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section .....	402.73	82.53
33 42 26 16-0067	EA	28" x 20" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section .....	456.07	89.61
33 42 26 16-0068	EA	35" x 24" 14 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section .....	674.95	101.40
33 42 26 16-0069	EA	42" x 29" 14 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section .....	986.54	122.14
33 42 26 16-0070	EA	49" x 33" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section .....	1,539.68	142.50
33 42 26 16-0071	EA	57" x 38" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section .....	1,941.62	162.85
33 42 26 16-0072	EA	64" x 43" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section .....	2,335.85	203.56
33 42 26 16-0073	EA	71" x 47" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section .....	3,071.56	244.29
33 42 26 16-0074	EA	77" x 52" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section .....	4,286.04	366.42
33 42 26 16-0075	EA	83" x 57" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section .....	4,742.30	488.56

**33 42 26 16-0076 Toe Plate Extensions For Galvanized Corrugated Steel Pipe-Arch End Section** (33 42 26 16-0048)

33 42 26 16-0077	EA	Toe Plate Extension For 17" x 13" Galvanized Corrugated Steel Pipe-Arch End Section .....	38.92	
33 42 26 16-0078	EA	Toe Plate Extension For 21" x 15" Galvanized Corrugated Steel Pipe-Arch End Section .....	43.88	
33 42 26 16-0079	EA	Toe Plate Extension For 24" x 18" Galvanized Corrugated Steel Pipe-Arch End Section .....	47.72	
33 42 26 16-0080	EA	Toe Plate Extension For 28" x 20" Galvanized Corrugated Steel Pipe-Arch End Section .....	53.43	
33 42 26 16-0081	EA	Toe Plate Extension For 35" x 24" Galvanized Corrugated Steel Pipe-Arch End Section .....	93.62	
33 42 26 16-0082	EA	Toe Plate Extension For 42" x 29" Galvanized Corrugated Steel Pipe-Arch End Section .....	100.74	
33 42 26 16-0083	EA	Toe Plate Extension For 49" x 33" Galvanized Corrugated Steel Pipe-Arch End Section .....	138.28	
33 42 26 16-0084	EA	Toe Plate Extension For 57" x 38" Galvanized Corrugated Steel Pipe-Arch End Section .....	153.93	
33 42 26 16-0085	EA	Toe Plate Extension For 64" x 43" Galvanized Corrugated Steel Pipe-Arch End Section .....	180.76	
33 42 26 16-0086	EA	Toe Plate Extension For 71" x 47" Galvanized Corrugated Steel Pipe-Arch End Section .....	187.46	
33 42 26 16-0087	EA	Toe Plate Extension For 77" x 52" Galvanized Corrugated Steel Pipe-Arch End Section .....	216.75	
33 42 26 16-0088	EA	Toe Plate Extension For 83" x 57" Galvanized Corrugated Steel Pipe-Arch End Section .....	245.26	

**33 42 26 16-0089 Corrugated Aluminum Pipe End Sections** (33 42 26 16-0001)

**33 42 26 16-0090 Corrugated Aluminum Pipe End Sections** (33 42 26 16-0089)

33 42 26 16-0091	EA	12" Diameter 16 Gauge, Corrugated Aluminum Pipe End Section .....	407.17	66.02
33 42 26 16-0092	EA	15" Diameter 16 Gauge, Corrugated Aluminum Pipe End Section .....	469.86	70.74
33 42 26 16-0093	EA	18" Diameter 16 Gauge, Corrugated Aluminum Pipe End Section .....	558.03	75.45
33 42 26 16-0094	EA	21" Diameter 16 Gauge, Corrugated Aluminum Pipe End Section .....	693.07	82.53
33 42 26 16-0095	EA	24" Diameter 14 Gauge, Corrugated Aluminum Pipe End Section .....	907.30	89.61
33 42 26 16-0096	EA	30" Diameter 14 Gauge, Corrugated Aluminum Pipe End Section .....	1,364.40	101.40
33 42 26 16-0097	EA	36" Diameter 14 Gauge, Corrugated Aluminum Pipe End Section .....	1,860.27	122.14
33 42 26 16-0098	EA	36" Diameter 12 Gauge, Corrugated Aluminum Pipe End Section .....	2,318.80	122.14
33 42 26 16-0099	EA	42" Diameter 12 Gauge, Corrugated Aluminum Pipe End Section .....	2,958.89	142.50
33 42 26 16-0100	EA	48" Diameter 12 Gauge, Corrugated Aluminum Pipe End Section .....	4,227.40	162.85
33 42 26 16-0101	EA	54" Diameter 12 Gauge, Corrugated Aluminum Pipe End Section .....	4,680.20	203.56
33 42 26 16-0102	EA	60" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section .....	6,311.29	244.29



	<b>Utilities</b>	<b>33</b>	
	<b>Stormwater Utilities</b>	<b>33 40</b>	<b>CS</b>
	<b>Stormwater Conveyance</b>	<b>33 42</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 26 16-0103 EA 66" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section.....	7,139.21	366.42
33 42 26 16-0104 EA 72" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section.....	8,343.95	488.56
33 42 26 16-0105 EA 78" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section.....	9,114.00	524.18
33 42 26 16-0106 EA 84" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section.....	9,616.23	559.82
33 42 26 16-0107 EA 90" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section.....	13,172.05	610.70
33 42 26 16-0108 EA 96" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section.....	14,583.49	661.59
<b>33 42 26 16-0109 Toe Plate Extensions For Corrugated Aluminum Pipe End Section (33 42 26 16-0089)</b>		
33 42 26 16-0110 EA Toe Plate Extension For 12" Diameter, 16 Gauge, Corrugated Aluminum Pipe End Section.....	63.74	
33 42 26 16-0111 EA Toe Plate Extension For 15" Diameter, 16 Gauge, Corrugated Aluminum Pipe End Section.....	67.62	
33 42 26 16-0112 EA Toe Plate Extension For 18" Diameter, 16 Gauge, Corrugated Aluminum Pipe End Section.....	73.45	
33 42 26 16-0113 EA Toe Plate Extension For 21" Diameter, 16 Gauge, Corrugated Aluminum Pipe End Section.....	82.78	
33 42 26 16-0114 EA Toe Plate Extension For 24" Diameter, 14 Gauge, Corrugated Aluminum Pipe End Section.....	87.77	
33 42 26 16-0115 EA Toe Plate Extension For 30" Diameter, 14 Gauge, Corrugated Aluminum Pipe End Section.....	113.57	
33 42 26 16-0116 EA Toe Plate Extension For 36" Diameter, 14 Gauge, Corrugated Aluminum Pipe End Section.....	135.92	
33 42 26 16-0117 EA Toe Plate Extension For 36" Diameter, 12 Gauge, Corrugated Aluminum Pipe End Section.....	143.58	
33 42 26 16-0118 EA Toe Plate Extension For 42" Diameter, 12 Gauge, Corrugated Aluminum Pipe End Section.....	157.51	
33 42 26 16-0119 EA Toe Plate Extension For 48" Diameter, 12 Gauge, Corrugated Aluminum Pipe End Section.....	178.04	
33 42 26 16-0120 EA Toe Plate Extension For 54" Diameter, 12 Gauge, Corrugated Aluminum Pipe End Section.....	210.63	
33 42 26 16-0121 EA Toe Plate Extension For 60" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section.....	295.81	
33 42 26 16-0122 EA Toe Plate Extension For 66" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section.....	318.22	
33 42 26 16-0123 EA Toe Plate Extension For 72" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section.....	402.40	
33 42 26 16-0124 EA Toe Plate Extension For 78" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section.....	435.35	
33 42 26 16-0125 EA Toe Plate Extension For 84" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section.....	463.84	
33 42 26 16-0126 EA Toe Plate Extension For 90" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section.....	493.80	
33 42 26 16-0127 EA Toe Plate Extension For 96" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section.....	524.09	
<b>33 42 26 16-0128 Corrugated Aluminum Pipe-Arch End Sections (33 42 26 16-0001)</b>		
<b>33 42 26 16-0129 Corrugated Aluminum Pipe-Arch End Sections (33 42 26 16-0128)</b>		
33 42 26 16-0130 EA 17" x 13" 16 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	484.68	70.74
33 42 26 16-0131 EA 21" x 15" 16 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	594.16	75.45
33 42 26 16-0132 EA 24" x 18" 16 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	645.15	82.53
33 42 26 16-0133 EA 28" x 20" 16 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	696.10	89.61
33 42 26 16-0134 EA 35" x 24" 14 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	1,047.60	101.40
33 42 26 16-0135 EA 42" x 29" 14 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	1,881.34	122.14
33 42 26 16-0136 EA 42" x 29" 12 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	1,997.60	122.14
33 42 26 16-0137 EA 49" x 33" 12 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	2,672.15	142.50
33 42 26 16-0138 EA 57" x 38" 12 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	4,115.74	162.85
33 42 26 16-0139 EA 64" x 43" 12 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	4,710.52	203.56
33 42 26 16-0140 EA 71" x 47" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	5,695.62	244.29
33 42 26 16-0141 EA 77" x 52" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	9,545.76	366.42
33 42 26 16-0142 EA 83" x 57" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	10,008.31	488.56
33 42 26 16-0143 EA 87" x 63" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	10,898.11	524.18
33 42 26 16-0144 EA 95" x 67" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	11,373.56	559.82
33 42 26 16-0145 EA 103" x 71" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	12,397.22	610.70
33 42 26 16-0146 EA 112" x 75" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	13,131.85	661.59
<b>33 42 26 16-0147 Toe Plate Extensions For Corrugated Aluminum Pipe-Arch End Section (33 42 26 16-0129)</b>		
33 42 26 16-0148 EA Toe Plate Extension For 17" x 13", 16 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	67.62	
33 42 26 16-0149 EA Toe Plate Extension For 21" x 15", 16 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	73.45	
33 42 26 16-0150 EA Toe Plate Extension For 24" x 18", 16 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	77.42	
33 42 26 16-0151 EA Toe Plate Extension For 28" x 20", 16 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	84.82	
33 42 26 16-0152 EA Toe Plate Extension For 35" x 24", 14 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	96.73	
33 42 26 16-0153 EA Toe Plate Extension For 42" x 29", 14 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	126.24	
33 42 26 16-0154 EA Toe Plate Extension For 42" x 29", 12 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	138.45	
33 42 26 16-0155 EA Toe Plate Extension For 49" x 33", 12 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	157.51	
33 42 26 16-0156 EA Toe Plate Extension For 57" x 38", 12 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	178.04	
33 42 26 16-0157 EA Toe Plate Extension For 64" x 43", 12 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	210.63	
33 42 26 16-0158 EA Toe Plate Extension For 71" x 47", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	268.65	
33 42 26 16-0159 EA Toe Plate Extension For 77" x 52", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	340.96	
33 42 26 16-0160 EA Toe Plate Extension For 83" x 57", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	459.24	
33 42 26 16-0161 EA Toe Plate Extension For 87" x 63", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	521.87	
33 42 26 16-0162 EA Toe Plate Extension For 95" x 67", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	546.37	
33 42 26 16-0163 EA Toe Plate Extension For 103" x 71", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	566.22	
33 42 26 16-0164 EA Toe Plate Extension For 112" x 75", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	590.62	
<b>33 42 26 16-0165 Low Slope Corrugated Steel Pipe End Sections And Accessories (33 42 26 16-0001)</b>		
<b>33 42 26 16-0166 4:1 Corrugated Steel Pipe End Sections (33 42 26 16-0165)</b>		
33 42 26 16-0167 EA 15" 16 Gauge, 4:1 Corrugated Steel Pipe End Section.....	627.02	70.74
33 42 26 16-0168 EA 18" 16 Gauge, 4:1 Corrugated Steel Pipe End Section.....	809.94	75.45
33 42 26 16-0169 EA 21" 16 Gauge, 4:1 Corrugated Steel Pipe End Section.....	993.28	82.53
33 42 26 16-0170 EA 24" 16 Gauge, 4:1 Corrugated Steel Pipe End Section.....	1,189.70	89.61
33 42 26 16-0171 EA 30" 16 Gauge, 4:1 Corrugated Steel Pipe End Section.....	1,257.66	101.40
33 42 26 16-0172 EA 36" 16 Gauge, 4:1 Corrugated Steel Pipe End Section.....	1,648.52	122.14

<b>33</b>	<b>Utilities</b>
<b>33 40</b>	<b>Stormwater Utilities</b>
<b>33 42</b>	<b>Stormwater Conveyance</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 26 16-0173 EA 42" 16 Gauge, 4:1 Corrugated Steel Pipe End Section .....	2,614.87	142.50
<b>33 42 26 16-0174 3" Diameter Parallel Safety Bar For 4:1 Corrugated Steel Pipe End Sections</b> (33 42 26 16-0165) Note: Includes nut and bolt set.		
33 42 26 16-0175 EA 3" Diameter Parallel Safety Bar For 15" 4:1 Corrugated Steel Pipe End Section .....	449.28	
33 42 26 16-0176 EA 3" Diameter Parallel Safety Bar For 18" 4:1 Corrugated Steel Pipe End Section .....	906.22	
33 42 26 16-0177 EA 3" Diameter Parallel Safety Bar For 21" 4:1 Corrugated Steel Pipe End Section .....	994.50	
33 42 26 16-0178 EA 3" Diameter Parallel Safety Bar For 24" 4:1 Corrugated Steel Pipe End Section .....	1,033.61	
<b>33 42 26 16-0179 6:1 Corrugated Steel Pipe End Sections</b> (33 42 26 16-0165)		
33 42 26 16-0180 EA 15" 16 Gauge, 6:1 Corrugated Steel Pipe End Section .....	657.13	70.74
33 42 26 16-0181 EA 18" 16 Gauge, 6:1 Corrugated Steel Pipe End Section .....	864.10	75.45
33 42 26 16-0182 EA 21" 16 Gauge, 6:1 Corrugated Steel Pipe End Section .....	1,152.64	82.53
33 42 26 16-0183 EA 24" 16 Gauge, 6:1 Corrugated Steel Pipe End Section .....	1,355.34	89.61
33 42 26 16-0184 EA 30" 16 Gauge, 6:1 Corrugated Steel Pipe End Section .....	1,609.28	101.40
33 42 26 16-0185 EA 36" 16 Gauge, 6:1 Corrugated Steel Pipe End Section .....	1,958.88	122.14
33 42 26 16-0186 EA 42" 16 Gauge, 6:1 Corrugated Steel Pipe End Section .....	3,003.18	142.50
<b>33 42 26 16-0187 3" Diameter Parallel Safety Bar For 6:1 Corrugated Steel Pipe End Sections</b> (33 42 26 16-0165) Note: Includes nut and bolt set.		
33 42 26 16-0188 EA 3" Diameter Parallel Safety Bar For 15" 6:1 Corrugated Steel Pipe End Section .....	878.73	
33 42 26 16-0189 EA 3" Diameter Parallel Safety Bar For 18" 6:1 Corrugated Steel Pipe End Section .....	932.17	
33 42 26 16-0190 EA 3" Diameter Parallel Safety Bar For 21" 6:1 Corrugated Steel Pipe End Section .....	1,025.15	
33 42 26 16-0191 EA 3" Diameter Parallel Safety Bar For 24" 6:1 Corrugated Steel Pipe End Section .....	1,076.05	
<b>33 42 26 16-0192 Toe Plate Extensions For Low Slope Corrugated Steel Pipe End Section</b> (33 42 26 16-0165)		
33 42 26 16-0193 EA Toe Plate Extension For 15" Low Slope Corrugated Steel Pipe End Section .....	75.59	
33 42 26 16-0194 EA Toe Plate Extension For 18" Low Slope Corrugated Steel Pipe End Section .....	85.02	
33 42 26 16-0195 EA Toe Plate Extension For 21" Low Slope Corrugated Steel Pipe End Section .....	92.56	
33 42 26 16-0196 EA Toe Plate Extension For 24" Low Slope Corrugated Steel Pipe End Section .....	103.42	
33 42 26 16-0197 EA Toe Plate Extension For 30" Low Slope Corrugated Steel Pipe End Section .....	156.64	
33 42 26 16-0198 EA Toe Plate Extension For 36" Low Slope Corrugated Steel Pipe End Section .....	168.14	
33 42 26 16-0199 EA Toe Plate Extension For 42" Low Slope Corrugated Steel Pipe End Section .....	226.57	
<b>33 42 26 16-0200 Low Slope Corrugated Steel Pipe-Arch End Sections And Accessories</b> (33 42 26 16-0001)		
<b>33 42 26 16-0201 4:1 Corrugated Steel Pipe-Arch End Section</b> (33 42 26 16-0200)		
33 42 26 16-0202 EA 21" x 15" 16 Gauge, 4:1 Corrugated Steel Pipe-Arch End Section .....	746.52	75.45
33 42 26 16-0203 EA 24" x 18" 16 Gauge, 4:1 Corrugated Steel Pipe-Arch End Section .....	938.64	82.53
33 42 26 16-0204 EA 28" x 20" 16 Gauge, 4:1 Corrugated Steel Pipe-Arch End Section .....	1,112.33	89.61
33 42 26 16-0205 EA 35" x 24" 16 Gauge, 4:1 Corrugated Steel Pipe-Arch End Section .....	2,107.16	101.40
<b>33 42 26 16-0206 3" Diameter Parallel Safety Bar For 4:1 Corrugated Steel Pipe-Arch End Sections</b> (33 42 26 16-0200) Note: Includes nut and bolt set.		
33 42 26 16-0207 EA 3" Diameter Parallel Safety Bar For 21" x 15" 4:1 Corrugated Steel Pipe-Arch End Section .....	536.01	
33 42 26 16-0208 EA 3" Diameter Parallel Safety Bar For 24" x 18" 4:1 Corrugated Steel Pipe-Arch End Section .....	981.23	
33 42 26 16-0209 EA 3" Diameter Parallel Safety Bar For 28" x 20" 4:1 Corrugated Steel Pipe-Arch End Section .....	1,033.61	
33 42 26 16-0210 EA 3" Diameter Parallel Safety Bar For 35" x 24" 4:1 Corrugated Steel Pipe-Arch End Section .....	1,523.92	
<b>33 42 26 16-0211 Toe Plate Extensions For Low Slope Corrugated Steel Pipe-Arch End Section</b> (33 42 26 16-0200)		
33 42 26 16-0212 EA Toe Plate Extension For 21" x 15" Low Slope Corrugated Steel Pipe-Arch End Section .....	76.37	
33 42 26 16-0213 EA Toe Plate Extension For 24" x 18" Low Slope Corrugated Steel Pipe-Arch End Section .....	86.77	
33 42 26 16-0214 EA Toe Plate Extension For 28" x 20" Low Slope Corrugated Steel Pipe-Arch End Section .....	94.60	
33 42 26 16-0215 EA Toe Plate Extension For 35" x 24" Low Slope Corrugated Steel Pipe-Arch End Section .....	112.38	
<b>33 42 26 19 Corrugated High-Density Polyethylene (HDPE) End Sections for Stormwater Piping</b> (33 42 26)		
<b>33 42 26 19-0001 Corrugated High Density Polyethylene (HDPE) Pipe End Sections</b> (33 42 26 19)		
33 42 26 19-0002 EA 4" End Section, Corrugated High Density Polyethylene (HDPE) Pipe .....	62.86	18.63
33 42 26 19-0003 EA 6" End Section, Corrugated High Density Polyethylene (HDPE) Pipe .....	122.41	27.96
33 42 26 19-0004 EA 8" End Section, Corrugated High Density Polyethylene (HDPE) Pipe .....	168.58	34.94
33 42 26 19-0005 EA 10" End Section, Corrugated High Density Polyethylene (HDPE) Pipe .....	264.82	55.91
33 42 26 19-0006 EA 12" End Section, Corrugated High Density Polyethylene (HDPE) Pipe .....	317.25	62.90
33 42 26 19-0007 EA 15" End Section, Corrugated High Density Polyethylene (HDPE) Pipe .....	336.14	67.57
33 42 26 19-0008 EA 18" End Section, Corrugated High Density Polyethylene (HDPE) Pipe .....	405.14	74.56



<b>Utilities</b>	<b>33</b>	<b>CS</b>
Stormwater Utilities	33 40	
Stormwater Conveyance	33 42	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 26 19-0009 EA 24" End Section, Corrugated High Density Polyethylene (HDPE) Pipe .....	529.62	88.53
33 42 26 19-0010 EA 30" End Section, Corrugated High Density Polyethylene (HDPE) Pipe .....	1,157.22	100.18
33 42 26 19-0011 EA 36" End Section, Corrugated High Density Polyethylene (HDPE) Pipe .....	1,419.74	111.82
<b>33 42 26 23 Concrete End Sections for Stormwater Piping (33 42 26)</b>		
<b>33 42 26 23-0001 Precast Concrete End Sections (33 42 26 23)</b>		
<b>33 42 26 23-0002 Precast Concrete End Sections (33 42 26 23-0001)</b>		
33 42 26 23-0003 EA 12" Diameter Pipe, Precast Concrete End Section.....	661.62	110.64
33 42 26 23-0004 EA 15" Diameter Pipe, Precast Concrete End Section.....	888.21	136.95
33 42 26 23-0005 EA 18" Diameter Pipe, Precast Concrete End Section.....	1,099.73	173.36
33 42 26 23-0006 EA 21" Diameter Pipe, Precast Concrete End Section.....	1,261.98	207.32
33 42 26 23-0007 EA 24" Diameter Pipe, Precast Concrete End Section.....	1,341.14	239.96
33 42 26 23-0008 EA 27" Diameter Pipe, Precast Concrete End Section.....	1,692.19	303.32
33 42 26 23-0009 EA 30" Diameter Pipe, Precast Concrete End Section.....	2,098.38	455.58
33 42 26 23-0010 EA 36" Diameter Pipe, Precast Concrete End Section.....	2,591.01	574.88
33 42 26 23-0011 EA 42" Diameter Pipe, Precast Concrete End Section.....	3,135.11	721.14
33 42 26 23-0012 EA 48" Diameter Pipe, Precast Concrete End Section.....	3,436.33	813.26
33 42 26 23-0013 EA 54" Diameter Pipe, Precast Concrete End Section.....	3,748.44	910.97
33 42 26 23-0014 EA 60" Diameter Pipe, Precast Concrete End Section.....	4,068.47	1,012.75
33 42 26 23-0015 EA 66" Diameter Pipe Precast Concrete End Section.....	4,037.89	804.08
33 42 26 23-0016 EA 72" Diameter Pipe Precast Concrete End Section.....	4,624.38	1,005.08
33 42 26 23-0017 EA 78" Diameter Pipe Precast Concrete End Section.....	5,497.87	1,256.36
33 42 26 23-0018 EA 84" Diameter Pipe Precast Concrete End Section.....	6,505.33	1,507.63
<b>33 42 26 23-0019 Flared Precast Concrete End Sections (33 42 26 23-0001)</b>		
33 42 26 23-0020 EA 12" Diameter Pipe, Flared Precast Concrete End Section.....	834.11	118.58
33 42 26 23-0021 EA 15" Diameter Pipe, Flared Precast Concrete End Section.....	1,004.52	147.79
33 42 26 23-0022 EA 18" Diameter Pipe, Flared Precast Concrete End Section.....	1,219.64	187.07
33 42 26 23-0023 EA 21" Diameter Pipe, Flared Precast Concrete End Section.....	1,393.79	223.72
33 42 26 23-0024 EA 24" Diameter Pipe, Flared Precast Concrete End Section.....	1,700.54	258.94
33 42 26 23-0025 EA 27" Diameter Pipe, Flared Precast Concrete End Section.....	2,052.28	413.54
33 42 26 23-0026 EA 30" Diameter Pipe, Flared Precast Concrete End Section.....	2,137.28	569.38
33 42 26 23-0027 EA 36" Diameter Pipe, Flared Precast Concrete End Section.....	2,886.97	718.59
33 42 26 23-0028 EA 42" Diameter Pipe, Flared Precast Concrete End Section.....	3,464.90	901.60
33 42 26 23-0029 EA 48" Diameter Pipe, Flared Precast Concrete End Section.....	3,749.80	1,016.82
33 42 26 23-0030 EA 54" Diameter Pipe, Flared Precast Concrete End Section.....	4,194.22	1,138.86
33 42 26 23-0031 EA 60" Diameter Pipe, Flared Precast Concrete End Section.....	4,647.04	1,264.97
33 42 26 23-0032 EA 66" Diameter Pipe, Flared Precast Concrete End Section.....	5,419.95	1,457.44
33 42 26 23-0033 EA 72" Diameter Pipe, Flared Precast Concrete End Section.....	6,320.60	1,626.71
33 42 26 23-0034 EA 78" Diameter Pipe, Flared Precast Concrete End Section.....	7,167.11	1,829.97
33 42 26 23-0035 EA 84" Diameter Pipe, Flared Precast Concrete End Section.....	8,266.49	2,033.03
<b>33 42 31 Stormwater Area Drains and Inlets (33 42)</b>		
<b>33 42 31 00-0001 Storm Drains (33 42 31)</b>		
See CSI section 33 05 61 00-0001 for manhole structures.		
<b>33 42 31 00-0002 Catch Basins And Inlet Basins (33 42 31 00-0001)</b>		
Note: Includes base slab, opening and grout. Excludes frame, grate, excavation and backfill.		
<b>33 42 31 00-0003 Cast In Place, Grate Drop Inlet Basins (33 42 31 00-0002)</b>		
Note: Inside dimensions.		
<b>33 42 31 00-0004 3' x 3' x 4" Thick Wall, Cast In Place, Grate Drop Inlet Basins (33 42 31 00-0003)</b>		
33 42 31 00-0005 EA 2' Deep, 3' x 3' x 4" Thick Wall, Cast In Place, Grate Drop Inlet Basin .....	1,785.92	321.98
33 42 31 00-0006 EA 3' Deep, 3' x 3' x 4" Thick Wall, Cast In Place, Grate Drop Inlet Basin .....	2,136.26	377.25
33 42 31 00-0007 EA 4' Deep, 3' x 3' x 4" Thick Wall, Cast In Place, Grate Drop Inlet Basin .....	2,486.60	432.44
33 42 31 00-0008 EA 5' Deep, 3' x 3' x 4" Thick Wall, Cast In Place, Grate Drop Inlet Basin .....	2,836.94	487.72
33 42 31 00-0009 EA 6' Deep, 3' x 3' x 4" Thick Wall, Cast In Place, Grate Drop Inlet Basin .....	3,187.29	542.90
<b>33 42 31 00-0010 3'-8" x 3'-8" x 6" Thick Wall, Cast In Place, Grate Drop Inlet Basins (33 42 31 00-0003)</b>		
33 42 31 00-0011 EA 2' Deep, 3'-8" x 3'-8" x 6" Thick Wall, Cast In Place, Grate Drop Inlet Basin .....	2,332.38	320.04
33 42 31 00-0012 EA 3' Deep, 3'-8" x 3'-8" x 6" Thick Wall, Cast In Place, Grate Drop Inlet Basin .....	2,877.50	426.72
33 42 31 00-0013 EA 4' Deep, 3'-8" x 3'-8" x 6" Thick Wall, Cast In Place, Grate Drop Inlet Basin .....	3,659.45	581.89
33 42 31 00-0014 EA 5' Deep, 3'-8" x 3'-8" x 6" Thick Wall, Cast In Place, Grate Drop Inlet Basin .....	4,468.38	678.87
33 42 31 00-0015 EA 6' Deep, 3'-8" x 3'-8" x 6" Thick Wall, Cast In Place, Grate Drop Inlet Basin .....	5,090.67	775.85
<b>33 42 31 00-0016 4' x 4' x 8" Thick Wall, Cast In Place, Grate Drop Inlet Basins (33 42 31 00-0003)</b>		
33 42 31 00-0017 EA 2' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Grate Drop Inlet Basin .....	2,509.11	349.13
33 42 31 00-0018 EA 3' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Grate Drop Inlet Basin .....	3,477.49	484.91
33 42 31 00-0019 EA 4' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Grate Drop Inlet Basin .....	4,232.09	630.38
33 42 31 00-0020 EA 5' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Grate Drop Inlet Basin .....	4,886.69	727.36
33 42 31 00-0021 EA 6' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Grate Drop Inlet Basin .....	6,194.45	931.02

**33 Utilities****33 40 Stormwater Utilities****33 42 Stormwater Conveyance**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 31 00-0022			<b>Cast In Place, Catch Basin</b> <small>(33 42 31 00-0002)</small>		
			Note: Inside span, overall depth. Includes concrete, forms, rebar (where required), finish and curing.		
33 42 31 00-0023			<b>3' x 3', Cast In Place, Catch Basins</b> <small>(33 42 31 00-0022)</small>		
33 42 31 00-0024	EA		3' Deep, 3' x 3' x 6" Thick Wall, Cast In Place, Catch Basin .....	2,275.42	389.28
33 42 31 00-0025	EA		3'-6" Deep, 3' x 3' x 6" Thick Wall, Cast In Place, Catch Basin .....	2,407.95	413.92
33 42 31 00-0026	EA		4' Deep, 3' x 3' x 6" Thick Wall, Cast In Place, Catch Basin .....	2,664.76	444.57
33 42 31 00-0027	EA		4'-6" Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin .....	2,988.45	492.09
33 42 31 00-0028	EA		5' Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin .....	3,255.23	523.79
33 42 31 00-0029	EA		5'-6" Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin .....	3,400.98	549.31
33 42 31 00-0030	EA		6' Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin .....	3,667.95	581.01
33 42 31 00-0031	EA		6'-6" Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin .....	3,810.17	606.62
33 42 31 00-0032	EA		7' Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin .....	4,078.68	638.23
33 42 31 00-0033	EA		7'-6" Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin .....	4,222.89	663.84
33 42 31 00-0034	EA		8' Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin .....	4,489.76	695.55
33 42 31 00-0035	VLF		>8' Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin .....	561.24	86.89
33 42 31 00-0036			<b>3'-6" x 3'-6", Cast In Place, Catch Basins</b> <small>(33 42 31 00-0022)</small>		
33 42 31 00-0037	EA		3' Deep, 3'-6" x 3'-6" x 6" Thick Wall, Cast In Place, Catch Basin .....	2,605.74	449.99
33 42 31 00-0038	EA		3'-6" Deep, 3'-6" x 3'-6" x 6" Thick Wall, Cast In Place, Catch Basin .....	2,773.37	481.61
33 42 31 00-0039	EA		4' Deep, 3'-6" x 3'-6" x 6" Thick Wall, Cast In Place, Catch Basin .....	3,039.50	513.33
33 42 31 00-0040	EA		4'-6" Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin .....	3,417.85	568.50
33 42 31 00-0041	EA		5' Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin .....	3,706.95	604.39
33 42 31 00-0042	EA		5'-6" Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin .....	3,874.82	634.16
33 42 31 00-0043	EA		6' Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin .....	4,167.25	670.04
33 42 31 00-0044	EA		6'-6" Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin .....	4,335.13	699.82
33 42 31 00-0045	EA		7' Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin .....	4,625.65	735.70
33 42 31 00-0046	EA		7'-6" Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin .....	4,793.90	765.47
33 42 31 00-0047	EA		8' Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin .....	5,084.52	801.36
33 42 31 00-0048	VLF		>8' Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin .....	635.59	100.18
33 42 31 00-0049			<b>4' x 4', Cast In Place, Catch Basins</b> <small>(33 42 31 00-0022)</small>		
33 42 31 00-0050	EA		3' Deep, 4' x 4' x 6" Thick Wall, Cast In Place, Catch Basin .....	2,959.34	514.77
33 42 31 00-0051	EA		3'-6" Deep, 4' x 4' x 6" Thick Wall, Cast In Place, Catch Basin .....	3,136.28	547.46
33 42 31 00-0052	EA		4' Deep, 4' x 4' x 6" Thick Wall, Cast In Place, Catch Basin .....	3,435.97	586.16
33 42 31 00-0053	EA		4'-6" Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin .....	3,869.59	649.10
33 42 31 00-0054	EA		5' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin .....	4,184.24	689.15
33 42 31 00-0055	EA		5'-6" Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin .....	4,376.03	723.19
33 42 31 00-0056	EA		6' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin .....	4,690.69	763.24
33 42 31 00-0057	EA		6'-6" Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin .....	4,882.13	797.28
33 42 31 00-0058	EA		7' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin .....	5,196.77	837.34
33 42 31 00-0059	EA		7'-6" Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin .....	5,388.58	871.38
33 42 31 00-0060	EA		8' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin .....	5,703.23	911.53
33 42 31 00-0061	VLF		>8' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin .....	712.86	113.95
33 42 31 00-0062			<b>4'-6" x 4'-6", Cast In Place, Catch Basins</b> <small>(33 42 31 00-0022)</small>		
33 42 31 00-0063	EA		3' Deep, 4'-6" x 4'-6" x 6" Thick Wall, Cast In Place, Catch Basin .....	3,406.15	596.92
33 42 31 00-0064	EA		3'-6" Deep, 4'-6" x 4'-6" x 6" Thick Wall, Cast In Place, Catch Basin .....	3,612.63	630.67
33 42 31 00-0065	EA		4' Deep, 4'-6" x 4'-6" x 6" Thick Wall, Cast In Place, Catch Basin .....	3,940.06	674.32
33 42 31 00-0066	EA		4'-6" Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin .....	4,434.70	745.88
33 42 31 00-0067	EA		5' Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin .....	4,779.56	791.07
33 42 31 00-0068	EA		5'-6" Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin .....	5,001.68	830.16
33 42 31 00-0069	EA		6' Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin .....	5,346.92	875.35
33 42 31 00-0070	EA		6'-6" Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin .....	5,569.04	914.53
33 42 31 00-0071	EA		7' Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin .....	5,913.92	959.73
33 42 31 00-0072	EA		7'-6" Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin .....	6,134.49	998.81
33 42 31 00-0073	EA		8' Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin .....	6,481.27	1,044.01
33 42 31 00-0074	VLF		>8' Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin .....	810.21	130.54
33 42 31 00-0075			<b>5' x 5', Cast In Place, Catch Basins</b> <small>(33 42 31 00-0022)</small>		
33 42 31 00-0076	EA		4' Deep, 5' x 5' x 6" Thick Wall, Cast In Place, Catch Basin .....	4,396.56	757.14
33 42 31 00-0077	EA		4'-6" Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin .....	4,947.51	836.66
33 42 31 00-0078	EA		5' Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin .....	5,318.32	886.22
33 42 31 00-0079	EA		5'-6" Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin .....	5,564.86	929.67
33 42 31 00-0080	EA		6' Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin .....	5,932.24	979.12
33 42 31 00-0081	EA		6'-6" Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin .....	6,180.31	1,022.57
33 42 31 00-0082	EA		7' Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin .....	6,549.60	1,072.13
33 42 31 00-0083	EA		7'-6" Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin .....	6,794.22	1,115.58
33 42 31 00-0084	EA		8' Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin .....	7,165.04	1,165.04
33 42 31 00-0085	VLF		>8' Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin .....	1,499.04	145.66
33 42 31 00-0086			<b>5'-6" x 5'-6", Cast In Place, Catch Basins</b> <small>(33 42 31 00-0022)</small>		
33 42 31 00-0087	EA		4' Deep, 5'-6" x 5'-6" x 6" Thick Wall, Cast In Place, Catch Basin .....	4,874.93	844.32
33 42 31 00-0088	EA		4'-6" Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin .....	5,661.82	955.76
33 42 31 00-0089	EA		5' Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin .....	6,067.79	1,010.84





<b>Utilities</b>	<b>33</b>	<b>CS</b>
Stormwater Utilities	33 40	
Stormwater Conveyance	33 42	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 31 00-0090 EA 5'-6" Deep, 5'-6" x 5' x 8" Thick Wall, Cast In Place, Catch Basin .....	6,349.47	1,060.20
33 42 31 00-0091 EA 6' Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin .....	6,757.34	1,115.67
33 42 31 00-0092 EA 6'-6" Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin .....	7,040.55	1,165.04
33 42 31 00-0093 EA 7' Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin .....	7,446.52	1,220.51
33 42 31 00-0094 EA 7'-6" Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin .....	7,728.20	1,269.88
33 42 31 00-0095 EA 8' Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin .....	8,134.17	1,325.35
33 42 31 00-0096 VLF >8' Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin .....	1,016.77	165.65
<b>33 42 31 00-0097 6' x 6', Cast In Place, Catch Basins (33 42 31 00-0022)</b>		
33 42 31 00-0098 EA 4' Deep, 6' x 6' x 6" Thick Wall, Cast In Place, Catch Basin .....	5,378.85	935.58
33 42 31 00-0099 EA 4'-6" Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin .....	6,245.96	1,057.88
33 42 31 00-0100 EA 5' Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin .....	6,678.47	1,117.81
33 42 31 00-0101 EA 5'-6" Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin .....	6,986.32	1,171.64
33 42 31 00-0102 EA 6' Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin .....	7,417.28	1,231.57
33 42 31 00-0103 EA 6'-6" Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin .....	7,727.02	1,285.39
33 42 31 00-0104 EA 7' Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin .....	8,157.62	1,345.32
33 42 31 00-0105 EA 7'-6" Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin .....	8,465.83	1,399.15
33 42 31 00-0106 EA 8' Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin .....	8,898.34	1,459.08
33 42 31 00-0107 VLF >8' Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin .....	1,112.34	182.42
<b>33 42 31 00-0108 6'-6" x 6'-6", Cast In Place, Catch Basins (33 42 31 00-0022)</b>		
33 42 31 00-0109 EA 4' Deep, 6'-6" x 6'-6" x 6" Thick Wall, Cast In Place, Catch Basin .....	5,904.89	1,031.20
33 42 31 00-0110 EA 4'-6" Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin .....	7,080.41	1,194.71
33 42 31 00-0111 EA 5' Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin .....	7,551.45	1,261.05
33 42 31 00-0112 EA 5'-6" Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin .....	7,899.62	1,321.28
33 42 31 00-0113 EA 6' Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin .....	8,370.66	1,387.52
33 42 31 00-0114 EA 6'-6" Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin .....	8,718.82	1,447.83
33 42 31 00-0115 EA 7' Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin .....	9,189.85	1,514.07
33 42 31 00-0116 EA 7'-6" Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin .....	9,538.03	1,574.30
33 42 31 00-0117 EA 8' Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin .....	10,010.96	1,640.63
33 42 31 00-0118 VLF >8' Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin .....	1,251.32	205.12
<b>33 42 31 00-0119 7' x 7', Cast In Place, Catch Basins (33 42 31 00-0022)</b>		
33 42 31 00-0120 EA 4' Deep, 7' x 7' x 6" Thick Wall, Cast In Place, Catch Basin .....	6,454.78	1,131.00
33 42 31 00-0121 EA 4'-6" Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin .....	7,741.30	1,309.44
33 42 31 00-0122 EA 5' Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin .....	8,239.44	1,380.43
33 42 31 00-0123 EA 5'-6" Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin .....	8,612.92	1,445.21
33 42 31 00-0124 EA 6' Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin .....	9,112.50	1,516.11
33 42 31 00-0125 EA 6'-6" Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin .....	9,485.98	1,580.99
33 42 31 00-0126 EA 7' Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin .....	9,984.12	1,651.88
33 42 31 00-0127 EA 7'-6" Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin .....	10,359.14	1,716.76
33 42 31 00-0128 EA 8' Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin .....	10,857.18	1,787.66
33 42 31 00-0129 VLF >8' Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin .....	1,357.20	223.44
<b>33 42 31 00-0130 7'-6" x 7'-6", Cast In Place, Catch Basins (33 42 31 00-0022)</b>		
33 42 31 00-0131 EA 4' Deep, 7'-6" x 7'-6" x 6" Thick Wall, Cast In Place, Catch Basin .....	7,285.78	1,269.39
33 42 31 00-0132 EA 4'-6" Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin .....	8,429.40	1,428.82
33 42 31 00-0133 EA 5' Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin .....	8,952.74	1,504.38
33 42 31 00-0134 EA 5'-6" Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin .....	9,354.87	1,573.81
33 42 31 00-0135 EA 6' Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin .....	9,879.65	1,649.36
33 42 31 00-0136 EA 6'-6" Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin .....	10,281.78	1,718.80
33 42 31 00-0137 EA 7' Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin .....	10,672.10	1,794.35
33 42 31 00-0138 EA 7'-6" Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin .....	11,207.26	1,863.79
33 42 31 00-0139 EA 8' Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin .....	11,732.14	1,939.33
33 42 31 00-0140 VLF >8' Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin .....	1,466.48	242.45
<b>33 42 31 00-0141 8' x 8', Cast In Place, Catch Basins (33 42 31 00-0022)</b>		
33 42 31 00-0142 EA 4' Deep, 8' x 8' x 6" Thick Wall, Cast In Place, Catch Basin .....	7,907.59	1,381.11
33 42 31 00-0143 EA 4'-6" Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin .....	9,142.58	1,552.87
33 42 31 00-0144 EA 5' Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin .....	9,692.77	1,632.97
33 42 31 00-0145 EA 5'-6" Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin .....	10,122.00	1,707.06
33 42 31 00-0146 EA 6' Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin .....	10,672.10	1,787.17
33 42 31 00-0147 EA 6'-6" Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin .....	11,098.28	1,861.27
33 42 31 00-0148 EA 7' Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin .....	11,651.44	1,941.37
33 42 31 00-0149 EA 7'-6" Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin .....	12,080.68	2,015.46
33 42 31 00-0150 EA 8' Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin .....	12,622.16	2,095.57
33 42 31 00-0151 VLF >8' Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin .....	1,578.84	261.94
<b>33 42 31 00-0152 Precast Concrete Catch Basins (33 42 31 00-0002)</b>		
Note: Inside dimensions.		
<b>33 42 31 00-0153 1'-6" Diameter Precast Catch Basins (33 42 31 00-0152)</b>		
33 42 31 00-0154 EA 4' Deep, 1'-6" Diameter Precast Catch Basins .....	706.30	207.77
33 42 31 00-0155 EA 6' Deep, 1'-6" Diameter Precast Catch Basins .....	977.04	311.66

**33 Utilities****33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 31 00-0156 EA 8' Deep, 1'-6" Diameter Precast Catch Basins.....	1,233.53	405.16
33 42 31 00-0157 EA 10' Deep, 1'-6" Diameter Precast Catch Basins.....	1,479.82	478.93
33 42 31 00-0158 EA 12' Deep, 1'-6" Diameter Precast Catch Basins.....	1,817.69	607.75
33 42 31 00-0159 EA 14' Deep, 1'-6" Diameter Precast Catch Basins.....	2,077.83	701.24
33 42 31 00-0160 VLF Vertical Linear Foot Over 14' Deep, 1'-6" Diameter Precast Catch Basins.....	144.28	46.75
<b>33 42 31 00-0161 2' Diameter Precast Catch Basins (33 42 31 00-0152)</b>		
33 42 31 00-0162 EA 4' Deep, 2' Diameter Precast Catch Basin.....	806.21	231.15
33 42 31 00-0163 EA 6' Deep, 2' Diameter Precast Catch Basin.....	1,109.01	342.83
33 42 31 00-0164 EA 8' Deep, 2' Diameter Precast Catch Basin.....	1,394.84	451.92
33 42 31 00-0165 EA 10' Deep, 2' Diameter Precast Catch Basin.....	1,668.32	527.23
33 42 31 00-0166 EA 12' Deep, 2' Diameter Precast Catch Basin.....	2,060.92	675.27
33 42 31 00-0167 EA 14' Deep, 2' Diameter Precast Catch Basin.....	2,352.92	779.16
33 42 31 00-0168 VLF Vertical Linear Foot Over 14' Deep, 2' Diameter Precast Catch Basin.....	163.41	56.10
<b>33 42 31 00-0169 3' Diameter Precast Catch Basins (33 42 31 00-0152)</b>		
33 42 31 00-0170 EA 4' Deep, 3' Diameter Precast Catch Basin.....	1,073.24	272.71
33 42 31 00-0171 EA 6' Deep, 3' Diameter Precast Catch Basin.....	1,456.21	403.09
33 42 31 00-0172 EA 8' Deep, 3' Diameter Precast Catch Basin.....	1,822.12	532.43
33 42 31 00-0173 EA 10' Deep, 3' Diameter Precast Catch Basin.....	2,269.39	664.88
33 42 31 00-0174 EA 12' Deep, 3' Diameter Precast Catch Basin.....	2,678.02	792.66
33 42 31 00-0175 EA 14' Deep, 3' Diameter Precast Catch Basin.....	3,071.17	922.53
33 42 31 00-0176 VLF Vertical Linear Foot Over 14' Deep, 3' Diameter Precast Catch Basin.....	210.60	65.89
<b>33 42 31 00-0177 4' Diameter Precast Catch Basins (33 42 31 00-0152)</b>		
33 42 31 00-0178 EA 4' Deep, 4' Diameter Precast Catch Basin.....	1,305.65	303.36
33 42 31 00-0179 EA 6' Deep, 4' Diameter Precast Catch Basin.....	1,692.28	415.55
33 42 31 00-0180 EA 8' Deep, 4' Diameter Precast Catch Basin.....	2,247.64	623.33
33 42 31 00-0181 EA 10' Deep, 4' Diameter Precast Catch Basin.....	2,804.58	779.16
33 42 31 00-0182 EA 12' Deep, 4' Diameter Precast Catch Basin.....	3,311.57	934.99
33 42 31 00-0183 EA 14' Deep, 4' Diameter Precast Catch Basin.....	3,800.85	1,090.82
33 42 31 00-0184 VLF Vertical Linear Foot Over 14' Deep, 4' Diameter Precast Catch Basin.....	259.97	77.92
<b>33 42 31 00-0185 5' Diameter Precast Catch Basins (33 42 31 00-0152)</b>		
33 42 31 00-0186 EA 4' Deep, 5' Diameter Precast Catch Basin.....	1,755.77	415.55
33 42 31 00-0187 EA 6' Deep, 5' Diameter Precast Catch Basin.....	2,388.73	623.33
33 42 31 00-0188 EA 8' Deep, 5' Diameter Precast Catch Basin.....	3,024.76	831.10
33 42 31 00-0189 EA 10' Deep, 5' Diameter Precast Catch Basin.....	3,693.93	1,038.88
33 42 31 00-0190 EA 12' Deep, 5' Diameter Precast Catch Basin.....	4,352.07	1,246.66
33 42 31 00-0191 EA 14' Deep, 5' Diameter Precast Catch Basin.....	5,062.29	1,454.43
33 42 31 00-0192 VLF Vertical Linear Foot Over 14' Deep, 5' Diameter Precast Catch Basin.....	345.84	103.89
<b>33 42 31 00-0193 6' Diameter Precast Catch Basins (33 42 31 00-0152)</b>		
33 42 31 00-0194 EA 4' Deep, 6' Diameter Precast Catch Basin.....	2,565.09	623.33
33 42 31 00-0195 EA 6' Deep, 6' Diameter Precast Catch Basin.....	3,452.66	934.99
33 42 31 00-0196 EA 8' Deep, 6' Diameter Precast Catch Basin.....	4,405.73	1,246.66
33 42 31 00-0197 EA 10' Deep, 6' Diameter Precast Catch Basin.....	5,489.52	1,558.32
33 42 31 00-0198 EA 12' Deep, 6' Diameter Precast Catch Basin.....	6,538.06	1,869.98
33 42 31 00-0199 EA 14' Deep, 6' Diameter Precast Catch Basin.....	7,559.42	2,181.65
33 42 31 00-0200 VLF Vertical Linear Foot Over 14' Deep, 6' Diameter Precast Catch Basin.....	515.26	155.83
<b>33 42 31 00-0201 Precast Catch Basins Accessories (33 42 31 00-0152)</b>		
33 42 31 00-0202 EA Single Or Double Wing Slab Top With Throat.....	1,463.93	675.27
33 42 31 00-0203 EA 4' x 4' Weir Box, Precast Catch Basin.....	735.69	83.11
33 42 31 00-0204 EA 4' Diameter Inlet Round To Square Adapter, Precast Catch Basin.....	401.79	88.30
33 42 31 00-0205 EA 3' Diameter, Up To 6" High, Precast Extension Ring.....	496.04	129.86
For Each Additional Inch In Height, Add	61.01	
33 42 31 00-0206 EA 4' Diameter, Up To 6" High, Precast Extension Ring.....	584.38	155.83
For Each Additional Inch In Height, Add	71.40	
33 42 31 00-0207 EA 5' Diameter, Up To 6" High, Precast Extension Ring.....	681.70	181.81
For Each Additional Inch In Height, Add	83.35	
33 42 31 00-0208 EA 6' Diameter, Up To 6" High, Precast Extension Ring.....	844.45	259.72
For Each Additional Inch In Height, Add	97.50	
33 42 31 00-0209 EA Adjust Existing Catch Basin Inlet Gate To Match Grade.....	623.29	
<b>33 42 31 00-0210 Catch Basin Risers (33 42 31 00-0152)</b>		
33 42 31 00-0211 EA Up To 860 Square Inch, Up To 2" Rise, Catch Basin Riser.....	401.12	
33 42 31 00-0212 EA >860 To 1140 Square Inch, Up To 2" Rise, Catch Basin Riser.....	449.04	
33 42 31 00-0213 EA >1140 Square Inch, Up To 2" Rise, Catch Basin Riser.....	506.06	
33 42 31 00-0214 EA Up To 860 Square Inch, >2" To 3" Rise, Catch Basin Riser.....	432.00	
33 42 31 00-0215 EA >860 To 1140 Square Inch, >2" To 3" Rise, Catch Basin Riser.....	483.12	
33 42 31 00-0216 EA >1140 Square Inch, >2" To 3" Rise, Catch Basin Riser.....	546.33	
33 42 31 00-0217 EA Up To 860 Square Inch, >3" To 4" Rise, Catch Basin Riser.....	478.44	



<b>Utilities</b>	<b>33</b>	<b>CS</b>
Stormwater Utilities	33 40	
Stormwater Conveyance	33 42	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 31 00-0218 EA >860 To 1140 Square Inch, >3" To 4" Rise, Catch Basin Riser.....	523.82	
33 42 31 00-0219 EA >1140 Square Inch, >3" To 4" Rise, Catch Basin Riser.....	587.22	
<b>33 42 31 00-0220 Cast In Place, Storm Drain Cleanout (33 42 31 00-0002)</b>		
Note: Inside span.		
33 42 31 00-0221 EA 6' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Storm Drain Cleanout .....	4,832.97	767.90
33 42 31 00-0222 EA 6' Deep, 4' x 5' x 8" Thick Wall, Cast In Place, Storm Drain Cleanout .....	5,480.64	876.33
33 42 31 00-0223 EA 6' Deep, 4' x 6' x 8" Thick Wall, Cast In Place, Storm Drain Cleanout .....	6,203.85	994.54
33 42 31 00-0224 EA 7' Deep, 4' x 7' x 8" Thick Wall, Cast In Place, Storm Drain Cleanout .....	7,446.97	1,193.07
33 42 31 00-0225 EA 8' Deep, 4' x 8' x 8" Thick Wall, Cast In Place, Storm Drain Cleanout .....	9,025.64	1,440.36
<b>33 42 31 00-0226 Precast Concrete Inlet Boxes (33 42 31 00-0002)</b>		
Note: Inside dimensions.		
<b>33 42 31 00-0227 Precast Concrete Inlet Boxes (33 42 31 00-0226)</b>		
<b>33 42 31 00-0228 24" x 24" ID, Precast Concrete Inlet Boxes (33 42 31 00-0227)</b>		
Note: Yard inlet.		
<b>33 42 31 00-0229 24" x 24" ID, Precast Concrete Inlet Boxes (33 42 31 00-0228)</b>		
33 42 31 00-0230 EA 24" Height, 24" x 24" ID, Precast Concrete Inlet Box.....	815.14	72.72
33 42 31 00-0231 EA 30" Height, 24" x 24" ID, Precast Concrete Inlet Box.....	957.91	88.30
33 42 31 00-0232 EA 36" Height, 24" x 24" ID, Precast Concrete Inlet Box.....	1,100.69	103.89
33 42 31 00-0233 EA 42" Height, 24" x 24" ID, Precast Concrete Inlet Box.....	1,244.77	120.12
<b>33 42 31 00-0234 24" x 24" ID, Precast Concrete Inlet Box Risers (33 42 31 00-0228)</b>		
33 42 31 00-0235 EA 6" Height, 24" x 24" ID, Precast Concrete Inlet Box Riser .....	199.91	
33 42 31 00-0236 EA 12" Height, 24" x 24" ID, Precast Concrete Inlet Box Riser .....	327.12	
33 42 31 00-0237 EA 18" Height, 24" x 24" ID, Precast Concrete Inlet Box Riser .....	464.70	
33 42 31 00-0238 EA 24" Height, 24" x 24" ID, Precast Concrete Inlet Box Riser .....	602.29	
33 42 31 00-0239 EA 30" Height, 24" x 24" ID, Precast Concrete Inlet Box Riser .....	739.88	
33 42 31 00-0240 EA 36" Height, 24" x 24" ID, Precast Concrete Inlet Box Riser .....	877.46	
<b>33 42 31 00-0241 22" x 48" ID, Precast Concrete Inlet Boxes (33 42 31 00-0227)</b>		
<b>33 42 31 00-0242 22" x 48" ID, Precast Concrete Inlet Boxes (33 42 31 00-0241)</b>		
33 42 31 00-0243 EA 36" Height, 22" x 48" ID, Precast Concrete Inlet Box.....	1,662.16	203.56
33 42 31 00-0244 EA 42" Height, 22" x 48" ID, Precast Concrete Inlet Box.....	1,868.81	235.38
33 42 31 00-0245 EA 48" Height, 22" x 48" ID, Precast Concrete Inlet Box.....	2,075.45	267.18
33 42 31 00-0246 EA 54" Height, 22" x 48" ID, Precast Concrete Inlet Box.....	2,282.25	299.06
33 42 31 00-0247 EA 60" Height, 22" x 48" ID, Precast Concrete Inlet Box.....	2,489.06	330.95
33 42 31 00-0248 EA 66" Height, 22" x 48" ID, Precast Concrete Inlet Box.....	2,695.86	362.83
33 42 31 00-0249 EA 72" Height, 22" x 48" ID, Precast Concrete Inlet Box.....	2,902.66	394.72
<b>33 42 31 00-0250 22" x 48" ID, Precast Concrete Inlet Box Risers (33 42 31 00-0241)</b>		
33 42 31 00-0251 EA 6" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser .....	391.14	
33 42 31 00-0252 EA 12" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser .....	636.83	
33 42 31 00-0253 EA 18" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser .....	688.82	
33 42 31 00-0254 EA 24" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser .....	883.80	
33 42 31 00-0255 EA 30" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser .....	1,078.77	
33 42 31 00-0256 EA 36" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser .....	1,265.35	
33 42 31 00-0257 EA 42" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser .....	1,472.00	
33 42 31 00-0258 EA 48" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser .....	1,678.64	
33 42 31 00-0259 EA 54" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser .....	1,885.44	
33 42 31 00-0260 EA 60" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser .....	2,092.25	
33 42 31 00-0261 EA 66" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser .....	2,299.05	
33 42 31 00-0262 EA 72" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser .....	2,505.84	
<b>33 42 31 00-0263 30" x 48" ID, Precast Concrete Inlet Boxes (33 42 31 00-0227)</b>		
<b>33 42 31 00-0264 30" x 48" ID, Precast Concrete Inlet Boxes (33 42 31 00-0263)</b>		
33 42 31 00-0265 EA 36" Height, 30" x 48" ID, Precast Concrete Inlet Box.....	1,598.37	223.92
33 42 31 00-0266 EA 42" Height, 30" x 48" ID, Precast Concrete Inlet Box.....	1,804.88	258.91
33 42 31 00-0267 EA 48" Height, 30" x 48" ID, Precast Concrete Inlet Box.....	2,011.37	293.90
33 42 31 00-0268 EA 54" Height, 30" x 48" ID, Precast Concrete Inlet Box.....	2,218.04	328.98
33 42 31 00-0269 EA 60" Height, 30" x 48" ID, Precast Concrete Inlet Box.....	2,424.72	364.05
33 42 31 00-0270 EA 66" Height, 30" x 48" ID, Precast Concrete Inlet Box.....	2,631.39	399.12
33 42 31 00-0271 EA 72" Height, 30" x 48" ID, Precast Concrete Inlet Box.....	2,838.06	434.19
<b>33 42 31 00-0272 30" x 48" ID, Precast Concrete Inlet Box Risers (33 42 31 00-0263)</b>		
33 42 31 00-0273 EA 6" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser .....	386.98	
33 42 31 00-0274 EA 12" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser .....	623.30	
33 42 31 00-0275 EA 18" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser .....	676.25	
33 42 31 00-0276 EA 24" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser .....	866.72	
33 42 31 00-0277 EA 30" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser .....	1,057.19	

**33 Utilities****33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 31 00-0278 EA 36" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser.....	1,246.66	
33 42 31 00-0279 EA 42" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser.....	1,450.35	
33 42 31 00-0280 EA 48" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser.....	1,653.04	
33 42 31 00-0281 EA 54" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser.....	1,856.74	
33 42 31 00-0282 EA 60" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser.....	2,059.43	
33 42 31 00-0283 EA 66" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser.....	2,263.14	
33 42 31 00-0284 EA 72" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser.....	2,466.84	
<b>33 42 31 00-0285 42" x 48" ID, Precast Concrete Inlet Boxes (33 42 31 00-0227)</b>		
<b>33 42 31 00-0286 42" x 48" ID, Precast Concrete Inlet Boxes (33 42 31 00-0285)</b>		
33 42 31 00-0287 EA 36" Height, 42" x 48" ID, Precast Concrete Inlet Box.....	1,904.65	244.29
33 42 31 00-0288 EA 42" Height, 42" x 48" ID, Precast Concrete Inlet Box.....	2,147.33	283.98
33 42 31 00-0289 EA 48" Height, 42" x 48" ID, Precast Concrete Inlet Box.....	2,390.01	324.69
33 42 31 00-0290 EA 54" Height, 42" x 48" ID, Precast Concrete Inlet Box.....	2,631.67	364.39
33 42 31 00-0291 EA 60" Height, 42" x 48" ID, Precast Concrete Inlet Box.....	2,874.36	405.10
33 42 31 00-0292 EA 66" Height, 42" x 48" ID, Precast Concrete Inlet Box.....	3,117.04	444.80
33 42 31 00-0293 EA 72" Height, 42" x 48" ID, Precast Concrete Inlet Box.....	3,358.70	484.49
<b>33 42 31 00-0294 42" x 48" ID, Precast Concrete Inlet Box Risers (33 42 31 00-0285)</b>		
33 42 31 00-0295 EA 6" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser.....	428.64	
33 42 31 00-0296 EA 12" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser.....	704.63	
33 42 31 00-0297 EA 18" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser.....	759.08	
33 42 31 00-0298 EA 24" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser.....	975.82	
33 42 31 00-0299 EA 30" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser.....	1,192.54	
33 42 31 00-0300 EA 36" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser.....	1,409.27	
33 42 31 00-0301 EA 42" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser.....	1,639.73	
33 42 31 00-0302 EA 48" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser.....	1,870.20	
33 42 31 00-0303 EA 54" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser.....	2,100.66	
33 42 31 00-0304 EA 60" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser.....	2,331.14	
33 42 31 00-0305 EA 66" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser.....	2,561.60	
33 42 31 00-0306 EA 72" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser.....	2,792.06	
<b>33 42 31 00-0307 42" x 48" ID, Precast Concrete Inlet Box Tops (33 42 31 00-0285)</b>		
33 42 31 00-0308 EA 42" x 48" ID, Precast Concrete Inlet Box Top Slab.....	1,078.17	152.68
<b>33 42 31 00-0309 48" x 54" ID, Precast Concrete Inlet Boxes (33 42 31 00-0227)</b>		
<b>33 42 31 00-0310 48" x 54" ID, Precast Concrete Inlet Boxes (33 42 31 00-0309)</b>		
33 42 31 00-0311 EA 36" Height, 48" x 54" ID, Precast Concrete Inlet Box.....	2,714.70	271.43
33 42 31 00-0312 EA 42" Height, 48" x 54" ID, Precast Concrete Inlet Box.....	3,040.55	316.04
33 42 31 00-0313 EA 48" Height, 48" x 54" ID, Precast Concrete Inlet Box.....	3,366.41	360.66
33 42 31 00-0314 EA 54" Height, 48" x 54" ID, Precast Concrete Inlet Box.....	3,691.93	405.11
33 42 31 00-0315 EA 60" Height, 48" x 54" ID, Precast Concrete Inlet Box.....	4,017.46	449.56
33 42 31 00-0316 EA 66" Height, 48" x 54" ID, Precast Concrete Inlet Box.....	4,342.98	494.01
33 42 31 00-0317 EA 72" Height, 48" x 54" ID, Precast Concrete Inlet Box.....	4,668.51	538.46
<b>33 42 31 00-0318 48" x 54" ID, Precast Concrete Inlet Box Risers (33 42 31 00-0309)</b>		
33 42 31 00-0319 EA 6" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser.....	430.01	
33 42 31 00-0320 EA 12" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser.....	693.77	
33 42 31 00-0321 EA 18" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser.....	1,015.22	
33 42 31 00-0322 EA 24" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser.....	1,336.66	
33 42 31 00-0323 EA 30" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser.....	1,641.14	
33 42 31 00-0324 EA 36" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser.....	1,962.57	
33 42 31 00-0325 EA 42" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser.....	2,288.43	
33 42 31 00-0326 EA 48" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser.....	2,614.28	
33 42 31 00-0327 EA 54" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser.....	2,939.80	
33 42 31 00-0328 EA 60" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser.....	3,265.33	
33 42 31 00-0329 EA 66" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser.....	3,590.86	
33 42 31 00-0330 EA 72" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser.....	3,916.38	
<b>33 42 31 00-0331 48" x 54" ID, Precast Concrete Inlet Box Tops (33 42 31 00-0309)</b>		
33 42 31 00-0332 EA 48" x 54" ID, Precast Concrete Inlet Box Top Slab.....	1,171.89	165.40
<b>33 42 31 00-0333 48" x 66" ID, Precast Concrete Inlet Boxes (33 42 31 00-0227)</b>		
<b>33 42 31 00-0334 48" x 66" ID, Precast Concrete Inlet Boxes (33 42 31 00-0333)</b>		
33 42 31 00-0335 EA 36" Height, 48" x 66" ID, Precast Concrete Inlet Box.....	3,124.74	342.00
33 42 31 00-0336 EA 42" Height, 48" x 66" ID, Precast Concrete Inlet Box.....	3,481.68	399.13
33 42 31 00-0337 EA 48" Height, 48" x 66" ID, Precast Concrete Inlet Box.....	3,838.62	456.28
33 42 31 00-0338 EA 54" Height, 48" x 66" ID, Precast Concrete Inlet Box.....	4,194.94	513.10
33 42 31 00-0339 EA 60" Height, 48" x 66" ID, Precast Concrete Inlet Box.....	4,551.26	569.92
33 42 31 00-0340 EA 66" Height, 48" x 66" ID, Precast Concrete Inlet Box.....	4,907.56	626.75
33 42 31 00-0341 EA 72" Height, 48" x 66" ID, Precast Concrete Inlet Box.....	5,263.88	683.57



<b>Utilities</b>	<b>33</b>	<b>CS</b>
Stormwater Utilities	33 40	
Stormwater Conveyance	33 42	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>33 42 31 00-0342</b> <b>48" x 66" ID, Precast Concrete Inlet Box Risers</b> <small>(33 42 31 00-0333)</small>		
33 42 31 00-0343 EA 6" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser .....	470.67	
33 42 31 00-0344 EA 12" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser .....	741.83	
33 42 31 00-0345 EA 18" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser .....	1,098.50	
33 42 31 00-0346 EA 24" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser .....	1,455.15	
33 42 31 00-0347 EA 30" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser .....	1,783.32	
33 42 31 00-0348 EA 36" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser .....	2,139.98	
33 42 31 00-0349 EA 42" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser .....	2,496.92	
33 42 31 00-0350 EA 48" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser .....	2,853.87	
33 42 31 00-0351 EA 54" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser .....	3,210.18	
33 42 31 00-0352 EA 60" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser .....	3,566.50	
33 42 31 00-0353 EA 66" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser .....	3,922.80	
33 42 31 00-0354 EA 72" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser .....	4,279.12	
<b>33 42 31 00-0355</b> <b>48" x 66" ID, Precast Concrete Inlet Box Tops</b> <small>(33 42 31 00-0333)</small>		
33 42 31 00-0356 EA 48" x 66" ID, Precast Concrete Inlet Box Top Slab .....	1,302.64	185.24
<b>33 42 31 00-0357</b> <b>42" x 102" ID, Precast Concrete Inlet Boxes</b> <small>(33 42 31 00-0227)</small>		
<b>33 42 31 00-0358</b> <b>42" x 102" ID, Precast Concrete Inlet Boxes</b> <small>(33 42 31 00-0357)</small>		
33 42 31 00-0359 EA 36" Height, 42" x 102" ID, Precast Concrete Inlet Box .....	3,908.00	461.08
33 42 31 00-0360 EA 42" Height, 42" x 102" ID, Precast Concrete Inlet Box .....	4,359.06	537.42
33 42 31 00-0361 EA 48" Height, 42" x 102" ID, Precast Concrete Inlet Box .....	4,810.14	612.74
33 42 31 00-0362 EA 54" Height, 42" x 102" ID, Precast Concrete Inlet Box .....	5,260.19	689.08
33 42 31 00-0363 EA 60" Height, 42" x 102" ID, Precast Concrete Inlet Box .....	5,711.26	764.39
33 42 31 00-0364 EA 66" Height, 42" x 102" ID, Precast Concrete Inlet Box .....	6,161.31	839.71
33 42 31 00-0365 EA 72" Height, 42" x 102" ID, Precast Concrete Inlet Box .....	6,613.39	916.06
<b>33 42 31 00-0366</b> <b>42" x 102" ID, Precast Concrete Inlet Box Risers</b> <small>(33 42 31 00-0357)</small>		
33 42 31 00-0367 EA 6" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser .....	628.17	
33 42 31 00-0368 EA 12" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser .....	973.38	
33 42 31 00-0369 EA 18" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser .....	1,417.32	
33 42 31 00-0370 EA 24" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser .....	1,861.27	
33 42 31 00-0371 EA 30" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser .....	2,275.70	
33 42 31 00-0372 EA 36" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser .....	2,719.64	
33 42 31 00-0373 EA 42" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser .....	3,170.70	
33 42 31 00-0374 EA 48" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser .....	3,621.78	
33 42 31 00-0375 EA 54" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser .....	4,071.83	
33 42 31 00-0376 EA 60" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser .....	4,522.90	
33 42 31 00-0377 EA 66" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser .....	4,972.95	
33 42 31 00-0378 EA 72" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser .....	5,424.01	
<b>33 42 31 00-0379</b> <b>42" x 102" ID, Precast Concrete Inlet Box Tops</b> <small>(33 42 31 00-0357)</small>		
33 42 31 00-0380 EA 42" x 102" ID, Precast Concrete Inlet Box Top Slab .....	1,784.70	203.56
<b>33 42 31 00-0381</b> <b>Frames And Grates For Inlets</b> <small>(33 42 31 00-0226)</small>		
<b>33 42 31 00-0382</b> <b>Inlet Frames And Grates</b> <small>(33 42 31 00-0381)</small>		
33 42 31 00-0383 EA 24" x 24", Heavy Duty Inlet Grate .....	402.92	47.16
Note: For type A, B, D, or E inlets.		
33 42 31 00-0384 EA 47-3/4" x 21-3/4", Bicycle Safe Inlet Grate (US Foundry 6352 GRT) .....	525.60	47.16
Note: For type A, B, D, or E inlets.		
33 42 31 00-0385 EA 47-3/4" x 21-3/4", Phase II Stormwater Compliant Inlet Grate (US Foundry 6352 GRT) .....	525.60	47.16
Note: Includes legend: Dump No Waste "Drains To Waterways".		
33 42 31 00-0386 EA Phase II Storm Water Compliant Grate, Echo Grate, Type "B" And "D" Inlet Covers (US Foundry 6352 GRT .....	525.60	47.16
Note: Legend: Dump No Waste "Drains to Waterways"		
33 42 31 00-0387 EA Parallel Bar Grates For Type A, B, D And E Inlets (Campbell Foundry 2617-0362) .....	576.94	47.16
33 42 31 00-0388 EA Type B Inlet Dirt Plate (US Foundry 5217 BK) .....	414.56	94.32
33 42 31 00-0389 EA Back Plate For Type B Inlets (Campbell Foundry 2548-1942) .....	486.44	94.32
33 42 31 00-0390 EA Phase II Echo-Safe Bar For Series 2500/2600 Curb Inlets (Campbell Foundry 25419EC4) .....	605.48	117.90
Note: Includes cam action clamping system, stainless steel badge labeled to center of plate, steel plate welded to bar with legend: Dump No Waste "Drains to Waterways".		
33 42 31 00-0391 EA 1-1/2" Catch Basin Riser For Type B And D Inlets (General Foundries 6352 EXT) .....	513.06	117.90
33 42 31 00-0392 EA 2" Catch Basin Riser For Type B And D Inlets (General Foundries 6352 EXT) .....	523.33	117.90
33 42 31 00-0393 EA 2-1/2" Catch Basin Riser For Type B And D Inlets (General Foundries 6352 EXT) .....	543.87	117.90
33 42 31 00-0394 EA 3" Catch Basin Riser For Type B And D Inlets (General Foundries 6352 EXT) .....	564.40	117.90
33 42 31 00-0395 EA 2" Extension Frame For Type A Inlet (General Foundries 6352 EXT) .....	543.87	117.90
33 42 31 00-0396 EA 2-1/2" Extension Frame For Type A Inlet (General Foundries 6352 EXT) .....	564.40	117.90
33 42 31 00-0397 EA 3" Extension Frame For Type A Inlet (General Foundries 6352 EXT) .....	584.94	117.90
33 42 31 00-0398 EA 2" Extension Frame For Type E Inlet (General Foundries 6352 EXT) .....	851.92	117.90
33 42 31 00-0399 EA 2-1/2" Extension Frame For Type E Inlet (General Foundries 6352 EXT) .....	892.99	117.90
33 42 31 00-0400 EA 3" Extension Frame For Type E Inlet (General Foundries 6352 EXT) .....	934.07	117.90
33 42 31 00-0401 EA 2", 3 Sided Extension Frame For Type A, B, D, And E Inlet (Campbell Foundry 2701) .....	626.01	117.90
33 42 31 00-0402 EA 6" Type N Curb Back Piece For Type B And D Inlets (US Foundry 5218N6) .....	564.40	117.90



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 31 00-0403 EA 8" Type N Curb Back Piece For Type B And D Inlets (US Foundry 5218N8) .....	564.40	117.90
33 42 31 00-0404 EA 6" Radius Curb Back Piece For Type B And D Inlets (Campbell Foundry BSCB-6) .....	1,182.29	117.90
33 42 31 00-0405 EA 8" Radius Curb Back Piece For Type B And D Inlets (Campbell Foundry BSCB-8) .....	1,182.29	117.90
33 42 31 00-0406 EA Safety Bars For Type B And D Inlets (General Foundries 5218 SB) .....	464.75	129.69
33 42 31 00-0407 EA 6", Phase II Echo-Safe Catch Basin Curb Inlet Cover (Campbell Foundry ERSS 648) .....	659.85	129.69
Note: Includes cam action clamping system and stainless steel badge labeled to center of plate.		
33 42 31 00-0408 EA 8", Phase II Echo-Safe Catch Basin Curb Inlet Cover (Campbell Foundry ERSS 848) .....	659.85	129.69
Note: Includes cam action clamping system and stainless steel badge labeled to center of plate.		
33 42 31 00-0409 EA 10", Phase II Echo-Safe Catch Basin Curb Inlet Cover (Campbell Foundry ERSS 1048) .....	731.73	129.69
Note: Includes cam action clamping system and stainless steel badge labeled to center of plate.		
33 42 31 00-0410 EA Type B Inlet Frame (US Foundry 5216 FRM) .....	844.68	129.69
33 42 31 00-0411 EA Type D Inlet Frame (US Foundry 2999 FRM) .....	721.46	129.69
33 42 31 00-0412 EA Type B Inlet Frame (Campbell Foundry 2618-0202) .....	1,039.79	129.69
33 42 31 00-0413 EA Type D Inlet Frame (Campbell Foundry 2617-0002) .....	916.56	129.69
33 42 31 00-0414 EA Type A Inlet, Single Frame And Grate (US Foundry 52340) .....	1,178.22	188.65
33 42 31 00-0415 EA Type E Inlet, Single Frame And Grate (US Foundry 52342) .....	1,917.56	188.65
33 42 31 00-0416 EA Type A Inlet, Single Frame And Grate (General Foundries 52340) .....	1,147.42	188.65
33 42 31 00-0417 EA Type E Inlet, Double Frame And Grate (General Foundries 52342) .....	1,821.03	188.65
33 42 31 00-0418 EA Oversized Type A Inlet, Single Frame And Reticuline Grate (US Foundry 82340) .....	1,931.64	282.96
33 42 31 00-0419 EA Heavy Duty Rectangular Frame And Grate (Campbell Foundry 3084) .....	1,965.17	377.28
33 42 31 00-0420 EA 6" Curb Piece, Type B Inlet Frame And Grate (US Foundry 52186) .....	2,161.34	377.28
33 42 31 00-0421 EA 8" Curb Piece, Type B Inlet Frame And Grate (US Foundry 52198) .....	2,161.34	377.28
33 42 31 00-0422 EA 6" Curb Piece, Type D Inlet Frame And Grate (US Foundry 72266) .....	1,904.63	377.28
33 42 31 00-0423 EA 8" Curb Piece, Type D Inlet Frame And Grate (US Foundry 72268) .....	1,904.63	377.28
33 42 31 00-0424 EA Type B And C Inlet Frame And Grate With Type N Curb And Back Plate (Campbell Foundry GFI 52198) .....	2,243.49	377.28
<b>33 42 31 00-0425 Concrete Drainage Inlet Structures (CALTRANS) (33 42 31 00-0001)</b>		
<b>33 42 31 00-0426 Type OS Concrete Drainage Inlet Structure (33 42 31 00-0425)</b>		
33 42 31 00-0427 EA 3' Deep Type OS Concrete Drainage Inlet Structure, 6" Wall Thickness .....	2,863.93	
33 42 31 00-0428 EA 4' Deep Type OS Concrete Drainage Inlet Structure, 6" Wall Thickness .....	3,329.48	
33 42 31 00-0429 EA 5' Deep Type OS Concrete Drainage Inlet Structure, 6" Wall Thickness .....	3,762.58	
33 42 31 00-0430 EA 6' Deep Type OS Concrete Drainage Inlet Structure, 6" Wall Thickness .....	4,163.24	
33 42 31 00-0431 EA 7' Deep Type OS Concrete Drainage Inlet Structure, 6" Wall Thickness .....	4,531.46	
33 42 31 00-0432 EA 8' Deep Type OS Concrete Drainage Inlet Structure, 6" Wall Thickness .....	4,867.25	
33 42 31 00-0433 EA 8' Deep Type OS Concrete Drainage Inlet Structure, 8" Wall Thickness .....	6,622.93	
33 42 31 00-0434 EA 10' Deep Type OS Concrete Drainage Inlet Structure, 8" Wall Thickness .....	7,723.86	
33 42 31 00-0435 EA 12' Deep Type OS Concrete Drainage Inlet Structure, 8" Wall Thickness .....	8,741.36	
33 42 31 00-0436 EA 14' Deep Type OS Concrete Drainage Inlet Structure, 8" Wall Thickness .....	9,677.51	
33 42 31 00-0437 EA 16' Deep Type OS Concrete Drainage Inlet Structure, 8" Wall Thickness .....	10,582.41	
33 42 31 00-0438 EA 18' Deep Type OS Concrete Drainage Inlet Structure, 8" Wall Thickness .....	11,416.61	
33 42 31 00-0439 EA 20' Deep Type OS Concrete Drainage Inlet Structure, 8" Wall Thickness .....	12,180.12	
<b>33 42 31 00-0440 Type OL-7 Concrete Drainage Inlet Structure (33 42 31 00-0425)</b>		
33 42 31 00-0441 EA 3' Deep Type OL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	3,899.81	
33 42 31 00-0442 EA 4' Deep Type OL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	4,335.70	
33 42 31 00-0443 EA 5' Deep Type OL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	4,739.13	
33 42 31 00-0444 EA 6' Deep Type OL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	5,110.14	
33 42 31 00-0445 EA 7' Deep Type OL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	5,447.66	
33 42 31 00-0446 EA 8' Deep Type OL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	5,753.78	
33 42 31 00-0447 EA 8' Deep Type OL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	7,457.32	
33 42 31 00-0448 EA 10' Deep Type OL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	8,532.83	
33 42 31 00-0449 EA 12' Deep Type OL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	9,524.92	
33 42 31 00-0450 EA 14' Deep Type OL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	10,434.61	
33 42 31 00-0451 EA 16' Deep Type OL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	11,317.73	
33 42 31 00-0452 EA 18' Deep Type OL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	12,130.15	
33 42 31 00-0453 EA 20' Deep Type OL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	12,871.89	
<b>33 42 31 00-0454 Type OL-10 Concrete Drainage Inlet Structure (33 42 31 00-0425)</b>		
33 42 31 00-0455 EA 3' Deep Type OL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	4,854.46	
33 42 31 00-0456 EA 4' Deep Type OL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	5,263.22	
33 42 31 00-0457 EA 5' Deep Type OL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	5,638.52	
33 42 31 00-0458 EA 6' Deep Type OL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	5,982.40	
33 42 31 00-0459 EA 7' Deep Type OL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	6,292.81	
33 42 31 00-0460 EA 8' Deep Type OL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	6,570.78	
33 42 31 00-0461 EA 8' Deep Type OL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	8,291.70	
33 42 31 00-0462 EA 10' Deep Type OL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	9,340.76	
33 42 31 00-0463 EA 12' Deep Type OL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	10,308.47	
33 42 31 00-0464 EA 14' Deep Type OL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	11,192.75	
33 42 31 00-0465 EA 16' Deep Type OL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	12,053.05	
33 42 31 00-0466 EA 18' Deep Type OL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	12,843.69	
33 42 31 00-0467 EA 20' Deep Type OL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	13,562.60	
<b>33 42 31 00-0468 Type OL-14 Concrete Drainage Inlet Structure (33 42 31 00-0425)</b>		
33 42 31 00-0469 EA 3' Deep Type OL-14 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	6,215.34	
33 42 31 00-0470 EA 4' Deep Type OL-14 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	6,584.23	
33 42 31 00-0471 EA 5' Deep Type OL-14 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	6,920.69	



	<b>Utilities</b>	<b>33</b>	
	<b>Stormwater Utilities</b>	<b>33 40</b>	<b>CS</b>
	<b>Stormwater Conveyance</b>	<b>33 42</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 31 00-0472 EA 6' Deep Type OL-14 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	7,224.72	
33 42 31 00-0473 EA 7' Deep Type OL-14 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	7,496.30	
33 42 31 00-0474 EA 8' Deep Type OL-14 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	7,735.44	
33 42 31 00-0475 EA 8' Deep Type OL-14 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	9,473.75	
33 42 31 00-0476 EA 10' Deep Type OL-14 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	10,486.72	
33 42 31 00-0477 EA 12' Deep Type OL-14 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	11,417.31	
33 42 31 00-0478 EA 14' Deep Type OL-14 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	12,265.51	
33 42 31 00-0479 EA 16' Deep Type OL-14 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	13,095.89	
33 42 31 00-0480 EA 18' Deep Type OL-14 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	13,854.54	
33 42 31 00-0481 EA 20' Deep Type OL-14 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	14,542.49	
<b>33 42 31 00-0482 Type OL-21 Concrete Drainage Inlet Structure (33 42 31 00-0425)</b>		
33 42 31 00-0483 EA 3' Deep Type OL-21 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	8,977.70	
33 42 31 00-0484 EA 4' Deep Type OL-21 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	9,267.15	
33 42 31 00-0485 EA 5' Deep Type OL-21 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	9,524.17	
33 42 31 00-0486 EA 6' Deep Type OL-21 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	9,748.74	
33 42 31 00-0487 EA 7' Deep Type OL-21 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	9,939.84	
33 42 31 00-0488 EA 8' Deep Type OL-21 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	10,099.53	
33 42 31 00-0489 EA 8' Deep Type OL-21 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	11,785.69	
33 42 31 00-0490 EA 10' Deep Type OL-21 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	12,727.62	
33 42 31 00-0491 EA 12' Deep Type OL-21 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	13,587.16	
33 42 31 00-0492 EA 14' Deep Type OL-21 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	14,364.31	
33 42 31 00-0493 EA 16' Deep Type OL-21 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	15,133.71	
33 42 31 00-0494 EA 18' Deep Type OL-21 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	15,831.37	
33 42 31 00-0495 EA 20' Deep Type OL-21 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	16,458.33	
<b>33 42 31 00-0496 Type GOL-7 Concrete Drainage Inlet Structure (33 42 31 00-0425)</b>		
33 42 31 00-0497 EA 3' Deep Type GOL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	4,732.58	
33 42 31 00-0498 EA 4' Deep Type GOL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	5,213.90	
33 42 31 00-0499 EA 5' Deep Type GOL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	5,658.07	
33 42 31 00-0500 EA 6' Deep Type GOL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	6,065.06	
33 42 31 00-0501 EA 7' Deep Type GOL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	6,435.94	
33 42 31 00-0502 EA 8' Deep Type GOL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	6,770.69	
33 42 31 00-0503 EA 8' Deep Type GOL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	8,621.97	
33 42 31 00-0504 EA 10' Deep Type GOL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	9,819.97	
33 42 31 00-0505 EA 12' Deep Type GOL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	10,925.35	
33 42 31 00-0506 EA 14' Deep Type GOL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	11,937.07	
33 42 31 00-0507 EA 16' Deep Type GOL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	12,920.94	
33 42 31 00-0508 EA 18' Deep Type GOL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	13,825.32	
33 42 31 00-0509 EA 20' Deep Type GOL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	14,649.16	
<b>33 42 31 00-0510 Type GOL-10 Concrete Drainage Inlet Structure (33 42 31 00-0425)</b>		
33 42 31 00-0511 EA 3' Deep Type GOL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	5,768.48	
33 42 31 00-0512 EA 4' Deep Type GOL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	6,219.09	
33 42 31 00-0513 EA 5' Deep Type GOL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	6,633.59	
33 42 31 00-0514 EA 6' Deep Type GOL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	7,011.96	
33 42 31 00-0515 EA 7' Deep Type GOL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	7,353.17	
33 42 31 00-0516 EA 8' Deep Type GOL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	7,657.22	
33 42 31 00-0517 EA 8' Deep Type GOL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	9,508.50	
33 42 31 00-0518 EA 10' Deep Type GOL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	10,678.92	
33 42 31 00-0519 EA 12' Deep Type GOL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	11,756.72	
33 42 31 00-0520 EA 14' Deep Type GOL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	12,741.89	
33 42 31 00-0521 EA 16' Deep Type GOL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	13,702.03	
33 42 31 00-0522 EA 18' Deep Type GOL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	14,582.68	
33 42 31 00-0523 EA 20' Deep Type GOL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	15,383.83	
<b>33 42 31 00-0524 Type G-1 Concrete Drainage Inlet Structure (33 42 31 00-0425)</b>		
33 42 31 00-0525 EA 3' Deep Type G-1 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	1,929.60	
33 42 31 00-0526 EA 4' Deep Type G-1 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	2,308.34	
33 42 31 00-0527 EA 5' Deep Type G-1 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	2,660.07	
33 42 31 00-0528 EA 6' Deep Type G-1 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	2,986.85	
33 42 31 00-0529 EA 7' Deep Type G-1 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	3,288.69	
33 42 31 00-0530 EA 8' Deep Type G-1 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	3,563.52	
<b>33 42 31 00-0531 Type G-2 Concrete Drainage Inlet Structure (33 42 31 00-0425)</b>		
33 42 31 00-0532 EA 3' Deep Type G-2 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	2,660.81	
33 42 31 00-0533 EA 4' Deep Type G-2 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	3,086.88	
33 42 31 00-0534 EA 5' Deep Type G-2 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	3,483.29	
33 42 31 00-0535 EA 6' Deep Type G-2 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	3,850.04	
33 42 31 00-0536 EA 7' Deep Type G-2 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	4,187.13	
33 42 31 00-0537 EA 8' Deep Type G-2 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	4,493.51	
33 42 31 00-0538 EA 8' Deep Type G-2 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	6,084.06	
33 42 31 00-0539 EA 10' Deep Type G-2 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	7,099.87	
33 42 31 00-0540 EA 12' Deep Type G-2 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	8,039.91	
33 42 31 00-0541 EA 14' Deep Type G-2 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	8,904.14	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 31 00-0542 EA 16' Deep Type G-2 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	9,739.62	
33 42 31 00-0543 EA 18' Deep Type G-2 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	10,510.08	
33 42 31 00-0544 EA 20' Deep Type G-2 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	11,214.53	
<b>33 42 31 00-0545 Type G-3 Concrete Drainage Inlet Structure (33 42 31 00-0425)</b>		
33 42 31 00-0546 EA 3' Deep Type G-3 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	2,092.10	
33 42 31 00-0547 EA 4' Deep Type G-3 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	2,465.73	
33 42 31 00-0548 EA 5' Deep Type G-3 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	2,813.39	
33 42 31 00-0549 EA 6' Deep Type G-3 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	3,136.11	
33 42 31 00-0550 EA 7' Deep Type G-3 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	3,431.82	
33 42 31 00-0551 EA 8' Deep Type G-3 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	3,702.58	
<b>33 42 31 00-0552 Type G-4_24 Concrete Drainage Inlet Structure (33 42 31 00-0425)</b>		
33 42 31 00-0553 EA 3' Deep Type G-4_24 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	2,579.57	
33 42 31 00-0554 EA 4' Deep Type G-4_24 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	3,008.19	
33 42 31 00-0555 EA 5' Deep Type G-4_24 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	3,407.15	
33 42 31 00-0556 EA 6' Deep Type G-4_24 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	3,775.41	
33 42 31 00-0557 EA 7' Deep Type G-4_24 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	4,115.04	
33 42 31 00-0558 EA 8' Deep Type G-4_24 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	4,423.98	
33 42 31 00-0559 EA 8' Deep Type G-4_24 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	6,049.29	
33 42 31 00-0560 EA 10' Deep Type G-4_24 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	7,066.90	
33 42 31 00-0561 EA 12' Deep Type G-4_24 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	8,007.69	
33 42 31 00-0562 EA 14' Deep Type G-4_24 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	8,872.69	
33 42 31 00-0563 EA 16' Deep Type G-4_24 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	9,708.76	
33 42 31 00-0564 EA 18' Deep Type G-4_24 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	10,479.84	
33 42 31 00-0565 EA 20' Deep Type G-4_24 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	11,185.92	
<b>33 42 31 00-0566 Type G-4_18 Concrete Drainage Inlet Structure (33 42 31 00-0425)</b>		
33 42 31 00-0567 EA 3' Deep Type G-4_18 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	2,660.81	
33 42 31 00-0568 EA 4' Deep Type G-4_18 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	3,086.88	
33 42 31 00-0569 EA 5' Deep Type G-4_18 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	3,483.29	
33 42 31 00-0570 EA 6' Deep Type G-4_18 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	3,850.04	
33 42 31 00-0571 EA 7' Deep Type G-4_18 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	4,187.13	
33 42 31 00-0572 EA 8' Deep Type G-4_18 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	4,493.51	
33 42 31 00-0573 EA 8' Deep Type G-4_18 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	6,084.06	
33 42 31 00-0574 EA 10' Deep Type G-4_18 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	7,099.87	
33 42 31 00-0575 EA 12' Deep Type G-4_18 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	8,039.91	
33 42 31 00-0576 EA 14' Deep Type G-4_18 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	8,904.14	
33 42 31 00-0577 EA 16' Deep Type G-4_18 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	9,739.62	
33 42 31 00-0578 EA 18' Deep Type G-4_18 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	10,510.08	
33 42 31 00-0579 EA 20' Deep Type G-4_18 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	11,214.53	
<b>33 42 31 00-0580 Type G-5 Concrete Drainage Inlet Structure (33 42 31 00-0425)</b>		
33 42 31 00-0581 EA 3' Deep Type G-5 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	2,071.78	
33 42 31 00-0582 EA 4' Deep Type G-5 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	2,445.79	
33 42 31 00-0583 EA 5' Deep Type G-5 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	2,794.88	
33 42 31 00-0584 EA 6' Deep Type G-5 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	3,116.93	
33 42 31 00-0585 EA 7' Deep Type G-5 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	3,414.05	
33 42 31 00-0586 EA 8' Deep Type G-5 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	3,685.20	
<b>33 42 31 00-0587 Type G-6 Concrete Drainage Inlet Structure (33 42 31 00-0425)</b>		
33 42 31 00-0588 EA 3' Deep Type G-6 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	2,112.40	
33 42 31 00-0589 EA 4' Deep Type G-6 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	2,485.66	
33 42 31 00-0590 EA 5' Deep Type G-6 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	2,832.94	
33 42 31 00-0591 EA 6' Deep Type G-6 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	3,154.25	
33 42 31 00-0592 EA 7' Deep Type G-6 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	3,449.58	
33 42 31 00-0593 EA 8' Deep Type G-6 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	3,719.97	
<b>33 42 31 00-0594 Type GT1 Concrete Drainage Inlet Structure (33 42 31 00-0425)</b>		
33 42 31 00-0595 EA 3' Deep Type GT1 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	3,534.20	
33 42 31 00-0596 EA 4' Deep Type GT1 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	4,118.50	
33 42 31 00-0597 EA 5' Deep Type GT1 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	4,703.81	
33 42 31 00-0598 EA 6' Deep Type GT1 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	5,165.60	
33 42 31 00-0599 EA 7' Deep Type GT1 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	5,627.35	
33 42 31 00-0600 EA 8' Deep Type GT1 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	6,049.29	
<b>33 42 31 00-0601 Type GT2 Concrete Drainage Inlet Structure (33 42 31 00-0425)</b>		
33 42 31 00-0602 EA 3' Deep Type GT2 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	4,285.74	
33 42 31 00-0603 EA 4' Deep Type GT2 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	4,922.01	
33 42 31 00-0604 EA 5' Deep Type GT2 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	5,512.56	
33 42 31 00-0605 EA 6' Deep Type GT2 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	6,058.44	
33 42 31 00-0606 EA 7' Deep Type GT2 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	6,558.58	
33 42 31 00-0607 EA 8' Deep Type GT2 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	7,014.04	





	<b>Utilities</b>	<b>33</b>	
	Stormwater Utilities	33 40	33
	Stormwater Conveyance	33 42	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 31 00-0608 EA 8' Deep Type GT2 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	9,386.82	
33 42 31 00-0609 EA 10' Deep Type GT2 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	10,884.51	
33 42 31 00-0610 EA 12' Deep Type GT2 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	12,268.84	
33 42 31 00-0611 EA 14' Deep Type GT2 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	13,540.83	
33 42 31 00-0612 EA 16' Deep Type GT2 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	14,772.32	
33 42 31 00-0613 EA 18' Deep Type GT2 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	15,906.48	
33 42 31 00-0614 EA 20' Deep Type GT2 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	16,943.29	
<b>33 42 31 00-0615 Type GT3 Concrete Drainage Inlet Structure (33 42 31 00-0425)</b>		
33 42 31 00-0616 EA 3' Deep Type GT3 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	3,513.90	
33 42 31 00-0617 EA 4' Deep Type GT3 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	4,098.57	
33 42 31 00-0618 EA 5' Deep Type GT3 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	4,643.44	
33 42 31 00-0619 EA 6' Deep Type GT3 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	5,147.45	
33 42 31 00-0620 EA 7' Deep Type GT3 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	5,609.59	
33 42 31 00-0621 EA 8' Deep Type GT3 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	6,031.90	
<b>33 42 31 00-0622 Type GT4 Concrete Drainage Inlet Structure (33 42 31 00-0425)</b>		
33 42 31 00-0623 EA 3' Deep Type GT4 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	4,427.92	
33 42 31 00-0624 EA 4' Deep Type GT4 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	5,059.47	
33 42 31 00-0625 EA 5' Deep Type GT4 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	5,646.34	
33 42 31 00-0626 EA 6' Deep Type GT4 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	6,187.49	
33 42 31 00-0627 EA 7' Deep Type GT4 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	6,683.94	
33 42 31 00-0628 EA 8' Deep Type GT4 Concrete Drainage Inlet Structure, 6" Wall Thickness .....	7,135.72	
33 42 31 00-0629 EA 8' Deep Type GT4 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	9,404.21	
33 42 31 00-0630 EA 10' Deep Type GT4 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	10,901.52	
33 42 31 00-0631 EA 12' Deep Type GT4 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	12,285.46	
33 42 31 00-0632 EA 14' Deep Type GT4 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	13,556.04	
33 42 31 00-0633 EA 16' Deep Type GT4 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	14,787.23	
33 42 31 00-0634 EA 18' Deep Type GT4 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	15,921.09	
33 42 31 00-0635 EA 20' Deep Type GT4 Concrete Drainage Inlet Structure, 8" Wall Thickness .....	16,957.59	
<b>33 42 31 00-0636 Type GO Concrete Drainage Inlet Structure (33 42 31 00-0425)</b>		
33 42 31 00-0637 EA 3' Deep Type GO Concrete Drainage Inlet Structure, 6" Wall Thickness .....	2,518.63	
33 42 31 00-0638 EA 4' Deep Type GO Concrete Drainage Inlet Structure, 6" Wall Thickness .....	2,929.49	
33 42 31 00-0639 EA 5' Deep Type GO Concrete Drainage Inlet Structure, 6" Wall Thickness .....	3,311.45	
33 42 31 00-0640 EA 6' Deep Type GO Concrete Drainage Inlet Structure, 6" Wall Thickness .....	3,664.50	
33 42 31 00-0641 EA 7' Deep Type GO Concrete Drainage Inlet Structure, 6" Wall Thickness .....	3,988.65	
33 42 31 00-0642 EA 8' Deep Type GO Concrete Drainage Inlet Structure, 6" Wall Thickness .....	4,284.92	
33 42 31 00-0643 EA 8' Deep Type GO Concrete Drainage Inlet Structure, 8" Wall Thickness .....	5,892.83	
33 42 31 00-0644 EA 10' Deep Type GO Concrete Drainage Inlet Structure, 8" Wall Thickness .....	6,878.32	
33 42 31 00-0645 EA 12' Deep Type GO Concrete Drainage Inlet Structure, 8" Wall Thickness .....	7,788.62	
33 42 31 00-0646 EA 14' Deep Type GO Concrete Drainage Inlet Structure, 8" Wall Thickness .....	8,625.85	
33 42 31 00-0647 EA 16' Deep Type GO Concrete Drainage Inlet Structure, 8" Wall Thickness .....	9,436.54	
33 42 31 00-0648 EA 18' Deep Type GO Concrete Drainage Inlet Structure, 8" Wall Thickness .....	10,182.53	
33 42 31 00-0649 EA 20' Deep Type GO Concrete Drainage Inlet Structure, 8" Wall Thickness .....	10,865.89	
<b>33 42 31 00-0650 Type GDO Concrete Drainage Inlet Structure (33 42 31 00-0425)</b>		
33 42 31 00-0651 EA 3' Deep Type GDO Concrete Drainage Inlet Structure, 6" Wall Thickness .....	3,290.48	
33 42 31 00-0652 EA 4' Deep Type GDO Concrete Drainage Inlet Structure, 6" Wall Thickness .....	3,830.60	
33 42 31 00-0653 EA 5' Deep Type GDO Concrete Drainage Inlet Structure, 6" Wall Thickness .....	4,332.87	
33 42 31 00-0654 EA 6' Deep Type GDO Concrete Drainage Inlet Structure, 6" Wall Thickness .....	4,798.34	
33 42 31 00-0655 EA 7' Deep Type GDO Concrete Drainage Inlet Structure, 6" Wall Thickness .....	5,224.93	
33 42 31 00-0656 EA 8' Deep Type GDO Concrete Drainage Inlet Structure, 6" Wall Thickness .....	5,614.71	
33 42 31 00-0657 EA 8' Deep Type GDO Concrete Drainage Inlet Structure, 8" Wall Thickness .....	7,578.99	
33 42 31 00-0658 EA 10' Deep Type GDO Concrete Drainage Inlet Structure, 8" Wall Thickness .....	8,849.21	
33 42 31 00-0659 EA 12' Deep Type GDO Concrete Drainage Inlet Structure, 8" Wall Thickness .....	10,023.95	
33 42 31 00-0660 EA 14' Deep Type GDO Concrete Drainage Inlet Structure, 8" Wall Thickness .....	11,104.26	
33 42 31 00-0661 EA 16' Deep Type GDO Concrete Drainage Inlet Structure, 8" Wall Thickness .....	12,149.02	
33 42 31 00-0662 EA 18' Deep Type GDO Concrete Drainage Inlet Structure, 8" Wall Thickness .....	13,111.78	
33 42 31 00-0663 EA 20' Deep Type GDO Concrete Drainage Inlet Structure, 8" Wall Thickness .....	13,992.57	
<b>33 42 31 00-0664 Catch Basin Frames And Covers (33 42 31 00-0001)</b>		
<b>33 42 31 00-0665 Cast Iron Frames And Covers (33 42 31 00-0664)</b>		
33 42 31 00-0666 EA 18" Diameter Cast Iron Catch Basin Frame And Cover .....	781.87	103.89
33 42 31 00-0667 EA 22" Diameter Cast Iron Catch Basin Frame And Cover .....	988.56	117.39
33 42 31 00-0668 EA 24" Diameter Cast Iron Catch Basin Frame And Cover .....	1,118.89	121.55
33 42 31 00-0669 EA 26" Diameter Cast Iron Catch Basin Frame And Cover .....	1,260.85	141.29
33 42 31 00-0670 EA 28" Diameter Cast Iron Catch Basin Frame And Cover .....	1,478.08	161.02
33 42 31 00-0671 EA 32" Diameter Cast Iron Catch Basin Frame And Cover .....	2,356.52	168.30
33 42 31 00-0672 EA 16" x 16" Cast Iron Catch Basin Frame And Cover .....	1,277.76	127.78
33 42 31 00-0673 EA 18" x 24" Cast Iron Catch Basin Frame And Cover .....	1,665.59	147.53
33 42 31 00-0674 EA 20" x 27" Cast Iron Catch Basin Frame And Cover .....	1,883.21	153.75
33 42 31 00-0675 EA 23" x 23" Cast Iron Catch Basin Frame And Cover .....	1,779.55	153.75
33 42 31 00-0676 EA 24" x 24" Cast Iron Catch Basin Frame And Cover .....	1,839.30	159.99

**33 Utilities****33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 31 00-0677 EA 26" x 26" Cast Iron Catch Basin Frame And Cover .....	1,975.07	166.22
33 42 31 00-0678 EA 24" x 36" Cast Iron Catch Basin Frame And Cover .....	2,373.96	178.68
<b>33 42 31 00-0679 Area Yard Drain (33 42 31 00-0001)</b>		
<b>33 42 31 00-0680 Ductile Iron Grates (33 42 31 00-0679)</b>		
Note: Not for traffic loading.		
33 42 31 00-0681 EA 8" Diameter Ductile Iron Grate Adapter Necks Down To 4" and 6" Diameter Pipe .....	161.28	34.94
33 42 31 00-0682 EA 10" Diameter Ductile Iron Grate Adapters To 4", 6", or 8" Diameter Pipe .....	199.59	37.28
33 42 31 00-0683 EA 12" Diameter Ductile Iron Grate Adapters To 4" Through 12" Diameter Pipe .....	477.82	46.59
33 42 31 00-0684 EA 15" Diameter Ductile Iron Grate Adapters To 4" Through 12" Diameter Pipe .....	570.86	55.91
<b>33 42 33 Stormwater Curbside Drains and Inlets (33 42)</b>		
<b>33 42 33 00-0001 Curb Inlet Frames And Covers (33 42 33)</b>		
<b>33 42 33 00-0002 Cast Iron Curb Inlet Frames And Covers (33 42 33 00-0001)</b>		
33 42 33 00-0003 EA 20" x 22" Cast Iron Curb Inlet Frame And Cover .....	1,594.71	121.55
33 42 33 00-0004 EA 22" x 24" Cast Iron Curb Inlet Frame And Cover .....	1,705.21	141.29
33 42 33 00-0005 EA 24" x 24" Cast Iron Curb Inlet Frame And Cover .....	1,773.13	141.29
33 42 33 00-0006 EA 27" x 27" Cast Iron Curb Inlet Frame And Cover .....	1,941.72	166.22
33 42 33 00-0007 EA 36" x 24" Cast Iron Curb Inlet Frame And Cover .....	1,920.99	177.65
<b>33 42 36 Stormwater Trench Drains (33 42)</b>		
<b>33 42 36 00-0001 Modular Trench Drains (33 42 36)</b>		
See CSI section 03 31 13 00-0011 for concrete.		
<b>33 42 36 00-0002 Modular Trench Drains (33 42 36 00-0001)</b>		
Note: Excludes grates. See CSI section 33 42 36 00-0118 for grates.		
<b>33 42 36 00-0003 4" Wide, Modular Trench Drains (33 42 36 00-0002)</b>		
<b>33 42 36 00-0004 4 Wide, High Density Polyethylene, Shallow Modular Trench Drains (33 42 36 00-0003)</b>		
<b>33 42 36 00-0005 4 Wide, High Density Polyethylene, Shallow Modular Trench Drains (33 42 36 00-0004)</b>		
33 42 36 00-0006 LF 4" Wide, High Density Polyethylene, Shallow Modular Trench Drain (Zurn Z844-C) .....	66.21	16.62
For Extra Heavy Duty Frame Assembly With Anchor Studs And Grate Lockdown, Add	99.22	
For Galvanized Extra Heavy Duty Frame Assembly With Anchor Studs And Grate Lockdown, Add	198.45	
For Stainless Steel Extra Heavy Duty Frame Assembly With Anchor Studs And Grate Lockdown, Add	317.52	
For Type 304 Stainless Steel Top Veneer Frame, Add	79.38	
For Aluminum Veneer Bronze Anodized Frame, Add	39.69	
<b>33 42 36 00-0007 Outlet Adapters For 4 Wide, High Density Polyethylene, Shallow Modular Trench Drains (33 42 36 00-0004)</b>		
33 42 36 00-0008 EA Closed End Cap For 4" Wide, High Density Polyethylene, Shallow Modular Trench Drain .....	50.65	
33 42 36 00-0009 EA No-Hub End Outlet For 4" Wide, High Density Polyethylene, Shallow Modular Trench Drain .....	61.04	
33 42 36 00-0010 EA No-Hub Bottom Outlet For 4" Wide, High Density Polyethylene, Shallow Modular Trench Drain .....	61.04	
<b>33 42 36 00-0011 6" Wide, Modular Trench Drains (33 42 36 00-0002)</b>		
<b>33 42 36 00-0012 6" Wide, High Density Polyethylene, Modular Trench Drains (33 42 36 00-0011)</b>		
<b>33 42 36 00-0013 6" Wide, High Density Polyethylene, Modular Trench Drains (33 42 36 00-0012)</b>		
33 42 36 00-0014 LF 6" Wide, High Density Polyethylene, Modular Trench Drain .....	202.96	16.62
For Extra Heavy Duty Frame Assembly With Anchor Studs And Grate Lockdown, Add	99.22	
For Galvanized Extra Heavy Duty Frame Assembly With Anchor Studs And Grate Lockdown, Add	198.45	
For Stainless Steel Extra Heavy Duty Frame Assembly With Anchor Studs And Grate Lockdown, Add	317.52	
For Type 304 Stainless Steel Top Veneer Frame, Add	79.38	
For Aluminum Veneer Bronze Anodized Frame, Add	39.69	
<b>33 42 36 00-0015 Outlet Adapters For 6" Wide, High Density Polyethylene, Modular Trench Drains (33 42 36 00-0012)</b>		
33 42 36 00-0016 EA Closed End Cap For 6" Wide, High Density Polyethylene, Modular Trench Drains .....	92.22	
33 42 36 00-0017 EA No-Hub End Outlet For 6" Wide, High Density Polyethylene, Modular Trench Drains .....	102.61	
33 42 36 00-0018 EA No-Hub Bottom Outlet For 6" Wide, High Density Polyethylene, Modular Trench Drains .....	102.61	
<b>33 42 36 00-0019 Other Fittings For 6" Wide, High Density Polyethylene, Modular Trench Drains (33 42 36 00-0012)</b>		
33 42 36 00-0020 EA Bottom Dome Strainer For 6" Wide, High Density Polyethylene, Modular Trench Drains .....	178.31	
33 42 36 00-0021 EA Joint Connector For 6" Wide, High Density Polyethylene, Modular Trench Drains .....	178.31	
33 42 36 00-0022 EA 90 Degree, 45 Degree, Tee Or Side Outlet Charge For 6" Wide, High Density Polyethylene, Modular Trench Drains .....	845.74	
33 42 36 00-0023 EA Cross For 6" Wide, High Density Polyethylene, Modular Trench Drains .....	1,639.54	
33 42 36 00-0024 EA Cutting Charge For 6" Wide, High Density Polyethylene, Modular Trench Drains .....	198.45	



	<b>Utilities</b>	<b>33</b>	
	Stormwater Utilities	33 40	33
	Stormwater Conveyance	33 42	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 36 00-0025 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains (33 42 36 00-0011)		
33 42 36 00-0026 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains (33 42 36 00-0025)		
33 42 36 00-0027 LF 6" Wide, Fiber Reinforced Polyester, Modular Trench Drain ..... <i>For Black Acid Resistant Coated Frame, Add</i> <i>For Galvanized Top Frame Assembly, Add</i> <i>For Type 304 Stainless Steel Top Frame Assembly, Add</i>	296.23 75.41 75.41 277.83	16.62
33 42 36 00-0028 Outlet Adapters For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains (33 42 36 00-0025)		
33 42 36 00-0029 EA Closed End Cap For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains .....	100.16	
33 42 36 00-0030 EA No-Hub End Outlet For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains .....	110.55	
33 42 36 00-0031 EA No-Hub Bottom Outlet For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains .....	110.55	
33 42 36 00-0032 Other Fittings For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains (33 42 36 00-0025)		
33 42 36 00-0033 EA Bottom Dome Strainer For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains .....	178.31	
33 42 36 00-0034 EA Joint Connector For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains .....	178.31	
33 42 36 00-0035 EA 90 Degree, 45 Degree, Tee Or Side Outlet For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains .....	845.74	
33 42 36 00-0036 EA Cross For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains .....	1,639.54	
33 42 36 00-0037 EA Cutting Charge For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains .....	198.45	
33 42 36 00-0038 6" Wide, Vinylester Fiberglass, Modular Trench Drains (33 42 36 00-0011)		
33 42 36 00-0039 6" Wide, Vinylester Fiberglass, Modular Trench Drains (33 42 36 00-0038)		
33 42 36 00-0040 LF 6" Wide, Vinylester Fiberglass, Modular Trench Drain ..... <i>For Black Acid Resistant Coated Frame, Add</i> <i>For Galvanized Top Frame Assembly, Add</i> <i>For Type 304 Stainless Steel Top Frame Assembly, Add</i>	383.55 75.41 75.41 277.83	16.62
33 42 36 00-0041 Outlet Adapters For 6" Wide, Vinylester Fiberglass, Modular Trench Drains (33 42 36 00-0038)		
33 42 36 00-0042 EA Closed End Cap For 6" Wide, Vinylester Fiberglass, Modular Trench Drains .....	163.66	
33 42 36 00-0043 EA No-Hub End Outlet For 6" Wide, Vinylester Fiberglass, Modular Trench Drains .....	174.05	
33 42 36 00-0044 EA No-Hub Bottom Outlet For 6" Wide, Vinylester Fiberglass, Modular Trench Drains .....	174.05	
33 42 36 00-0045 Other Fittings For 6" Wide, Vinylester Fiberglass, Modular Trench Drains (33 42 36 00-0038)		
33 42 36 00-0046 EA Bottom Dome Strainer For 6" Wide, Vinylester Fiberglass, Modular Trench Drains .....	178.31	
33 42 36 00-0047 EA Joint Connector For 6" Wide, Vinylester Fiberglass, Modular Trench Drains .....	178.31	
33 42 36 00-0048 EA 90 Degree, 45 Degree, Tee Or Side Outlet For 6" Wide, Vinylester Fiberglass, Modular Trench Drains .....	845.74	
33 42 36 00-0049 EA Cross For 6" Wide, Vinylester Fiberglass, Modular Trench Drains .....	1,639.54	
33 42 36 00-0050 EA Cutting Charge For 6" Wide, Vinylester Fiberglass, Modular Trench Drains .....	198.45	
33 42 36 00-0051 6" Wide, Polymer Concrete, Modular Trench Drains (33 42 36 00-0011)		
33 42 36 00-0052 6" Wide, Polymer Concrete, Modular Trench Drains (33 42 36 00-0051)		
33 42 36 00-0053 LF 6" Wide, Polymer Concrete, Modular Trench Drain .....	473.51	
33 42 36 00-0054 Outlet Adapters For 6" Wide, Polymer Concrete, Modular Trench Drains (33 42 36 00-0051)		
33 42 36 00-0055 EA Closed End Cap For 6" Wide, Polymer Concrete, Modular Trench Drain .....	187.22	
33 42 36 00-0056 EA No-Hub End Outlet For 6" Wide, Polymer Concrete, Modular Trench Drain .....	227.64	
33 42 36 00-0057 EA No-Hub Bottom Outlet For 6" Wide, Polymer Concrete, Modular Trench Drain .....	70.46	
33 42 36 00-0058 12" Wide, Modular Trench Drains (33 42 36 00-0002)		
33 42 36 00-0059 12" Wide, High Density Polyethylene, Modular Trench Drains (33 42 36 00-0058)		
33 42 36 00-0060 12" Wide, High Density Polyethylene, Modular Trench Drains (33 42 36 00-0059)		
33 42 36 00-0061 LF 12" Wide, High Density Polyethylene, Modular Trench Drain ..... <i>For Acid Resistant Coated Top Frame, Add</i> <i>For Galvanized Welded Frame Assembly, Add</i> <i>For Type 304 Stainless Steel Top Frame, Add</i>	383.06 103.19 108.16 619.16	22.85
33 42 36 00-0062 Outlet Adapters For 12" Wide, High Density Polyethylene, Modular Trench Drains (33 42 36 00-0059)		
33 42 36 00-0063 EA End Cap For 12" Wide, High Density Polyethylene, Modular Trench Drains .....	190.44	
33 42 36 00-0064 EA No-Hub End Outlet For 12" Wide, High Density Polyethylene, Modular Trench Drains .....	204.28	
33 42 36 00-0065 EA No-Hub Bottom Outlet For 12" Wide, High Density Polyethylene, Modular Trench Drains .....	204.28	

<b>33</b>	<b>33 Utilities</b>
	<b>33 40 Stormwater Utilities</b>
	<b>33 42 Stormwater Conveyance</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>33 42 36 00-0066 Other Fittings For 12" Wide, High Density Polyethylene, Modular Trench Drains</b> (33 42 36 00-0059)		
33 42 36 00-0067 EA Bottom Dome Strainer For 12" Wide, High Density Polyethylene, Modular Trench Drains.....	318.99	
33 42 36 00-0068 EA Joint Connector For 12" Wide, High Density Polyethylene, Modular Trench Drains.....	418.21	
33 42 36 00-0069 EA 90 Degree, 45 Degree, Tee Or Side Outlet For 12" Wide, High Density Polyethylene, Modular Trench Drains.....	1,667.52	
33 42 36 00-0070 EA Cross For 12" Wide, High Density Polyethylene, Modular Trench Drains.....	3,255.12	
33 42 36 00-0071 EA Cutting Charges For 12" Wide, High Density Polyethylene, Modular Trench Drains.....	396.90	
<b>33 42 36 00-0072 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains</b> (33 42 36 00-0058)		
<b>33 42 36 00-0073 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains</b> (33 42 36 00-0072)		
33 42 36 00-0074 LF 12" Wide, Fiber Reinforced Polyester, Modular Trench Drain.....	482.29	22.85
For Acid Resistant Coated Top Frame, Add	103.19	
For Galvanized Welded Frame Assembly, Add	108.16	
For Type 304 Stainless Steel Top Frame, Add	619.16	
<b>33 42 36 00-0075 Outlet Adapters For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains</b> (33 42 36 00-0072)		
33 42 36 00-0076 EA End Cap For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains.....	198.38	
33 42 36 00-0077 EA No-Hub End Outlet For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains.....	212.22	
33 42 36 00-0078 EA No-Hub Bottom Outlet For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains.....	212.22	
<b>33 42 36 00-0079 Other Fittings For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains</b> (33 42 36 00-0072)		
33 42 36 00-0080 EA Bottom Dome Strainer For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains.....	318.99	
33 42 36 00-0081 EA Joint Connector For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains.....	418.21	
33 42 36 00-0082 EA 90 Degree, 45 Degree, Tee Or Side Outlet For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains.....	1,667.52	
33 42 36 00-0083 EA Cross For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains.....	3,255.12	
33 42 36 00-0084 EA Cutting Charges For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains.....	396.90	
<b>33 42 36 00-0085 12" Wide, Vinylester Fiberglass, Modular Trench Drains</b> (33 42 36 00-0050)		
<b>33 42 36 00-0086 12" Wide, Vinylester Fiberglass, Modular Trench Drains</b> (33 42 36 00-0085)		
33 42 36 00-0087 LF 12" Wide, Vinylester Fiberglass, Modular Trench Drain.....	680.74	22.85
For Acid Resistant Coated Top Frame, Add	103.19	
For Galvanized Welded Frame Assembly, Add	108.16	
For Type 304 Stainless Steel Top Frame, Add	619.16	
<b>33 42 36 00-0088 Outlet Adapters For 12" Wide, Vinylester Fiberglass, Modular Trench Drains</b> (33 42 36 00-0085)		
33 42 36 00-0089 EA End Cap For 12" Wide, Vinylester Fiberglass, Modular Trench Drains.....	496.05	
33 42 36 00-0090 EA No-Hub End Outlet For 12" Wide, Vinylester Fiberglass, Modular Trench Drains.....	509.89	
33 42 36 00-0091 EA No-Hub Bottom Outlet For 12" Wide, Vinylester Fiberglass, Modular Trench Drains.....	509.89	
<b>33 42 36 00-0092 Other Fittings For 12" Wide, Vinylester Fiberglass, Modular Trench Drains</b> (33 42 36 00-0085)		
33 42 36 00-0093 EA Bottom Dome Strainer For 12" Wide, Vinylester Fiberglass, Modular Trench Drains.....	318.99	
33 42 36 00-0094 EA Joint Connector For 12" Wide, Vinylester Fiberglass, Modular Trench Drains.....	418.21	
33 42 36 00-0095 EA 90 Degree, 45 Degree, Tee Or Side Outlet For 12" Wide, Vinylester Fiberglass, Modular Trench Drains.....	1,667.52	
33 42 36 00-0096 EA Cross For 12" Wide, Vinylester Fiberglass, Modular Trench Drains.....	3,255.12	
33 42 36 00-0097 EA Cutting Charges For 12" Wide, Vinylester Fiberglass, Modular Trench Drains.....	396.90	
<b>33 42 36 00-0098 12" Wide, Polymer Concrete, Modular Trench Drains</b> (33 42 36 00-0050)		
<b>33 42 36 00-0099 12" Wide, Polymer Concrete, Modular Trench Drains</b> (33 42 36 00-0090)		
33 42 36 00-0100 LF 12" Wide, Polymer Concrete, Modular Trench Drain.....	635.13	
<b>33 42 36 00-0101 Outlet Adapters For 12" Wide, Polymer Concrete, Modular Trench Drains</b> (33 42 36 00-0090)		
33 42 36 00-0102 EA Closed End Cap For 12" Wide, Polymer Concrete, Modular Trench Drain.....	319.02	
33 42 36 00-0103 EA No-Hub End Outlet For 12" Wide, Polymer Concrete, Modular Trench Drain.....	550.11	
33 42 36 00-0104 EA No-Hub Bottom Outlet For 12" Wide, Polymer Concrete, Modular Trench Drain.....	124.66	
<b>33 42 36 00-0105 23" Wide, Modular Trench Drains</b> (33 42 36 00-0002)		
<b>33 42 36 00-0106 23" Wide, High Density Polyethylene, Modular Trench Drains</b> (33 42 36 00-0105)		
<b>33 42 36 00-0107 23" Wide, High Density Polyethylene, Modular Trench Drains</b> (33 42 36 00-0106)		
33 42 36 00-0108 LF 23" Wide, High Density Polyethylene, Modular Trench Drain.....	537.22	31.17
For Acid Resistant Coated Frame, Add	154.79	
For Galvanized Frame Assembly, Add	154.79	
For Type 304 Stainless Steel Top Frame, Add	952.56	



<b>Utilities</b>	<b>33</b>	<b>CS</b>
Stormwater Utilities	33 40	
Stormwater Conveyance	33 42	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 42 36 00-0109	<b>Outlet Adapters For 23" Wide, High Density Polyethylene, Modular Trench Drains</b> <small>(33 42 36 00-0106)</small>	
33 42 36 00-0110	EA	End Cap For 23" Wide, High Density Polyethylene, Modular Trench Drains..... 608.48
33 42 36 00-0111	EA	No-Hub End Outlet For 23" Wide, High Density Polyethylene, Modular Trench Drains..... 886.15
33 42 36 00-0112	EA	No-Hub Bottom Outlet For 23" Wide, High Density Polyethylene, Modular Trench Drains..... 886.15

33 42 36 00-0113	<b>Other Fittings For 23" Wide, High Density Polyethylene, Modular Trench Drains</b> <small>(33 42 36 00-0106)</small>	
33 42 36 00-0114	EA	Bottom Dome Strainer For 23" Wide, High Density Polyethylene, Modular Trench Drains..... 725.74
33 42 36 00-0115	EA	90 Degree, 45 Degree, Tee Or Side Outlet For 23" Wide, High Density Polyethylene, Modular Trench Drains..... 3,305.04
33 42 36 00-0116	EA	Cross For 23" Wide, High Density Polyethylene, Modular Trench Drains..... 6,480.24
33 42 36 00-0117	EA	Cutting Charges For 23" Wide, High Density Polyethylene, Modular Trench Drains..... 793.80

33 42 36 00-0118	<b>Modular Trench Drain Grates</b> <small>(33 42 36 00-0001)</small>	
33 42 36 00-0119	<b>4" Wide, Modular Trench Drain Grates</b> <small>(33 42 36 00-0118)</small>	
33 42 36 00-0120	LF	4" Wide, Polypropylene, Silver Heel Proof, Modular Trench Drain Grate (Zurn Z884-P4-HPP) ..... 43.28
33 42 36 00-0121	LF	4" Wide, Class C Cast Iron, Modular Trench Drain Grate (Zurn Z884-P4-CG)..... 45.52
33 42 36 00-0122	LF	4" Wide, Galvanized Steel Slotted, Modular Trench Drain Grate (Zurn Z884-P4-FG)..... 36.56
33 42 36 00-0123	LF	4" Wide, Stainless Steel Slotted, Modular Trench Drain Grate (Zurn Z884-P4-FS)..... 98.17
33 42 36 00-0124	LF	4" Wide, Galvanized Steel Perforated, Modular Trench Drain Grate (Zurn Z884-P4-FG)..... 36.56
33 42 36 00-0125	LF	4" Wide, Stainless Steel Perforated, Modular Trench Drain Grate (Zurn Z884-P4-FS) ..... 98.17

33 42 36 00-0126	<b>6" Wide, Modular Trench Drain Grates</b> <small>(33 42 36 00-0118)</small>	
33 42 36 00-0127	LF	6" Wide, Galvanized Ductile Iron Cast Bar, Modular Trench Drain Grate ..... 195.70
33 42 36 00-0128	LF	6" Wide, Ductile Iron Cast Bar, Modular Trench Drain Grate..... 165.74
33 42 36 00-0129	LF	6" Wide, Ductile Iron Solid Cover, Modular Trench Drain Grate ..... 174.07
33 42 36 00-0130	LF	6" Wide, Ductile Iron Slotted, Modular Trench Drain Grate..... 152.04
33 42 36 00-0131	LF	6" Wide, Galvanized Ductile Iron Slotted, Modular Trench Drain Grate..... 163.95
33 42 36 00-0132	LF	6" Wide, Heel Proof Ductile Iron, Modular Trench Drain Grate ..... 165.93
33 42 36 00-0133	LF	6" Wide, Ductile Iron Longitudinal Slotted, Modular Trench Drain Grate ..... 165.93
33 42 36 00-0134	LF	6" Wide, Galvanized Cast Iron Slotted, Modular Trench Drain Grate ..... 163.95
33 42 36 00-0135	LF	6" Wide, Galvanized Steel Slotted, Modular Trench Drain Grate..... 144.11
33 42 36 00-0136	LF	6" Wide, Perforated Galvanized Steel, Modular Trench Drain Grate ..... 144.11
33 42 36 00-0137	LF	6" Wide, Reinforced Galvanized Steel Slotted, Modular Trench Drain Grate ..... 153.23
33 42 36 00-0138	LF	6" Wide, Reinforced Perforated Galvanized Steel, Modular Trench Drain Grate..... 153.23
33 42 36 00-0139	LF	6" Wide, Fabricated Stainless Steel Slotted, Modular Trench Drain Grate ..... 199.67
33 42 36 00-0140	LF	6" Wide, Perforated Stainless Steel, Modular Trench Drain Grate ..... 199.67
33 42 36 00-0141	LF	6" Wide, Reinforced Stainless Steel Slotted, Modular Trench Drain Grate ..... 366.37
33 42 36 00-0142	LF	6" Wide, Reinforced Perforated Stainless Steel, Modular Trench Drain Grate ..... 366.37
33 42 36 00-0143	LF	6" Wide, Stainless Steel Bar, Modular Trench Drain Grate..... 1,021.25
33 42 36 00-0144	LF	6" Wide, Heel Proof Polyethylene, Modular Trench Drain Grate ..... 136.17
33 42 36 00-0145	LF	6" Wide, Fiberglass, Modular Trench Drain Grate ..... 294.93

33 42 36 00-0146	<b>12" Wide, Modular Trench Drain Grates</b> <small>(33 42 36 00-0118)</small>	
33 42 36 00-0147	LF	12" Wide, Black Acid Resistant Coated Ductile Iron, Modular Trench Drain Grate ..... 541.53
33 42 36 00-0148	LF	12" Wide, Ductile Iron Solid Cover, Modular Trench Drain Grate ..... 517.71
33 42 36 00-0149	LF	12" Wide, Galvanized Ductile Iron Slotted, Modular Trench Drain Grate..... 450.24
33 42 36 00-0150	LF	12" Wide, Heel Proof Ductile Iron, Modular Trench Drain Grate..... 473.06
33 42 36 00-0151	LF	12" Wide, Perforated Galvanized Steel, Modular Trench Drain Grate ..... 408.56
33 42 36 00-0152	LF	12" Wide, Reinforced Galvanized Steel Slotted, Modular Trench Drain Grate ..... 800.50
33 42 36 00-0153	LF	12" Wide, Reinforced Perforated Galvanized Steel, Modular Trench Drain Grate..... 800.50
33 42 36 00-0154	LF	12" Wide, Fabricated Stainless Steel Slotted, Modular Trench Drain Grate ..... 1,021.77
33 42 36 00-0155	LF	12" Wide, Perforated Stainless Steel, Modular Trench Drain Grate ..... 1,021.77
33 42 36 00-0156	LF	12" Wide, Reinforced Stainless Steel Slotted, Modular Trench Drain Grate..... 1,304.57
33 42 36 00-0157	LF	12" Wide, Reinforced Perforated Stainless Steel Slotted, Modular Trench Drain Grate..... 1,304.57
33 42 36 00-0158	LF	12" Wide, Stainless Steel Cast Bar, Modular Trench Drain Grate ..... 1,238.08
33 42 36 00-0159	LF	12" Wide, Fiberglass, Modular Trench Drain Grate ..... 584.19

33 42 36 00-0160	<b>23" Wide, Modular Trench Drain Grates</b> <small>(33 42 36 00-0118)</small>	
33 42 36 00-0161	LF	23" Wide, Ductile Iron Solid Cover, Modular Trench Drain Grate ..... 855.61
33 42 36 00-0162	LF	23" Wide, Ductile Iron Slotted, Modular Trench Drain Grate..... 720.66
33 42 36 00-0163	LF	23" Wide, Galvanized Ductile Iron Slotted, Modular Trench Drain Grate..... 1,117.56
33 42 36 00-0164	LF	23" Wide, Heel Proof Longitudinal Ductile Iron, Modular Trench Drain Grate..... 827.82

**33 44 Storm Utility Water Drains** (33 40)  
**33 44 36 Oil and Stormwater Separators** (33 44)  
 33 44 36 00-0001 Oil/Water Separator (33 44 36)  
 Note: Complete with internal sensors and detectors.

**33 Utilities****33 40 Stormwater Utilities****33 44 Storm Utility Water Drains**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

33 44 36 00-0002		<b>Coalescing Oil Water Separator</b> <small>(33 44 36 00-0001)</small>	
		Note: Underground tank with interior polyurethane coating. Includes manways, coalescer, inlet and outlet spools, pump mount, 2" level sensor pipe and 4" pump out pipe. HighGuard as manufactured by Highland Tank, Stoystown, PA.	
33 44 36 00-0003		<b>Single Wall Steel Coalescing Oil Water Separator</b> <small>(33 44 36 00-0002)</small>	
33 44 36 00-0004	EA	550 Gallon, 55 GPM Single Wall Steel Coalescing Oil Water Separator With Manways .....	18,894.19
		Note: HTC-G 550. 3'-6" diameter x 10'-9" long tank.	
		<i>For Interior Polyurethane Coating, Add</i>	711.00
33 44 36 00-0005	EA	1,000 Gallon, 100 GPM Single Wall Steel Coalescing Oil Water Separator With Manways .....	23,112.51
		Note: HTC-G 1000. 4' diameter x 14' long tank.	
		<i>For Interior Polyurethane Coating, Add</i>	893.70
33 44 36 00-0006	EA	2,000 Gallon, 200 GPM Single Wall Steel Coalescing Oil Water Separator With Manways .....	27,673.21
		Note: HTC-G 2000. 5'-4" diameter x 15' long tank.	
		<i>For Interior Polyurethane Coating, Add</i>	1,340.10
33 44 36 00-0007		<b>Double Wall Steel Coalescing Oil Water Separator</b> <small>(33 44 36 00-0002)</small>	
33 44 36 00-0008	EA	550 Gallon, 55 GPM Double Wall Steel Coalescing Oil Water Separator With Manways .....	29,335.21
		Note: HTC-G 550. 3'-6" diameter x 10'-9" long tank.	
		<i>For Interior Polyurethane Coating, Add</i>	711.00
33 44 36 00-0009	EA	1,000 Gallon, 100 GPM Double Wall Steel Coalescing Oil Water Separator With Manways.....	33,737.42
		Note: HTC-G 1000. 4' diameter x 14' long tank.	
		<i>For Interior Polyurethane Coating, Add</i>	893.70
33 44 36 00-0010	EA	2,000 Gallon, 200 GPM Double Wall Steel Coalescing Oil Water Separator With Manways.....	41,194.98
		Note: HTC-G 2000. 5'-4" diameter x 15' long tank.	
		<i>For Interior Polyurethane Coating, Add</i>	1,340.10
33 44 36 00-0011	EA	3,000 Gallon, 300 GPM Double Wall Steel Coalescing Oil Water Separator With Manways.....	47,943.88
		Note: HTC-G 3000. 5'-4" diameter x 21'-4" long tank.	
		<i>For Interior Polyurethane Coating, Add</i>	1,550.70
33 44 36 00-0012	EA	5,000 Gallon, 500 GPM Double Wall Steel Coalescing Oil Water Separator With Manways.....	63,645.13
		Note: HTC-G 5000. 6' diameter x 28'-8" long tank.	
		<i>For Interior Polyurethane Coating, Add</i>	2,057.80
33 44 36 00-0013		<b>Accessories For Coalescing Oil Water Separators</b> <small>(33 44 36 00-0002)</small>	
33 44 36 00-0014	EA	Single Channel Alarm Panel For Coalescing Oil Water Separator .....	1,110.04
		Note: HTAP1.	
33 44 36 00-0015	EA	Two Channel Alarm Panel For Coalescing Oil Water Separator.....	1,516.63
		Note: HTAP2.	
33 44 36 00-0016	EA	Float Interface Sensor For Coalescing Oil Water Separator .....	916.46
		Note: Required for UL 2215 label.	
33 44 36 00-0017	EA	1-1/2" Liquid Only Sensor For Coalescing Oil Water Separator.....	668.62
		Note: Required for UL 2215 label.	
33 44 36 00-0018	EA	Polyvinyl Chloride (PVC) Cap For 2" Sensor For Coalescing Oil Water Separator.....	203.92
		Note: Required for UL 2215 label.	
33 44 36 00-0019	EA	550, 1,000 Or 2,000 Gallon Tank Concrete Deadmen Set (2 Each) For Coalescing Oil Water Separator .....	4,005.32
33 44 36 00-0020	EA	3,000 Gallon Tank Concrete Deadmen Set (4 Each) For Coalescing Oil Water Separator .....	8,010.65
33 44 36 00-0021	EA	5,000 Gallon Tank Concrete Deadmen Set (6 Each) For Coalescing Oil Water Separator .....	12,016.06
33 44 36 00-0022	EA	550 Or 1,000 Gallon Tank Polyester Hold Down Straps (2 Each) With Galvanized Turnbuckle And Clamps For Coalescing Oil Water Separator .....	712.53
33 44 36 00-0023	EA	2,000 Gallon Tank Polyester Hold Down Straps (2 Each) With Galvanized Turnbuckle And Clamps For Coalescing Oil Water Separator .....	844.71
33 44 36 00-0024	EA	3,000 Gallon Tank Polyester Hold Down Straps (4 Each) With Galvanized Turnbuckle And Clamps For Coalescing Oil Water Separator .....	1,689.42
33 44 36 00-0025	EA	5,000 Gallon Tank Polyester Hold Down Straps (6 Each) With Galvanized Turnbuckle And Clamps For Coalescing Oil Water Separator .....	3,773.35
33 44 36 00-0026	EA	30" Diameter Grade Level Manway For Coalescing Oil Water Separator.....	1,022.33
		Note: Required when installed in paved areas.	
33 44 36 00-0027	EA	36" Diameter Grade Level Manway For Coalescing Oil Water Separator.....	1,335.48
		Note: Required when installed in paved areas.	
33 44 36 00-0028	EA	48" Diameter Grade Level Manway For Coalescing Oil Water Separator.....	1,855.16
		Note: Required when installed in paved areas.	
33 44 36 00-0029	EA	54" x 54" Grade Level Manway For Coalescing Oil Water Separator .....	3,400.02
		Note: Required when installed in paved areas.	
33 44 36 00-0030	EA	66" x 54" Grade Level Manway For Coalescing Oil Water Separator .....	4,378.98
		Note: Required when installed in paved areas.	
33 44 36 00-0031	EA	66" x 66" Grade Level Manway For Coalescing Oil Water Separator .....	5,502.52
		Note: Required when installed in paved areas.	
33 44 36 00-0032	EA	78" x 66" Grade Level Manway For Coalescing Oil Water Separator .....	6,944.11
		Note: Required when installed in paved areas.	
33 44 36 00-0033	EA	550 Gallon Petroscreen (Material Only) For Coalescing Oil Water Separator .....	1,377.57
33 44 36 00-0034	EA	1,000 Gallon Petroscreen (Material Only) For Coalescing Oil Water Separator .....	1,679.11
33 44 36 00-0035	EA	2,000 Gallon Petroscreen (Material Only) For Coalescing Oil Water Separator .....	2,637.41
33 44 36 00-0036	EA	550 Gallon Corrugated Coalescer Plate (Material Only) For Coalescing Oil Water Separator .....	1,313.54
33 44 36 00-0037	EA	1,000 Gallon Corrugated Coalescer Plate (Material Only) For Coalescing Oil Water Separator .....	1,594.43
33 44 36 00-0038	EA	2,000 Gallon Corrugated Coalescer Plate (Material Only) For Coalescing Oil Water Separator .....	1,891.83
33 44 36 00-0039	EA	18" Manhole Gasket (Material Only) For Coalescing Oil Water Separator .....	111.53
33 44 36 00-0040	EA	24" Manhole Gasket (Material Only) For Coalescing Oil Water Separator .....	125.98
33 44 36 00-0041		<b>Oil Skimmers</b> <small>(33 44 36)</small>	



	<b>Utilities</b>	<b>33</b>	<b>CS</b>
	<b>Stormwater Utilities</b>	<b>33 40</b>	
	<b>Storm Utility Water Drains</b>	<b>33 44</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>33 44 36 00-0042</b>	<b>Oil Skimmers, 12" And 24" Models</b> <small>(33 44 36 00-0041)</small>		
33 44 36 00-0043	EA Oil Skimmers, TENV, 12" Open, 1/2 HP, 230/460 Volt, 3 Phase.....	5,069.10	609.99
33 44 36 00-0044	EA Oil Skimmers, Explosion-Proof, 12" Open, 1/2 HP, 230/460 Volt, 3 Phase.....	5,304.90	609.99
33 44 36 00-0045	EA Oil Skimmers, TENV, 12" Open, 1/2 HP, 115/220 Volt, 1 Phase.....	5,090.94	609.99
33 44 36 00-0046	EA Oil Skimmers, Explosion-Proof, 12" Open, 1/2 HP, 115/220 Volt, 1 Phase.....	5,393.32	609.99
33 44 36 00-0047	EA Oil Skimmers, TENV, 12" Enclosed, 1/2 HP, 230/460 Volt, 3 Phase.....	5,338.74	609.99
33 44 36 00-0048	EA Oil Skimmers, Explosion-Proof, 12" Enclosed, 1/2 HP, 230/460 Volt, 3 Phase.....	5,538.51	609.99
33 44 36 00-0049	EA Oil Skimmers, TENV, 12" Enclosed, 1/2 HP, 115/220 Volt, 1 Phase.....	5,390.04	609.99
33 44 36 00-0050	EA Oil Skimmers, Explosion-Proof, 12" Enclosed, 1/2 HP, 115/220 Volt, 1 Phase.....	5,691.34	609.99
33 44 36 00-0051	EA Oil Skimmers, TENV, 24" Open, 1/2 HP, 230/460 Volt, 3 Phase.....	5,729.28	813.50
33 44 36 00-0052	EA Oil Skimmers, Explosion-Proof, 24" Open, 1/2 HP, 230/460 Volt, 3 Phase.....	5,981.45	813.50
33 44 36 00-0053	EA Oil Skimmers, TENV, 24" Open, 1/2 HP, 115/220 Volt, 1 Phase.....	5,795.87	813.50
33 44 36 00-0054	EA Oil Skimmers, Explosion-Proof, 24" Open, 1/2 HP, 115/220 Volt, 1 Phase.....	6,158.30	813.50
33 44 36 00-0055	EA Oil Skimmers, TENV, 24" Enclosed, 1/2 HP, 230/460 Volt, 3 Phase.....	6,366.80	813.50
33 44 36 00-0056	EA Oil Skimmers, Explosion-Proof, 24" Enclosed, 1/2 HP, 230/460 Volt, 3 Phase.....	6,618.97	813.50
33 44 36 00-0057	EA Oil Skimmers, TENV, 24" Enclosed, 1/2 HP, 115/220 Volt, 1 Phase.....	6,420.29	813.50
33 44 36 00-0058	EA Oil Skimmers, Explosion-Proof, 24" Enclosed, 1/2 HP, 115/220 Volt, 1 Phase.....	6,783.81	813.50

<b>33 44 36 00-0059</b>	<b>Oil Skimmers, Add-Ons</b> <small>(33 44 36 00-0041)</small>		
33 44 36 00-0060	LF Add For Belt Projection, 12" Width.....	16.37	
33 44 36 00-0061	LF Add For Belt Projection, 24" Width.....	30.57	
33 44 36 00-0062	LF Add For Spacer Stands, 12" Models.....	263.21	
33 44 36 00-0063	LF Add For Spacer Stands, 24" Models.....	311.24	

**33 46 Stormwater Management** (33 40)

**33 46 23 Modular Buried Stormwater Storage Units** (33 46)

<b>33 46 23 00-0001</b>	<b>Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™)</b> <small>(33 46 23)</small>		
	Note: Includes chambers and end caps delivery to site. Excludes excavation and earthwork, foundation stone, embedment and perimeter stone, geotextile fabrics and cutting holes in chambers. See CSI section 31 05 16 00-0000 for aggregate (foundation, embedment and perimeter stone), 31 23 16 36-0000 for excavation and earth backfill, 31 32 19 16-0000 for woven and non-woven geotextile fabric.		
<b>33 46 23 00-0002</b>	<b>85.4" Long x 51" Wide x 30" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ SC-740)</b> <small>(33 46 23 00-0001)</small>		
33 46 23 00-0003	EA Up To 10, 85.4" Long x 51" Wide x 30" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ SC-740).....	569.06	
33 46 23 00-0004	EA >10 To 20, 85.4" Long x 51" Wide x 30" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ SC-740).....	526.80	
33 46 23 00-0005	EA >20 To 30, 85.4" Long x 51" Wide x 30" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ SC-740).....	495.55	
33 46 23 00-0006	EA >30, 85.4" Long x 51" Wide x 30" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ SC-740).....	465.36	
33 46 23 00-0007	EA Up To 10, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ SC-740).....	227.33	
33 46 23 00-0008	EA >10 To 20, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ SC-740).....	202.16	
33 46 23 00-0009	EA >20 To 30, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ SC-740).....	187.14	
33 46 23 00-0010	EA >30, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ SC-740).....	172.37	
<b>33 46 23 00-0011</b>	<b>85.4" Long x 34" Wide x 16" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ SC-310)</b> <small>(33 46 23 00-0001)</small>		
33 46 23 00-0012	EA Up To 10, 85.4" Long x 34" Wide x 16" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ SC-310).....	319.38	
33 46 23 00-0013	EA >10 To 20, 85.4" Long x 34" Wide x 16" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ SC-310).....	293.60	
33 46 23 00-0014	EA >20 To 30, 85.4" Long x 34" Wide x 16" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ SC-310).....	275.22	
33 46 23 00-0015	EA >30, 85.4" Long x 34" Wide x 16" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ SC-310).....	258.36	
33 46 23 00-0016	EA Up To 10, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ SC-310).....	176.77	
33 46 23 00-0017	EA >10 To 20, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ SC-310).....	158.10	
33 46 23 00-0018	EA >20 To 30, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ SC-310).....	146.48	
33 46 23 00-0019	EA >30, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ SC-310).....	136.05	
<b>33 46 23 00-0020</b>	<b>90" Long x 77" Wide x 45" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ MC3500)</b> <small>(33 46 23 00-0001)</small>		
33 46 23 00-0021	EA Up To 10, 90" Long x 77" Wide x 45" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ MC3500).....	978.35	
33 46 23 00-0022	EA >10 To 20, 90" Long x 77" Wide x 45" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ MC3500).....	913.93	
33 46 23 00-0023	EA >20 To 30, 90" Long x 77" Wide x 45" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ MC3500).....	861.46	
33 46 23 00-0024	EA >30, 90" Long x 77" Wide x 45" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ MC3500).....	813.46	

<b>33</b>	<b>33 Utilities</b>
	<b>33 40 Stormwater Utilities</b>
	<b>33 46 Stormwater Management</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 46 23 00-0025 EA Up To 10, 25.7" Long x 75" Wide x 45" High, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ MC3500).....	821.14	
33 46 23 00-0026 EA >10 To 20, 25.7" Long x 75" Wide x 45" High, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ MC3500).....	764.56	
33 46 23 00-0027 EA >20 To 30, 25.7" Long x 75" Wide x 45" High, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ MC3500).....	719.57	
33 46 23 00-0028 EA >30, 25.7" Long x 75" Wide x 45" High, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ MC3500).....	678.67	
<b>33 46 23 00-0029 85.4" Long x 51" Wide x 30" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ DC-780) (33 46 23 00-0001)</b>		
33 46 23 00-0030 EA Up To 10, 85.4" Long x 51" Wide x 30" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ DC-780).....	591.60	
33 46 23 00-0031 EA >10 To 20, 85.4" Long x 51" Wide x 30" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ DC-780).....	548.24	
33 46 23 00-0032 EA >20 To 30, 85.4" Long x 51" Wide x 30" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ DC-780).....	515.90	
33 46 23 00-0033 EA >30, 85.4" Long x 51" Wide x 30" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ DC-780).....	484.68	
33 46 23 00-0034 EA Up To 10, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ DC-780).....	227.33	
33 46 23 00-0035 EA >10 To 20, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ DC-780).....	197.90	
33 46 23 00-0036 EA >20 To 30, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ DC-780).....	187.14	
33 46 23 00-0037 EA >30, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ DC-780).....	172.37	
<b>33 46 23 00-0038 52" Long x 100" Wide x 60" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ MC4500) (33 46 23 00-0001)</b>		
33 46 23 00-0039 EA Up To 10, 52" Long x 100" Wide x 60" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ MC4500).....	1,015.64	
33 46 23 00-0040 EA >10 To 20, 52" Long x 100" Wide x 60" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ MC4500).....	947.64	
33 46 23 00-0041 EA >20 To 30, 52" Long x 100" Wide x 60" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ MC4500).....	891.63	
33 46 23 00-0042 EA >30, 52" Long x 100" Wide x 60" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ MC4500).....	842.63	
33 46 23 00-0043 EA Up To 10, 35.1" Long x 90.2" Wide x 59.4" High, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ MC4500).....	1,270.17	
33 46 23 00-0044 EA >10 To 20, 35.1" Long x 90.2" Wide x 59.4" High, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ MC4500).....	1,189.43	
33 46 23 00-0045 EA >20 To 30, 35.1" Long x 90.2" Wide x 59.4" High, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ MC4500).....	1,121.34	
33 46 23 00-0046 EA >30, 35.1" Long x 90.2" Wide x 59.4" High, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ MC4500).....	1,060.85	
<b>33 46 23 00-0047 Cut Opening In Polypropylene Corrugated Wall Stormwater Collection Chambers (33 46 23 00-0001)</b>		
33 46 23 00-0048 EA Cut Up To 6" Diameter Opening, Polypropylene Corrugated Wall Stormwater Collection Chamber Or End Cap.....	56.42	
33 46 23 00-0049 EA Cut >6" To 12" Diameter Opening, Polypropylene Corrugated Wall Stormwater Collection Chamber Or End Cap.....	71.40	
33 46 23 00-0050 EA Cut >12" To 24" Diameter Opening, Polypropylene Corrugated Wall Stormwater Collection Chamber Or End Cap.....	93.56	
33 46 23 00-0051 EA Cut >24" To 36" Diameter Opening, Polypropylene Corrugated Wall Stormwater Collection Chamber Or End Cap.....	118.19	
33 46 23 00-0052 EA 12" x 6" Inspection Port Kit.....	725.14	
Note: (2712AG6IPKIT)		
<b>33 46 53 Stormwater Leaching Pits (33 46)</b>		
<b>33 46 53 00-0001 Drainage Wells (33 46 53)</b>		
Note: Includes augering hole.		
33 46 53 00-0002 LF 12" Diameter Drainage Well With Corrugated Metal Liner.....	29.89	
33 46 53 00-0003 LF 18" Diameter Drainage Well With Corrugated Metal Liner.....	36.47	
33 46 53 00-0004 LF 24" Diameter Drainage Well With Corrugated Metal Liner.....	48.75	
<b>33 50 Hydrocarbon Utilities (33)</b>		
<b>33 52 Hydrocarbon Transmission and Distribution (33 50)</b>		
<b>33 52 16 Gas Hydrocarbon Piping (33 52)</b>		
<b>33 52 16 13 Steel Natural Gas Piping (33 52 16)</b>		
<b>33 52 16 13-0001 Gas Distribution Lines (33 52 16 13)</b>		
Note: Excludes excavation and backfill. See CSI section 31 23 16 00-0000 for excavation, 31 23 16 36-0016 for backfill.		
<b>33 70 Electrical Utilities (33)</b>		
<b>33 71 Electrical Utility Transmission and Distribution (33 70)</b>		
<b>33 71 19 Electrical Underground Ducts, Ductbanks and Manholes (33 71)</b>		





	<b>Utilities</b>	<b>33</b>	
	<b>Electrical Utilities</b>	<b>33 70</b>	<b>CS</b>
	<b>Electrical Utility Transmission and Distribution</b>	<b>33 71</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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Note: Excludes excavation and backfill. See CSI section 31 23 16 00-0000 for excavation, 31 23 16 36-0016 for backfill.

**33 71 19 13 Electrical Manholes and Handholes (33 71 19)**

**33 71 19 13-0001 Electrical Handholes And Pull Boxes (33 71 19 13)**

**33 71 19 13-0002 Electrical Pull Boxes (33 71 19 13-0001)**

See CSI section 33 05 63 00-0427 for handholes.

33 71 19 13-0003	EA	24" x 36" x 24", Electric Pull Boxes, Precast Concrete	2,319.26	506.28
33 71 19 13-0004	EA	24" x 36" x 36", Electric Pull Boxes, Precast Concrete	2,802.54	561.17
33 71 19 13-0005	EA	30" x 48" x 36", Electric Pull Boxes, Precast Concrete	3,266.31	609.98
33 71 19 13-0006	EA	36" x 72" x 24", Electric Pull Boxes, Precast Concrete	5,197.72	731.97
33 71 19 13-0007	EA	36" x 60" x 36", Electric Pull Boxes, Precast Concrete	5,571.09	731.97
33 71 19 13-0008	EA	48" x 48" x 36", Electric Pull Boxes, Precast Concrete	6,005.38	762.47
33 71 19 13-0009	EA	48" x 60" x 48", Electric Pull Boxes, Precast Concrete	6,918.70	853.97
33 71 19 13-0010	EA	18" x 28" x 34", Electric Pull Boxes, Precast Concrete	2,447.12	561.17
33 71 19 13-0011	EA	14" x 20" x 12", Electric Pull Boxes, Precast Concrete	1,216.63	365.99
33 71 19 13-0012	EA	18" x 28" x 12", Electric Pull Boxes, Precast Concrete	1,539.74	731.97
33 71 19 13-0013	EA	24" x 36" x 12", Electric Pull Boxes, Precast Concrete	2,092.55	853.97
33 71 19 13-0014	EA	24" x 3", Round Electric Pull Boxes, Precast Concrete	1,331.69	213.49
33 71 19 13-0015	EA	30" x 3", Round Electric Pull Boxes, Precast Concrete	1,405.27	228.74

**33 71 19 13-0016 Electrical Pull Boxes (CALTRANS And SDG&E) (33 71 19 13-0001)**

33 71 19 13-0017	EA	Body, CALTRANS 3-1/2 Precast Concrete Pull Box	131.48	
33 71 19 13-0018	EA	Concrete Cover, CALTRANS 3-1/2 Precast Concrete Pull Box	54.11	
33 71 19 13-0019	EA	Bolt Down Concrete Cover, CALTRANS 3-1/2 Precast Concrete Pull Box	82.39	
33 71 19 13-0020	EA	Bolt Down Cast Iron Cover, CALTRANS 3-1/2 Precast Concrete Pull Box	178.03	
33 71 19 13-0021	EA	Bolt Down Steel Cover, CALTRANS 3-1/2 Precast Concrete Pull Box	277.18	
		<i>For Galvanized Steel Cover, Add</i>	48.00	
33 71 19 13-0022	EA	12" Extension, CALTRANS 3-1/2 Precast Concrete Pull Box	67.14	
33 71 19 13-0023	EA	Flat Plate Base, CALTRANS 3-1/2 Precast Concrete Pull Box	67.14	
33 71 19 13-0024	EA	Body, CALTRANS 5 Precast Concrete Pull Box	187.53	
33 71 19 13-0025	EA	Concrete Cover, CALTRANS 5 Precast Concrete Pull Box	72.88	
33 71 19 13-0026	EA	Bolt Down Concrete Cover, CALTRANS 5 Precast Concrete Pull Box	101.17	
33 71 19 13-0027	EA	Bolt Down Steel Cover, CALTRANS 5 Precast Concrete Pull Box	368.71	
		<i>For Galvanized Steel Cover, Add</i>	88.01	
33 71 19 13-0028	EA	12" Extension, CALTRANS 5 Precast Concrete Pull Box	96.47	
33 71 19 13-0029	EA	Flat Plate Base, CALTRANS 5 Precast Concrete Pull Box	90.02	
33 71 19 13-0030	EA	Body, CALTRANS 6 Precast Concrete Pull Box	206.31	
33 71 19 13-0031	EA	Concrete Cover, CALTRANS 6 Precast Concrete Pull Box	98.11	
33 71 19 13-0032	EA	Bolt Down Concrete Cover, CALTRANS 6 Precast Concrete Pull Box	126.40	
33 71 19 13-0033	EA	Bolt Down Steel Cover, CALTRANS 6 Precast Concrete Pull Box	507.17	
		<i>For Galvanized Steel Cover, Add</i>	123.21	
33 71 19 13-0034	EA	12" Extension, CALTRANS 6 Precast Concrete Pull Box	115.25	
33 71 19 13-0035	EA	Flat Plate Base, CALTRANS 6 Precast Concrete Pull Box	108.21	
33 71 19 13-0036	EA	6" Return Flat Plate Base, CALTRANS 6 Precast Concrete Pull Box	150.45	
33 71 19 13-0037	EA	Body, CALTRANS 3-1/2-T Precast Concrete Pull Box	303.38	
33 71 19 13-0038	EA	Bolt Down Concrete Cover, CALTRANS 3-1/2-T Precast Concrete Pull Box	443.81	
33 71 19 13-0039	EA	12" Extension, CALTRANS 3-1/2-T Precast Concrete Pull Box	138.72	
33 71 19 13-0040	EA	Flat Plate Base, CALTRANS 3-1/2-T Precast Concrete Pull Box	126.98	
33 71 19 13-0041	EA	Body, CALTRANS 5-T Precast Concrete Pull Box	394.06	
33 71 19 13-0042	EA	Bolt Down Concrete Cover, CALTRANS 5-T Precast Concrete Pull Box	643.29	
33 71 19 13-0043	EA	12" Extension, CALTRANS 5-T Precast Concrete Pull Box	166.88	
33 71 19 13-0044	EA	Flat Plate Base, CALTRANS 5-T Precast Concrete Pull Box	162.19	
33 71 19 13-0045	EA	Body, CALTRANS 6-T Precast Concrete Pull Box	565.38	
33 71 19 13-0046	EA	Bolt Down Concrete Cover, CALTRANS 6-T Precast Concrete Pull Box	901.44	
33 71 19 13-0047	EA	12" Extension, CALTRANS 6-T Precast Concrete Pull Box	284.22	
33 71 19 13-0048	EA	Flat Plate Base, CALTRANS 6-T Precast Concrete Pull Box	220.86	
33 71 19 13-0049	EA	24" x 36" Handhole (SDG&E 3313K/T)	220.18	
33 71 19 13-0050	EA	24" x 36" Traffic Cover (SDG&E 3313CSTG)	1,853.80	

**33 71 19 13-0051 Precast Concrete Box Extensions (33 71 19 13-0001)**

33 71 19 13-0052	EA	14" x 20" x 12", Precast Concrete Extension	238.37	39.82
33 71 19 13-0053	EA	18" x 28" x 12", Precast Concrete Extension	299.29	50.43
33 71 19 13-0054	EA	24" x 36" x 12", Precast Concrete Extension	389.36	69.02
33 71 19 13-0055	EA	30" x 48" x 12", Precast Concrete Extension	476.84	95.57
33 71 19 13-0056	EA	36" x 60" x 12", Precast Concrete Extension	775.93	116.81
33 71 19 13-0057	EA	36" x 72" x 12", Precast Concrete Extension	1,045.88	132.73
33 71 19 13-0058	EA	48" x 48" x 12", Precast Concrete Extension	1,196.61	122.11
33 71 19 13-0059	EA	48" x 60" x 12", Precast Concrete Extension	1,469.26	143.35

**33 71 19 13-0060 Electrical Property Line Boxes (33 71 19 13)**

33 71 19 13-0061	EA	3'-6" x 2'-9" x 2' Deep Property Line Box	4,924.48	411.74
33 71 19 13-0062	EA	4'-6" x 3'-6" x 4' Deep Property Line Box	5,792.53	426.99
33 71 19 13-0063	EA	6' x 4' x 5' Deep Property Line Box	6,350.98	518.48
33 71 19 13-0064	EA	11'-6" x 4'-6" x 6' Deep Property Line Box	9,727.02	762.47

**33 71 19 13-0065 Manhole Accessories (33 71 19 13)**

**33 Utilities****33 70 Electrical Utilities****33 71 Electrical Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 71 19 13-0066 EA 6" Precast Grade Ring Riser Casting.....	450.18	108.39
33 71 19 13-0067 EA 12" Precast Grade Ring Riser Casting.....	487.48	117.42
33 71 19 13-0068 EA 36" Opening Cast Iron Frame And Cover (NEENAH #R-1640-D).....	2,942.41	180.65
33 71 19 13-0069 EA 42" Opening Cast Iron Frame And Cover (NEENAH #R-1740-E1).....	3,859.27	225.81
33 71 19 13-0070 EA Cast Iron Adjusting Ring (NEENAH #R-1979).....	1,154.72	120.58
33 71 19 13-0071 EA Cast Iron Frame And Cover (NEENAH #R-1640-B).....	1,503.54	135.48

**33 71 19 23 Trenched Electrical Underground Duct and Ductbanks (33 71 19)**

**33 71 19 23-0001 Underground Ductbank (33 71 19 23)**  
 Note: Installation of single or multiple configuration underground utility raceways assembly to have minimum 3" concrete leveling base and encased in concrete envelope. Based on minimum 100' run, minimum 30" bury depth. Includes installation in trench using the appropriate supports, cleaning to remove any obstructions and installation of nylon pull string. Excludes trenching, concrete, backfilling, grading and seeding. Duct Banks are to be installed according to the appropriate sections of the accompanying specifications. Individual rows to be stacked for larger duct bank configurations. See CSI section 03 30 53 00-0001 for concrete.

**33 71 19 23-0002 Rigid Galvanized Steel Conduit, Galvanized Rigid Conduit (GRC) Or Rigid Galvanized Steel (RGS), Duct Bank (33 71 19 23-0001)**

Note: Includes appropriate spacers and fittings.

33 71 19 23-0003 LF 2 At 2", Rigid Galvanized Conduit Duct Bank.....	40.74
33 71 19 23-0004 LF 4 At 2", Rigid Galvanized Conduit Duct Bank.....	81.52
33 71 19 23-0005 LF 2 At 3", Rigid Galvanized Conduit Duct Bank.....	85.73
33 71 19 23-0006 LF 4 At 3", Rigid Galvanized Conduit Duct Bank.....	172.01
33 71 19 23-0007 LF 2 At 4", Rigid Galvanized Conduit Duct Bank.....	126.57
33 71 19 23-0008 LF 4 At 4", Rigid Galvanized Conduit Duct Bank.....	253.99
33 71 19 23-0009 LF 6 At 4", Rigid Galvanized Conduit Duct Bank.....	380.53
33 71 19 23-0010 LF 2 At 5", Rigid Galvanized Conduit Duct Bank.....	248.56
33 71 19 23-0011 LF 4 At 5", Rigid Galvanized Conduit Duct Bank.....	496.29
33 71 19 23-0012 LF 6 At 5", Rigid Galvanized Conduit Duct Bank.....	758.66
33 71 19 23-0013 LF 2 At 6", Rigid Galvanized Conduit Duct Bank.....	352.13
33 71 19 23-0014 LF 4 At 6", Rigid Galvanized Conduit Duct Bank.....	707.01
33 71 19 23-0015 LF 6 At 6", Rigid Galvanized Conduit Duct Bank.....	1,055.54

**33 71 19 23-0016 Polyvinyl Chloride (PVC), Type EB-20 Duct Bank System (33 71 19 23-0001)**

Note: Includes appropriate spacers and fittings.

33 71 19 23-0017 LF 1 At 2", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	7.33
33 71 19 23-0018 LF 2 At 2", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	15.82
33 71 19 23-0019 LF 4 At 2", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	30.65
33 71 19 23-0020 LF 1 At 3", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	9.84
33 71 19 23-0021 LF 2 At 3", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	19.61
33 71 19 23-0022 LF 4 At 3", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	39.71
33 71 19 23-0023 LF 1 At 4", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	13.69
33 71 19 23-0024 LF 2 At 4", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	27.41
33 71 19 23-0025 LF 4 At 4", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	54.91
33 71 19 23-0026 LF 6 At 4", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	82.33
33 71 19 23-0027 LF 1 At 5", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	18.17
33 71 19 23-0028 LF 2 At 5", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	36.27
33 71 19 23-0029 LF 4 At 5", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	70.87
33 71 19 23-0030 LF 6 At 5", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	102.17
33 71 19 23-0031 LF 1 At 6", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	30.23
33 71 19 23-0032 LF 2 At 6", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	49.97
33 71 19 23-0033 LF 4 At 6", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	100.11
33 71 19 23-0034 LF 6 At 6", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank.....	158.38

**33 71 19 23-0035 Polyvinyl Chloride (PVC), Type DB-60 Duct Bank System (33 71 19 23-0001)**

Note: Includes appropriate spacers and fittings.

33 71 19 23-0036 LF 1 At 2", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank.....	8.20
33 71 19 23-0037 LF 2 At 2", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank.....	17.56
33 71 19 23-0038 LF 4 At 2", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank.....	33.95
33 71 19 23-0039 LF 1 At 3", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank.....	10.39
33 71 19 23-0040 LF 2 At 3", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank.....	20.78
33 71 19 23-0041 LF 4 At 3", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank.....	41.33
33 71 19 23-0042 LF 1 At 4", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank.....	14.33
33 71 19 23-0043 LF 2 At 4", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank.....	28.72
33 71 19 23-0044 LF 4 At 4", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank.....	57.52
33 71 19 23-0045 LF 6 At 4", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank.....	86.25
33 71 19 23-0046 LF 1 At 5", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank.....	19.15
33 71 19 23-0047 LF 2 At 5", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank.....	38.24
33 71 19 23-0048 LF 4 At 5", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank.....	74.80
33 71 19 23-0049 LF 6 At 5", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank.....	108.08
33 71 19 23-0050 LF 1 At 6", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank.....	31.59
33 71 19 23-0051 LF 2 At 6", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank.....	52.80
33 71 19 23-0052 LF 4 At 6", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank.....	105.77
33 71 19 23-0053 LF 6 At 6", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank.....	166.87

**33 71 19 23-0054 Male Or Female Adapters (33 71 19 23-0001)**

33 71 19 23-0055 EA 2" Adapter.....	36.38
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<b>Utilities</b>	<b>33</b>	<b>33</b>
Electrical Utilities	33 70	
Electrical Utility Transmission and Distribution	33 71	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 71 19 23-0056 EA 3" Adapter.....	59.56	
33 71 19 23-0057 EA 4" Adapter.....	79.52	
33 71 19 23-0058 EA 5" Adapter.....	143.77	
33 71 19 23-0059 EA 6" Adapter.....	172.79	
<b>33 71 19 23-0060</b> <b>Underground Cable Protection Slab And Marking</b> <small>(33 71 19 23)</small>		
33 71 19 23-0061 EA 24" x 12", 2" Concrete, Underground Cable Protection .....	4.67	
<b>33 71 19 23-0062</b> <b>Underground Electrical Concrete Markers</b> <small>(33 71 19 23)</small>		
33 71 19 23-0063 EA 36" x 6" x 6", Underground Electric Concrete Marker .....	280.08	

**END OF SECTION 33**

33	<b>33</b>	<b>Utilities</b>
	33 70	Electrical Utilities
	33 71	Electrical Utility Transmission and Distribution



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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## 34 Transportation

### 34 01 Operation and Maintenance of Transportation <sup>(34)</sup>

#### 34 01 23 Operation and Maintenance of Railways <sup>(34 01)</sup>

##### 34 01 23 33 Track Realignment <sup>(34 01 23)</sup>

34 01 23 33-0001	Realign Railroad Track <sup>(34 01 23 33)</sup>		
34 01 23 33-0002	LF Removal Of Track Rails And Ties And Re-Install Including New Bolts And Spikes .....		96.06
34 01 23 33-0003	EA Removal Of Railroad Track Turnouts And Re-Install Including New Bolts And Spikes .....		4,680.69

#### 34 01 43 Operation and Maintenance of Bridges <sup>(34 01)</sup>

34 01 43 00-0001	Repair Of Bridge Posts <sup>(34 01 43)</sup>		
34 01 43 00-0002	SF Chipping Of Concrete To Expose Rebar .....		33.97
34 01 43 00-0003	EA Removal And Replacement Of Concrete Post, 20" x 20" Square, 36" To 42" High .....		2,063.52
	<i>Note: Includes removal of damaged post, drilling, epoxy injection, rebar, forms and concrete.</i>		
34 01 43 00-0004	EA Repair Bearing Pad .....		731.50

34 01 43 00-0005	Repair Of Bridge Rails <sup>(34 01 43)</sup>		
34 01 43 00-0006	EA Repair Concrete Rail Supports .....		360.09
34 01 43 00-0007	LF Repair Guardrail .....		135.03
34 01 43 00-0008	LF Repair Bridge Parapet Wall .....		225.05
34 01 43 00-0009	LF Repair Bridge Rail .....		90.43
34 01 43 00-0010	LF Repair Damaged Metal Rail And Posts .....		47.88
34 01 43 00-0011	LF Removal And Replacement Of 1-1/2" Galvanized Metal Rail .....		58.78
34 01 43 00-0012	LF Removal And Replacement Of 2-1/2" Galvanized Metal Rail .....		81.73
34 01 43 00-0013	LF Removal And Replacement Of 3" Galvanized Metal Rail .....		94.23

34 01 43 00-0014	Repair Of Bridge <sup>(34 01 43)</sup>		
34 01 43 00-0015	LF Repair Of Expansion Joints On Bridge .....		22.13

### 34 05 Common Work Results for Transportation <sup>(34)</sup>

#### 34 05 43 Common Work Results for Bridges <sup>(34 05)</sup>

34 05 43 00-0001	Mobilize Bridge Crew <sup>(34 05 43)</sup>		
	<i>Note: Excludes mobilize jacking crew.</i>		
34 05 43 00-0002	EA Mobilize Bridge Crew .....		1,283.44

34 05 43 00-0003	Remove And Patch Bridge And Structures Concrete <sup>(34 05 43)</sup>		
	<i>Note: This section is used for repairing areas of concrete decks, floors, verticals and overheads and approximately 1" to 6" deep in connection with bridge and structure repairs. Includes chipping, sandblasting, cleaning, primer, formwork and debris removal. Excludes scaffolding, saw cutting, disposal and/or concrete pump truck.</i>		

34 05 43 00-0004	Remove And Patch Decks Or Floors <sup>(34 05 43 00-0003)</sup>		
	<i>Note: For patching decks and floors, there are tasks with a unit of measure of EA for a quantity of less than 16 SF, followed by a SF task for other quantities. For those tasks the contractor will be paid the first task with a unit of measure of EA, plus an additional task (less the initial 16 SF) to arrive at the total quantity for the project.</i>		
34 05 43 00-0005	EA Remove And Patch Up To 16 SF Of Decks Or Floors, Up To 6" Portland Cement Based Repair Material .....		2,248.74
34 05 43 00-0006	SF Remove And Patch >16 SF Decks Or Floors, Up To 6" Portland Cement Based Repair Material .....		95.80
34 05 43 00-0007	EA Remove And Patch Up To 16 SF Of Decks Or Floors, Up To 6" Rapid Set Concrete Repair Material .....		2,325.84
34 05 43 00-0008	SF Remove And Patch >16 SF Decks Or Floors, Up To 6" Rapid Set Concrete Repair Material .....		100.62
34 05 43 00-0009	EA Remove And Patch Up To 16 SF Of Decks Or Floors, Up To 6" Rapid Set Polymer Concrete Methyl Methacrylate .....		2,308.78
34 05 43 00-0010	SF Remove And Patch >16 SF Decks Or Floors, Up To 6" Rapid Set Polymer Concrete Methyl Methacrylate .....		99.55
34 05 43 00-0011	EA Remove And Patch Up To 16 SF Of Decks Or Floors, Up To 6" SSI Flex Patch (Other Than Specified) .....		3,615.68
	<i>For Owner Furnished Material, Deduct</i>		
34 05 43 00-0012	SF Remove And Patch >16 SF Decks Or Floors, Up To 6" SSI Flex Patch (Other Than Specified) .....		181.23
	<i>For Owner Furnished Material, Deduct</i>		
			-100.11

34 05 43 00-0013	Remove And Patch Verticals Or Overheads <sup>(34 05 43 00-0003)</sup>		
	<i>Note: For patching verticals and overhead, there are tasks with a unit of measure of EA for a quantity of less than 16 SF, followed by a SF task for other quantities. For those tasks the contractor will be paid the first task with a unit of measure of EA, plus an additional task (less the initial 16 SF) to arrive at the total quantity for the project.</i>		
34 05 43 00-0014	EA Remove And Patch Up To 16 SF Of Verticals Or Overheads, Up To 6" Portland Cement Based Repair Material .....		2,646.48
34 05 43 00-0015	SF Remove And Patch >16 SF Verticals Or Overheads, Up To 6" Portland Cement Based Repair Material .....		115.69
34 05 43 00-0016	EA Remove And Patch Up To 16 SF Of Verticals Or Overheads, Up To 6" Rapid Set Concrete Repair Material .....		2,723.58
34 05 43 00-0017	SF Remove And Patch >16 SF Verticals Or Overheads, Up To 6" Rapid Set Concrete Repair Material .....		120.51
34 05 43 00-0018	EA Remove And Patch Up To 16 SF Of Verticals Or Overheads, Up To 6" Rapid Set Polymer Concrete Methyl Methacrylate .....		2,706.52
34 05 43 00-0019	SF Remove And Patch >16 SF Verticals Or Overheads, Up To 6" Rapid Set Polymer Concrete Methyl Methacrylate .....		119.44

**34 Transportation****34 05 Common Work Results for Transportation****34 05 43 Common Work Results for Bridges**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 05 43 00-0020 EA Remove And Patch Up To 16 SF Of Verticals Or Overheads, Up To 6" SSI Flex Patch (Other Than Specified).....	4,013.42	
<i>For Owner Furnished Material, Deduct</i>	-1,601.82	
34 05 43 00-0021 SF Remove And Patch >16 SF Verticals Or Overheads, Up To 6" SSI Flex Patch (Other Than Specified) .....	201.12	
<i>For Owner Furnished Material, Deduct</i>	-100.11	
<b>34 05 43 00-0022 Remove And Patch Pier Caps And Pedestals (34 05 43 00-0003)</b>		
Note: For patching pier caps and pedestals, there are tasks with a unit of measure of EA for a quantity of less than 16 SF, followed by a SF task for other quantities. For those tasks the contractor will be paid the first task with a unit of measure of EA, plus an additional task (less the initial 16 SF) to arrive at the total quantity for the project.		
34 05 43 00-0023 EA Remove And Patch Up To 16 SF Of Pier Caps And Pedestals, Up To 6" Portland Cement Based Repair Material.....	3,044.24	
34 05 43 00-0024 SF Remove And Patch >16 SF Pier Caps And Pedestals, Up To 6" Portland Cement Based Repair Material.....	130.60	
34 05 43 00-0025 EA Remove And Patch Up To 16 SF Of Pier Caps And Pedestals, Up To 6" Rapid Set Concrete Repair Material.....	3,121.34	
34 05 43 00-0026 SF Remove And Patch >16 SF Pier Caps And Pedestals, Up To 6" Rapid Set Concrete Repair Material .....	135.42	
34 05 43 00-0027 EA Patch Up To 16 SF Of Pier Caps And Pedestals, Up To 6" Rapid Set Polymer Concrete Methyl Methacrylate.....	3,104.28	
34 05 43 00-0028 SF Remove And Patch >16 SF Pier Caps And Pedestals, Up To 6" Rapid Set Polymer Concrete Methyl Methacrylate .....	134.35	
34 05 43 00-0029 EA Remove And Patch Up To 16 SF Of Pier Caps And Pedestals, Up To 6" SSI Flex Patch (Other Than Specified).....	4,411.18	
<i>For Owner Furnished Material, Deduct</i>	-1,601.82	
34 05 43 00-0030 SF Remove And Patch >16 SF Pier Caps And Pedestals, Up To 6" SSI Flex Patch (Other Than Specified).....	216.03	
<i>For Owner Furnished Material, Deduct</i>	-100.11	
<b>34 05 43 00-0031 Remove And Patch Circular Piers (34 05 43 00-0003)</b>		
Note: For patching circular piers, there are tasks with a unit of measure of EA for a quantity of less than 16 SF, followed by a SF task for other quantities. For those tasks the contractor will be paid the first task with a unit of measure of EA, plus an additional task (less the initial 16 SF) to arrive at the total quantity for the project.		
34 05 43 00-0032 EA Remove And Patch Up To 16 SF Of Circular Pier, Up To 6" Portland Cement Based Repair Material .....	3,640.85	
34 05 43 00-0033 SF Remove And Patch >16 SF Of Circular Pier, Up To 6" Portland Cement Based Repair Material.....	145.52	
34 05 43 00-0034 EA Remove And Patch Up To 16 SF Of Circular Pier, Up To 6" Rapid Set Concrete Repair Material .....	3,717.95	
34 05 43 00-0035 SF Remove And Patch >16 SF Of Circular Pier, Up To 6" Rapid Set Concrete Repair Material.....	150.34	
34 05 43 00-0036 EA Remove And Patch Up To 16 SF Of Circular Pier, Up To 6" Rapid Set Polymer Concrete Methyl Methacrylate .....	3,700.89	
34 05 43 00-0037 SF Remove And Patch >16 SF Circular Pier, Up To 6" Rapid Set Polymer Concrete Methyl Methacrylate.....	166.77	
34 05 43 00-0038 EA Remove And Patch Up To 16 SF Of Circular Pier, Up To 6" SSI Flex Patch (Other Than Specified).....	5,007.79	
<i>For Owner Furnished Material, Deduct</i>	-1,601.82	
34 05 43 00-0039 SF Remove And Patch >16 SF Of Circular Pier, Up To 6" SSI Flex Patch (Other Than Specified) .....	230.95	
<i>For Owner Furnished Material, Deduct</i>	-100.11	
<b>34 05 43 00-0040 Fiber Reinforced Shotcrete Repair For Bridges (34 05 43)</b>		
34 05 43 00-0041 EA Mobilize Fiber Reinforced Shotcrete Repair Crew.....	812.75	
34 05 43 00-0042 SF Up To 2" Thick, Fiber Reinforced Shotcrete Repair .....	62.72	
<i>For Up To 25, Add</i>	30.48	
<i>For &gt;25 To 50, Add</i>	15.24	
<i>For &gt;50 To 150, Add</i>	6.10	
34 05 43 00-0043 SF >2" To 4" Thick, Fiber Reinforced Shotcrete Repair .....	74.65	
<i>For Up To 25, Add</i>	35.56	
<i>For &gt;25 To 50, Add</i>	17.78	
<i>For &gt;50 To 150, Add</i>	7.11	
34 05 43 00-0044 SF >4" To 6" Thick, Fiber Reinforced Shotcrete Repair .....	86.57	
<i>For Up To 25, Add</i>	40.64	
<i>For &gt;25 To 50, Add</i>	20.32	
<i>For &gt;50 To 150, Add</i>	8.13	
<b>34 05 43 00-0045 Bridge Railing (34 05 43)</b>		
<b>34 05 43 00-0046 Remove And Store Bridge Railings (34 05 43 00-0045)</b>		
See CSI section 34 82 23 00-0007 for posts.		
34 05 43 00-0047 LF Removal And Storage Of One Rail Bridge Railing.....	7.30	
34 05 43 00-0048 LF Removal And Storage Of Two Rail Bridge Railing.....	14.58	
34 05 43 00-0049 LF Removal And Storage Of Three Rail Bridge Railing .....	21.88	
34 05 43 00-0050 LF Removal And Storage Of Four Rail Bridge Railing .....	29.17	
<b>34 05 43 00-0051 Install Stored Or Supplied Bridge Railings (34 05 43 00-0045)</b>		
See CSI section 34 82 23 00-0007 for posts.		
34 05 43 00-0052 LF Install Stored Or Supplied One Rail Bridge Railing.....	61.44	
34 05 43 00-0053 LF Install Stored Or Supplied Two Rail Bridge Railing.....	122.89	
34 05 43 00-0054 LF Install Stored Or Supplied Three Rail Bridge Railing .....	184.33	
34 05 43 00-0055 LF Install Stored Or Supplied Four Rail Bridge Railing .....	245.78	
<b>34 05 43 00-0056 Bridge Bearings (34 05 43)</b>		
Note: Excludes drilling and anchor bolts.		
<b>34 05 43 00-0057 Elastomeric Bearings (34 05 43 00-0056)</b>		
34 05 43 00-0058 EA Plain Elastomeric, Type EP Bearing, 716-10, All Loads .....	1,180.00	314.31
34 05 43 00-0059 EA Steel Laminated Elastomeric, Type EL Bearing, 716-11, Up To 100K .....	1,764.13	628.62
<i>For &gt;100K To 250K Load, Add</i>	89.98	
<i>For &gt;250K To 500K Load, Add</i>	179.95	
<i>For &gt;500K To 750K Load, Add</i>	269.93	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 05 43 00-0060 EA Elastomeric with External Load Plates, Type EB Bearing, 716-12, Up To 100K ..... <i>For &gt;100K To 250K Load, Add</i> <i>For &gt;250K To 500K Load, Add</i> <i>For &gt;500K To 750K Load, Add</i>	4,025.85 272.93 545.86 818.79	942.93
<b>34 05 43 00-0061 Fixed Structural Pot Bearings (34 05 43 00-0056)</b>		
34 05 43 00-0062 EA 100K To 250K Fixed Structural Pot Bearing .....	3,551.38	
34 05 43 00-0063 EA >250K To 500K Fixed Structural Pot Bearing .....	5,423.21	
34 05 43 00-0064 EA >500K To 750K Fixed Structural Pot Bearing .....	7,295.01	
<b>34 05 43 00-0065 Universal Structural Expansion Pot Bearings (34 05 43 00-0056)</b>		
34 05 43 00-0066 EA 100K To 250K Universal Structural Pot Bearing .....	4,399.73	
34 05 43 00-0067 EA >250K To 500K Universal Structural Pot Bearing .....	6,725.87	
34 05 43 00-0068 EA >500K To 750K Universal Structural Pot Bearing .....	9,055.91	
<b>34 05 43 00-0069 Guided Structural Expansion Pot Bearings (34 05 43 00-0056)</b>		
34 05 43 00-0070 EA 100K To 250K Guided Structural Pot Bearing .....	4,556.81	
34 05 43 00-0071 EA >250K To 500K Guided Structural Pot Bearing .....	6,961.45	
34 05 43 00-0072 EA >500K To 750K Guided Structural Pot Bearing .....	9,370.02	
<b>34 05 43 00-0073 Remove, Repair And Install Bridge Bearings (34 05 43 00-0056)</b>		
<b>34 05 43 00-0074 Remove Structural Bearings (34 05 43 00-0073)</b>		
34 05 43 00-0075 EA 100K To 250K Structural Bearing Removal .....	451.82	
34 05 43 00-0076 EA >250K To 500K Structural Bearing Removal .....	903.65	
34 05 43 00-0077 EA >500K To 750K Structural Bearing Removal .....	1,355.47	
<b>34 05 43 00-0078 Install And Set Supplied Or Restored Structural Bearings (34 05 43 00-0073)</b>		
34 05 43 00-0079 EA 100K To 250K Structural Bearing - Install And Set Supplied Or Restored Bearing .....	677.74	
34 05 43 00-0080 EA >250K To 500K Structural Bearing - Install And Set Supplied Or Restored Bearing .....	1,355.47	
34 05 43 00-0081 EA >500K To 750K Structural Bearing - Install And Set Supplied Or Restored Bearing .....	2,033.21	
<b>34 05 43 00-0082 Power Wash And Paint Structural Bearings (34 05 43 00-0073)</b>		
Note: Includes bearing plates.		
34 05 43 00-0083 EA 100K To 250K Structural Bearing - Power Wash And Paint .....	1,057.54	
34 05 43 00-0084 EA >250K To 500K Structural Bearing - Power Wash And Paint .....	1,194.85	
34 05 43 00-0085 EA >500K To 750K Structural Bearing - Power Wash And Paint .....	1,332.14	
<b>34 05 43 00-0086 Power Wash, Mechanically Clean And Paint Structural Bearings (34 05 43 00-0073)</b>		
Note: Includes bearing plates. Excludes paint removal.		
34 05 43 00-0087 EA 100K To 250K Structural Bearing - Power Wash, Mechanically Clean And Paint .....	1,406.82	
<i>For Vacuum Contained Cleaning, Add</i>	349.25	
34 05 43 00-0088 EA >250K To 500K Structural Bearing - Power Wash, Mechanically Clean And Paint .....	1,587.73	
<i>For Vacuum Contained Cleaning, Add</i>	392.89	
34 05 43 00-0089 EA >500K To 750K Structural Bearing - Power Wash, Mechanically Clean And Paint .....	1,768.25	
<i>For Vacuum Contained Cleaning, Add</i>	436.44	
<b>34 05 43 00-0090 Power Wash And Paint Only Bearing Plates (34 05 43 00-0073)</b>		
34 05 43 00-0091 EA 100K To 250K Structural Bearing - Power Wash And Paint Only Bearing Plates .....	659.74	
34 05 43 00-0092 EA >250K To 500K Structural Bearing - Power Wash And Paint Only Bearing Plates .....	793.87	
34 05 43 00-0093 EA >500K To 750K Structural Bearing - Power Wash And Paint Only Bearing Plates .....	928.00	
<b>34 05 43 00-0094 Power Wash, Mechanically Clean And Paint Only Bearing Plates (34 05 43 00-0073)</b>		
34 05 43 00-0095 EA 100K To 250K Structural Bearing - Power Wash, Mechanically Clean And Paint Only Bearing Plates .....	879.80	
<i>For Vacuum Contained Cleaning, Add</i>	218.28	
34 05 43 00-0096 EA >250K To 500K Structural Bearing - Power Wash, Mechanically Clean And Paint Only Bearing Plates .....	1,055.79	
<i>For Vacuum Contained Cleaning, Add</i>	261.93	
34 05 43 00-0097 EA >500K To 750K Structural Bearing - Power Wash, Mechanically Clean And Paint Only Bearing Plates .....	1,231.40	
<i>For Vacuum Contained Cleaning, Add</i>	305.47	
<b>34 05 43 00-0098 Sand Blast And Paint Structural Bearings (34 05 43 00-0073)</b>		
Note: Includes bearing plates.		
34 05 43 00-0099 EA 100K To 250K Structural Bearing - Sand Blast And Paint .....	1,686.17	
<i>For Vacuum Contained Cleaning, Add</i>	419.08	
34 05 43 00-0100 EA >250K To 500K Structural Bearing - Sand Blast And Paint .....	1,902.05	
<i>For Vacuum Contained Cleaning, Add</i>	471.47	
34 05 43 00-0101 EA >500K To 750K Structural Bearing - Sand Blast And Paint .....	2,117.92	
<i>For Vacuum Contained Cleaning, Add</i>	523.85	
<b>34 05 43 00-0102 Sand Blast And Paint Only Bearing Plates (34 05 43 00-0073)</b>		

**34 Transportation****34 05 Common Work Results for Transportation****34 05 43 Common Work Results for Bridges**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 05 43 00-0103 EA 100K To 250K Structural Bearing - Sand Blast And Paint Only Bearing Plates.....	1,054.37	
<i>For Vacuum Contained Cleaning, Add</i>	261.93	
34 05 43 00-0104 EA >250K To 500K Structural Bearing - Sand Blast And Paint Only Bearing Plates.....	1,265.33	
<i>For Vacuum Contained Cleaning, Add</i>	314.31	
34 05 43 00-0105 EA >500K To 750K Structural Bearing - Sand Blast And Paint Only Bearing Plates.....	1,476.29	
<i>For Vacuum Contained Cleaning, Add</i>	366.70	
<b>34 05 43 00-0106 Grease Structural Bearings</b> <small>(34 05 43 00-0073)</small>		
34 05 43 00-0107 EA 100K To 250K Structural Bearing - Grease .....	65.48	
34 05 43 00-0108 EA >250K To 500K Structural Bearing - Grease .....	98.23	
34 05 43 00-0109 EA >500K To 750K Structural Bearing - Grease .....	130.97	
<b>34 05 43 00-0110 Replace Bronze Plate Wearing Pad</b> <small>(34 05 43 00-0073)</small>		
34 05 43 00-0111 SF Removal And Replacement Of Bronze Plate Wearing Pad .....	453.82	
<b>34 05 43 00-0112 Bridge Bearing Rivet Removal</b> <small>(34 05 43 00-0073)</small>		
<i>See CSI section 02 41 19 13-0080 for reaming of hole, 34 05 43 00-0343 for anchors and grouting.</i>		
34 05 43 00-0113 EA Bridge Bearing Rivet Removal.....	261.93	
<b>34 05 43 00-0114 Bridge Pintels, Side Keeper, And Shim Plates</b> <small>(34 05 43)</small>		
34 05 43 00-0115 EA Removal And Replacement Of Bridge Pintel .....	264.00	
34 05 43 00-0116 EA Removal And Replacement Of Bridge Side Keeper .....	269.98	
34 05 43 00-0117 EA Refabricate And Install Shim Plates At One Bearing .....	164.21	
34 05 43 00-0118 EA Refabricate And Install Beveled Shim Plates At One Bearing .....	164.21	
34 05 43 00-0119 EA Refabricate And Install Finger Shim Plates At One Bearing .....	164.21	
<b>34 05 43 00-0120 Vertical Jacking And Lifting For Bridges</b> <small>(34 05 43)</small>		
<i>Note: For vertical jacking of structural members. Includes jacks, hydraulics, and synchronizing equipment where appropriate. Excludes engineering and design. See CSI section 03 01 30 71-0000 for concrete repair, 05 12 23 00-0000 for temporary steel members.</i>		
<b>34 05 43 00-0121 Mobilize Jacking Crew And Equipment</b> <small>(34 05 43 00-0120)</small>		
<i>Note: Includes removing equipment after completion.</i>		
34 05 43 00-0122 EA Mobilize Bridge Jacking Crew and Equipment.....	2,357.34	
<i>For Temporary Support Mobilization, Add</i>	4,714.68	
<b>34 05 43 00-0123 Vertical Jacking And Lifting Per Point of Contact</b> <small>(34 05 43 00-0120)</small>		
<i>Note: Includes positioning jack, shims, lifting, and lowering. Excludes temporary steel, temporary lumber, and concrete repairs.</i>		
34 05 43 00-0124 EA Up To 10 Ton Jack, Per Point Of Contact.....	392.89	
<i>For Synchronized Lift, Add</i>	78.58	
<i>For Jacking From Temporary Support, Add</i>	157.16	
34 05 43 00-0125 EA >10 To 20 Ton Jack, Per Point Of Contact .....	458.37	
<i>For Synchronized Lift, Add</i>	91.67	
<i>For Jacking From Temporary Support, Add</i>	183.35	
34 05 43 00-0126 EA >20 To 40 Ton Jack, Per Point Of Contact .....	523.85	
<i>For Synchronized Lift, Add</i>	104.77	
<i>For Jacking From Temporary Support, Add</i>	209.54	
34 05 43 00-0127 EA >40 To 60 Ton Jack, Per Point Of Contact .....	589.33	
<i>For Synchronized Lift, Add</i>	117.87	
<i>For Jacking From Temporary Support, Add</i>	235.73	
34 05 43 00-0128 EA >60 To 80 Ton Jack, Per Point Of Contact .....	654.82	
<i>For Synchronized Lift, Add</i>	130.96	
<i>For Jacking From Temporary Support, Add</i>	261.93	
34 05 43 00-0129 EA >80 To 100 Ton Jack, Per Point Of Contact .....	720.29	
<i>For Synchronized Lift, Add</i>	144.06	
<i>For Jacking From Temporary Support, Add</i>	288.12	
34 05 43 00-0130 EA >100 To 120 Ton Jack, Per Point Of Contact .....	785.78	
<i>For Synchronized Lift, Add</i>	157.16	
<i>For Jacking From Temporary Support, Add</i>	314.31	
34 05 43 00-0131 EA >120 To 140 Ton Jack, Per Point Of Contact .....	818.52	
<i>For Synchronized Lift, Add</i>	163.70	
<i>For Jacking From Temporary Support, Add</i>	327.41	
34 05 43 00-0132 EA >140 To 160 Ton Jack, Per Point Of Contact .....	851.26	
<i>For Synchronized Lift, Add</i>	170.25	
<i>For Jacking From Temporary Support, Add</i>	340.50	
34 05 43 00-0133 EA >160 To 250 Ton Jack, Per Point Of Contact .....	851.26	
<i>For Synchronized Lift, Add</i>	170.25	
<i>For Jacking From Temporary Support, Add</i>	340.50	
34 05 43 00-0134 EA >250 To 300 Ton Jack, Per Point Of Contact .....	916.74	
<i>For Synchronized Lift, Add</i>	183.35	
<i>For Jacking From Temporary Support, Add</i>	366.70	
34 05 43 00-0135 EA >300 To 400 Ton Jack, Per Point Of Contact .....	982.23	
<i>For Synchronized Lift, Add</i>	196.45	
<i>For Jacking From Temporary Support, Add</i>	392.89	
34 05 43 00-0136 EA >400 To 500 Ton Jack, Per Point Of Contact .....	1,047.70	
<i>For Synchronized Lift, Add</i>	209.54	
<i>For Jacking From Temporary Support, Add</i>	419.08	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 05 43 00-0137 EA >500 To 600 Ton Jack, Per Point Of Contact ..... <i>For Synchronized Lift, Add</i> <i>For Jacking From Temporary Support, Add</i>	1,113.19 222.64 445.28	
<b>34 05 43 00-0138 Daily Charge For Vertical Jacking Equipment</b> <small>(34 05 43 00-0120)</small> Note: Includes hydraulics and synchronizing equipment.		
34 05 43 00-0139 DAY Up To 10 Ton Jacking Equipment Charge By The Day .....	20.98	
34 05 43 00-0140 DAY >10 To 20 Ton Jacking Equipment Charge By The Day .....	41.95	
34 05 43 00-0141 DAY >20 To 40 Ton Jacking Equipment Charge By The Day .....	83.90	
34 05 43 00-0142 DAY >40 To 60 Ton Jacking Equipment Charge By The Day .....	125.85	
34 05 43 00-0143 DAY >60 To 80 Ton Jacking Equipment Charge By The Day .....	167.80	
34 05 43 00-0144 DAY >80 To 100 Ton Jacking Equipment Charge By The Day .....	209.76	
34 05 43 00-0145 DAY >100 To 120 Ton Jacking Equipment Charge By The Day .....	251.71	
34 05 43 00-0146 DAY >120 To 140 Ton Jacking Equipment Charge By The Day .....	293.66	
34 05 43 00-0147 DAY >140 To 160 Ton Jacking Equipment Charge By The Day .....	335.61	
34 05 43 00-0148 DAY >160 To 250 Ton Jacking Equipment Charge By The Day .....	382.96	
34 05 43 00-0149 DAY >250 To 300 Ton Jacking Equipment Charge By The Day .....	436.57	
34 05 43 00-0150 DAY >300 To 400 Ton Jacking Equipment Charge By The Day .....	553.00	
34 05 43 00-0151 DAY >400 To 500 Ton Jacking Equipment Charge By The Day .....	656.67	
34 05 43 00-0152 DAY >500 To 600 Ton Jacking Equipment Charge By The Day .....	748.63	
<b>34 05 43 00-0153 Temporary Shoring</b> <small>(34 05 43 00-0120)</small> Note: Setup includes material use cost and initial erection. Setup is also used for relocation to the opposite abutment. Relocation includes moving and setup at a new jacking location. Takedown includes disassembly and removal from the site. Excludes earthwork and temporary stone.		
<b>34 05 43 00-0154 HP8x36 Column Attached To Existing Footing, Permanent Steel Stiffener, Braced By Angles Attached To Abutment Face, Temporary Shoring</b> <small>(34 05 43 00-0153)</small>		
34 05 43 00-0155 EA HP8x36 Column Attached To Existing Footing, Permanent Steel Stiffener, Braced By Angles Attached To Abutment Face, Temporary Shoring Setup .....	3,089.81	
34 05 43 00-0156 EA HP8x36 Column Attached To Existing Footing, Permanent Steel Stiffener, Braced By Angles Attached To Abutment Face, Temporary Shoring Relocation .....	2,211.23	
34 05 43 00-0157 EA HP8x36 Column Attached To Existing Footing, Permanent Steel Stiffener, Braced By Angles Attached To Abutment Face, Temporary Shoring Take Down And Removal .....	418.14	
<b>34 05 43 00-0158 HP12x53 Column Attached To Existing Footing, Permanent Steel Stiffener, Braced By Angles Attached To Abutment Face, Temporary Shoring</b> <small>(34 05 43 00-0153)</small>		
34 05 43 00-0159 EA HP12x53 Column Attached To Existing Footing, Permanent Steel Stiffener, Braced By Angles Attached To Abutment Face, Temporary Shoring Setup .....	3,209.56	
34 05 43 00-0160 EA HP12x53 Column Attached To Existing Footing, Permanent Steel Stiffener, Braced By Angles Attached To Abutment Face, Temporary Shoring Relocation .....	2,085.82	
34 05 43 00-0161 EA HP12x53 Column Attached To Existing Footing, Permanent Steel Stiffener, Braced By Angles Attached To Abutment Face, Temporary Shoring Take Down And Removal .....	401.11	
<b>34 05 43 00-0162 HP12x53 Column Attached To Existing Footing, Temporary Wood Stiffener, Braced By Angles Attached To Abutment Face, Temporary Shoring</b> <small>(34 05 43 00-0153)</small>		
34 05 43 00-0163 EA HP12x53 Column Attached To Existing Footing, Temporary Wood Stiffener, Braced By Angles Attached To Abutment Face, Temporary Shoring Setup .....	2,077.34	
34 05 43 00-0164 EA HP12x53 Column Attached To Existing Footing, Temporary Wood Stiffener, Braced By Angles Attached To Abutment Face, Temporary Shoring Relocation .....	939.00	
34 05 43 00-0165 EA HP12x53 Column Attached To Existing Footing, Temporary Wood Stiffener, Braced By Angles Attached To Abutment Face, Temporary Shoring Take Down And Removal .....	255.35	
<b>34 05 43 00-0166 HP14x117 Column Attached to Existing Footing, Permanent Steel Stiffeners, Braced by Angles Attached to Abutment Face, Temporary Shoring</b> <small>(34 05 43 00-0153)</small>		
34 05 43 00-0167 EA HP14x117 Column Attached To Existing Footing, Permanent Steel Stiffener, Braced By Angles Attached To Abutment Face, Temporary Shoring Setup .....	5,767.60	
34 05 43 00-0168 EA HP14x117 Column Attached To Existing Footing, Permanent Steel Stiffener, Braced By Angles Attached To Abutment Face, Temporary Shoring Relocation .....	3,326.84	
34 05 43 00-0169 EA HP14x117 Column Attached To Existing Footing, Permanent Steel Stiffener, Braced By Angles Attached To Abutment Face, Temporary Shoring Take Down And Removal .....	687.32	
<b>34 05 43 00-0170 Mat Supported HP12x63 Column, Braced by Channel and Angles, Attached to Existing 4" Diameter Concrete Column, Temporary Shoring</b> <small>(34 05 43 00-0153)</small> Note: Excludes mats. See CSI section 01 22 23 00-0553 for mats.		
34 05 43 00-0171 EA Mat Supported HP12x63 Column, Braced By Channel And Angles Attached To Existing 4' Diameter Concrete Column, Temporary Shoring Setup .....	5,926.76	
Note: Excludes mats.		

**34 Transportation****34 05 Common Work Results for Transportation****34 05 43 Common Work Results for Bridges**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 05 43 00-0172 EA Mat Supported HP12x63 Column, Braced By Channel And Angles Attached To Existing 4' Diameter Concrete Column, Temporary Shoring Relocation.....	2,136.25	
Note: Excludes mats.		
34 05 43 00-0173 EA Mat Supported HP12x63 Column, Braced By Channel And Angles Attached To Existing 4' Diameter Concrete Column, Temporary Shoring Take Down And Removal.....	1,049.07	
Note: Excludes mats.		
<b>34 05 43 00-0174 Mat Supported HP12x53 Column, Braced by Channel and Angles, Attached to Abutment Face, Temporary Shoring</b> <small>(34 05 43 00-0153)</small>		
Note: Excludes mats. See CSI section 01 22 23 00-0553 for mats.		
34 05 43 00-0175 EA Mat Supported HP12x53 Column, Braced By Angles Attached To Abutment Face, Temporary Shoring Setup.....	2,481.64	
34 05 43 00-0176 EA Mat Supported HP12x53 Column, Braced By Angles Attached To Abutment Face, Temporary Shoring Relocation.....	641.61	
Note: Excludes mats.		
34 05 43 00-0177 EA Mat Supported HP12x53 Column, Braced By Angles Attached To Abutment Face, Temporary Shoring Take Down And Removal.....	359.62	
Note: Excludes mats.		
<b>34 05 43 00-0178 MC18x51.9 Attached to Abutment Face, Temporary Wood Stiffeners, Temporary Shoring</b> <small>(34 05 43 00-0153)</small>		
34 05 43 00-0179 EA MC18x51.9 Attached To Abutment Face, Temporary Shoring Setup.....	3,211.39	
34 05 43 00-0180 EA MC18x51.9 Attached To Abutment Face, Temporary Shoring Relocation.....	2,973.93	
34 05 43 00-0181 EA MC18x51.9 Attached To Abutment Face, Temporary Shoring Take Down And Removal.....	351.11	
<b>34 05 43 00-0182 MC15x74 Attached to Abutment Face, Temporary Wood Stiffeners, Temporary Shoring</b> <small>(34 05 43 00-0153)</small>		
34 05 43 00-0183 EA WT15x74 Attached To Abutment Face, Temporary Shoring Setup.....	2,254.68	
34 05 43 00-0184 EA WT15x74 Attached To Abutment Face, Temporary Shoring Relocation.....	2,062.01	
34 05 43 00-0185 EA WT15x74 Attached To Abutment Face, Temporary Shoring Take Down And Removal.....	289.40	
<b>34 05 43 00-0186 Plates And Angles Connecting Existing Diaphragm To Existing Bearing Stiffener At Pedestrian Bridge Column, Temporary Shoring</b> <small>(34 05 43 00-0153)</small>		
34 05 43 00-0187 EA Plates And Angles Connecting Existing Diaphragm To Existing Bearing Stiffener At Pedestrian Bridge, Temporary Shoring Setup.....	1,413.56	
Note: Left in place.		
<b>34 05 43 00-0188 Temporary Bridge Shoring Components</b> <small>(34 05 43 00-0153)</small>		
Note: For temporary shoring of columns and abutments associated with vertical jacking of structural members. Includes lifting equipment where appropriate. Excludes engineering and design. See CSI section 01 54 23 00-0041 for temporary lumber.		
<b>34 05 43 00-0189 Fabricate, Install And Remove After Use Temporary Steel Bridge Shoring</b> <small>(34 05 43 00-0188)</small>		
Note: Includes cutting, drilling and welds. Excludes gravel, mats, anchors, and bolts.		
34 05 43 00-0190 LF Fabricate And Install MC7 x 19.1 For Temorary Bridge Shoring.....	96.79	
Note: Remove after use.		
34 05 43 00-0191 LF Fabricate And Install MC18 x 51.9 For Temorary Bridge Shoring.....	225.76	
Note: Remove after use.		
34 05 43 00-0192 LF Fabricate And Install HP12 x 53 For Temorary Bridge Shoring.....	180.03	
Note: Remove after use.		
34 05 43 00-0193 LF Fabricate And Install HP12 x 63 For Temorary Bridge Shoring.....	202.44	
Note: Remove after use.		
34 05 43 00-0194 LF Fabricate And Install 3" x 3" x 3/8" Angle Iron For Temorary Bridge Shoring.....	25.69	
Note: Remove after use.		
<i>For Galvanized Steel, Add</i>	6.83	
34 05 43 00-0195 LF Fabricate And Install 4" x 4" x 3/8" Angle Iron For Temorary Bridge Shoring.....	32.81	
Note: Remove after use.		
<i>For Galvanized Steel, Add</i>	9.30	
34 05 43 00-0196 LF Fabricate And Install 7" x 4" x 5/8" Angle Iron For Temorary Bridge Shoring.....	66.79	
Note: Remove after use.		
<i>For Galvanized Steel, Add</i>	21.03	
34 05 43 00-0197 LF Fabricate And Install 5" x 3-1/2" x 3/4" Angle Iron For Temorary Bridge Shoring.....	58.04	
Note: Remove after use.		
<i>For Galvanized Steel, Add</i>	18.84	
34 05 43 00-0198 LF Fabricate And Install 7" x 4" x 3/4" Angle Iron For Temorary Bridge Shoring.....	76.80	
Note: Remove after use.		
<i>For Galvanized Steel, Add</i>	24.93	
34 05 43 00-0199 SF Fabricate And Install 5/8" A36 Steel Plates For Temorary Bridge Shoring.....	99.29	
Note: Remove after use.		
<i>For A50 Grade Steel, Add</i>	2.96	
34 05 43 00-0200 SF Fabricate And Install 7/8" A36 Steel Plates For Temorary Bridge Shoring.....	139.00	
Note: Remove after use.		
<i>For A50 Grade Steel, Add</i>	4.14	
34 05 43 00-0201 SF Fabricate And Install 1-3/8" A36 Steel Plates For Temorary Bridge Shoring.....	218.45	
Note: Remove after use.		
<i>For A50 Grade Steel, Add</i>	6.50	
34 05 43 00-0202 SF Fabricate And Install 1-1/2" A36 Steel Plates For Temorary Bridge Shoring.....	238.31	
Note: Remove after use.		
<i>For A50 Grade Steel, Add</i>	7.09	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>34 05 43 00-0203 Relocate Temporary Steel Bridge Shoring</b> <small>(34 05 43 00-0188)</small>		
<i>Note: Includes removal after use.</i>		
34 05 43 00-0204 EA Relocate Complete Temporary Steel Bridge Shoring .....	4,601.68	
<i>Note: Remove after use. Includes relocating support mats. Excludes anchors, bolts or additional steel if required.</i>		
34 05 43 00-0205 SF Relocate 1-3/8" A36 Steel Plates For Temporary Bridge Shoring .....	88.42	
<i>Note: Remove after use.</i>		
34 05 43 00-0206 LF Relocate HP12 x 63 For Temporary Bridge Shoring.....	73.63	
<i>Note: Remove after use.</i>		
34 05 43 00-0207 LF Relocate 3" x 3" x 3/8" Angle Iron For Temporary Bridge Shoring.....	14.67	
<i>Note: Remove after use.</i>		
34 05 43 00-0208 LF Relocate 4" x 4" x 3/8" Angle Iron For Temporary Bridge Shoring.....	17.81	
<i>Note: Remove after use.</i>		
34 05 43 00-0209 LF Relocate 7" x 4" x 3/4" Angle Iron For Temporary Bridge Shoring.....	36.59	
<i>Note: Remove after use.</i>		
34 05 43 00-0210 SF Relocate 7/8" A36 Steel Plates For Temporary Bridge Shoring.....	56.26	
<i>Note: Remove after use.</i>		
34 05 43 00-0211 LF Relocate MC7 x 19.1 For Temporary Bridge Shoring .....	42.69	
<i>Note: Remove after use.</i>		
34 05 43 00-0212 LF Relocate HP12 x 53 For Temporary Bridge Shoring.....	72.09	
<i>Note: Remove after use.</i>		
34 05 43 00-0213 SF Relocate 5/8" A36 Steel Plates For Temporary Bridge Shoring.....	40.19	
<i>Note: Remove after use.</i>		
34 05 43 00-0214 LF Relocate 7" x 4" x 5/8" Angle Iron For Temporary Bridge Shoring.....	32.87	
<i>Note: Remove after use.</i>		
34 05 43 00-0215 SF Relocate 1-1/2" A36 Steel Plates For Temporary Bridge Shoring .....	96.46	
<i>Note: Remove after use.</i>		
34 05 43 00-0216 LF Relocate MC18 x 51.9 For Temporary Bridge Shoring .....	123.23	
<i>Note: Remove after use.</i>		
34 05 43 00-0217 LF Relocate 5" x 3-1/2" x 3/4" Angle Iron For Temporary Bridge Shoring.....	27.65	
<i>Note: Remove after use.</i>		
<b>34 05 43 00-0218 Pier Caps And Pedestal Replacement For Bridges</b> <small>(34 05 43)</small>		
<i>See CSI section 03 15 19 00-0001 for anchor bolts.</i>		
34 05 43 00-0219 SF Bridge Wood Formwork For Seats, Pedestals, Pier Caps And Miscellaneous Areas For Bridges.....	27.35	
34 05 43 00-0220 CWT Rebar For Pier Cap Or Pedestals For Bridges .....	443.29	
34 05 43 00-0221 CY Pour Pedestals For Bridges.....	437.31	
34 05 43 00-0222 CY Demolish Concrete Pedestals For Bridges .....	4,286.65	
34 05 43 00-0223 CY Pour Pier Cap For Bridges.....	516.52	
34 05 43 00-0224 CY Demolish Concrete Pier Cap For Bridges.....	4,929.18	
<b>34 05 43 00-0225 Bridge Deck Repair</b> <small>(34 05 43)</small>		
<b>34 05 43 00-0226 Bridge Expansion Joint Repair</b> <small>(34 05 43 00-0225)</small>		
<i>Note: Replace header with semi-flexible polymer nosing system. Includes saw cutting, chipping, sandblasting, forming, backer rod cleaning, primer and debris removal. Excludes disposal.</i>		
34 05 43 00-0227 CF Removal And Replacement Of Header With Semi-Flexible Polymer Nosing System For Bridge Expansion Joint Repair.....	917.75	
34 05 43 00-0228 CF Removal And Replacement Of Header With Fast-Setting, Rapid-Hardening Structural Repair Mortar For Bridge Expansion Joint Repair.....	238.37	
<i>Note: Includes saw cutting, drilling, removing concrete, forming, cleaning, primer, concrete material, reinforcing, dowels, debris removal and disposal. Excludes seal.</i>		
<i>For Up To 24, Add</i>	39.21	
34 05 43 00-0229 CF Removal And Replacement Of Header With Polyester-Based Polymer Patch For Bridge Expansion Joint Repair.....	261.41	
<i>Note: Includes saw cutting, drilling, removing concrete, forming, cleaning, primer, concrete material, reinforcing, dowels, debris removal and disposal. Excludes seal.</i>		
<i>For Up To 24, Add</i>	41.51	
34 05 43 00-0230 CI Seal Expansion Joints With Rapid Cure Silicone For Bridge Expansion Joint Repair .....	8.75	
34 05 43 00-0231 CI Seal Expansion Joints With Closed Cell Foam/EVA For Bridge Expansion Joint Repair .....	0.86	
34 05 43 00-0232 LF Seal Expansion Joints With "V" Shape Preformed Silicone For Bridge Expansion Joint Repair.....	109.84	
34 05 43 00-0233 LF Seal Expansion Joints With "W" Shape Preformed Silicone For Bridge Expansion Joint Repair.....	116.90	
<b>34 05 43 00-0234 Cast In Place Strip Seal Expansion Joint With Neoprene Sealing Element For Concrete Bridge Deck</b> <small>(34 05 43 00-0225)</small>		
<i>Note: Includes steel profile and neoprene seal element. Demolition includes saw cutting and disposal of existing strip seal but excludes concrete removal.</i>		
34 05 43 00-0235 LF 1-1/4" x 3-3/4" Profile, Remove And Replace Cast In Place Strip Seal Expansion Joint With Neoprene Sealing Element For Concrete Bridge Deck .....	217.81	
34 05 43 00-0236 LF 1-7/8" x 8" Profile, Remove And Replace Cast In Place Strip Seal Expansion Joint With Neoprene Sealing Element For Concrete Bridge Deck .....	249.82	
34 05 43 00-0237 LF 1-1/4" x 2" Profile, Remove And Replace Cast In Place Strip Seal Expansion Joint With Neoprene Sealing Element For Concrete Bridge Deck .....	210.27	
34 05 43 00-0238 LF 1" x 1-1/2" Profile, Remove And Replace Cast In Place Strip Seal Expansion Joint With Neoprene Sealing Element For Concrete Bridge Deck .....	207.19	
<b>34 05 43 00-0239 Silicone Joint Sealant For Concrete Bridge Deck</b> <small>(34 05 43 00-0225)</small>		
<i>Note: Installation includes saw cutting, high pressure water wash, sand blast, sweeping, cleaning area, backer rod and silicone sealant.</i>		

**34 Transportation****34 05 Common Work Results for Transportation****34 05 43 Common Work Results for Bridges**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 05 43 00-0240 LF 1" x 1/2" Remove And Replace Expansion And Contraction Silicone Joint Sealant For Concrete Bridge Deck .....	26.10	
34 05 43 00-0241 LF 1-1/2" x 1/2" Remove And Replace Expansion And Contraction Silicone Joint Sealant For Concrete Bridge Deck .....	33.76	
34 05 43 00-0242 LF 2" x 1/2" Remove And Replace Expansion And Contraction Silicone Joint Sealant For Concrete Bridge Deck .....	45.52	
34 05 43 00-0243 LF 2-1/2" x 1/2" Remove And Replace Expansion And Contraction Silicone Joint Sealant For Concrete Bridge Deck .....	49.29	
<b>34 05 43 00-0244 V Shaped Preformed Extruded EPDM Expansion Joint For Concrete Bridge Deck</b> <small>(34 05 43 00-0225)</small>		
Note: Includes saw cutting, sand blasting, conditioner, epoxy, and backer rod.		
34 05 43 00-0245 LF 3" Remove And Replace V Shaped Preformed Extruded EPDM Expansion Joint For Concrete Bridge Deck .....	87.93	
34 05 43 00-0246 LF 4" Remove And Replace V Shaped Preformed Extruded EPDM Expansion Joint For Concrete Bridge Deck .....	92.89	
<b>34 05 43 00-0247 J Shaped Preformed Extruded Neoprene Expansion Joint For Concrete Bridge Deck</b> <small>(34 05 43 00-0225)</small>		
Note: Includes saw cutting, sand blasting, conditioner, and epoxy.		
34 05 43 00-0248 LF 2" Remove And Replace J Shaped Preformed Extruded Neoprene Expansion Joint For Concrete Bridge Deck .....	89.63	
34 05 43 00-0249 LF 2-1/2" Remove And Replace J Shaped Preformed Extruded Neoprene Expansion Joint For Concrete Bridge Deck .....	107.18	
34 05 43 00-0250 LF 3" Remove And Replace J Shaped Preformed Extruded Neoprene Expansion Joint For Concrete Bridge Deck .....	133.35	
34 05 43 00-0251 LF 3-1/2" Remove And Replace J Shaped Preformed Extruded Neoprene Expansion Joint For Concrete Bridge Deck .....	162.45	
34 05 43 00-0252 LF 4" Remove And Replace J Shaped Preformed Extruded Neoprene Expansion Joint For Concrete Bridge Deck .....	181.71	
34 05 43 00-0253 LF 5" Remove And Replace J Shaped Preformed Extruded Neoprene Expansion Joint For Concrete Bridge Deck .....	338.31	
<b>34 05 43 00-0254 Preformed Extruded Neoprene Compression Joint For Concrete Bridge Deck</b> <small>(34 05 43 00-0225)</small>		
Note: Includes saw cutting, sand blasting, and lubricant adhesive.		
34 05 43 00-0255 LF 1-1/4" x 1-1/4" Remove And Replace Preformed Extruded Neoprene Compression Joint For Concrete Bridge Deck .....	45.87	
34 05 43 00-0256 LF 1-5/8" x 1-7/8" Remove And Replace Preformed Extruded Neoprene Compression Joint For Concrete Bridge Deck .....	49.96	
34 05 43 00-0257 LF 1-3/4" x 1-3/4" Remove And Replace Preformed Extruded Neoprene Compression Joint For Concrete Bridge Deck .....	52.39	
34 05 43 00-0258 LF 2" x 2" Remove And Replace Preformed Extruded Neoprene Compression Joint For Concrete Bridge Deck .....	55.35	
34 05 43 00-0259 LF 2-1/2" x 2-1/2" Remove And Replace Preformed Extruded Neoprene Compression Joint For Concrete Bridge Deck .....	62.67	
34 05 43 00-0260 LF 3" x 3-1/4" Remove And Replace Preformed Extruded Neoprene Compression Joint For Concrete Bridge Deck .....	72.19	
34 05 43 00-0261 LF 3-1/2" x 3-1/2" Remove And Replace Preformed Extruded Neoprene Compression Joint For Concrete Bridge Deck .....	85.39	
34 05 43 00-0262 LF 4" x 4" Remove And Replace Preformed Extruded Neoprene Compression Joint For Concrete Bridge Deck .....	98.84	
34 05 43 00-0263 LF 4-1/2" x 4-1/2" Remove And Replace Preformed Extruded Neoprene Compression Joint For Concrete Bridge Deck .....	104.31	
34 05 43 00-0264 LF 5" x 5" Remove And Replace Preformed Extruded Neoprene Compression Joint For Concrete Bridge Deck .....	119.74	
34 05 43 00-0265 LF 6" x 6" Remove And Replace Preformed Extruded Neoprene Compression Joint For Concrete Bridge Deck .....	172.64	
<b>34 05 43 00-0266 Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Joint For Concrete Bridge Deck</b> <small>(34 05 43 00-0225)</small>		
Note: Includes saw cutting, sand blasting and epoxy.		
34 05 43 00-0267 LF 1/2" x 1-1/2" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Joint For Concrete Bridge Deck .....	43.54	
34 05 43 00-0268 LF 5/8" x 1-1/2" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Joint For Concrete Bridge Deck .....	44.89	
34 05 43 00-0269 LF 3/4" x 1-1/2" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Joint For Concrete Bridge Deck .....	46.24	
34 05 43 00-0270 LF 1" x 2" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Joint For Concrete Bridge Deck .....	48.14	
34 05 43 00-0271 LF 1-1/4" x 2" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Joint For Concrete Bridge Deck .....	50.08	
34 05 43 00-0272 LF 1-1/2" x 2-1/2" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Joint For Concrete Bridge Deck .....	78.64	
34 05 43 00-0273 LF 1-3/4" x 2-1/2" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Joint For Concrete Bridge Deck .....	84.17	
34 05 43 00-0274 LF 2" x 2-1/2" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Joint For Concrete Bridge Deck .....	87.74	
34 05 43 00-0275 LF 2-1/4" x 2-1/2" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Joint For Concrete Bridge Deck .....	93.67	
34 05 43 00-0276 LF 2-1/2" x 2-3/4" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Joint For Concrete Bridge Deck .....	100.45	
34 05 43 00-0277 LF 2-3/4" x 2-3/4" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Joint For Concrete Bridge Deck .....	107.55	
34 05 43 00-0278 LF 3" x 2-3/4" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Joint For Concrete Bridge Deck .....	110.95	
34 05 43 00-0279 LF 3-1/4" x 3-1/2" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Joint For Concrete Bridge Deck .....	123.40	
34 05 43 00-0280 LF 3-1/2" x 3-1/2" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Joint For Concrete Bridge Deck .....	133.63	
34 05 43 00-0281 LF 3-3/4" x 3-1/2" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Joint For Concrete Bridge Deck .....	142.29	
34 05 43 00-0282 LF 4" x 3-1/2" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Joint For Concrete Bridge Deck .....	145.79	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 05 43 00-0283 EA 3/4" x 1-1/2" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Universal 90 Degree Fitting For Concrete Bridge Deck.....	181.77	
34 05 43 00-0284 EA 1" x 2" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Universal 90 Degree Fitting For Concrete Bridge Deck.....	187.86	
34 05 43 00-0285 EA 1-1/4" x 2" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Universal 90 Degree Fitting For Concrete Bridge Deck.....	222.26	
34 05 43 00-0286 EA 1-1/2" x 2-1/2" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Universal 90 Degree Fitting For Concrete Bridge Deck.....	232.64	
34 05 43 00-0287 EA 1-3/4" x 2-1/2" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Universal 90 Degree Fitting For Concrete Bridge Deck.....	240.00	
34 05 43 00-0288 EA 2" x 2-1/2" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Universal 90 Degree Fitting For Concrete Bridge Deck.....	279.70	
34 05 43 00-0289 EA 2-1/4" x 2-1/2" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Universal 90 Degree Fitting For Concrete Bridge Deck.....	287.44	
34 05 43 00-0290 EA 2-1/2" x 2-3/4" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Universal 90 Degree Fitting For Concrete Bridge Deck.....	296.65	
34 05 43 00-0291 EA 2-3/4" x 2-3/4" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Universal 90 Degree Fitting For Concrete Bridge Deck.....	306.37	
34 05 43 00-0292 EA 3" x 2-3/4" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Universal 90 Degree Fitting For Concrete Bridge Deck.....	357.81	
34 05 43 00-0293 EA 3-1/4" x 3-1/2" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Universal 90 Degree Fitting For Concrete Bridge Deck.....	376.76	
34 05 43 00-0294 EA 3-1/2" x 3-1/2" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Universal 90 Degree Fitting For Concrete Bridge Deck.....	391.85	
34 05 43 00-0295 EA 3-3/4" x 3-1/2" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Universal 90 Degree Fitting For Concrete Bridge Deck.....	404.28	
34 05 43 00-0296 EA 4" x 3-1/2" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Universal 90 Degree Fitting For Concrete Bridge Deck.....	408.68	
<b>34 05 43 00-0297 Remove Existing Steel Joint System (34 05 43 00-0225)</b>		
34 05 43 00-0298 LF Removal Of Existing Steel Joint System.....	63.84	
<b>34 05 43 00-0299 Break-Up And Remove Bridge Decking By Machine (34 05 43 00-0225)</b>		
Note: Includes work around obstacles, breaking into manageable sizes by machine and loading into truck, dumpster or moving material to stockpile. Excludes saw cutting. See CSI section 02 41 19 13-0057 for saw cutting.		
34 05 43 00-0300 SY Break-Up And Remove Up To 3" Thick Bituminous Pavement Bridge Decking By Machine.....	21.13	
<i>For &gt;500 To 1,000, Deduct</i>	-2.11	
<i>For &gt;1,000 To 2,500, Deduct</i>	-3.80	
<i>For &gt;2,500 To 5,000, Deduct</i>	-5.49	
<i>For &gt;5,000 To 10,000, Deduct</i>	-7.18	
<i>For &gt;10,000, Deduct</i>	-8.87	
34 05 43 00-0301 SY Break-Up And Remove >3" To 6" Thick Bituminous Pavement Bridge Decking By Machine.....	28.85	
<i>For &gt;500 To 1,000, Deduct</i>	-2.89	
<i>For &gt;1,000 To 2,500, Deduct</i>	-5.19	
<i>For &gt;2,500 To 5,000, Deduct</i>	-7.50	
<i>For &gt;5,000 To 10,000, Deduct</i>	-9.81	
<i>For &gt;10,000, Deduct</i>	-12.12	
34 05 43 00-0302 SY Break-Up And Remove To 3" Thick Concrete With Reinforcing Bridge Decking By Machine.....	34.99	
<i>For &gt;500 To 1,000, Deduct</i>	-3.50	
<i>For &gt;1,000 To 2,500, Deduct</i>	-6.30	
<i>For &gt;2,500 To 5,000, Deduct</i>	-9.10	
<i>For &gt;5,000 To 10,000, Deduct</i>	-11.90	
<i>For &gt;10,000, Deduct</i>	-14.70	
34 05 43 00-0303 SY Break-Up And Remove > 3" To 6" Thick Concrete With Reinforcing Bridge Decking By Machine.....	45.00	
<i>For &gt;500 To 1,000, Deduct</i>	-4.50	
<i>For &gt;1,000 To 2,500, Deduct</i>	-8.10	
<i>For &gt;2,500 To 5,000, Deduct</i>	-11.70	
<i>For &gt;5,000 To 10,000, Deduct</i>	-15.30	
<i>For &gt;10,000, Deduct</i>	-18.90	
34 05 43 00-0304 SY Break-Up And Remove > 6" To 9" Thick Concrete With Reinforcing Bridge Decking By Machine.....	80.45	
<i>For &gt;500 To 1,000, Deduct</i>	-8.05	
<i>For &gt;1,000 To 2,500, Deduct</i>	-14.48	
<i>For &gt;2,500 To 5,000, Deduct</i>	-20.92	
<i>For &gt;5,000 To 10,000, Deduct</i>	-27.35	
<i>For &gt;10,000, Deduct</i>	-33.79	
34 05 43 00-0305 SY Break-Up And Remove >9" To 14" Thick Concrete With Reinforcing Bridge Decking By Machine.....	104.98	
<i>For &gt;500 To 1,000, Deduct</i>	-10.50	
<i>For &gt;1,000 To 2,500, Deduct</i>	-18.90	
<i>For &gt;2,500 To 5,000, Deduct</i>	-27.29	
<i>For &gt;5,000 To 10,000, Deduct</i>	-35.69	
<i>For &gt;10,000, Deduct</i>	-44.09	
34 05 43 00-0306 SY Break-Up And Remove >14" To 19" Thick Concrete With Reinforcing Bridge Decking By Machine.....	137.26	
<i>For &gt;500 To 1,000, Deduct</i>	-13.73	
<i>For &gt;1,000 To 2,500, Deduct</i>	-24.71	
<i>For &gt;2,500 To 5,000, Deduct</i>	-35.69	
<i>For &gt;5,000 To 10,000, Deduct</i>	-46.67	
<i>For &gt;10,000, Deduct</i>	-57.65	

**34 Transportation****34 05 Common Work Results for Transportation****34 05 43 Common Work Results for Bridges**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 05 43 00-0307 SY Break-Up And Remove >19" To 24" Thick Concrete With Reinforcing Bridge Decking By Machine .....	166.57	
For >500 To 1,000, Deduct	-16.66	
For >1,000 To 2,500, Deduct	-29.98	
For >2,500 To 5,000, Deduct	-43.31	
For >5,000 To 10,000, Deduct	-56.63	
For >10,000, Deduct	-69.96	
<b>34 05 43 00-0308 Break-Up And Remove Bridge Decking By Hand</b> <small>(34 05 43 00-0225)</small>		
Note: Includes work around obstacles. Work includes breaking into manageable size with jackhammer and hand tools, removal and loading onto a truck or dumpster. For individual work areas up to 100 SF where conventional equipment access is limited or prohibited. Task is only to be used when requested by owner. Excludes saw cutting. See CSI section 02 41 19 13-0057 for saw cutting.		
34 05 43 00-0309 SF Break-Up And Remove 1" To 3" Thick Bituminous Pavement Bridge Decking By Hand .....	12.97	
Note: Includes jackhammer and hand tools.		
34 05 43 00-0310 SF Break-Up And Remove >3" To 6" Thick Bituminous Pavement Bridge Decking By Hand .....	17.06	
Note: Includes jackhammer and hand tools.		
34 05 43 00-0311 SF Break-Up And Remove >6" To 8" Thick Bituminous Pavement Bridge Decking By Hand .....	22.18	
Note: Includes jackhammer and hand tools.		
34 05 43 00-0312 SF Break-Up And Remove 1" To 3" Thick Concrete Bridge Decking By Hand .....	16.20	
Note: Includes jackhammer and hand tools.		
34 05 43 00-0313 SF Break-Up And Remove >3" To 6" Thick Concrete Bridge Decking By Hand .....	20.25	
Note: Includes jackhammer and hand tools.		
34 05 43 00-0314 SF Break-Up And Remove >6" To 8" Thick Concrete Bridge Decking By Hand .....	24.31	
Note: Includes jackhammer and hand tools.		
34 05 43 00-0315 SF Chipping And Cleaning Of Bridge Deck After Break-up And Removals.....	5.45	
<b>34 05 43 00-0316 Hydro Blasting Of Bridge Decks</b> <small>(34 05 43 00-0225)</small>		
Note: Excludes hauling and disposal of water and debris.		
34 05 43 00-0317 EA Mobilization Of Hydro Blasting Equipment.....	13,643.75	
Note: Includes trailer with power, hydro milling machine, vacuum machine.		
34 05 43 00-0318 EA Mobilization Of Hydro Blasting Equipment.....	1,771.92	
Note: Includes water tank, pump and miscellaneous fittings.		
34 05 43 00-0319 SF Hydroblasting Of Up To 2-1/2" Of Bridge Decks .....	11.38	
34 05 43 00-0320 SF Vacuuming And Cleaning Of Bridge Decks Up To 2-1/2", Following Hydroblasting .....	8.41	
34 05 43 00-0321 SF Chipping And Cleaning Of Bridge Deck After Hydroblasting And Vacuum Up To 2-1/2" .....	2.08	
34 05 43 00-0322 SF Hydroblasting 3" To 4-1/2" Of Bridge Decks .....	16.83	
34 05 43 00-0323 SF Vacuuming And Cleaning Of Bridge Decks 3" To 4-1/2", Following Hydroblasting.....	11.38	
34 05 43 00-0324 SF Chipping And Cleaning Of Bridge Deck After Hydroblasting And Vacuum 3" To 4-1/2" .....	5.45	
34 05 43 00-0325 GAL Water For Hydro Blasting.....	0.18	
Note: Includes delivery.		
<b>34 05 43 00-0326 Patch For Bridge Deck</b> <small>(34 05 43 00-0225)</small>		
34 05 43 00-0327 CF Fast-Setting, Rapid-Hardening Structural Repair Mortar For Bridge Deck.....	122.90	
Note: Includes forming, cleaning, primer, and concrete material. Excludes reinforcing, dowels, and seal.		
34 05 43 00-0328 CF Polyester-Based Polymer Patch For Bridge Deck .....	145.94	
Note: Includes forming, cleaning, primer, and concrete material. Excludes reinforcing, dowels, and seal.		
34 05 43 00-0329 SF Hand Placed Hot Mixed Asphalt Repair For Bridge Approach.....	24.38	
Note: Includes removal of HMA, tack coat, and installation of HMA and compaction by roller.		
<b>34 05 43 00-0330 Pressure Washing For Bridge Deck</b> <small>(34 05 43 00-0225)</small>		
34 05 43 00-0331 SF Pressure Washing For Bridge Deck.....	0.09	
Note: Includes pressure washer and water.		
<b>34 05 43 00-0332 Galvanic Anodes For Bridges</b> <small>(34 05 43)</small>		
34 05 43 00-0333 EA 2.6" Diameter x 1.2" Deep , Anode Type 1A Class P, Galvanic Anodes Embedded In Concrete Patch (Galvashield® XP) .....	57.65	
Note: Corrosion prevention only (preventing the initiation of corrosion).		
34 05 43 00-0334 EA 4.9" Long x 1.0" Wide x 1.0" Deep , Anode Type 1A Class P, Galvanic Anodes Embedded In Concrete Patch (Galvashield® XPT) .....	57.65	
Note: Corrosion prevention only (preventing the initiation of corrosion).		
34 05 43 00-0335 EA 2.8" Long x 2.4" Wide x 1.2" Deep , Anode Type 1A Class C, Galvanic Anodes Embedded In Concrete Patch (Galvashield® XP2) .....	65.93	
Note: Corrosion control (reducing existing active corrosion) and corrosion prevention (preventing the initiation of corrosion).		
34 05 43 00-0336 EA 4.3" Long x 2.2" Wide x 1.2" Deep , Anode Type 1A Class C, Galvanic Anodes Embedded In Concrete Patch (Galvashield® XP4) .....	72.22	
Note: Corrosion control (reducing existing active corrosion) and corrosion prevention (preventing the initiation of corrosion).		
34 05 43 00-0337 EA 2.5" Diameter x 1.1" Deep , Anode Type 1A Class C, Galvanic Anodes Embedded In Concrete Patch (Galvashield® XP+) .....	65.93	
Note: Corrosion control (reducing existing active corrosion) and corrosion prevention (preventing the initiation of corrosion).		
34 05 43 00-0338 EA 1-3/4" Diameter x 2-1/2" Long, Anode Type 2A Class C, Galvanic Anodes Embedded In Concrete Patch (Galvashield® CC65) .....	68.02	
Note: Corrosion control (reducing existing active corrosion) and corrosion prevention (preventing the initiation of corrosion).		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 05 43 00-0339 EA 1-3/4" Diameter x 4" Long, Anode Type 2A Class C, Galvanic Anodes Embedded In Concrete Patch (Galvashield® CC100 ).....	82.70	
Note: Corrosion control (reducing existing active corrosion) and corrosion prevention (preventing the initiation of corrosion).		
34 05 43 00-0340 EA 1-1/8" Diameter x 5-3/8" Long, Anode Type 2A Class C, Galvanic Anodes Embedded In Concrete Patch (Galvashield® CC135).....	76.41	
Note: Corrosion control (reducing existing active corrosion) and corrosion prevention (preventing the initiation of corrosion).		
<b>34 05 43 00-0341 Bridge Netting Panels (34 05 43)</b>		
34 05 43 00-0342 SF Bridge Netting Panel.....	9.78	
Note: Includes cable, beam clamps to attach to the bridge structure without the need for drilling/welding and snap hooks for attaching the net.		
For Up To 160, Add	9.04	
For >160 To 320, Add	4.52	
For >320 To 480, Add	2.26	
For >2,000 To 10,000, Deduct	-0.43	
For >10,000 To 25,000, Deduct	-0.87	
For >25,000, Deduct	-1.30	
<b>34 05 43 00-0343 Anchors For Bridges (34 05 43)</b>		
Note: Excludes core drilling. See CSI section 02 41 19 13-0080 for core drilling.		
<b>34 05 43 00-0344 Threaded Rod, A449 (34 05 43 00-0343)</b>		
34 05 43 00-0345 LF 7/8" Diameter Continuous Threaded Rod, A449.....	20.78	
34 05 43 00-0346 LF 1" Diameter Continuous Threaded Rod, A449.....	24.73	
34 05 43 00-0347 LF 1-1/8" Diameter Continuous Threaded Rod, A449.....	28.65	
34 05 43 00-0348 LF 1-1/4" Diameter Continuous Threaded Rod, A449.....	36.20	
<b>34 05 43 00-0349 Flat Washers, F436 (34 05 43 00-0343)</b>		
34 05 43 00-0350 EA 7/8" Flat Washer, F436.....	2.23	
34 05 43 00-0351 EA 1" Flat Washer, F436.....	2.59	
34 05 43 00-0352 EA 1-1/8" Flat Washer, F436.....	2.84	
34 05 43 00-0353 EA 1-1/4" Flat Washer, F436.....	3.25	
<b>34 05 43 00-0354 Heavy Hex Nut, A194 (34 05 43 00-0343)</b>		
34 05 43 00-0355 EA 7/8" Hex Nut, A194.....	4.50	
34 05 43 00-0356 EA 1" Hex Nut, A194.....	6.12	
34 05 43 00-0357 EA 1-1/8" Hex Nut, A194.....	7.28	
34 05 43 00-0358 EA 1-1/4" Hex Nut, A194.....	8.69	
<b>34 05 43 00-0359 Grout For Threaded Rod (34 05 43 00-0343)</b>		
34 05 43 00-0360 IN Grout 7/8" Rod In Hole.....	2.90	
34 05 43 00-0361 IN Grout 1" Rod In Hole.....	3.30	
34 05 43 00-0362 IN Grout 1-1/8" Rod In Hole.....	3.85	
34 05 43 00-0363 IN Grout 1-1/4" Rod In Hole.....	4.60	
<b>34 05 43 00-0364 Test Grouted Anchor (34 05 43 00-0343)</b>		
34 05 43 00-0365 EA Test Grouted Anchor.....	35.31	
<b>34 05 43 00-0366 Removal Of Fasteners Or Anchors In Concrete (34 05 43 00-0343)</b>		
Note: Includes removal of damaged, chemically adhered or mechanically fastened bolts, studs, threaded rod or concrete anchors with a carbide drill bit.		
34 05 43 00-0367 EA Drill Out 3/8" Diameter Fastener/Anchor In Concrete.....	27.61	
34 05 43 00-0368 EA Drill Out 1/2" Diameter Fastener/Anchor In Concrete.....	29.70	
34 05 43 00-0369 EA Drill Out 9/16" Diameter Fastener/Anchor In Concrete.....	31.18	
34 05 43 00-0370 EA Drill Out 5/8" Diameter Fastener/Anchor In Concrete.....	34.02	
34 05 43 00-0371 EA Drill Out 3/4" Diameter Fastener/Anchor In Concrete.....	37.18	
34 05 43 00-0372 EA Drill Out 7/8" Diameter Fastener/Anchor In Concrete.....	41.21	
34 05 43 00-0373 EA Drill Out 1" Diameter Fastener/Anchor In Concrete.....	43.60	
34 05 43 00-0374 EA Drill Out 1-1/8" Diameter Fastener/Anchor In Concrete.....	46.45	
34 05 43 00-0375 EA Drill Out 1-1/4" Diameter Fastener/Anchor In Concrete.....	50.03	
34 05 43 00-0376 EA Drill Out 1-1/2" Diameter Fastener/Anchor In Concrete.....	56.09	
<b>34 05 43 00-0377 Bridge Surfacing (34 05 43)</b>		
<b>34 05 43 00-0378 Bridge Coatings (34 05 43 00-0377)</b>		
Note: Includes sweeping of bridge deck.		
34 05 43 00-0379 SF Penetrating Corrosion Inhibitor Sealer For Bridge Decks (Two Coats).....	1.17	
Note: Includes power washing and drying after power washing.		
34 05 43 00-0380 SF Protective Seal Coat For Existing Bridge Decks.....	2.14	
34 05 43 00-0381 SF Penetrating Sealer For Existing Bridge Decks.....	3.54	

**34 Transportation**  
**34 05 Common Work Results for Transportation**  
**34 05 43 Common Work Results for Bridges**



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>34 05 43 00-0382 Bridge Membranes</b> <small>(34 05 43 00-0377)</small> Note: Excludes abrasive blasting of deck.		
34 05 43 00-0383 SF Spray Applied Waterproofing Membrane For Bridge Decks .....	13.33	
34 05 43 00-0384 SF Sheet Applied Waterproofing Membrane For Bridge Decks .....	3.89	
<b>34 05 43 00-0385 Sealer And Overlay For Bridge Deck</b> <small>(34 05 43 00-0377)</small> Note: Excludes sweeping, cleaning and abrasive blasting.		
34 05 43 00-0386 SY Shot Blasting Bridge Decks .....	13.72	
Note: Includes steel ball media. Includes air cleaning of deck surface after shot blasting.		
34 05 43 00-0387 SY Thin Polymer (Epoxy) Overlay For Bridge Deck .....	91.20	
Note: Includes epoxy overlay applied in two coats with aggregate.		
34 05 43 00-0388 SY 3/4" Thin Polyester Polymer Overlay Wearing Surface For Bridge Deck .....	161.84	
Note: Includes HMWM resin primer and polyester concrete. Excludes finishing sand.		
34 05 43 00-0389 SY 1" Thin Polyester Polymer Overlay Wearing Surface For Bridge Deck .....	185.95	
Note: Includes HMWM resin primer and polyester concrete. Excludes finishing sand.		
34 05 43 00-0390 SY 1-1/2" Thin Polyester Polymer Overlay Wearing Surface For Bridge Deck .....	239.56	
Note: Includes HMWM resin primer and polyester concrete. Excludes finishing sand.		
34 05 43 00-0391 SY 2" Thin Polyester Polymer Overlay Wearing Surface For Bridge Deck .....	293.15	
Note: Includes HMWM resin primer and polyester concrete. Excludes finishing sand.		
34 05 43 00-0392 SY 2-1/2" Thin Polyester Polymer Overlay Wearing Surface For Bridge Deck .....	346.75	
Note: Includes HMWM resin primer and polyester concrete. Excludes finishing sand.		
34 05 43 00-0393 SY 3" Thin Polyester Polymer Overlay Wearing Surface For Bridge Deck .....	400.36	
Note: Includes HMWM resin primer and polyester concrete. Excludes finishing sand.		
<b>34 05 43 00-0394 Broadcast Silica Sand</b> <small>(34 05 43 00-0377)</small> Note: Includes removing loose sand..		
34 05 43 00-0395 SF Broadcast Silica Sand.....	0.30	
<b>34 05 43 00-0396 Sweeping And Cleaning Of Bridge Deck</b> <small>(34 05 43 00-0377)</small> See CSI section 01 22 23 00-1230 for water trucks, 01 22 23 00-1248 for vacuum sweeper trucks.		
<b>34 05 43 00-0397 Concrete Overlay For Bridge Deck</b> <small>(34 05 43 00-0377)</small> Note: Includes sweeping and cleaning. Excludes abrasive blasting.		
34 05 43 00-0398 SY 3" Concrete Overlay For Bridge Deck .....	175.19	
For DOT Class DP, Add	35.53	
For DOT Class E, Add	11.59	
For DOT Class HP, Add	33.92	
<b>34 05 43 00-0399 Bridge Roadway Grooving</b> <small>(34 05 43 00-0377)</small>		
34 05 43 00-0400 EA Up To 500 SY Of Bridge Pavement Grooving, Concrete, Longitudinal .....	4,080.30	
34 05 43 00-0401 SY Each SY Over First 500 SY Of Bridge Pavement Grooving, Concrete, Longitudinal .....	6.60	
34 05 43 00-0402 EA Up To 500 SY Of Bridge Pavement Grooving, Concrete, Traverse .....	4,545.61	
34 05 43 00-0403 SY Each SY Over First 500 SY Of Bridge Pavement Grooving, Concrete, Traverse .....	8.61	
<b>34 05 43 00-0404 Gravity Fed Concrete Crack Repair</b> <small>(34 05 43 00-0377)</small> Note: Includes removing loose materials and cleaning.		
34 05 43 00-0405 LF Epoxy Low Viscosity Gravity Fed Concrete Crack Repair .....	3.57	
34 05 43 00-0406 LF HMWM Low Viscosity Gravity Fed Concrete Crack Repair .....	4.17	
<b>34 05 43 00-0407 Concrete Pumping With Boom Truck</b> <small>(34 05 43 00-0377)</small> See CSI section 03 31 13 00-0010 for concrete delivery for small quantities, 03 37 16 00-0001 for concrete pump truck.		
<b>34 05 43 00-0408 Bridge Girder Repair</b> <small>(34 05 43)</small>		
<b>34 05 43 00-0409 Bridge Girder Repair</b> <small>(34 05 43 00-0408)</small> Note: Does not include mobilization of bridge jacking crew. See CSI section 05 05 23 00-0046 for bolts, nuts and washers, 05 12 23 00-0000 for additional steel shapes, angles and channels.		
34 05 43 00-0410 HR UT, MT, PT Testing.....	75.00	
Note: Does not include mileage to job site.		
34 05 43 00-0411 EA Mobilization of Bridge Girder Repair Crew .....	2,430.26	
34 05 43 00-0412 LF 3" x 3" x 1/4" Angle Iron For Bridge Repair .....	14.95	5.58
Cutting Fee For Channels And Angles, Add Per Each Piece	20.00	
For Fractured Critical, Add	20.00	
For Stainless Steel, Add	24.00	
For Aluminum, Add	1.35	
For Galvanized Steel, Add	4.65	
34 05 43 00-0413 LF 4" x 4" x 1/4" Angle Iron For Bridge Repair .....	19.22	6.81
Cutting Fee For Channels And Angles, Add Per Each Piece	20.00	
For Fractured Critical, Add	20.00	
For Stainless Steel, Add	32.42	
For Aluminum, Add	1.82	
For Galvanized Steel, Add	6.28	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 05 43 00-0414 LF 3" x 3" x 3/8" Angle Iron For Bridge Repair.....	19.40	6.29
Cutting Fee For Channels And Angles, Add Per Each Piece	20.00	
For Fractured Critical, Add	20.00	
For Stainless Steel, Add	35.26	
For Aluminum, Add	1.98	
For Galvanized Steel, Add	6.83	
34 05 43 00-0415 LF 4" x 4" x 3/8" Angle Iron For Bridge Repair.....	25.19	7.64
Cutting Fee For Channels And Angles, Add Per Each Piece	20.00	
For Fractured Critical, Add	20.00	
For Stainless Steel, Add	48.00	
For Aluminum, Add	2.70	
For Galvanized Steel, Add	9.30	
34 05 43 00-0416 LF 6" x 4" x 3/8" Angle Iron For Bridge Repair.....	32.17	9.98
Cutting Fee For Channels And Angles, Add Per Each Piece	20.00	
For Fractured Critical, Add	20.00	
For Stainless Steel, Add	60.42	
For Aluminum, Add	3.40	
For Galvanized Steel, Add	11.71	
34 05 43 00-0417 LF 6" x 6" x 3/8" Angle Iron For Bridge Repair.....	36.16	9.98
Cutting Fee For Channels And Angles, Add Per Each Piece	20.00	
For Fractured Critical, Add	20.00	
For Stainless Steel, Add	73.18	
For Aluminum, Add	4.12	
For Galvanized Steel, Add	14.18	
34 05 43 00-0418 LF 6" x 6" x 1/2" Angle Iron For Bridge Repair.....	47.93	13.39
Cutting Fee For Channels And Angles, Add Per Each Piece	20.00	
For Fractured Critical, Add	20.00	
For Stainless Steel, Add	96.26	
For Aluminum, Add	5.41	
For Galvanized Steel, Add	18.65	
34 05 43 00-0419 LF 7" x 4" x 5/8" Angle Iron For Bridge Repair.....	52.73	14.11
Cutting Fee For Channels And Angles, Add Per Each Piece	20.00	
For Fractured Critical, Add	20.00	
For Stainless Steel, Add	108.54	
For Aluminum, Add	6.11	
For Galvanized Steel, Add	21.03	
34 05 43 00-0420 LF 5" x 3-1/2" x 3/4" Angle Iron For Bridge Repair.....	46.19	11.85
Cutting Fee For Channels And Angles, Add Per Each Piece	20.00	
For Fractured Critical, Add	20.00	
For Stainless Steel, Add	97.25	
For Aluminum, Add	5.47	
For Galvanized Steel, Add	18.84	
34 05 43 00-0421 LF 6" x 4" x 3/4" Angle Iron For Bridge Repair.....	55.06	14.13
Cutting Fee For Channels And Angles, Add Per Each Piece	20.00	
For Fractured Critical, Add	20.00	
For Stainless Steel, Add	115.94	
For Aluminum, Add	6.52	
For Galvanized Steel, Add	22.46	
34 05 43 00-0422 LF 7" x 4" x 3/4" Angle Iron For Bridge Repair.....	61.12	15.68
Cutting Fee For Channels And Angles, Add Per Each Piece	20.00	
For Fractured Critical, Add	20.00	
For Stainless Steel, Add	128.67	
For Aluminum, Add	7.24	
For Galvanized Steel, Add	24.93	
34 05 43 00-0423 LF 8" x 6" x 7/8" Angle Iron For Bridge Repair.....	89.14	21.84
Cutting Fee For Channels And Angles, Add Per Each Piece	20.00	
For Fractured Critical, Add	20.00	
For Stainless Steel, Add	192.06	
For Aluminum, Add	10.80	
For Galvanized Steel, Add	37.21	
34 05 43 00-0424 LF C4 x 5.4 - 4" Wide Channels For Bridge Repair .....	17.86	7.18
Cutting Fee For Channels And Angles, Add Per Each Piece	20.00	
For Fractured Critical, Add	20.00	
For Stainless Steel, Add	26.53	
For Aluminum, Add	1.49	
For Galvanized Steel, Add	5.14	
34 05 43 00-0425 LF C6 x 8.2 - 6" Wide Channels For Bridge Repair .....	25.98	10.06
Cutting Fee For Channels And Angles, Add Per Each Piece	20.00	
For Fractured Critical, Add	20.00	
For Stainless Steel, Add	40.26	
For Aluminum, Add	2.26	
For Galvanized Steel, Add	7.80	
34 05 43 00-0426 LF C8 x 11.5 - 8" Wide Channels For Bridge Repair .....	35.21	13.17
Cutting Fee For Channels And Angles, Add Per Each Piece	20.00	
For Fractured Critical, Add	20.00	
For Stainless Steel, Add	56.48	
For Aluminum, Add	3.18	
For Galvanized Steel, Add	10.94	
34 05 43 00-0427 LF C10 x 15.3 - 10" Wide Channels For Bridge Repair .....	46.84	17.51
Cutting Fee For Channels And Angles, Add Per Each Piece	20.00	
For Fractured Critical, Add	20.00	
For Stainless Steel, Add	75.14	
For Aluminum, Add	4.23	
For Galvanized Steel, Add	14.56	

**34 Transportation**  
**34 05 Common Work Results for Transportation**  
**34 05 43 Common Work Results for Bridges**



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 05 43 00-0428 LF C12 x 20.7 - 12" Wide Channels For Bridge Repair.....	63.37	23.71
<i>Cutting Fee For Channels And Angles, Add Per Each Piece</i>	20.00	
<i>For Fractured Critical, Add</i>	20.00	
<i>For Stainless Steel, Add</i>	101.66	
<i>For Aluminum, Add</i>	5.72	
<i>For Galvanized Steel, Add</i>	19.70	
34 05 43 00-0429 LF C15 x 33.9 - 15" Wide Channels For Bridge Repair.....	103.77	38.81
<i>Cutting Fee For Channels And Angles, Add Per Each Piece</i>	20.00	
<i>For Fractured Critical, Add</i>	20.00	
<i>For Stainless Steel, Add</i>	166.46	
<i>For Aluminum, Add</i>	9.36	
<i>For Galvanized Steel, Add</i>	32.25	
34 05 43 00-0430 SF 1/2" A36 Steel Plates For Bridge Repair.....	63.36	15.28
<i>For A50 Grade Steel, Add</i>	2.36	
<i>Cutting Fee For Plates 1/2" And Over, Add Per Each Piece</i>	30.00	
<i>For Fractured Critical, Add</i>	20.00	
34 05 43 00-0431 SF 5/8" A36 Steel Plates For Bridge Repair.....	79.19	19.09
<i>For A50 Grade Steel, Add</i>	2.96	
<i>Cutting Fee For Plates 1/2" And Over, Add Per Each Piece</i>	30.00	
<i>For Fractured Critical, Add</i>	20.00	
34 05 43 00-0432 SF 3/4" A36 Steel Plates For Bridge Repair.....	95.03	22.80
<i>For A50 Grade Steel, Add</i>	3.55	
<i>Cutting Fee For Plates 1/2" And Over, Add Per Each Piece</i>	30.00	
<i>For Fractured Critical, Add</i>	20.00	
34 05 43 00-0433 SF 7/8" A36 Steel Plates For Bridge Repair.....	110.87	26.73
<i>For A50 Grade Steel, Add</i>	4.14	
<i>Cutting Fee For Plates 1/2" And Over, Add Per Each Piece</i>	30.00	
<i>For Fractured Critical, Add</i>	20.00	
34 05 43 00-0434 SF 1" A36 Steel Plates For Bridge Repair.....	126.71	30.55
<i>For A50 Grade Steel, Add</i>	4.73	
<i>Cutting Fee For Plates 1/2" And Over, Add Per Each Piece</i>	30.00	
<i>For Fractured Critical, Add</i>	20.00	
34 05 43 00-0435 SF 1-1/4" A36 Steel Plates For Bridge Repair.....	158.39	38.18
<i>For A50 Grade Steel, Add</i>	5.91	
<i>Cutting Fee For Plates 1/2" And Over, Add Per Each Piece</i>	30.00	
<i>For Fractured Critical, Add</i>	20.00	
34 05 43 00-0436 SF 1-3/8" A36 Steel Plates For Bridge Repair.....	174.24	42.00
<i>For A50 Grade Steel, Add</i>	6.50	
<i>Cutting Fee For Plates 1/2" And Over, Add Per Each Piece</i>	30.00	
<i>For Fractured Critical, Add</i>	20.00	
34 05 43 00-0437 SF 1-1/2" A36 Steel Plates For Bridge Repair.....	190.08	45.82
<i>For A50 Grade Steel, Add</i>	7.09	
<i>Cutting Fee For Plates 1/2" And Over, Add Per Each Piece</i>	30.00	
<i>For Fractured Critical, Add</i>	20.00	
34 05 43 00-0438 CWT Removal Of Existing Steel For Bridge Repair A36.....	66.33	
Note: For use with angles, channels and steel plates up to 5' x 5'.		
<i>For Removal Over 30' To 50', Add</i>	13.27	
<i>For Removal Over 50' To 75', Add</i>	23.22	
<i>For Removal Over 75', Add</i>	33.17	
34 05 43 00-0439 TON Removal Of Existing Steel For Bridge Repair A36.....	884.45	
Note: For use with I-beams, floor beams and plates over 5' x 5'.		
<i>For Removal Over 30' To 50', Add</i>	176.89	
<i>For Removal Over 50' To 75', Add</i>	309.56	
<i>For Removal Over 75', Add</i>	442.23	
34 05 43 00-0440 CWT Miscellaneous Steel For Bridge Repair A36.....	491.67	
Note: For use with angles, channels and steel plates up to 5' x 5'.		
<i>For A50 Grade Steel, Add</i>	85.07	
<i>Cutting Fee For Plates 1/2" And Over, Add Per Each Piece</i>	30.00	
<i>Cutting Fee For Channels And Angles, Add Per Each Piece</i>	20.00	
34 05 43 00-0441 TON Miscellaneous Steel For Bridge Repair A36.....	7,866.12	
Note: For use with I-beams, floor beams and plates over 5' x 5'.		
<i>For A50 Grade Steel, Add</i>	1,396.33	
<i>Cutting Fee For I-beams, Floor Beams And Plates Over 5' x 5', Add Per Each Piece</i>	30.00	
34 05 43 00-0442 EA Field Or Shop Drilled Holes In Miscellaneous Steel For Bridge Repair Up To 15/16" Diameter.....	37.40	
Note: Per each hole drilled per steel member.		
34 05 43 00-0443 EA Field Or Shop Drilled Holes In Miscellaneous Steel For Bridge Repair >15/16" Diameter.....	48.60	
Note: Per each hole drilled per steel member.		
34 05 43 00-0444 EA Bolts A325 For Steel Repair Connections Up To 7/8".....	31.77	2.13
34 05 43 00-0445 EA Bridge Girder Rivet Removal.....	329.86	
34 05 43 00-0446 LF Up To 1/2" Thick Edge Grinding, Smoothing Surface After Torch Cutting.....	7.17	
Note: Includes rust or scale removal.		
34 05 43 00-0447 LF >1/2" To 1" Thick Edge Grinding, Smoothing Surface After Torch Cutting.....	12.49	
Note: Includes rust or scale removal.		
34 05 43 00-0448 LF >1" To 1-1/2" Thick Edge Grinding, Smoothing Surface After Torch Cutting.....	17.81	
Note: Includes rust or scale removal.		
34 05 43 00-0449 LF >1-1/2" To 2" Thick Edge Grinding, Smoothing Surface After Torch Cutting.....	23.13	
Note: Includes rust or scale removal.		
34 05 43 00-0450 LF >2" To 2-1/2" Thick Edge Grinding, Smoothing Surface After Torch Cutting.....	28.45	
Note: Includes rust or scale removal.		
34 05 43 00-0451 LF >2-1/2" To 3" Thick Edge Grinding, Smoothing Surface After Torch Cutting.....	33.77	
Note: Includes rust or scale removal.		

34 05 43 00-0452 Cleaning And Preparation Of Painted And Unpainted Metal Surfaces (34 05 43 00-0408)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 05 43 00-0453 SF Loose Mill Scale With Fine Powder, Commercial Blast, Surface Preparation, Bridge Girder Repair.....	1.08	
<i>For Up To 100, Add</i>	0.66	
<i>For &gt;100 To 250, Add</i>	0.31	
<i>For &gt;250 To 500, Add</i>	0.13	
<i>For &gt;5,000 To 10,000, Deduct</i>	-0.05	
<i>For &gt;10,000 To 15,000, Deduct</i>	-0.10	
<i>For &gt;15,000 To 30,000, Deduct</i>	-0.16	
<i>For &gt;30,000, Deduct</i>	-0.21	
34 05 43 00-0454 SF Tight Mill Scale With Fine Powder Rust, Commercial Blast, Surface Preparation, Bridge Girder Repair.....	1.49	
<i>For Up To 100, Add</i>	0.89	
<i>For &gt;100 To 250, Add</i>	0.41	
<i>For &gt;250 To 500, Add</i>	0.18	
<i>For &gt;5,000 To 10,000, Deduct</i>	-0.07	
<i>For &gt;10,000 To 15,000, Deduct</i>	-0.14	
<i>For &gt;15,000 To 30,000, Deduct</i>	-0.21	
<i>For &gt;30,000, Deduct</i>	-0.28	
34 05 43 00-0455 SF Exterior Coating Blistered Pitted, Rust, Commercial Blast, Surface Preparation, Bridge Girder Repair.....	2.17	
<i>For Up To 100, Add</i>	1.32	
<i>For &gt;100 To 250, Add</i>	0.62	
<i>For &gt;250 To 500, Add</i>	0.26	
<i>For &gt;5,000 To 10,000, Deduct</i>	-0.10	
<i>For &gt;10,000 To 15,000, Deduct</i>	-0.20	
<i>For &gt;15,000 To 30,000, Deduct</i>	-0.31	
<i>For &gt;30,000, Deduct</i>	-0.41	
34 05 43 00-0456 SF Badly Pitted With Rust Nodules, Commercial Blast, Surface Preparation, Bridge Girder Repair.....	3.64	
<i>For Up To 100, Add</i>	2.21	
<i>For &gt;100 To 250, Add</i>	1.03	
<i>For &gt;250 To 500, Add</i>	0.44	
<i>For &gt;5,000 To 10,000, Deduct</i>	-0.17	
<i>For &gt;10,000 To 15,000, Deduct</i>	-0.34	
<i>For &gt;15,000 To 30,000, Deduct</i>	-0.53	
<i>For &gt;30,000, Deduct</i>	-0.69	
34 05 43 00-0457 SF Loose Mill Scale With Fine Powder Rust, Near White Blast, Surface Preparation, Bridge Girder Repair.....	2.77	
<i>For Up To 100, Add</i>	1.66	
<i>For &gt;100 To 250, Add</i>	0.77	
<i>For &gt;250 To 500, Add</i>	0.33	
<i>For &gt;5,000 To 10,000, Deduct</i>	-0.13	
<i>For &gt;10,000 To 15,000, Deduct</i>	-0.25	
<i>For &gt;15,000 To 30,000, Deduct</i>	-0.40	
<i>For &gt;30,000, Deduct</i>	-0.53	
34 05 43 00-0458 SF Tight Mill Scale Little Rust, Near White Blast, Surface Preparation, Bridge Girder Repair.....	3.44	
<i>For Up To 100, Add</i>	2.04	
<i>For &gt;100 To 250, Add</i>	0.95	
<i>For &gt;250 To 500, Add</i>	0.41	
<i>For &gt;5,000 To 10,000, Deduct</i>	-0.16	
<i>For &gt;10,000 To 15,000, Deduct</i>	-0.32	
<i>For &gt;15,000 To 30,000, Deduct</i>	-0.49	
<i>For &gt;30,000, Deduct</i>	-0.65	
34 05 43 00-0459 SF Exterior Coat Blistered Pitted Rust, Near White Blast, Surface Preparation, Bridge Girder Repair.....	4.46	
<i>For Up To 100, Add</i>	2.66	
<i>For &gt;100 To 250, Add</i>	1.24	
<i>For &gt;250 To 500, Add</i>	0.53	
<i>For &gt;5,000 To 10,000, Deduct</i>	-0.20	
<i>For &gt;10,000 To 15,000, Deduct</i>	-0.41	
<i>For &gt;15,000 To 30,000, Deduct</i>	-0.64	
<i>For &gt;30,000, Deduct</i>	-0.85	
34 05 43 00-0460 SF Badly Pitted Rust Nodules, Near White Blast, Surface Preparation, Bridge Girder Repair.....	5.57	
<i>For Up To 100, Add</i>	3.32	
<i>For &gt;100 To 250, Add</i>	1.55	
<i>For &gt;250 To 500, Add</i>	0.66	
<i>For &gt;5,000 To 10,000, Deduct</i>	-0.26	
<i>For &gt;10,000 To 15,000, Deduct</i>	-0.51	
<i>For &gt;15,000 To 30,000, Deduct</i>	-0.80	
<i>For &gt;30,000, Deduct</i>	-1.06	
<b>34 05 43 00-0461 Galvanized Anchor Bolts For Bridge Bearings (34 05 43 00-0408)</b>		
34 05 43 00-0462 EA 1/2" Diameter x 6" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings.....	16.71	
34 05 43 00-0463 EA 1/2" Diameter x 12" Long, J-Type Galvanized Anchor Bolts For Bridge Bearings.....	25.46	
34 05 43 00-0464 EA 1/2" Diameter x 18" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings.....	32.45	
34 05 43 00-0465 EA 5/8" Diameter x 12" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings.....	39.44	
34 05 43 00-0466 EA 5/8" Diameter x 18" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings.....	50.31	
34 05 43 00-0467 EA 5/8" Diameter x 24" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings.....	57.05	
34 05 43 00-0468 EA 3/4" Diameter x 8" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings.....	56.73	
34 05 43 00-0469 EA 3/4" Diameter x 12" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings.....	65.49	
34 05 43 00-0470 EA 3/4" Diameter x 18" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings.....	81.89	
34 05 43 00-0471 EA 3/4" Diameter x 24" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings.....	101.18	
34 05 43 00-0472 EA 7/8" Diameter x 12" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings.....	76.20	
34 05 43 00-0473 EA 7/8" Diameter x 18" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings.....	90.45	
34 05 43 00-0474 EA 7/8" Diameter x 24" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings.....	117.82	
34 05 43 00-0475 EA 1" Diameter x 12" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings.....	96.38	
34 05 43 00-0476 EA 1" Diameter x 18" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings.....	115.38	
34 05 43 00-0477 EA 1" Diameter x 24" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings.....	143.60	
34 05 43 00-0478 EA 1" Diameter x 36" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings.....	176.11	
34 05 43 00-0479 EA 1-1/8" Diameter x 12" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings.....	117.98	

**34 Transportation**  
**34 05 Common Work Results for Transportation**  
**34 05 43 Common Work Results for Bridges**



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 05 43 00-0480 EA 1-1/8" Diameter x 18" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings.....	141.31	
34 05 43 00-0481 EA 1-1/8" Diameter x 24" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings.....	176.02	
34 05 43 00-0482 EA 1-1/8" Diameter x 36" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings.....	215.74	
34 05 43 00-0483 EA 1-1/4" Diameter x 12" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings.....	144.87	
34 05 43 00-0484 EA 1-1/4" Diameter x 18" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings.....	173.65	
34 05 43 00-0485 EA 1-1/4" Diameter x 24" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings.....	216.46	
34 05 43 00-0486 EA 1-1/4" Diameter x 36" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings.....	265.15	
34 05 43 00-0487 EA 1-1/2" Diameter x 12" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings.....	178.53	
34 05 43 00-0488 EA 1-1/2" Diameter x 18" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings.....	214.04	
34 05 43 00-0489 EA 1-1/2" Diameter x 24" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings.....	267.01	
34 05 43 00-0490 EA 1-1/2" Diameter x 36" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings.....	326.95	
<b>34 05 43 00-0491 Welding For Bridge Repair (34 05 43 00-0408)</b>		
34 05 43 00-0492 EA Minimum Charge For Welding For Bridge Repair.....	1,885.99	
Note: For projects where the total welding charge is less than the minimum charge. Use this item exclusively. This item should not be used in conjunction with any other items in this section.		
34 05 43 00-0493 LF 3/16" Fillet Welding For Bridge Repair.....	15.45	
<i>For Full Penetration Weld, Add</i>		5.84
34 05 43 00-0494 LF 1/4" Fillet Welding For Bridge Repair.....	23.20	
<i>For Full Penetration Weld, Add</i>		8.76
34 05 43 00-0495 LF 5/16" Fillet Welding For Bridge Repair.....	30.94	
<i>For Full Penetration Weld, Add</i>		11.68
34 05 43 00-0496 LF 3/8" Fillet Welding For Bridge Repair.....	38.65	
<i>For Full Penetration Weld, Add</i>		14.60
34 05 43 00-0497 LF 7/16" Fillet Welding For Bridge Repair.....	45.50	
<i>For Full Penetration Weld, Add</i>		17.52
34 05 43 00-0498 LF 1/2" Fillet Welding For Bridge Repair.....	53.70	
<i>For Full Penetration Weld, Add</i>		20.28
34 05 43 00-0499 LF 9/16" Fillet Welding For Bridge Repair.....	62.40	
<i>For Full Penetration Weld, Add</i>		23.88
34 05 43 00-0500 LF 5/8" Fillet Welding For Bridge Repair.....	68.88	
<i>For Full Penetration Weld, Add</i>		26.28
34 05 43 00-0501 LF 3/4" Fillet Welding For Bridge Repair.....	95.25	
<i>For Full Penetration Weld, Add</i>		35.91
34 05 43 00-0502 LF 7/8" Fillet Welding For Bridge Repair.....	125.10	
<i>For Full Penetration Weld, Add</i>		47.60
34 05 43 00-0503 LF 1" Fillet Welding For Bridge Repair.....	174.45	
<i>For Full Penetration Weld, Add</i>		65.68
<b>34 05 43 00-0504 Bridge Trough Repair (34 05 43)</b>		
34 05 43 00-0505 EA New Bridge Trough Hanger.....	304.20	26.60
34 05 43 00-0506 EA Reattach By Welding Existing Bridge Trough Hanger, Top And/or Bottom.....	67.72	
34 05 43 00-0507 EA Removal And Replacement Of All Thread For Existing Bridge Trough Hanger.....	130.40	
34 05 43 00-0508 EA Removal And Replacement Of Steel Angle Attachment For Existing Bridge Trough Hanger.....	70.27	
<b>34 05 43 00-0509 Spot Paint Removal And Painting, Bridge Structural Steel (34 05 43)</b>		
34 05 43 00-0510 HR Testing For Lead And Asbestos Paint Removal By Asbestos Contractor.....	114.40	
34 05 43 00-0511 EA Up To 4 SF, Flat Surfaces, Non-Contaminated Paint Removal.....	181.66	
34 05 43 00-0512 SF >4 SF, Flat Surfaces, Non-Contaminated Paint Removal.....	45.42	
34 05 43 00-0513 EA Up To 4 SF, Flat Surfaces, Lead Or Asbestos Paint Removal.....	259.00	
Note: Includes high efficiency particulate air (HEPA) vacuuming.		
34 05 43 00-0514 SF >4 SF, Flat Surfaces, Lead Or Asbestos Paint Removal.....	64.74	
Note: Includes high efficiency particulate air (HEPA) vacuuming.		
34 05 43 00-0515 CF Treat and Dispose of Removed Paint Waste.....	6.04	
34 05 43 00-0516 SF Flat Surfaces Spot Painting.....	48.48	
Note: Includes 1 coat epoxy rust inhibiting primer and 2 coats epoxy paint finish.		
34 05 43 00-0517 EA Minimum Charge For Plastic Barrier Enclosure for Paint Removal.....	1,153.67	
Note: Up to an 8' x 8' area, 7' high. Includes 10 mil plastic on walls and floor. 2"x4" construction. Excludes scaffolding.		
34 05 43 00-0518 SF Plastic Barrier Enclosure For Paint Removal.....	3.60	
Note: For projects where the total charge exceeds the minimum charge for plastic barrier enclosures. Includes 10 mil plastic on floor and walls. 2" x 4" construction. Excludes scaffolding. Use area of walls and floor for quantity.		
<b>34 05 43 00-0519 End Beam Cleaning And Painting For Bridges (34 05 43)</b>		
34 05 43 00-0520 SF End Beam Cleaning and Painting.....	3.85	
Note: Includes high pressure wash at minimum 3003 to 5000 PSI, spot cleaning damaged/rusted areas with hand and power tools (SSPC - SP2 and SP3), solvent cleaning (SSPC-SP1), one coat of aluminum epoxy mastic (minimum 6 mils) to spot cleaned areas, one coat sealer (1-2 mils), and one coat polyurethane finish.		
<i>For Up To 100, Add</i>		3.85
<i>For &gt;100 To 500, Add</i>		2.54
<i>For &gt;500 To 3,000, Add</i>		1.27
<i>For &gt;5,000 To 7,500, Deduct</i>		-0.60
<i>For &gt;7,500 To 10,000, Deduct</i>		-0.89
<i>For &gt;10,000, Deduct</i>		-1.24
<b>34 05 43 00-0521 Snow And Pedestrian Fences For Bridges (34 05 43)</b>		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 05 43 00-0522			<b>Snow And Pedestrian Fence Assembly For Bridges</b> <small>(34 05 43 00-0521)</small>		
			Note: Includes 1", 11 gauge coiled spring mesh (knuckled selvedge), tension bars, post tension bands, wire ties, 1-5/8" top rail, 1-5/8" bottom rail, 2-7/8" post 10' on-center. Posts exclude installation onto bridge. Heights indicated are for mesh to top.		
34 05 43 00-0523			<b>Galvanized Snow And Pedestrian Fence Assembly For Bridges</b> <small>(34 05 43 00-0522)</small>		
34 05 43 00-0524	LF		4' Galvanized Chain Link Fence, 11 Gauge Coiled Spring 1" Mesh, Top And Bottom Rails, 2-7/8" Post At 10' On-Center.....	51.32	11.75
			For Posts 8' On Centers, Add	2.81	
			For Posts 5' On Centers, Add	10.58	
			For Up To 100, Add	9.77	
			For >100 To 250, Add	3.60	
34 05 43 00-0525	LF		>4' To 5' Galvanized Chain Link Fence, 11 Gauge Coiled Spring 1" Mesh, Top And Bottom Rails, 2-7/8" Post At 10' On-Center.....	56.04	12.34
			For Posts 8' On Centers, Add	3.06	
			For Posts 5' On Centers, Add	11.50	
			For Up To 100, Add	10.58	
			For >100 To 250, Add	3.89	
34 05 43 00-0526	LF		>5' To 6' Galvanized Chain Link Fence, 11 Gauge Coiled Spring 1" Mesh, Top And Bottom Rails, 2-7/8" Post At 10' On-Center.....	60.80	12.92
			For Posts 8' On Centers, Add	3.31	
			For Posts 5' On Centers, Add	12.42	
			For Up To 100, Add	11.40	
			For >100 To 250, Add	4.18	
34 05 43 00-0527	LF		>6' To 7' Galvanized Chain Link Fence, 11 Gauge Coiled Spring 1" Mesh, Top And Bottom Rails, 2-7/8" Post At 10' On-Center.....	63.96	13.51
			For Posts 8' On Centers, Add	3.48	
			For Posts 5' On Centers, Add	13.06	
			For Up To 100, Add	11.97	
			For >100 To 250, Add	4.39	
34 05 43 00-0528	LF		>7' To 8' Galvanized Chain Link Fence, 11 Gauge Coiled Spring 1" Mesh, Top And Bottom Rails, 2-7/8" Post At 10' On-Center.....	72.86	14.68
			For Posts 8' On Centers, Add	3.95	
			For Posts 5' On Centers, Add	14.80	
			For Up To 100, Add	13.52	
			For >100 To 250, Add	4.94	
34 05 43 00-0529			<b>Vinyl Coated Snow And Pedestrian Fence Assembly For Bridges</b> <small>(34 05 43 00-0522)</small>		
34 05 43 00-0530	LF		4' Vinyl (PVC) Coated Chain Link Fence, 11 Gauge Coiled Spring 1" Mesh, Top And Bottom Rails, 2-7/8" Post At 10' On-Center.....	54.06	11.75
			For Powder Coated, Add	6.67	
			For Aluminum Coated, Add	13.34	
			For Posts 8' On Centers, Add	2.95	
			For Posts 5' On Centers, Add	11.08	
			For Up To 100, Add	10.18	
			For >100 To 250, Add	3.74	
34 05 43 00-0531	LF		>4' To 5' Vinyl (PVC) Coated Chain Link Fence, 11 Gauge Coiled Spring 1" Mesh, Top And Bottom Rails, 2-7/8" Post At 10' On-Center.....	59.49	12.34
			For Powder Coated, Add	7.55	
			For Aluminum Coated, Add	15.10	
			For Posts 8' On Centers, Add	3.24	
			For Posts 5' On Centers, Add	12.12	
			For Up To 100, Add	11.10	
			For >100 To 250, Add	4.06	
34 05 43 00-0532	LF		>5' To 6' Vinyl (PVC) Coated Chain Link Fence, 11 Gauge Coiled Spring 1" Mesh, Top And Bottom Rails, 2-7/8" Post At 10' On-Center.....	67.81	12.92
			For Powder Coated, Add	9.01	
			For Aluminum Coated, Add	18.02	
			For Posts 8' On Centers, Add	3.66	
			For Posts 5' On Centers, Add	13.69	
			For Up To 100, Add	12.45	
			For >100 To 250, Add	4.53	
34 05 43 00-0533	LF		>6' To 7' Vinyl (PVC) Coated Chain Link Fence, 11 Gauge Coiled Spring 1" Mesh, Top And Bottom Rails, 2-7/8" Post At 10' On-Center.....	72.11	13.51
			For Powder Coated, Add	9.66	
			For Aluminum Coated, Add	19.32	
			For Posts 8' On Centers, Add	3.89	
			For Posts 5' On Centers, Add	14.53	
			For Up To 100, Add	13.20	
			For >100 To 250, Add	4.80	
34 05 43 00-0534	LF		>7' To 8' Vinyl (PVC) Coated Chain Link Fence, 11 Gauge Coiled Spring 1" Mesh, Top And Bottom Rails, 2-7/8" Post At 10' On-Center.....	82.35	14.68
			For Powder Coated, Add	11.30	
			For Aluminum Coated, Add	22.59	
			For Posts 8' On Centers, Add	4.43	
			For Posts 5' On Centers, Add	16.50	
			For Up To 100, Add	14.94	
			For >100 To 250, Add	5.41	
34 05 43 00-0535			<b>Bridge Connection Mounting For Snow And Pedestrian Fence Assembly</b> <small>(34 05 43 00-0522)</small>		
34 05 43 00-0536	EA		Attach Bridge Fence Post To Steel Bridge Railing Post With U-Bolt, Washers And Nuts.....	59.58	
			Note: Includes drilling into steel post.		
34 05 43 00-0537	EA		Attach Bridge Fence Post Base To Existing Plate, Welding And Touch-up With Galvanized Paint.....	32.47	

**34 Transportation**  
**34 05 Common Work Results for Transportation**  
**34 05 43 Common Work Results for Bridges**



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 05 43 00-0538 EA Attach Bridge Fence Post Base With Plate, Welding And Touch-up With Galvanized Paint .....	94.13	
34 05 43 00-0539 EA Attach Bridge Fence Post To Concrete Safety Shape Barrier With Bolt, 5/8" Diameter x 4-3/4" Anchor Rods, Washers And Nuts.....	94.31	
Note: Includes drilling into steel post.		
34 05 43 00-0540 EA Attach Bridge Fence Post To Stone Faced Barrier Top With Plate, 3/8" Diameter Anchor Rods, Washers And Nuts .....	135.71	
Note: Includes drilling into steel post.		
<b>34 05 43 00-0541 Bridge Drainage Pipe (34 05 43)</b>		
Note: Concrete gray.		
<b>34 05 43 00-0542 FRP Bridge Drain Pipe (34 05 43 00-0541)</b>		
34 05 43 00-0543 LF 6" IPS FRP Bridge Drain Piping.....	162.65	17.99
34 05 43 00-0544 LF 8" IPS FRP Bridge Drain Piping.....	206.20	22.45
34 05 43 00-0545 LF 10" IPS FRP Bridge Drain Piping.....	265.29	26.92
34 05 43 00-0546 LF 12" IPS FRP Bridge Drain Piping.....	330.83	31.39
<b>34 05 43 00-0547 FRP Bridge Drain Tee Saddles (34 05 43 00-0541)</b>		
34 05 43 00-0548 EA 6" x 6" FRP Bridge Drain Tee Saddle .....	1,377.92	268.97
34 05 43 00-0549 EA 8" x 8" FRP Bridge Drain Tee Saddle .....	1,749.05	336.21
34 05 43 00-0550 EA 10" x 10" FRP Bridge Drain Tee Saddle .....	2,563.29	403.46
34 05 43 00-0551 EA 12" x 12" FRP Bridge Drain Tee Saddle .....	3,096.55	470.70
34 05 43 00-0552 EA 8" x 6" FRP Bridge Drain Tee Saddle .....	1,626.71	302.60
34 05 43 00-0553 EA 10" x 6" FRP Bridge Drain Tee Saddle .....	2,324.36	336.21
34 05 43 00-0554 EA 10" x 8" FRP Bridge Drain Tee Saddle .....	2,443.85	369.83
34 05 43 00-0555 EA 12" x 6" FRP Bridge Drain Tee Saddle .....	2,757.30	369.83
34 05 43 00-0556 EA 12" x 8" FRP Bridge Drain Tee Saddle .....	2,856.66	403.46
34 05 43 00-0557 EA 12" x 10" FRP Bridge Drain Tee Saddle .....	2,980.72	437.07
<b>34 05 43 00-0558 FRP Bridge Drain 45 Degree Lateral Saddles (34 05 43 00-0541)</b>		
34 05 43 00-0559 EA 6" x 6" FRP Bridge Drain 45 Degree Lateral Saddle.....	1,471.98	268.97
34 05 43 00-0560 EA 8" x 8" FRP Bridge Drain 45 Degree Lateral Saddle.....	1,858.17	336.21
34 05 43 00-0561 EA 10" x 10" FRP Bridge Drain 45 Degree Lateral Saddle.....	2,769.56	403.46
34 05 43 00-0562 EA 12" x 12" FRP Bridge Drain 45 Degree Lateral Saddle.....	3,502.20	470.70
34 05 43 00-0563 EA 8" x 6" FRP Bridge Drain 45 Degree Lateral Saddle.....	1,736.42	302.60
34 05 43 00-0564 EA 10" x 6" FRP Bridge Drain 45 Degree Lateral Saddle.....	2,536.63	336.21
34 05 43 00-0565 EA 10" x 8" FRP Bridge Drain 45 Degree Lateral Saddle.....	2,653.05	369.83
34 05 43 00-0566 EA 12" x 6" FRP Bridge Drain 45 Degree Lateral Saddle.....	3,161.62	369.83
34 05 43 00-0567 EA 12" x 8" FRP Bridge Drain 45 Degree Lateral Saddle.....	3,278.12	403.46
<b>34 05 43 00-0568 FRP Bridge Drain Couplings (34 05 43 00-0541)</b>		
34 05 43 00-0569 EA 6" FRP Bridge Drain Coupling .....	628.55	143.42
34 05 43 00-0570 EA 8" FRP Bridge Drain Coupling .....	812.00	179.27
34 05 43 00-0571 EA 10" FRP Bridge Drain Coupling .....	981.39	215.14
34 05 43 00-0572 EA 12" FRP Bridge Drain Coupling .....	1,389.01	251.10
<b>34 05 43 00-0573 FRP Bridge Drain Flanges (34 05 43 00-0541)</b>		
34 05 43 00-0574 EA 6" FRP Bridge Drain Flange.....	764.18	71.71
34 05 43 00-0575 EA 6", 8 Hole FRP Bridge Drain Flange .....	898.38	89.69
34 05 43 00-0576 EA 8" FRP Bridge Drain Flange.....	941.79	89.69
34 05 43 00-0577 EA 8", 8 Hole FRP Bridge Drain Flange .....	1,090.31	112.04
34 05 43 00-0578 EA 10" FRP Bridge Drain Flange.....	1,269.95	107.56
34 05 43 00-0579 EA 10", 12 Hole FRP Bridge Drain Flange .....	1,465.74	134.49
<b>34 05 43 00-0580 FRP Bridge Drain Socket Cleanouts With Plug (34 05 43 00-0541)</b>		
34 05 43 00-0581 EA 6" x 4" FRP Bridge Drain Socket Cleanout With 4" Plug.....	616.10	89.69
34 05 43 00-0582 EA 8" x 6" FRP Bridge Drain Socket Cleanout With 6" Plug.....	824.98	112.04
34 05 43 00-0583 EA 10" x 6" FRP Bridge Drain Socket Cleanout With 6" Plug.....	951.32	134.49
34 05 43 00-0584 EA 12" x 6" FRP Bridge Drain Socket Cleanout With 6" Plug.....	1,223.00	156.94
<b>34 05 43 00-0585 FRP Bridge Drain Concentric Reducers (34 05 43 00-0541)</b>		
34 05 43 00-0586 EA 8" x 6" FRP Bridge Drain Concentric Reducer.....	1,060.87	112.04
34 05 43 00-0587 EA 10" x 6" FRP Bridge Drain Concentric Reducer.....	1,019.58	127.79
34 05 43 00-0588 EA 10" x 8" FRP Bridge Drain Concentric Reducer.....	1,004.68	134.49
34 05 43 00-0589 EA 12" x 6" FRP Bridge Drain Concentric Reducer.....	1,208.99	141.19
34 05 43 00-0590 EA 12" x 8" FRP Bridge Drain Concentric Reducer.....	1,215.00	149.07
34 05 43 00-0591 EA 12" x 10" FRP Bridge Drain Concentric Reducer.....	1,287.99	156.94
34 05 43 00-0592 EA 14" x 8" FRP Bridge Drain Concentric Reducer.....	2,012.43	164.70
34 05 43 00-0593 EA 14" x 10" FRP Bridge Drain Concentric Reducer.....	2,038.78	173.00
34 05 43 00-0594 EA 14" x 12" FRP Bridge Drain Concentric Reducer.....	2,066.48	181.62
34 05 43 00-0595 EA 16" x 12" FRP Bridge Drain Concentric Reducer.....	2,448.17	190.77
34 05 43 00-0596 EA 18" x 12" FRP Bridge Drain Concentric Reducer.....	2,780.44	200.24



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>34 05 43 00-0597 FRP Bridge Drain 90 Degree Socket Elbows</b> <small>(34 05 43 00-0541)</small>						
			EA	6" FRP Bridge Drain 90 Degree Socket Elbow .....	1,397.85	179.27
			EA	8" FRP Bridge Drain 90 Degree Socket Elbow .....	1,641.79	224.17
			EA	10" FRP Bridge Drain 90 Degree Socket Elbow .....	2,570.45	268.97
			EA	12" FRP Bridge Drain 90 Degree Socket Elbow .....	3,508.70	313.76
<b>34 05 43 00-0602 FRP Bridge Drain 45 Degree Socket Elbows</b> <small>(34 05 43 00-0541)</small>						
			EA	6" FRP Bridge Drain 45 Degree Socket Elbow .....	1,072.84	179.27
			EA	8" FRP Bridge Drain 45 Degree Socket Elbow .....	1,412.52	224.17
			EA	10" FRP Bridge Drain 45 Degree Socket Elbow .....	1,916.75	268.97
			EA	12" FRP Bridge Drain 45 Degree Socket Elbow .....	2,503.78	313.76
<b>34 05 43 00-0607 FRP Bridge Drain 22-1/2 Degree Socket Elbows</b> <small>(34 05 43 00-0541)</small>						
			EA	6" FRP Bridge Drain 22-1/2 Degree Socket Elbow .....	1,888.54	179.27
			EA	8" FRP Bridge Drain 22-1/2 Degree Socket Elbow .....	2,172.18	224.17
			EA	10" FRP Bridge Drain 22-1/2 Degree Socket Elbow .....	2,513.30	268.97
			EA	12" FRP Bridge Drain 22-1/2 Degree Socket Elbow .....	2,930.60	313.76
<b>34 05 43 00-0612 FRP Bridge Drain Debris Covers</b> <small>(34 05 43 00-0541)</small>						
			EA	8" x 6" FRP Bridge Drain Debris Cover .....	841.02	93.42
			EA	10" x 6" FRP Bridge Drain Debris Cover .....	865.07	98.10
			EA	10" x 8" FRP Bridge Drain Debris Cover .....	897.25	108.10
			EA	12" x 10" FRP Bridge Drain Debris Cover .....	941.52	119.16
			EA	12" x 6" FRP Bridge Drain Debris Cover .....	880.77	102.99
			EA	12" x 8" FRP Bridge Drain Debris Cover .....	923.38	113.53
			EA	14" x 10" FRP Bridge Drain Debris Cover .....	990.06	125.13
			EA	14" x 12" FRP Bridge Drain Debris Cover .....	1,010.07	131.40
			EA	16" x 12" FRP Bridge Drain Debris Cover .....	1,078.58	137.99

### 34 40 Transportation Signaling and Control Equipment (34)

#### 34 41 Roadway Signaling and Control Equipment (34 40)

##### 34 41 13 Traffic Signals (34 41)

##### 34 41 13 00-0001 Traffic Signals (34 41 13)

			EA	Single Traffic Signal Head, 4 Way Pattern .....	6,918.31	644.27
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##### 34 41 13 00-0003 Traffic Detector Induction Loop (34 41 13)

			EA	6' x 6', Type A, 3 Turns Per Loop, Traffic Detector Induction Loop .....	388.78	
				Note: Includes saw cutting, 3 turns wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.		
			EA	6' x 6', Type D, 3 Turns Per Loop, Traffic Detector Induction Loop .....	485.04	
				Note: Includes saw cutting, 3 turns wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.		
			EA	6' x 6', Type D, 5 Turns Per Loop, Traffic Detector Induction Loop .....	538.58	
				Note: Includes saw cutting, 5 turns wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.		
			EA	6' x 6', Type Q, 3 Turns Per Loop, Traffic Detector Induction Loop .....	474.45	
				Note: Includes saw cutting, 3 turns wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.		
			EA	6' x 20', Type C, 3 Turns Per Loop, Traffic Detector Induction Loop .....	823.20	
				Note: Includes saw cutting, 3 turns wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.		
			EA	6' x 28', Type C, 2 Turns Per Loop, Traffic Detector Induction Loop .....	1,021.06	
				Note: Includes saw cutting, 2 turns wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.		
			EA	6' x 28', Type C, 3 Turns Per Loop, Traffic Detector Induction Loop .....	1,076.60	
				Note: Includes saw cutting, 3 turns wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.		
			EA	6' x 40', Type C, 1 Turn Per Loop, Traffic Detector Induction Loop .....	1,375.09	
				Note: Includes saw cutting, 1 turn wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.		
			EA	6' x 40', Type C, 2 Turns Per Loop, Traffic Detector Induction Loop .....	1,456.48	
				Note: Includes saw cutting, 2 turns wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.		
			EA	6' x 50', Type C, 1 Turn Per Loop, Traffic Detector Induction Loop .....	1,575.97	
				Note: Includes saw cutting, 1 turn wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.		
			EA	6' x 50', Type C, 2 Turns Per Loop, Traffic Detector Induction Loop .....	1,675.37	
				Note: Includes saw cutting, 2 turns wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.		
			LF	In Pavement, Lead Wire For Traffic Signal Detector .....	7.74	
				Note: Includes saw cutting, sealing and splicing into traffic signal loop wire in street. Excludes junction box or conduit.		

**34 Transportation**  
**34 40 Transportation Signaling and Control Equipment**  
**34 41 Roadway Signaling and Control Equipment**



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 41 13 00-0016 LF In Earthwork, Lead Wire For Traffic Signal Detector.....	3.44	
Note: Includes trenching in earthwork and splicing into traffic signal loop wire. Excludes junction box or conduit.		
34 41 13 00-0017 EA 2 Channel, Rack Mounted, Traffic Loop Vehicle Detector (Reno A&E Model 222).....	261.18	
34 41 13 00-0018 EA 4 Channel, Rack Mounted, Traffic Loop Vehicle Detector (Reno A&E Model E-1100).....	773.44	
34 41 13 00-0019 EA 2 Channel, Rack Mounted, Traffic Loop Bicycle Detector (Reno A&E Model C-1100).....	472.87	
<b>34 41 13 00-0020 Overhead Traffic Signals <small>(34 41 13)</small></b>		
34 41 13 00-0021 EA Traffic Signal Controller Unit, TS 2 Type 1 (ASC/3-1000).....	6,041.88	859.02
34 41 13 00-0022 EA Traffic Signal Controller Unit, TS 2 Type 2 (ASC/3-2100).....	6,234.28	859.02
34 41 13 00-0023 EA Traffic Signal Controller Unit, Replacement For Type 170E (ASC/3RM).....	6,494.58	859.02
34 41 13 00-0024 EA Optical Detector For Mast Arm Mounting, 1 Channel, 1 Way.....	1,097.15	180.65
34 41 13 00-0025 EA Optical Detector For Mast Arm Mounting, 1 Channel, 2 Way.....	1,210.32	180.65
34 41 13 00-0026 EA Optical Detector For Mast Arm Mounting, 2 Channel.....	1,581.54	180.65
34 41 13 00-0027 EA Optical Detector For Pole-Side Mounting, 1 Channel, 1 Way.....	1,097.15	180.65
34 41 13 00-0028 EA Optical Detector For Pole-Side Mounting, 1 Channel, 2 Way.....	1,210.32	180.65
34 41 13 00-0029 EA Optical Detector For Pole-Side Mounting, 2 Channel.....	1,581.54	180.65
34 41 13 00-0030 EA Optical Detector For Pedestal Or Pipe Mounting, 1 Channel, 1 Way.....	1,097.15	180.65
34 41 13 00-0031 EA Optical Detector For Pedestal Or Pipe Mounting, 1 Channel, 2 Way.....	1,210.32	180.65
34 41 13 00-0032 EA Optical Detector For Pedestal Or Pipe Mounting, 2 Channel.....	1,581.54	180.65
34 41 13 00-0033 EA Optical Detector For Span Wire Mounting, 1 Channel, 1 Way.....	1,097.15	180.65
34 41 13 00-0034 EA Optical Detector For Span Wire Mounting, 1 Channel, 2 Way.....	1,210.32	180.65
34 41 13 00-0035 EA Optical Detector For Span Wire Mounting, 2 Channel.....	1,581.54	180.65
34 41 13 00-0036 EA Optical Detector For Signal Top Mounting, 1 Channel, 1 Way.....	1,097.15	180.65
34 41 13 00-0037 EA Optical Detector For Signal Top Mounting, 1 Channel, 2 Way.....	1,210.32	180.65
34 41 13 00-0038 EA Optical Detector For Signal Top Mounting, 2 Channel.....	1,581.54	180.65
34 41 13 00-0039 EA Phase Selector, 2 Channel.....	3,836.52	22.58
34 41 13 00-0040 EA Phase Selector, 4 Channel.....	5,975.53	22.58
34 41 13 00-0041 EA Malfunction Management Unit For Use With NEMA Controller.....	1,901.13	45.16
34 41 13 00-0042 EA Malfunction Management Unit For Use With Type 170E Or 2070 Controller.....	1,901.13	45.16
34 41 13 00-0043 EA Time Switch, 1-Circuit.....	244.71	27.10
34 41 13 00-0044 EA Digital Loop-Type Vehicle Detector Card, 2-Channel, Normal.....	380.21	11.29
34 41 13 00-0045 EA Digital Loop-Type Vehicle Detector Card, 2-Channel, Stretch/Delay.....	500.18	11.29
34 41 13 00-0046 EA Digital Loop-Type Vehicle Detector Card, 4-Channel, Normal.....	715.21	11.29
34 41 13 00-0047 EA Digital Loop-Type Vehicle Detector Card, 4-Channel, Stretch/Delay.....	900.82	11.29
34 41 13 00-0048 EA Digital Loop-Type Vehicle Detector Card Rack With Power Supply For Controller Cabinet.....	2,462.63	11.29
34 41 13 00-0049 EA Digital Loop-Type Vehicle Detector Card Rack With Power Supply For Remote Detector Cabinet.....	2,462.63	11.29
34 41 13 00-0050 EA Power Line Surge Protector.....	222.67	6.77
34 41 13 00-0051 EA Loop Detector Surge Protector.....	110.54	6.77
34 41 13 00-0052 EA Controller Cabinet With 1 Detector Rack And 1 Load Switch Bay.....	14,218.65	1,208.00
34 41 13 00-0053 EA Controller Cabinet With 1 Detector Rack And 2 Load Switch Bays.....	15,508.85	1,208.00
34 41 13 00-0054 EA Controller Cabinet With 2 Detector Racks And 1 Load Switch Bay.....	17,059.34	1,208.00
34 41 13 00-0055 EA Controller Cabinet With 2 Detector Racks And 2 Load Switch Bays.....	17,534.68	1,208.00
34 41 13 00-0056 EA Speed Limit Beacon Control Option.....	6,303.02	322.13
34 41 13 00-0057 EA Speed Limit Beacon Control Cabinet.....	6,947.28	644.27
34 41 13 00-0058 EA Remote Detector Cabinet.....	3,438.85	644.27
34 41 13 00-0059 EA Traffic Signal Hand Control.....	1,006.97	107.38
34 41 13 00-0060 EA Load Switch.....	101.83	6.77
34 41 13 00-0061 EA Extra Pedestrian Detector Isolation Assembly.....	780.63	107.38
34 41 13 00-0062 EA Fiber Optic Transceivers-Repeater Module.....	923.75	180.65
34 41 13 00-0063 EA Field Transceiver-Repeater.....	457.40	45.16
34 41 13 00-0064 EA 30" Pedestal With Base Plate And Cover.....	883.09	90.75
34 41 13 00-0065 EA 42" Pedestal With Base Plate And Cover (Push Button Pedestal).....	1,040.73	94.88
34 41 13 00-0066 EA 8' Pedestal With Base Plate And Cover.....	1,313.60	106.43
34 41 13 00-0067 EA 11' Pedestal With Base Plate And Cover.....	1,463.46	115.50
34 41 13 00-0068 EA 15' Pedestal With Base Plate And Cover.....	1,620.95	137.78
34 41 13 00-0069 LF 6-Fiber Interconnect Cable, Fiber Optic, Single Mode.....	1.30	
34 41 13 00-0070 LF 12-Fiber Interconnect Cable, Fiber Optic, Single Mode.....	1.39	
34 41 13 00-0071 LF 24-Fiber Interconnect Cable, Fiber Optic, Single Mode.....	1.68	
34 41 13 00-0072 LF 36-Fiber Interconnect Cable, Fiber Optic, Single Mode.....	1.99	
34 41 13 00-0073 LF 48-Fiber Interconnect Cable, Fiber Optic, Single Mode.....	2.30	
34 41 13 00-0074 LF 72-Fiber Interconnect Cable, Fiber Optic, Single Mode.....	2.87	
34 41 13 00-0075 LF 96-Fiber Interconnect Cable, Fiber Optic, Single Mode.....	3.40	
34 41 13 00-0076 LF 144-Fiber Interconnect Cable, Fiber Optic, Single Mode.....	4.46	
34 41 13 00-0077 LF 3/16" Diameter Messenger Cable.....	0.70	0.11
34 41 13 00-0078 LF 1/4" Diameter Messenger Cable.....	0.85	0.11
34 41 13 00-0079 LF 3/8" Diameter Messenger Cable.....	1.58	0.11
34 41 13 00-0080 LF 1/2" Diameter Messenger Cable.....	3.31	0.21
34 41 13 00-0081 EA 4' Diameter x 10' Concrete Base For Poles.....	2,839.94	
Note: Includes drilling in earth, rebar, bolts, forms for exposed base, bolts and concrete.		
34 41 13 00-0082 EA 4' Diameter x 16' Concrete Base For Poles.....	4,481.27	
Note: Includes drilling in earth, rebar, bolts, forms for exposed base, bolts and concrete.		
34 41 13 00-0083 EA Internally Illuminated Street Name Sign, 1 Line, 4'.....	2,783.55	214.75
34 41 13 00-0084 EA Internally Illuminated Street Name Sign, 1 Line, 6'.....	3,434.17	268.44
34 41 13 00-0085 EA Internally Illuminated Street Name Sign, 1 Line, 8'.....	3,722.63	322.13
34 41 13 00-0086 EA Internally Illuminated Street Name Sign, 1 Line, 10'.....	4,192.16	375.82
34 41 13 00-0087 EA Internally Illuminated Street Name Sign, 1 Line, 12'.....	4,480.62	429.51
34 41 13 00-0088 EA Internally Illuminated Street Name Sign, 2 Line, 4'.....	4,494.76	214.75
34 41 13 00-0089 EA Internally Illuminated Street Name Sign, 2 Line, 6'.....	5,534.70	268.44
34 41 13 00-0090 EA Internally Illuminated Street Name Sign, 2 Line, 8'.....	5,949.91	322.13
34 41 13 00-0091 EA Internally Illuminated Street Name Sign, 2 Line, 10'.....	6,636.74	375.82





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 41 13 00-0092 EA Internally Illuminated Street Name Sign, 2 Line, 12' .....	7,106.28	429.51
34 41 13 00-0093 EA Photoelectric Controller, Multi-Volt.....	80.92	23.48
34 41 13 00-0094 EA Photoelectric Controller, 120 Volt .....	77.83	23.48
34 41 13 00-0095 EA Photoelectric Controller, 480 Volt .....	77.83	23.48
34 41 13 00-0096 EA Wi-Fi Communication Unit.....	1,457.41	107.38
34 41 13 00-0097 EA Wi-Fi Communication Unit Mounting Bracket .....	274.25	80.53
34 41 13 00-0098 EA Wi-Fi Communication Unit Power Supply / POE Injector.....	263.56	53.69
34 41 13 00-0099 EA Wi-Fi Communication Unit Packet.....	1,995.22	161.07
34 41 13 00-0100 LF Preemptor Detector Cable.....	1.45	
34 41 13 00-0101 EA Sno-Shoe Cable Storage Assembly .....	250.52	
34 41 13 00-0102 EA 16" Pedestal With Base Plate And Cover.....	1,715.26	137.78
34 41 13 00-0103 EA Vehicle Signal Face, LED, 1 - 12" Section.....	502.42	136.91
34 41 13 00-0104 EA Vehicle Signal Face, LED, 2 - 12" Sections.....	837.00	193.27
34 41 13 00-0105 EA Vehicle Signal Face, LED, 3 - 12" Sections.....	1,196.78	236.23
34 41 13 00-0106 EA Vehicle Signal Face, LED, 3 - 12" Sections, Middle Section Blank.....	1,128.88	236.23
34 41 13 00-0107 EA Vehicle Signal Face, LED, 4 - 12" Sections.....	1,544.73	263.07
34 41 13 00-0108 EA Vehicle Signal Face, LED, 5 - 12" Sections.....	1,871.19	279.18
34 41 13 00-0109 EA Vehicle Signal Face, LED, 5 - 12" Sections, Cluster.....	2,002.47	279.18
34 41 13 00-0110 EA Vehicle Signal Face, LED, 1 - 8" Section.....	468.47	136.91
34 41 13 00-0111 EA Vehicle Signal Face, LED, 2 - 8" Sections.....	769.09	193.27
34 41 13 00-0112 EA Vehicle Signal Face, LED, 3 - 8" Sections.....	1,031.54	236.23
34 41 13 00-0113 EA Vehicle Signal Face, LED, 2 - 8" Sections, 1 - 12" Section.....	1,115.29	236.23
34 41 13 00-0114 EA Vehicle Signal Face, LED, 2 - 8" Sections, 2 - 12" Sections.....	1,399.86	263.07
34 41 13 00-0115 EA Vehicle Signal Face, LED, 3 - 8" Sections, 1 - 12" Section.....	1,352.33	263.07
34 41 13 00-0116 EA Vehicle Signal Face, LED, 3 - 8" Sections, 2 - 12" Sections.....	1,622.20	279.18
34 41 13 00-0117 EA Vehicle Signal Face, LED, 3 - 8" Sections, 2 - 12" Sections In Cluster.....	1,728.59	279.18
34 41 13 00-0118 EA Vehicle Signal Face, LED, 3 - 12" Sections, Optically Programmed.....	2,600.15	236.23
34 41 13 00-0119 EA Vehicle Signal Face, LED, 4 - 12" Sections, Optically Programmed.....	3,430.22	263.07
34 41 13 00-0120 EA Vehicle Signal Face, LED, 5 - 12" Sections, Optically Programmed.....	4,519.48	279.18
34 41 13 00-0121 EA Vehicle Signal Face, LED, 5 - 12" Sections In Cluster, Optically Programmed.....	4,915.60	279.18
34 41 13 00-0122 EA Bracket Signal Mounting Assembly .....	499.95	107.38
34 41 13 00-0123 EA Mast Arm Signal Mounting Assembly .....	868.63	214.75
34 41 13 00-0124 EA Top Pole Signal Mounting Assembly .....	301.41	80.53
34 41 13 00-0125 EA Pedestrian Signal Head .....	933.27	161.07
34 41 13 00-0126 EA Pedestrian Signal Insert.....	588.87	80.53
34 41 13 00-0127 EA Audible Pedestrian Signal.....	1,209.33	
34 41 13 00-0128 EA Junction Box, Pole Or Post Mounted.....	503.72	
34 41 13 00-0129 EA Pedestrian Push Button .....	438.16	
34 41 13 00-0130 EA Illuminated Sign, Bracket Mounted, Symbolic.....	3,768.53	
34 41 13 00-0131 EA Illuminated Sign, Mast Arm Mounted, Symbolic.....	3,923.84	
34 41 13 00-0132 EA Sign, Message, "BLANK OUT", Bracket Mounted .....	4,163.22	
34 41 13 00-0133 EA Sign, Message, "BLANK OUT", Mast Arm Mounted .....	4,419.73	
34 41 13 00-0134 EA Sign, Fiber Optic, Bracket Mounted .....	4,762.27	
34 41 13 00-0135 EA Sign, Fiber Optic, Mast Arm Mounted .....	5,024.09	
34 41 13 00-0136 EA 30' Type 15TS Signal And Lighting Standard .....	7,108.80	
Note: 8" diameter base and 3-7/8" diameter top. 0.1793" wall thickness.		
34 41 13 00-0137 EA 35' Type 21TS Signal And Lighting Standard .....	8,312.88	
Note: 9-3/8" diameter base and 3-9/16" diameter top. 0.1793" wall thickness.		
34 41 13 00-0138 EA 17' Type 18-2-100 Signal And Lighting Standard .....	3,928.56	
Note: 10-3/4" diameter base and 8-7/16" diameter top. 0.1793" wall thickness.		
34 41 13 00-0139 EA 17' Type 18-3-100 Signal And Lighting Standard .....	4,393.46	
Note: 10-3/4" diameter base and 8-7/16" diameter top. 0.2391" wall thickness.		
34 41 13 00-0140 EA 17' Type 18-4-100 Or 23-4-100 Signal And Lighting Standard .....	4,571.66	
Note: 12" diameter base and 9" diameter top. 0.2391" wall thickness.		
34 41 13 00-0141 EA 17' Type 23-3-100 Signal And Lighting Standard .....	4,571.66	
Note: 12" diameter base and 9-5/8" diameter top. 0.2391" wall thickness.		
34 41 13 00-0142 EA 17' Type 23-4-100 Signal And Lighting Standard .....	4,665.22	
Note: 12" diameter base and 9-5/8" diameter top. 0.2391" wall thickness.		
34 41 13 00-0143 EA 17' Type 27-3-100 Signal And Lighting Standard .....	5,133.04	
Note: 12-1/8" diameter base and 9-3/4" diameter top. 0.3125" wall thickness.		
34 41 13 00-0144 EA 17' Type 27-4-100 Signal And Lighting Standard .....	5,240.62	
Note: 13-1/2" diameter base and 9-3/4" diameter top. 0.3125" wall thickness.		
34 41 13 00-0145 EA 17' Type 28-5-100 Signal And Lighting Standard .....	5,461.19	
Note: 14" diameter base and 11-11/16" diameter top. 0.3125" wall thickness.		
34 41 13 00-0146 EA 17' Type 60-5-100 Signal And Lighting Standard .....	5,808.60	
Note: 16" diameter base and 13-11/16" diameter top. 0.3125" wall thickness.		
34 41 13 00-0147 EA 18'-6" Type 16-2-100 Or 16-3-100 Signal And Lighting Standard.....	4,202.04	
Note: 10-3/4" diameter base and 8-1/4" diameter top. 0.1793" wall thickness.		
34 41 13 00-0148 EA 30' Type 17-2-100 Or 17-3-100 Signal And Lighting Standard .....	7,596.94	
Note: 10-3/4" diameter base and 6-5/8" diameter top. 0.1793" wall thickness.		
34 41 13 00-0149 EA 30' Type 19-2-100 Signal And Lighting Standard .....	8,573.22	
Note: 10-3/4" diameter base and 6-5/8" diameter top. 0.2391" wall thickness.		
34 41 13 00-0150 EA 30' Type 19-3-100 Or 24-3-100 Signal And Lighting Standard .....	8,947.46	
Note: 12" diameter base and 7-7/8" diameter top. 0.2391" wall thickness.		
34 41 13 00-0151 EA 30' Type 19-4-100 Or 24-4-100 Signal And Lighting Standard .....	8,947.46	
Note: 12" diameter base and 8" diameter top. 0.2391" wall thickness.		
34 41 13 00-0152 EA 30' Type 26-3-100 Signal And Lighting Standard .....	10,126.31	
Note: 12-1/8" diameter base and 8" diameter top. 0.3125" wall thickness.		
34 41 13 00-0153 EA 30' Type 26-4-100 Signal And Lighting Standard .....	10,578.22	
Note: 13-1/2" diameter base and 8" diameter top. 0.3125" wall thickness.		
34 41 13 00-0154 EA 30' Type 29-5-100 Signal And Lighting Standard .....	11,052.69	
Note: 14" diameter base and 9-7/8" diameter top. 0.3125" wall thickness.		

**34 Transportation**  
**34 40 Transportation Signaling and Control Equipment**  
**34 41 Roadway Signaling and Control Equipment**



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 41 13 00-0155	EA	30' Type 61-5-100 Signal And Lighting Standard..... Note: 16" diameter base and 11-7/8" diameter top. 0.3125" wall thickness.	11,800.02	
34 41 13 00-0156	EA	35' Type 17A-2-100 Signal And Lighting Standard ..... Note: 10-3/4" diameter base and 5-15/16" diameter top. 0.1793" wall thickness.	8,837.17	
34 41 13 00-0157	EA	35' Type 19A-2-100 Signal And Lighting Standard ..... Note: 10-3/4" diameter base and 5-15/16" diameter top. 0.2391" wall thickness.	9,976.17	
34 41 13 00-0158	EA	35' Type 19A-3-100 Or 24A-3-100 Signal And Lighting Standard..... Note: 12" diameter base and 7-3/16" diameter top. 0.2391" wall thickness.	10,412.80	
34 41 13 00-0159	EA	35' Type 19A-4-100 Or 24A-4-100 Signal And Lighting Standard..... Note: 12" diameter base and 7-5/16" diameter top. 0.2391" wall thickness.	10,412.80	
34 41 13 00-0160	EA	35' Type 26A-3-100 Signal And Lighting Standard ..... Note: 12-1/8" diameter base and 7-5/16" diameter top. 0.3125" wall thickness.	11,788.11	
34 41 13 00-0161	EA	35' Type 26A-4-100 Signal And Lighting Standard ..... Note: 13-1/2" diameter base and 7-5/16" diameter top. 0.3125" wall thickness.	12,315.33	
34 41 13 00-0162	EA	35' Type 29A-5-100 Signal And Lighting Standard ..... Note: 14" diameter base and 9-3/16" diameter top. 0.3125" wall thickness.	12,868.90	
34 41 13 00-0163	EA	35' Type 61A-5-100 Signal And Lighting Standard ..... Note: 16" diameter base and 11" diameter top. 0.3125" wall thickness.	13,740.76	
34 41 13 00-0164	EA	15' Steel Straight Mast Arm, MONOTUBE.....	2,780.17	
34 41 13 00-0165	EA	20' Steel Straight Mast Arm, MONOTUBE.....	2,916.07	
34 41 13 00-0166	EA	25' Steel Straight Mast Arm, MONOTUBE.....	3,132.77	
34 41 13 00-0167	EA	30' Steel Straight Mast Arm, MONOTUBE.....	4,303.92	
34 41 13 00-0168	EA	35' Steel Straight Mast Arm, MONOTUBE.....	5,215.21	
34 41 13 00-0169	EA	40' Steel Straight Mast Arm, MONOTUBE.....	5,608.93	
34 41 13 00-0170	EA	45' Steel Straight Mast Arm, MONOTUBE.....	6,153.94	
34 41 13 00-0171	EA	50' Steel Straight Mast Arm, MONOTUBE.....	6,988.11	
34 41 13 00-0172	EA	55' Steel Straight Mast Arm, MONOTUBE.....	7,929.78	
34 41 13 00-0173	EA	60' Steel Straight Mast Arm, MONOTUBE.....	8,515.52	
34 41 13 00-0174	EA	65' Steel Straight Mast Arm, MONOTUBE.....	9,891.40	
34 41 13 00-0175	EA	4' Steel Curved Luminaire Mast Arm ..... <i>For High Rise Arm, Add</i>	939.29 86.94	
		<i>For High Rise Straight Arm, Add</i>	69.55	
34 41 13 00-0176	EA	6' Steel Curved Luminaire Mast Arm ..... <i>For High Rise Arm, Add</i>	1,225.80 116.22	
		<i>For High Rise Straight Arm, Add</i>	92.98	
34 41 13 00-0177	EA	8' Steel Curved Luminaire Mast Arm ..... <i>For High Rise Arm, Add</i>	1,533.81 145.51	
		<i>For High Rise Straight Arm, Add</i>	116.41	
34 41 13 00-0178	EA	10' Steel Curved Luminaire Mast Arm ..... <i>For High Rise Arm, Add</i>	2,061.13 171.08	
		<i>For High Rise Straight Arm, Add</i>	136.86	
34 41 13 00-0179	EA	12' Steel Curved Luminaire Mast Arm ..... <i>For High Rise Arm, Add</i>	2,295.39 201.77	
		<i>For High Rise Straight Arm, Add</i>	161.41	
34 41 13 00-0180	EA	15' Steel Curved Luminaire Mast Arm ..... <i>For High Rise Arm, Add</i>	2,420.65 225.01	
		<i>For High Rise Straight Arm, Add</i>	180.01	
34 41 13 00-0181	EA	20' Steel Curved Luminaire Mast Arm ..... <i>For High Rise Arm, Add</i>	2,770.41 268.71	
34 41 13 00-0182	EA	15' Tubular Aluminum Post.....	982.96	
34 41 13 00-0183	EA	17' Tubular Aluminum Post.....	1,042.21	
34 41 13 00-0184	EA	20' Tubular Aluminum Post.....	1,154.13	
34 41 13 00-0185	EA	CUT-OFF POLE AND CAPPED .....	148.17	
34 41 13 00-0186	EA	PAINT EXISTING SL/TS CONTROLLER COMPLETE.....	45.19	
34 41 13 00-0187	EA	PAINT EXISTING TS POST COMPLETE.....	209.95	
34 41 13 00-0188	EA	1 Channel Loop Detector Amplifier.....	1,617.05	
34 41 13 00-0189	EA	4 Channel Loop Detector Amplifier.....	3,097.06	
34 41 13 00-0190	EA	FLASHING BEACON WITH DOWNLIGHT.....	2,160.99	
34 41 13 00-0191	EA	Flashing Beacon, Bracket Mounted.....	677.52	
34 41 13 00-0192	EA	Flashing Beacon, Mast Arm Mounted.....	677.52	
34 41 13 00-0193	EA	Flashing Beacon, Solar Powered, Bracket Mounted.....	20,035.26	
34 41 13 00-0194	EA	Wireless Access Point (Proxim Tsunami MP11 954-BSUR-US).....	4,097.28	
34 41 13 00-0195	EA	Ruggedized Subscriber Unit (Proxim Tsunami MP11 954-SUA-US).....	2,186.73	
34 41 13 00-0196	EA	Smart Sensor HD (Wavetronix HD125).....	11,765.94	
34 41 13 00-0197	EA	Access Point (Sensys AP240-ES)..... Note: RJ45 port supports simultaneous Ethernet and CC card communications (split via Access Box) combined with data relay, statistics-processing and VPN functionality.	5,424.78	
34 41 13 00-0198	EA	Sensys Access Point AP240-ESC-VER - RJ45 port supports simultaneous Ethernet and CC card communications (split via Access Box) combined with data relay, statistics-processing and VPN functionality with Integrated 1xRTT cellular data modem for data relay via CDMA.....	9,403.73	
34 41 13 00-0199	EA	Mounting Kit for Access Points and Repeaters (KIT-MTG).....	318.35	
34 41 13 00-0200	EA	Repeater (Sensys RP240-B-LL)..... Note: Nominal battery capacity of 171 Ah with seven (7) year battery-life.	2,484.11	
34 41 13 00-0201	EA	Wireless Flush Mounted Sensor (Sensys VSN240-F)..... Note: Excludes coring.	1,088.40	
34 41 13 00-0202	EA	Sensor Mounting Bracket, Cable, Lightning Surge Protector, Power Supply, Breaker, AC Surge Protector, Din Rail and Power Plug.....	2,705.04	
34 41 13 00-0203	EA	Pole Base Foundation for 17-2-80, 17-2-100, 19-2-80 Poles.....	7,240.92	1.32
34 41 13 00-0204	EA	Pole Base Foundation for 17-3-80, 19-3-80, 26-3-80 & 26-4-80 Poles.....	9,481.78	1.32
34 41 13 00-0205	EA	Pole Base Foundation for Type 15 and 21 Poles.....	5,647.89	1.32
34 41 13 00-0206	EA	Pole Base Foundation for 18-4-100, 19-4-100, 23-4-100, And 24-4-100 Poles.....	7,240.92	1.32
34 41 13 00-0207	EA	Pole Base Foundation for 26-4-100 And 27-4-100 Poles.....	9,481.78	1.32
34 41 13 00-0208	EA	Service Equipment Enclosure, Type III-AF.....	1,390.29	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 41 13 00-0209 EA 12", 3 Section Signal, Mast Arm Mounted .....	1,381.85	
34 41 13 00-0210 EA 8", 3 Section Signal, Mast Arm Mounted .....	1,229.90	
34 41 13 00-0211 EA 12" FCV Visor .....	95.65	
34 41 13 00-0212 EA 8" FCV Visor .....	65.47	
34 41 13 00-0213 EA Eggcrate Visor .....	91.92	
34 41 13 00-0214 EA Pedestrian H/M .....	977.50	
34 41 13 00-0215 EA Pedestrian Audio .....	1,088.70	
34 41 13 00-0216 EA Adjustable Pushbutton .....	243.50	
34 41 13 00-0217 EA ADA Cap And Switch .....	326.58	
34 41 13 00-0218 EA 3 Section 12" Backplate .....	151.82	
34 41 13 00-0219 EA 3 Section 12" MAS Mount Backplate .....	223.26	
34 41 13 00-0220 EA 3 Section 8" Backplate .....	120.81	
34 41 13 00-0221 EA 12" Red LED Lenses .....	261.21	
34 41 13 00-0222 EA 12" Amber LED Lenses .....	281.98	
34 41 13 00-0223 EA 12" Green LED Lenses .....	509.86	
34 41 13 00-0224 EA 12" Red Arrow .....	259.54	
34 41 13 00-0225 EA 12" Amber Arrow .....	244.33	
34 41 13 00-0226 EA 12" Green Arrow .....	377.62	
34 41 13 00-0227 EA 8" Red .....	256.46	
34 41 13 00-0228 EA 8" Amber .....	245.22	
34 41 13 00-0229 EA 8" Green .....	300.66	
34 41 13 00-0230 EA Hand/Man .....	458.30	
34 41 13 00-0231 EA Frameworks, 8" TV-1-T .....	557.68	
34 41 13 00-0232 EA Frameworks, 8" TV-2-T .....	638.37	
34 41 13 00-0233 EA Frameworks, MAT MT .....	162.28	
34 41 13 00-0234 EA Frameworks, MAS MT .....	178.42	
34 41 13 00-0235 EA Frameworks, 3W PT TC .....	349.70	
34 41 13 00-0236 EA Frameworks, 2W PT TC .....	358.04	
34 41 13 00-0237 EA Frameworks, 2W SM TC .....	336.52	
34 41 13 00-0238 EA Frameworks, SV-1 .....	220.57	
34 41 13 00-0239 EA Frameworks, TV-1 .....	212.50	
34 41 13 00-0240 EA Type III Service Pedestal .....	4,536.65	
34 41 13 00-0241 EA Single Fuse Holder .....	38.41	
34 41 13 00-0242 EA Double Fuse Holder .....	106.16	
34 41 13 00-0243 EA Pullbox, 1-1/2" x 20" x 14" .....	86.82	
34 41 13 00-0244 EA Pullbox, 5" x 28" x 18" .....	120.18	
34 41 13 00-0245 EA Pullbox, 6" x 36" x 23" .....	157.51	
34 41 13 00-0246 EA Pullbox Lids, FL9D .....	105.41	
34 41 13 00-0247 EA Pullbox Lids, FL30D .....	200.69	
34 41 13 00-0248 EA Pullbox Lids, FL36D .....	49.47	
34 41 13 00-0249 EA LED Enhanced Pedestrian Crossing Symbol Sign .....	1,880.70	82.50
Note: 2 required per system.		
34 41 13 00-0250 EA 42" Height, 8-1/2" Diameter Automatic Bollard Activation System .....	5,311.49	495.03
Note: 4 required per system.		
34 41 13 00-0251 EA Power Control Unit With Enclosure (Solar) .....	19,816.31	330.01
Note: LightGuard Systems solar power equipment Includes: one solar array consisting of 1 Siemens SP70 solar power module (21" x 47" to be pole mounted, pole not included), #14 AWG solar tray cable, mounting hardware, one enclosure (16-1/2" width x 27-1/2" height x 15" depth), two 12V 80AH deep cycle gel cell batteries and a solar power control unit (PCU).		
34 41 13 00-0252 EA Power Control Unit With Enclosure (A/C) .....	12,614.03	330.01
34 41 13 00-0253 EA Push Button Assembly With Sign .....	1,002.42	165.01
34 41 13 00-0254 EA Advanced Warning Signs .....	2,108.17	165.01
34 41 13 00-0255 EA 14' High Galvanized Steel Traffic Signal Pole .....	3,463.66	
Note: For mast arm.		
34 41 13 00-0256 EA 21' High Galvanized Steel Traffic Signal Pole .....	5,385.23	
Note: For mast arm.		
34 41 13 00-0257 EA 22' High Galvanized Steel Traffic Signal Pole .....	5,602.18	
Note: For mast arm and luminare arm.		
34 41 13 00-0258 EA 30' High Galvanized Steel Traffic Signal Pole, Tapered, For >55' Mast Arm .....	7,592.61	
Note: For mast arm and luminare arm.		
34 41 13 00-0259 EA 32' High Galvanized Steel Traffic Signal Pole, Tapered, For Up To 55' Mast Arm .....	8,112.62	
Note: For mast arm and luminare arm.		
34 41 13 00-0260 EA 30' High Galvanized Steel Traffic Signal Pole, Tapered, For Up To 55' Mast Arm .....	6,255.16	
34 41 13 00-0261 EA 30' High Galvanized Steel Traffic Signal Pole, Octafute .....	5,548.74	
34 41 13 00-0262 EA 30' (High Spun Aluminum Traffic Signal Pole, Tapered .....	4,480.25	
34 41 13 00-0263 EA Type 26-6-70 Signal Pole With 55' SMA And 20' LMA .....	24,540.09	
34 41 13 00-0264 EA Type 29-6-70 Signal Pole With 65' SMA And 20' LMA .....	28,198.13	
<b>34 41 13 00-0265</b>	<b>Traffic Signal Cable <small>(34 41 13)</small></b>	
34 41 13 00-0266 LF 16 AWG, 2-Conductor, Solid, Traffic Signal Cable .....	1.84	0.75
34 41 13 00-0267 LF 16 AWG, 3-Conductor, Solid, Traffic Signal Cable .....	2.11	0.80
34 41 13 00-0268 LF 16 AWG, 4-Conductor, Solid, Traffic Signal Cable .....	2.37	0.86
34 41 13 00-0269 LF 16 AWG, 5-Conductor, Solid, Traffic Signal Cable .....	2.60	0.91
34 41 13 00-0270 LF 16 AWG, 6-Conductor, Solid, Traffic Signal Cable .....	2.90	0.96
34 41 13 00-0271 LF 16 AWG, 8-Conductor, Solid, Traffic Signal Cable .....	3.41	1.06
34 41 13 00-0272 LF 16 AWG, 10-Conductor, Solid, Traffic Signal Cable .....	4.04	1.23
34 41 13 00-0273 LF 16 AWG, 12-Conductor, Solid, Traffic Signal Cable .....	4.67	1.39
34 41 13 00-0274 LF 16 AWG, 16-Conductor, Solid, Traffic Signal Cable .....	5.61	1.55
34 41 13 00-0275 LF 16 AWG, 20-Conductor, Solid, Traffic Signal Cable .....	6.77	1.71
34 41 13 00-0276 LF 14 AWG, 2-Conductor, Solid, Traffic Signal Cable .....	1.93	0.75
34 41 13 00-0277 LF 14 AWG, 3-Conductor, Solid, Traffic Signal Cable .....	2.24	0.80

<b>34</b>	<b>Transportation</b>
<b>34 40</b>	<b>Transportation Signaling and Control Equipment</b>
<b>34 41</b>	<b>Roadway Signaling and Control Equipment</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 41 13 00-0278 LF 14 AWG, 4-Conductor, Solid, Traffic Signal Cable .....	2.53	0.86
34 41 13 00-0279 LF 14 AWG, 5-Conductor, Solid, Traffic Signal Cable .....	2.80	0.91
34 41 13 00-0280 LF 14 AWG, 6-Conductor, Solid, Traffic Signal Cable .....	3.14	0.96
34 41 13 00-0281 LF 14 AWG, 8-Conductor, Solid, Traffic Signal Cable .....	3.73	1.06
34 41 13 00-0282 LF 14 AWG, 10-Conductor, Solid, Traffic Signal Cable .....	4.43	1.23
34 41 13 00-0283 LF 14 AWG, 12-Conductor, Solid, Traffic Signal Cable .....	5.14	1.39
34 41 13 00-0284 LF 14 AWG, 16-Conductor, Solid, Traffic Signal Cable .....	6.24	1.55
34 41 13 00-0285 LF 14 AWG, 20-Conductor, Solid, Traffic Signal Cable .....	7.61	1.71
34 41 13 00-0286 LF 12 AWG, 2-Conductor, Solid, Traffic Signal Cable .....	2.14	0.75
34 41 13 00-0287 LF 12 AWG, 3-Conductor, Solid, Traffic Signal Cable .....	2.55	0.80
34 41 13 00-0288 LF 12 AWG, 4-Conductor, Solid, Traffic Signal Cable .....	2.92	0.86
34 41 13 00-0289 LF 12 AWG, 5-Conductor, Solid, Traffic Signal Cable .....	3.27	0.91
34 41 13 00-0290 LF 12 AWG, 6-Conductor, Solid, Traffic Signal Cable .....	3.73	0.96
34 41 13 00-0291 LF 12 AWG, 8-Conductor, Solid, Traffic Signal Cable .....	4.50	1.06
34 41 13 00-0292 LF 12 AWG, 10-Conductor, Solid, Traffic Signal Cable .....	5.38	1.23
34 41 13 00-0293 LF 12 AWG, 12-Conductor, Solid, Traffic Signal Cable .....	6.28	1.39
34 41 13 00-0294 LF 12 AWG, 16-Conductor, Solid, Traffic Signal Cable .....	7.75	1.55
34 41 13 00-0295 LF 12 AWG, 20-Conductor, Solid, Traffic Signal Cable .....	9.63	1.71
<b>34 41 13 00-0296 School Zone Flasher Beacons <sup>(34 41 13)</sup></b>		
34 41 13 00-0297 EA One 8" Amber LED Beacon Head, Solar Panel School Zone Flasher Beacons Assembly .....	5,911.16	158.75
Note: Includes 365 day timer, aluminum control/battery enclosure, 2 AGM cell batteries, brackets, 30 Watt tilted solar panel, solar regulator, and solid state flasher.		
34 41 13 00-0298 EA One 12" Amber LED Beacon Head, Solar Panel School Zone Flasher Beacons Assembly .....	5,954.16	158.75
Note: Includes 365 day timer, aluminum control/battery enclosure, 2 AGM cell batteries, brackets, 30 Watt tilted solar panel, solar regulator, and solid state flasher.		
34 41 13 00-0299 EA Two 8" Amber LED Beacon Head, Solar Panel School Zone Flasher Beacons Assembly .....	6,684.17	158.75
Note: Includes 365 day timer, aluminum control/battery enclosure, 2 AGM cell batteries, brackets, 40 Watt tilted solar panel, solar regulator, and solid state flasher.		
34 41 13 00-0300 EA Two 12" Amber LED Beacon Head, Solar Panel School Zone Flasher Beacons Assembly .....	6,821.77	158.75
Note: Includes 365 day timer, aluminum control/battery enclosure, 2 AGM cell batteries, brackets, 40 Watt tilted solar panel, solar regulator, and solid state flasher.		
34 41 13 00-0301 EA 10" Digit Radar Display, One 12" Amber LED Beacon Head, Solar Panel School Zone Flasher Beacons Assembly ...	12,633.05	158.75
Note: Includes 365 day timer, aluminum control/battery enclosure, 2 AGM cell batteries, brackets, 80 Watt tilted solar panel, solar regulator, and solid state flasher.		
34 41 13 00-0302 EA 10" Digit Radar Display, Two 12" Amber LED Beacon Head, Solar Panel School Zone Flasher Beacons Assembly ...	13,172.29	158.75
Note: Includes 365 day timer, aluminum control/battery enclosure, 2 AGM cell batteries, brackets, 40 Watt tilted solar panel, solar regulator, and solid state flasher.		
<b>34 41 13 00-0303 Traffic Light Control Synchronization <sup>(34 41 13)</sup></b>		
34 41 13 00-0304 EA ENCOM COMPAK IP Radio/Wireless Ethernet Transceiver, 900 MHz FHSS 1 Watt output power and 128-bit data encryption with 1.1Mbps Throughput .....	5,083.66	
34 41 13 00-0305 EA ENCOM 5200R 900 MHz Serial Radio Modem, contains one Serial (RS-232 or RS-485) interface and 170/TS1/TS2 detector rack (EPR-5200R) .....	3,754.34	
34 41 13 00-0306 EA ENCOM Dual 2.4/2.4 GHz Broadband Radio with Integrated Antenna (COMMPAKBB24/24) .....	8,345.96	
34 41 13 00-0307 EA 5.8 GHz Broadband Radio with Integrated Antenna (COMMPAKBB58INT) .....	5,812.58	
34 41 13 00-0308 EA 2.4 GHz Broadband Radio with Integrated Antenna (COMMPAKBB24INT) .....	5,812.58	
34 41 13 00-0309 EA Solar Cabinet Assembly .....	15,287.51	
34 41 13 00-0310 EA Data Controller Interface Cable Assembly .....	576.80	
34 41 13 00-0311 EA 900 MHZ Splitter .....	735.06	
34 41 13 00-0312 EA 900 MHZ Surge Suppressor .....	269.13	
34 41 13 00-0313 EA Surge-Radio Lead in Cable .....	169.62	
34 41 13 00-0314 EA 12DB GAIN YAGI Antenna .....	712.49	
34 41 13 00-0315 EA PELCO Antenna Mounting Bracket .....	450.16	
34 41 13 00-0316 MLF Coaxial Cable, LMR-400 .....	4,095.70	
34 41 13 00-0317 EA Perle 16 Port Serial Server .....	3,825.22	
34 41 13 00-0318 EA Serial to Ethernet Card .....	2,205.21	
34 41 13 00-0319 EA 404 Stand Alone Modem (GDI 404) .....	2,069.40	
<b>34 41 13 00-0320 Traffic Signal Controls <sup>(34 41 13)</sup></b>		
34 41 13 00-0321 EA Master Card for Type 2070 or NEMA TS2 traffic controllers (CC-TS2) .....	1,708.32	
34 41 13 00-0322 EA Extension Card for Type 2070 or NEMA traffic controllers (EX-TS2) .....	768.84	
34 41 13 00-0323 EA AccessBox for contract closure master card (CC-ACC) .....	267.47	
34 41 13 00-0324 EA Flush Mount Wireless Sensor (ATT VSN240-F) .....	1,023.70	
34 41 13 00-0325 EA Flush Mount Wireless Sensor (Speed & Count VSN240-F) .....	1,023.70	
34 41 13 00-0326 EA Epoxy Tube for Installation of Wireless Sensor (VSN240-EPX) .....	156.52	
34 41 13 00-0327 EA SNAPS License for each enabled AP (SNAPS-PER-AP) .....	440.28	
<b>34 41 13 00-0328 Traffic Signal Devices <sup>(34 41 13)</sup></b>		
34 41 13 00-0329 EA 12" Polycarbonate Signal Head Housing (McCain) .....	923.23	74.25
34 41 13 00-0330 EA 16" Polycarbonate Pedestrian Signal Housing (McCain) .....	454.44	57.76
34 41 13 00-0331 EA Pedestrian Push Button Cap & Switch (McCain M31334) .....	291.98	107.26
34 41 13 00-0332 EA Pedestrian Push Button Frame Assembly 4" Diameter Pole (McCain M19712) .....	390.99	156.75
34 41 13 00-0333 EA Pedestrian Push Button Frame Assembly 2" Diameter Pole (McCain M30793) .....	297.87	123.75
34 41 13 00-0334 EA 16 Channel Conflict Monitor (McCain 2010 ECLIP) .....	1,433.97	53.62
34 41 13 00-0335 EA LED Countdown Head (McCain GTX PS7-CFF1-VLA) .....	287.22	20.63
34 41 13 00-0336 EA Traffic signal Video Detection Camera (Iteris RZ4-awdr) .....	3,270.71	90.75



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 41 13 00-0337 EA Camera processor card (Iteris Edge Connect).....	7,527.01	132.01
34 41 13 00-0338 EA Wireless Broadband Radio (Encom BB58).....	7,108.62	123.75
34 41 13 00-0339 EA 24-port Gigabit and 4-port 1G/10G SFP+ Ethernet Switch (Etherwan EX77900).....	4,681.69	99.01
34 41 13 00-0340 EA Power Adapter (Mean Well DR-120-48).....	142.47	30.94
34 41 13 00-0341 LF 14/1 Cal Trans Type 2 Inductive Traffic Detection Loops (Advanced Digital Cable 8452).....	0.75	
34 41 13 00-0342 EA Radar Detection System (Wavetronix Matrix).....	13,394.90	313.52
34 41 13 00-0343 EA Pedestrian Audio Push Button (Polara APS).....	350.00	78.38
34 41 13 00-0344 EA Opticom Infrared System - Detector (GTT 711).....	1,011.00	73.59
34 41 13 00-0345 EA Opticom Infrared System - Detector (GTT 721).....	1,131.14	82.34
34 41 13 00-0346 EA Opticom Infrared System - Detector (GTT 722).....	1,575.44	114.68
34 41 13 00-0347 EA Opticom Multimode Phase Selector (GTT 764).....	5,463.92	67.89
34 41 13 00-0348 LF Opticom GPS Installation Cable (GTT 1070).....	0.91	
34 41 13 00-0349 EA Precast Concrete Traffic Pull Box, 5-T, with steel frame & diamond steel plate lid ("Traffic Signal") (Jensen Precast HT1324).....	889.90	
34 41 13 00-0350 EA Precast Concrete Traffic Pull Box, 6-T, with steel frame & diamond steel plate lid ("Traffic Signal") (Jensen Precast HT1730).....	944.12	
34 41 13 00-0351 EA UPS Module (Alpha Technologies FXM 350).....	1,461.47	45.16
Note: For battery backup in traffic signal control cabinet		
34 41 13 00-0352 EA Web Connected Relay Switch (Control by Web X-301 WebRelay-Dual).....	442.15	37.13
Note: To control flashing "School" signs		
34 41 13 00-0353 LF Fiber optic cable, 72 strand, single mode, riser non-plenum jacket (Optical Cable Corp DX072DSLX9KR).....	10.31	0.38
34 41 13 00-0354 LF Fiber optic cable, 12 strand, multi mode, riser non-plenum jacket (Superior Essex W30126G01 MM Fiber).....	2.34	0.32
34 41 13 00-0355 EA 12" LED Signal Module, Tinted Lens, Red (GE DR6-RTFB-VLA).....	116.11	37.13
34 41 13 00-0356 EA 12" LED Signal Module, Tinted Lens, Yellow (GE DR6-YTFB-VLA).....	116.11	37.13
34 41 13 00-0357 EA 12" LED Signal Module, Tinted Lens, Green (GE DR6-GTFB-VLA).....	116.11	37.13
34 41 13 00-0358 EA 12" LED Signal Module, Clear Lens, Red (GE DR6-RCFB-VLA).....	116.11	37.13
34 41 13 00-0359 EA 12" LED Signal Module, Clear Lens, Yellow (GE DR6-YCFB-VLA).....	116.11	37.13
34 41 13 00-0360 EA 12" LED Signal Module, Clear Lens, Green (GE DR6-GCFB-VLA).....	116.11	37.13
34 41 13 00-0361 EA LED Countdown Pedestrian Signal, 16" x 18" (GE PS7-CFF1-VLA).....	352.09	94.88
34 41 13 00-0362 EA EOC Switch (Actellis ML688).....	5,245.26	293.55
34 41 13 00-0363 EA Ethernet Extender Kit (ENABLE-IT 860 Pro).....	1,421.84	67.74
34 41 13 00-0364 EA #5 pull box lid (Concrete, Bolt down) (Christy N30T).....	111.37	21.26
34 41 13 00-0365 EA #5 pull box lid (Steel, Bolt down) (Christy N30-61J).....	413.79	30.77
34 41 13 00-0366 EA #6 pull box lid (Concrete, Bolt down) (Christy N36T).....	140.25	21.26
34 41 13 00-0367 EA #6 pull box lid (Steel, Bolt down) (Christy N36-61J).....	503.18	30.77
34 41 13 00-0368 EA Battery Back-up (Alpha FXM110 UPS).....	3,475.36	90.33
34 41 13 00-0369 EA Battery (Alpha AlphaCell 220GXL).....	484.45	22.58
34 41 13 00-0370 EA BBS Cabinet (Alpha SE48-1616).....	3,920.81	203.23
34 41 13 00-0371 LF Fiber 72 Strands (Corning 072ZU4-T3F22D20).....	4.85	1.77
34 41 13 00-0372 LF Fiber 12 Strands (Corning 012ZU4-T3F22D20).....	2.11	0.81
34 41 13 00-0373 EA FDU & Splice Cassette with LC connector type (Corning CCH-01U, CCH-CS12-B3-P00RE).....	1,214.55	67.74
34 41 13 00-0374 EA 12" THREE SECTION HOUSING (McCain M22435).....	837.13	45.16
34 41 13 00-0375 EA 12" FOUR SECTION HOUSING (McCain M30883).....	1,068.98	67.74
34 41 13 00-0376 EA 12" FIVE SECTION HOUSING (McCain M31769).....	1,255.68	67.74
34 41 13 00-0377 EA 12" CLUSTER, WITHOUT MAS (McCain M30987).....	1,349.03	67.74
34 41 13 00-0378 EA CMU DATAKEY PROGRAMMER, EDI MONITORKEY-USB (McCain M84650).....	837.13	45.16
34 41 13 00-0379 EA NAVIGATOR iN2 APS 2 WIRE PPB #N250N0-B (Polara iN250N0-B).....	837.13	45.16
34 41 13 00-0380 EA NAVIGATOR iN2 CONTROLLER RACK MOUNT ICCU-C (Polara ICCU-C).....	4,983.64	158.07
34 41 13 00-0381 EA NAVIGATOR iN2 INTERCONNECT BOARD iN2-ICB-C (Polara iN2-ICB-C).....	231.86	22.58
34 41 13 00-0382 EA NAVIGATOR iN2 POWER SUPPLY iN2-150-WPS-C (Polara iN2-150-WPS-C).....	231.86	22.58
34 41 13 00-0383 EA NAVIGATOR iN2 CONNECTOR iN2-C4CABLE-C (Polara iN2-c4cable-C).....	534.49	33.87
34 41 13 00-0384 EA 12" Visor (McCain M19302).....	36.73	9.04
34 41 13 00-0385 EA LS,2202-HV (iPack), HDSP/FLASHER UNIT,ATC (McCain M36256).....	441.14	33.87
34 41 13 00-0386 EA SIU,2218 SERIAL INTERFACE UNIT,ATC (McCain M36258).....	743.78	45.16
34 41 13 00-0387 EA CMU,2212-HV (ip),32 CH W/ ETHERNET PORT, ATC (McCain M36259).....	1,395.70	67.74
34 41 13 00-0388 EA ATCC-HV, INPUT ASSEMBLY, 24 CH W/ CONN IDC26 (McCain M54487).....	743.78	45.16
34 41 13 00-0389 EA HARN, SB1/SB2,COMM EXTENSION (McCain M48062).....	138.51	22.58
34 41 13 00-0390 EA ATCC-HV/LV, FITA ASSEMBLY, 24CH (McCain M54489).....	441.14	33.87
34 41 13 00-0391 EA CMU DATAKEY PROGRAMMER, EDI MONITORKEY-USB (McCain M84650).....	837.13	45.16
34 41 13 00-0392 EA 242L ISOLATOR, EDI (McCain M56812).....	138.51	22.58
34 41 13 00-0393 EA EDI 222 DETECTOR (McCain M11407).....	185.18	22.58
34 41 13 00-0394 EA ALPHA BBS, INVERTER & BYPASS SWITCH (McCain M59763).....	3,399.71	112.90
34 41 13 00-0395 EA GENERATOR SWITCH AND PLUG ASS'Y FOR ALPHA BBS (McCain M68752-2).....	538.41	45.16
34 41 13 00-0396 EA BBS BATTERY, ALPHACELL 165GXL (McCain M59884).....	743.78	45.16
34 41 13 00-0397 EA Battery Backup Cabinet Anondize 44x26x12 (McCain M64438A).....	1,582.40	67.74

**34 41 16 Traffic Control Equipment (34 41)****34 41 16 00-0001 Transportation Control Equipment (34 41 16)**

34 41 16 00-0002 EA CONTROLLER/SL/POLE MTD/1-PHASE/100A.....	9,928.82	742.19
34 41 16 00-0003 EA CONTROLLER/SL/ON EMB POLE 1-PH/100A.....	10,014.32	784.93
34 41 16 00-0004 EA CONTROLLER, SL, 3-PHASE, 100A, BASE MTD.....	12,318.20	794.16
34 41 16 00-0005 EA CONTROLLER, SL, 3-PHASE, 200A, BASE MTD.....	14,629.40	964.24
34 41 16 00-0006 EA CONTROLLER/SL/BASE MTD/1-PHASE/100A.....	12,248.32	475.68
34 41 16 00-0007 EA CONTROLLER/SL/BASE MTD/1-PHASE/200A.....	13,584.43	520.78
34 41 16 00-0008 EA CONTROLLER, TS, 12-BAY, "M" CABINET.....	22,402.81	818.76
34 41 16 00-0009 EA CONTROLLER, TS, 12-BAY, "P" CABINET.....	23,819.70	907.34
34 41 16 00-0010 EA CONTROLLER, TS, 12-BAY "P" CABINET With FO MASTER.....	34,272.88	1,020.09
34 41 16 00-0011 EA CONTROLLER, TS, 16-BAY, "P" CABINET.....	27,037.12	966.39
34 41 16 00-0012 EA CONTROLLER, PEDESTRIAN CROSSING, ADD-IN.....	738.28	113.50
34 41 16 00-0013 EA CONCRETE BLOCK PEDESTAL.....	737.72	170.41

**34 Transportation****34 40 Transportation Signaling and Control Equipment****34 41 Roadway Signaling and Control Equipment**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 41 16 00-0014 WK MAINTAIN EXIST TS INSTALLATION .....	250.83	125.41
34 41 16 00-0015 EA INST SIGN BOARDS, ST. NAME.....	485.43	224.74
34 41 16 00-0016 EA F.O. ADD-IN FOR LOCAL CONTROLLER.....	11,411.49	282.41
34 41 16 00-0017 EA F.O. ADD-IN FOR MASTER CONTROLLER.....	27,811.32	423.74
34 41 16 00-0018 EA PDU Equipped netBooster With IEC320 C13 Outlets (Synaccess NP-0808DUH) .....	1,057.97	11.77
34 41 16 00-0019 EA Remote Power Switched netBooster PDU, 8 Independent Outlets (Synaccess NP-0801DU).....	597.02	11.77
<b>34 41 16 00-0020 Transportation Cabinets (34 41 16)</b>		
<b>34 41 16 00-0021 Transportation Cabinets (Dudlik Enclosures) (34 41 16 00-0020)</b>		
34 41 16 00-0022 EA 50" x 30" x 17", Aluminum CCTV Cabinet (Dudlik Enclosures).....	2,691.00	135.48
34 41 16 00-0023 EA 66" x 48" x 30", Quad Door, 19" Racks, Aluminum CCTV Cabinet (Dudlik Enclosures).....	11,862.72	135.48
34 41 16 00-0024 EA 46" x 30" x 20", 19" Rack, Aluminum TTS Cabinet (Dudlik Enclosures) .....	2,507.97	135.48
34 41 16 00-0025 EA 50" x 30" x 17", Aluminum ITS Controller Cabinet (Dudlik Enclosures) .....	2,691.00	135.48
34 41 16 00-0026 EA 60" x 50" x 36", Quad Door, 19" Racks, Aluminum Fiber Cross Connect Cabinet (Dudlik Enclosures).....	12,269.45	135.48
34 41 16 00-0027 EA 55" x 16" x 17", Aluminum ITS Meter Cabinet (Dudlik Enclosures).....	1,694.52	135.48
<b>34 41 16 00-0028 Transportation Cabinets (APX Enclosures) (34 41 16 00-0020)</b>		
34 41 16 00-0029 EA 28" Wide, 16" Depth, 46" High, ITS Controller Cabinet (APX Enclosure LS503017).....	6,710.15	158.07
Note: 3R, single door, pad mounted aluminum enclosure. Includes natural finish, aluminum back panel, light kit with door switch, thermostatically controlled fan kit, heater kit with thermostat, one aluminum moveable shelf, and one aluminum moveable shelf with slide out drawer. Excludes pad.		
<b>34 41 16 00-0030 Transportation Cabinets (Transportation Control Systems) (34 41 16 00-0020)</b>		
34 41 16 00-0031 EA 30" Wide, 16" Depth, 48" High, Type 4, Aluminum Transportation Cabinet With Door Vents (Transportation Control Systems B483016B2D2S) .....	2,531.37	135.48
34 41 16 00-0032 EA 30" Wide, 16" Depth, 60" High, Type 4 Stretch, Aluminum Transportation Cabinet With Door Vents (Transportation Control Systems B603016B2D2S).....	3,177.33	144.52
<b>34 41 16 00-0033 Transportation Cabinets (McCain) (34 41 16 00-0020)</b>		
34 41 16 00-0034 EA 24" Wide, 30" Depth, 67" High, ATC Cabinet (McCain 3521) .....	12,349.48	158.07
Note: 3R, single door, pad mounted anodized aluminum enclosure. Excludes pad.		
34 41 16 00-0035 EA 24" Wide, 30" Depth, 67" High, ATC Cabinet (McCain 332) .....	12,349.48	158.07
Note: 3R, single door, pad mounted anodized aluminum enclosure. Excludes pad.		
34 41 16 00-0036 EA ATC ColdFire Controller (McCain 170).....	6,242.20	
<b>34 41 16 00-0037 Traffic Control Equipment (34 41 16)</b>		
34 41 16 00-0038 EA ProStar PWM Charge Controller 12/24 Volt, 15 Amperes Without Display (Morningstar PS-15) .....	280.37	45.16
34 41 16 00-0039 EA ProStar PWM Charge Controller 12/24 Volt, 15 Amperes With Display (Morningstar PS-15M) .....	383.35	45.16
34 41 16 00-0040 EA ProStar PWM Charge Controller 12/24 Volt, 30 Amperes With Display (Morningstar PS-30M) .....	448.75	45.16
34 41 16 00-0041 EA ProStar PWM Charge Controller 12/24 Volt, 30 Amperes Without Display (Morningstar PS-30) .....	337.55	45.16
34 41 16 00-0042 MLF 10 AWG, 2 Conductor, 600V, Type TC, Non-Shielded Control Tray Cable (EnerSys A51002R) .....	2,604.06	495.03
34 41 16 00-0043 EA Vehicle Detector, Circuit Breaker, 0.2 Amperes, Wavetronix SmartSensor (Wavetronix WX-CLK-210-02).....	107.95	22.58
34 41 16 00-0044 EA Vehicle Detector, 2.4 GHz 12 dBi Omni Antenna, Wavetronix SmartSensor (Wavetronix WX-100-0141).....	545.35	52.92
34 41 16 00-0045 EA Detection System, Vehicle, Two Sensor Preassembled Backplate, with AC Power (Wavetronix WX-SSB01-0003).....	2,954.62	158.75
34 41 16 00-0046 EA Vehicle Detector, Power Supply, 24 Volt DC, 4 Amperes (Wavetronix WX-CLK-204).....	537.01	22.58
34 41 16 00-0047 EA Vehicle Detector, 4-Channel Contact Matrix Closure, Rack Card (Wavetronix WX-CLK-114).....	777.70	22.58
34 41 16 00-0048 EA 4 Channel Din-Rail Contact Closure Module (Wavetronix WX-CLK-104) .....	875.19	45.16
34 41 16 00-0049 EA Detection System, Vehicle, Four Sensor Preassembled Backplate, With AC Power, Wavetronix Smartsensor (Wavetronix WX-SS-B01-0005) .....	3,983.24	45.16
34 41 16 00-0050 EA 50' Wavetronix Wiring Whip (Wavetronix WX-SS-708-060).....	317.48	158.75
34 41 16 00-0051 EA 60', 6-Conductor Power And Communication Cable With Connector (Wavetronix WX-SS-704-060).....	550.29	39.68
34 41 16 00-0052 EA 900 MHz 5 dBi Omni Antenna, Wavetronix SmartSensor (Wavetronix WX-100-0119) .....	461.63	52.92
34 41 16 00-0053 EA 900 MHz 9 dBi Yagi Antenna, Wavetronix SmartSensor (Wavetronix WX-100-0120).....	273.27	52.92
34 41 16 00-0054 EA Wavetronix Click 201 AC To DC Power Converter (Wavetronix WX-CLK-201).....	327.71	22.58
34 41 16 00-0055 EA 24 Volt DC 2 Amperes, Wavetronix Smartsensor (Wavetronix WX-CLK-202).....	400.96	22.58
34 41 16 00-0056 EA Coax Surge N-Type, Wavetronix SmartSensor (Wavetronix WX-CLK-250).....	170.74	22.58
34 41 16 00-0057 EA Power, RS232/RS485 Surge, Wavetronix Smartsensor (Wavetronix WX-CLK-200).....	547.47	22.58
34 41 16 00-0058 EA Two Sensor Surge, Wavetronix SmartSensor (Wavetronix WX-CLK-222).....	620.73	22.58
34 41 16 00-0059 EA RS232 to RS485 Converter, Wavetronix SmartSensor (Wavetronix WX-CLK-304) .....	777.70	22.58
34 41 16 00-0060 EA Wavetronix Click 301 Serial To Ethernet Converter (Wavetronix CLK-301) .....	45.16	22.58
34 41 16 00-0061 EA Sensor Mount, Heavy Duty, 6 inch, 2 Axis Aluminum Bracket (Wavetronix WX-SS-611).....	472.10	52.92
34 41 16 00-0062 MLF LF, UV Resistant Polyethylene Jacketed Cable (Times Microwave Systems LMR-400).....	3,127.30	495.03
34 41 16 00-0063 EA N-Male (Plug) Clamp Connector (Times Microwave Systems TC-400-NMC).....	50.12	13.55
34 41 16 00-0064 EA Spectra IV SE Back Box, Heavy-Duty, Pendant Mount (Pelco BB4HD-PG-E) .....	992.27	54.19
34 41 16 00-0065 EA Spectra III Clear Pendant Lower Dome, Heavy Duty (Pelco Id53hdpb-1).....	949.54	67.74
34 41 16 00-0066 EA 24" Height, Ceiling/Pedestal Mount For Pan/Tilts Or Enclosures (Pelco pm2000) .....	202.29	22.58
34 41 16 00-0067 EA 10" Height, Ceiling/Pedestal Mount For Pan/Tilts Or Enclosures (Pelco pm2010) .....	142.62	22.58
34 41 16 00-0068 EA 24 Volt AC, Remote Data Port (Pelco IPS-RDPE-2).....	521.63	22.58
34 41 16 00-0069 EA Spectra IV Remote Monitor Interface Cable (Pelco IPS-CABLE) .....	204.12	22.58
34 41 16 00-0070 EA 120 Volt AC, 12.5 Watt, 12 Volt DC, 600 mA, External Plug In Power Supply (Triad Magnetics WDU12-600).....	68.98	22.58
34 41 16 00-0071 EA Control Area Network Direct Current Input/Output (Daktronics 0P-1247-0009).....	718.22	45.16
Note: Input/Output for sign peripherals.		
34 41 16 00-0072 EA Control Area Network Direct Current Input/Output (Daktronics 0P-1247-4009).....	718.22	45.16
Note: Input/Output for sign peripherals.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 41 16 00-0073 EA Control Area Network Distribution Board (Daktronics 0P-1248-0005) ..... Note: Signal distribution point between sign modules and peripherals, and VFC-3000 Field Controller.	1,398.43	45.16
34 41 16 00-0074 EA Control Area Network Distribution Board (Daktronics 0P-1248-0011) ..... Note: Signal distribution point between sign modules and peripherals, and VFC-3000 Field Controller.	1,398.43	45.16
34 41 16 00-0075 EA Control Area Network Temperature And Light Sensor (Daktronics 0P-1247-0019)..... Note: Measures temperature and detects light and reports to CAN Dist Board.	446.13	45.16
34 41 16 00-0076 EA Control Area Network Temperature, Light Sensor, And Humidity (Daktronics 0P-1247-0015)..... Note: Measures temperature and detects light and humidity and reports to CAN Dist board.	655.43	45.16
34 41 16 00-0077 EA Control Area Network Temperature, Light Sensor, And Humidity (Daktronics 0P-1247-0021)..... Note: Measures temperature and detects light and humidity and reports to CAN Dist board.	655.43	45.16
34 41 16 00-0078 EA Control Area Network Temperature And Light Sensor (Daktronics 0P-1247-0003)..... Note: Measures temperature and detects light and reports to CAN Dist board.	529.85	45.16
34 41 16 00-0079 EA Controller, VFC-3000 Field Controller NTCIPv1 (Daktronics 0A-1248-0016) ..... Note: The "brains" of the sign. Receives information from NTCIP central software and reports status and diagnostic information.	9,779.63	180.65
34 41 16 00-0080 EA DC/DC, Direct Current to Direct Current Converter (Daktronics 0P-1247-0025) ..... Note: Takes 24 Volt DC input from two power supplies and outputs 9 Volt DC for CAN Dist Board, providing power redundancy.	400.96	22.58
34 41 16 00-0081 EA Driver (Daktronics 0P-1100-0026) ..... Note: Driver takes data packets from Control Area Network to determine what pixels (LED clusters) are ON and which are OFF.	762.93	36.13
34 41 16 00-0082 EA External Temp Sensor (Daktronics 0P-1100-0014) ..... Note: Sensor that measures ambient temperature.	668.75	36.13
34 41 16 00-0083 EA Internal Temp Sensor (Daktronics 0P-1100-0038) ..... Note: Sensor that measures sign internal temperature.	752.46	36.13
34 41 16 00-0084 EA Light Level Detector (Daktronics 0P-1151-0002) ..... Note: The values from the light sensors are used by the sign controller to determine the appropriate sign brightness.	438.52	36.13
34 41 16 00-0085 EA Module (Daktronics 0A-1253-0608) ..... Note: Printed circuit board with pixels (clusters of light emitting diodes) that illuminate on face of display.	1,398.43	45.16
34 41 16 00-0086 EA Module (Daktronics 0A-1253-3018) ..... Note: Printed circuit board with pixels (clusters of light emitting diodes) that illuminate on face of display.	1,764.70	45.16
34 41 16 00-0087 EA Module (Daktronics 0A-1266-5002) ..... Note: Printed circuit board with pixels (clusters of light emitting diodes) that illuminate on face of display.	1,555.41	45.16
34 41 16 00-0088 EA Module (Daktronics 0A-1332-6252) ..... Note: Printed circuit board with pixels (clusters of light emitting diodes) that illuminate on face of display.	2,183.29	45.16
34 41 16 00-0089 EA Module (Daktronics 0A-1332-6455) ..... Note: Printed circuit board with pixels (clusters of light emitting diodes) that illuminate on face of display.	1,764.70	45.16
34 41 16 00-0090 EA Module (Daktronics 0A-1332-6654) ..... Note: Printed circuit board with pixels (clusters of light emitting diodes) that illuminate on face of display.	1,764.70	45.16
34 41 16 00-0091 EA Module (Daktronics 0P-1332-3015) ..... Note: Printed circuit board with pixels (clusters of light emitting diodes) that illuminate on face of display.	927.52	45.16
34 41 16 00-0092 EA Module (Daktronics 0P-1332-4116) ..... Note: Printed circuit board with pixels (clusters of light emitting diodes) that illuminate on face of display.	927.52	45.16
34 41 16 00-0093 EA Module (Daktronics 0P-1332-5031) ..... Note: Printed circuit board with pixels (clusters of light emitting diodes) that illuminate on face of display.	927.52	45.16
34 41 16 00-0094 EA Module (Daktronics 0P-1332-5017) ..... Note: Printed circuit board with pixels (clusters of light emitting diodes) that illuminate on face of display.	927.52	45.16
34 41 16 00-0095 EA Module Without Pan (Daktronics 0A-1253-0603) ..... Note: Printed circuit board with pixels (clusters of light emitting diodes) that illuminate on face of display; without Pan (pan is the metal bracket that holds the module securely in place in the sign).	1,398.43	45.16
34 41 16 00-0096 EA Module Without Pan (Daktronics 0A-1253-1605) ..... Note: Printed circuit board with pixels (clusters of light emitting diodes) that illuminate on face of display; without Pan (pan is the metal bracket that holds the module securely in place in the sign).	1,398.43	45.16
34 41 16 00-0097 EA Module Without Pan (Daktronics 0A-1254-1601) ..... Note: Printed circuit board with pixels (clusters of light emitting diodes) that illuminate on face of display; without Pan (pan is the metal bracket that holds the module securely in place in the sign).	1,398.43	45.16
34 41 16 00-0098 EA Pixel Strip (Daktronics 0P-1100-0016)..... Note: Pixel Strip is a smaller section of a module. Typically has three pixels (LED clusters) per strip.	456.60	45.16
34 41 16 00-0099 EA Pixel Strip (Daktronics 0P-1100-0029)..... Note: Pixel Strip is a smaller section of a module. Typically has three pixels (LED clusters) per strip.	540.32	45.16
34 41 16 00-0100 EA Power Supply (Daktronics A-1593)..... Note: Receives 120 Volt AC input and outputs appropriate Volt DC for modules.	1,660.05	45.16
34 41 16 00-0101 EA Power Supply (Daktronics A-1648)..... Note: Receives 120 Volt AC input and outputs appropriate Volt DC for modules.	1,660.05	45.16
34 41 16 00-0102 EA Power Supply (Daktronics A-2307)..... Note: Receives 120 Volt AC input and outputs appropriate Volt DC for modules.	613.57	45.16
34 41 16 00-0103 EA Surge Suppressor (Daktronics A-1129)..... Note: Receives 120 Volt AC input and outputs appropriate Volt DC for modules.	242.56	27.10
34 41 16 00-0104 EA Surge Suppressor (Daktronics A-1412)..... Note: Receives 120 Volt AC input and outputs appropriate Volt DC for modules.	525.11	27.10
34 41 16 00-0105 EA Surge Suppressor (Daktronics A-1772)..... Note: Receives 120 Volt AC input and outputs appropriate Volt DC for modules.	525.11	27.10
34 41 16 00-0106 EA Surge Suppressor (Daktronics A-2139)..... Note: Receives 120 Volt AC input and outputs appropriate Volt DC for modules.	786.73	27.10
34 41 16 00-0107 EA VCB, Vanguard Control Board (Daktronics 0P-1248-0022) ..... Note: Receives high speed serial communication over fiber or CAT5 from VFC-3000 and reports sign status and peripheral diagnostics.	1,335.64	45.16
34 41 16 00-0108 EA VMS I/O, Variable Message Sign Input/Output (Daktronics 0P-1194-0001)..... Note: Input/Output board for sign peripherals.	1,817.03	45.16
34 41 16 00-0109 EA Power Supply Assembly (Daktronics A-1856R).....	1,189.14	45.16
34 41 16 00-0110 EA Power Supply Isolation Board (Daktronics 0P-1447-2000).....	770.54	45.16
34 41 16 00-0111 EA Ventilation/Circulation Fan (Daktronics B-1075).....	268.23	45.16
34 41 16 00-0112 EA VMS Controller (V2) (Daktronics 0A-1248-0028).....	9,779.63	180.65
34 41 16 00-0113 EA Photo/Temp Sensor (Daktronics 0P-1247-0015).....	655.43	45.16

**34 Transportation**  
**34 40 Transportation Signaling and Control Equipment**  
**34 41 Roadway Signaling and Control Equipment**



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 41 16 00-0114 EA Defog Fan (Daktronics B-1053).....	97.48	22.58
34 41 16 00-0115 EA Defog Heater (Daktronics A-1792).....	128.88	22.58
34 41 16 00-0116 EA Display Card 1500, 15' Clear (Ver-Mac PB-AFF-06023A-03 PF).....	875.19	45.16
34 41 16 00-0117 EA Display Card 1500, 30' Amber (Ver-Mac PB-AFF-06023-01 PF).....	875.19	45.16
34 41 16 00-0118 EA 1-Port Decoder With H.264 And High-Definition Technology (Verint S1801E-R).....	1,150.70	45.26
34 41 16 00-0119 EA 1-Port Video Encoder Featuring H.264 Technology With One Bi-directional Audio Channel And 12V DC Universal Power Supply (Verint S1801E).....	1,150.70	45.26
34 41 16 00-0120 EA 16-Port Video Encoder Featuring H.264 Technology (Verint S1816E).....	6,371.33	45.26
34 41 16 00-0121 EA Encoder H.264 Compact, Hiperfmc (Verint S1802E).....	1,496.35	45.26
34 41 16 00-0122 EA 110 Volt AC To 12 Volt DC At 45 Watt, Transformer (Verint PS1261).....	191.81	22.58
34 41 16 00-0123 EA 1-Channel Encoder, H.264 Dual-Streaming, SD Card Slot (Bosch VIP-X1XF-E).....	696.42	45.26
34 41 16 00-0124 EA Single/Quad-Stream Decoder (Bosch VIP-XD).....	1,870.51	45.26
34 41 16 00-0125 EA 1-Output, Outdoor-Rated CCTV Power Supply Unit, 24/26/28 Volt AC (Pelco WCS1-4).....	263.30	45.16
34 41 16 00-0126 EA 4-Outputs, Outdoor-Rated CCTV Power Supply With Circuit Breaker, 24/28 Volt AC (Pelco WCS4-20B).....	616.27	45.16
34 41 16 00-0127 EA 12.5kVA, 12 Volt, 75Ah, UPS Battery (UPG UB12750).....	281.57	11.32
34 41 16 00-0128 EA Managed Ethernet Switch with 4 10/100TX Ports + 4 100FX Fiber Ports (EtherWAN EX71440-B0B).....	3,604.31	90.33
34 41 16 00-0129 EA Power Supply, Hardened, External 100-240 Volt AC Input; TS2 rated; 12 Volt DC Output Power (EtherWAN 41-136046-1).....	211.10	22.58
34 41 16 00-0130 EA 4kVA / 3.6kW Split-Phase Power Module (Eaton 9PXMSPPM).....	3,299.50	45.16
34 41 16 00-0131 EA 208-240 Volt, 4-20kVA Rack/Tower UPS (Eaton 9PXM).....	7,573.71	223.55
34 41 16 00-0132 EA 30 Amperes, 600 Volt, 3-Pole, Fusible, NEMA 3R Rainproof, Safety Switch (Square D H361RB).....	977.67	117.42
34 41 16 00-0133 EA 30 Amperes, 600 Volt, LKS Fuse (Eaton Bussmann LKS-30).....	20.29	7.22
34 41 16 00-0134 EA 60 Amperes, 600 Volt, 3-Pole, Fusible, Heavy Duty, Safety Switch (Square D H362DS).....	2,645.90	90.33
34 41 16 00-0135 EA 60 Amperes, 600 Volt, Dual Element, Time-Delay Fuse (Eaton Bussmann FRS-R-60).....	52.06	7.22
34 41 16 00-0136 EA 50 Mbps, MIMO 2x2, 15 dBi Integrated Antenna (Proxim Wireless TSUNAMI QB-820).....	2,385.22	52.92
34 41 16 00-0137 EA Singlemode Loaded Fiber Adapter Panel, 6 Simplex SC/UPC Adapters (Multi-Link 10-4810).....	106.91	34.32
34 41 16 00-0138 EA 12" x 6" x 5-1/2", 2 Panel, 2 Splice Dual Security Door, Compact Wall Mount Fiber Distribution Unit (Multilink 10-4469).....	346.57	45.16
34 41 16 00-0139 EA Single AC Inlet, 8 Nema 5-15 Outlets, Built-in AC Current Drawing Sensing Module (Synaccess NP-0801DT).....	671.36	11.77
34 41 16 00-0140 EA Aggregated TRMS AC Current Sensing, One Readout For All Outlets (Synaccess NP-0801DT(H)).....	724.24	11.77
34 41 16 00-0141 EA 550 Watt, 120 Volt AC, Fan Heater With Adjustable Thermostat, 32-140 Degree Fahrenheit (Stego CR-027).....	375.14	18.06
34 41 16 00-0142 EA 10/100M Switch, 4 x 1G Combo, LAN Base (Cisco IE-4000-4TC4G-E).....	4,555.04	108.39
34 41 16 00-0143 EA 12 Port, 2 Panel, Wall Mount, Compact Fiber Distribution Unit (Multilink FWM012XLC).....	157.87	20.77
34 41 16 00-0144 EA 6-Fiber, Singlemode, SC Simplex, Fiber Optic Cable Connector Panel (Multilink MSC-06-SM-C-BLK).....	40.73	4.51
34 41 16 00-0145 EA 170 Watt AC To DC, Industrial Ethernet Family Power Supply (Cisco PWR-IE170W-PC-AC).....	1,443.56	45.16
34 41 16 00-0146 EA 12 Port, Industrial Ethernet Layer 3 Switch Installed In Transportation Control Equipment (Cisco IE-4000-4GC4GP4G-E).....	4,961.64	90.33
34 41 16 00-0147 EA 2 kVA, 1,800 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line Uninterruptible Power Supply (UPS) (Xtreme Power P90-3000).....	3,270.22	149.03
34 41 16 00-0148 EA 100 Amperes, 16 Circuit, Main Lug Load Center Panelboard, 8-1 AWG, 120/240 Volt, Single Phase (Square D QO816L100DS).....	606.91	258.33
34 41 16 00-0149 EA 70 Amperes, 4 Circuit, Main Lug Load Center Panelboard, 3 Wire, 120/240 Volt, Single Phase (Square D QO24L70S).....	422.28	180.65
34 41 16 00-0150 EA 60 Amperes, 120/240 Volt, 2 Pole Common Trip Miniature Circuit Breaker, Plug On Mounting (Square D QO260).....	94.84	24.39
34 41 16 00-0151 EA 15 Amperes, 120/240 Volt, 1 Pole Thermal Magnetic Miniature Circuit Breaker, Plug On Mounting (Square D QOT1515).....	73.73	16.26
34 41 16 00-0152 EA 15 Amperes, 120/240 Volt, 1 Pole Thermal Magnetic Miniature Circuit Breaker, Plug On Mounting (Square D QO120).....	54.82	16.26
34 41 16 00-0153 EA 20 Amperes, 120/240 Volt, 1 Pole Thermal Magnetic Miniature Circuit Breaker, Plug On Mounting (Square D QO120).....	54.82	16.26
34 41 16 00-0154 EA One Output Outdoor-rated CCTV Power Supply Unit, 24/26/28 Volt AC At 4 Amperes Total Supply Current, Fuse Protected Output, UL Listed (Pelco WCS1-4).....	263.30	45.16
34 41 16 00-0155 EA DIN Rail Mount, Switching Power Supply (TKH Security PSR12DC).....	304.35	22.63
34 41 16 00-0156 EA H.264 Multi-codec Video Encoder With Audio, Data And CC's (TKH Security C-60-E-MC).....	2,965.29	22.63
34 41 16 00-0157 EA Expansion Power Module For IE-3000-4TC And IE-3000-8TC (Cisco PWR-IE50W-AC-IEC).....	576.65	11.77
34 41 16 00-0158 EA Traffic Monitoring System (BlueToad Spectra Cellular/Solar Version).....	11,949.90	158.75
34 41 16 00-0159 EA Ubiquiti Rocket M9 Wireless Access Point (ROCKETM9).....	425.01	52.92

**34 70 Transportation Construction and Equipment**<sup>(34)</sup>

**34 71 Roadway Construction**<sup>(34 70)</sup>

**34 71 13 Vehicle Barriers**<sup>(34 71)</sup>

**34 71 13 13 Vehicle Median Barriers**<sup>(34 71 13)</sup>

**34 71 13 13-0001 Concrete Median Barrier**<sup>(34 71 13 13)</sup>

34 71 13 13-0002 LF Median Barrier, Precast, 42" High Single Face.....	75.02	4.07
34 71 13 13-0003 LF Median Barrier, Precast, 32" High, 2' Wide Base, Double Face.....	113.62	4.07
34 71 13 13-0004 LF Median Barrier, Precast, 42" High, 2' Wide Base, Double Face.....	153.98	4.07
34 71 13 13-0005 LF Median Barrier, Cast In Place With Steel Forms.....	51.15	6.33
34 71 13 13-0006 LF Median Barrier, Slipformed Concrete.....	42.44	3.36

**34 71 13 16 Vehicle Crash Barriers**<sup>(34 71 13)</sup>

**34 71 13 16-0001 Impact Barrier, Non-Redirective**<sup>(34 71 13 16)</sup>

**34 71 13 16-0002 Sand Barrel Impact Attenuator**<sup>(34 71 13 16-0001)</sup>

34 71 13 16-0003 EA 200, 400 Or 700 LB Sand Barrel.....	580.09	47.71
Note: Includes containers, inserts, and lid. Excludes sand. Note: Includes containers, inserts, and lid.		





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 71 13 16-0004 EA 1400 LB Sand Barrel ..... Note: Includes containers, inserts, and lid.	543.19	56.01
34 71 13 16-0005 EA 2100 LB Sand Barrel ..... Note: Includes containers, inserts, and lid.	586.93	64.30
<b>34 71 13 16-0006 Sand For Sand Barrel Impact Attenuator (34 71 13 16-0001)</b>		
34 71 13 16-0007 LB Sand for Sand Barrels .....	0.09	
<b>34 71 13 26 Vehicle Guide Rails (34 71 13)</b>		
<b>34 71 13 26-0001 Mobilize Guide Rail Crew (34 71 13 26)</b>		
34 71 13 26-0002 EA Mobilize Guide Rail Crew ..... Note: Excludes equipment mobilization.	1,217.85	
<b>34 71 13 26-0003 Corrugated Beam Guide Rail (34 71 13 26)</b>		
<b>34 71 13 26-0004 Corrugated Beam Guide Railing (34 71 13 26-0003)</b>		
<b>34 71 13 26-0005 Corrugated Beam Guide Railing, Straight Sections (34 71 13 26-0004)</b> Note: Add additional length for back-up sections.		
34 71 13 26-0006 LF Corrugated Beam Guide Railing .....	18.76	2.18
34 71 13 26-0007 LF Corrugated Beam Guide Railing (Rustic).....	20.25	2.18
<b>34 71 13 26-0008 Corrugated Beam Guide Railing, Shop Curved (34 71 13 26-0004)</b> Note: Add additional length for back-up sections.		
34 71 13 26-0009 LF Shop Curved Corrugated Beam Guide Railing .....	24.63	2.18
34 71 13 26-0010 LF Shop Curved Corrugated Beam Guide Railing (Rustic).....	26.70	2.18
34 71 13 26-0011 LF Shop Curved Corrugated Beam Guide Railing End..... Note: Treatment for mall barriers driveways, walkways, special end, etc.	63.81	2.18
34 71 13 26-0012 LF Shop Curved Corrugated Beam Guide Railing (Rustic) End .....	69.66	2.18
Note: Treatment for mall barriers shop curved corrugated beam guide railing end etc.		
<b>34 71 13 26-0013 Corrugated Beam Guide Railing, Manufactured End Sections (34 71 13 26-0003)</b>		
34 71 13 26-0014 EA Corrugated Beam Guide Railing End Section At Anchor Unit.....	139.46	28.71
34 71 13 26-0015 EA Corrugated Beam Guide Railing End Section (Rustic) At Anchor Unit .....	147.46	28.71
34 71 13 26-0016 EA Corrugated Beam Guide Railing Flared Or 180 Degree End Section .....	187.45	28.71
34 71 13 26-0017 EA Corrugated Beam Guide Railing Flared Or 180 Degree End Section (Rustic).....	195.45	28.71
34 71 13 26-0018 EA Corrugated Beam Guide Railing 225 Degree End Section .....	187.45	28.71
34 71 13 26-0019 EA Corrugated Beam Guide Railing 225 Degree End Section (Rustic).....	195.45	28.71
<b>34 71 13 26-0020 Corrugated Beam Guide Rail End Terminal Systems (34 71 13 26-0003)</b> Note: Excludes post. As manufactured and distributed by R. G. Steel Corp.		
34 71 13 26-0021 EA Regent Flared End Terminal Head With Bracket, Type B & C.....	4,831.39	174.45
34 71 13 26-0022 EA Fleat Flared End Terminal Head With Bracket .....	4,031.60	174.45
34 71 13 26-0023 EA SKT 350 Tangent End Terminal Head With Bracket.....	4,831.39	174.45
34 71 13 26-0024 EA 12'-6" Corrugated Beam Pre-drilled #1 Panel.....	709.49	82.24
34 71 13 26-0025 EA Terminal Support System, Type SFT.....	952.75	219.89
34 71 13 26-0026 EA Terminal Support System, Type ET.....	4,774.20	622.33
34 71 13 26-0027 EA Terminal Support System, Type SRT .....	5,193.34	622.33
<b>34 71 13 26-0028 Corrugated Beam Guide Rail Posts (34 71 13 26-0003)</b> Note: Includes mounting hardware.		
34 71 13 26-0029 EA Standard Post For Corrugated Beam Guide Rail..... For Installation Without Soil Plate, Deduct For Installation In Rock, Add	149.00 -5.00 4.21	15.78
34 71 13 26-0030 EA Standard Post For (Rustic) Corrugated Beam Guide Rail .....	156.99	15.78
For Installation Without Soil Plate, Deduct For Installation In Rock, Add	-5.00 4.21	
34 71 13 26-0031 EA Extra Long Post For Corrugated Beam Guide Rail..... For Installation Without Soil Plate, Deduct For Installation In Rock, Add	164.99 -5.00 4.21	15.78
34 71 13 26-0032 EA Extra Long Post (Rustic) for Corrugated Beam Guide Rail..... For Installation Without Soil Plate, Deduct For Installation In Rock, Add	172.99 -5.00 4.21	15.78
34 71 13 26-0033 EA 6BB-1/2" or Mall Barrier Post for Corrugated Beam Guide Rail .....	149.00	15.78
For Installation Without Soil Plate, Deduct For Installation In Rock, Add	-5.00 4.21	
34 71 13 26-0034 EA Post Struts for Corrugated Beam Guide Rail Mall Barrier Post..... For Installation In Rock, Add	212.98 4.21	15.78
<b>34 71 13 26-0035 Heavy Post Blocked Out Corrugated Beam Guide Rail Posts (34 71 13 26-0003)</b> Note: Includes mounting hardware. Excludes triangular mounting brackets.		
34 71 13 26-0036 EA Standard Post For Heavy Post Blocked Out Corrugated Beam Guide .....	149.00	15.78
34 71 13 26-0037 EA Standard Rustic Post For Heavy Post Blocked Out Corrugated Beam Guide .....	156.99	15.78
34 71 13 26-0038 EA Extra Long Post for Heavy Post Blocked Out Corrugated Beam Guide.....	164.99	15.78

<b>34</b>	<b>Transportation</b>
<b>34 70</b>	<b>Transportation Construction and Equipment</b>
<b>34 71</b>	<b>Roadway Construction</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 71 13 26-0039 EA Extra Long Post (Rustic) For heavy post blocked out corrugated beam guide rail.....	172.99	15.78
Note: For heavy post blocked out corrugated beam guide (rustic)		
34 71 13 26-0040 EA Type A Post 1630mm Post .....	145.00	15.78
Note: For heavy post blocked out corrugated beam guide rail		
34 71 13 26-0041 EA Type A Post 1630mm Post (Rustic).....	153.00	15.78
Note: For heavy post blocked out corrugated beam guide rail		
34 71 13 26-0042 EA Type B Post 1460mm .....	137.00	15.78
Note: For heavy post blocked out corrugated beam guide rail		
34 71 13 26-0043 EA Type B Post 1460mm (Rustic) .....	145.00	15.78
Note: For heavy post blocked out corrugated beam guide rail		
34 71 13 26-0044 EA Type C Post 1290mm .....	129.00	15.78
Note: For heavy post blocked out corrugated beam guide rail		
34 71 13 26-0045 EA Type C Post 1290mm (Rustic).....	137.00	15.78
Note: For heavy post blocked out corrugated beam guide rail		
34 71 13 26-0046 EA Breakaway Wood Or Steel Post In Steel Foundation Tube .....	550.17	15.78
34 71 13 26-0047 EA Wood, Metal, Plastic Or Composite Offset Block Or Beam.....	61.02	15.78
Note: For heavy post blocked out corrugated beam guide rail.		
<b>34 71 13 26-0048 Corrugated Beam Guide Rail Accessories</b> (34 71 13 26-0003)		
34 71 13 26-0049 EA Triangular Mounting Brackets (Galvanized Or Rustic) For All Post Types A, B And C .....	123.47	32.63
<b>34 71 13 26-0050 Corrugated Beam Guide Rail Repair for Existing Guide Rail</b> (34 71 13 26-0003)		
Note: Includes associated hardware.		
34 71 13 26-0051 LF Removal And Storage Of Corrugated Beam Guide Railing And Post .....	12.74	
34 71 13 26-0052 EA Install Stored Post For Corrugated Beam Guide Rail .....	43.49	
34 71 13 26-0053 LF Install Stored Corrugated Beam Guide Railing And Post.....	7.39	
<b>34 71 13 26-0054 Corrugated Thrie Beam Guide Railing</b> (34 71 13 26-0003)		
<b>34 71 13 26-0055 Corrugated Thrie Beam Guide Railing. Straight Sections</b> (34 71 13 26-0054)		
Note: Add additional length for back-up sections.		
34 71 13 26-0056 LF Corrugated Thrie Beam Guide Railing .....	44.48	2.74
34 71 13 26-0057 LF Corrugated Thrie Beam Guide Railing (Rustic).....	46.92	2.74
<b>34 71 13 26-0058 Corrugated Thrie Beam Guide Railing. Shop Curved</b> (34 71 13 26-0054)		
Note: Add additional length for back-up sections.		
34 71 13 26-0059 LF Shop Curved Corrugated Thrie Beam Guide Railing .....	54.23	2.74
34 71 13 26-0060 LF Shop Curved Corrugated Thrie Beam Guide Railing (Rustic).....	56.67	2.74
<b>34 71 13 26-0061 Corrugated Thrie Beam Guide Rail Posts</b> (34 71 13 26-0054)		
Note: Includes hardware for mounting.		
34 71 13 26-0062 EA Standard Post For Corrugated Thrie Beam Guide Rail.....	179.60	2.74
For Installation Without Soil Plate, Deduct	-5.00	
For 32" Soil Plate, Add	7.00	
34 71 13 26-0063 EA Standard Post (Rustic) For Corrugated Thrie Beam Guide Rail .....	187.60	2.74
For Installation Without Soil Plate, Deduct	-5.00	
For 32" Soil Plate, Add	7.00	
<b>34 71 13 26-0064 Timber Guide Rails</b> (34 71 13 26)		
Note: Includes drilling and fasteners. Excludes excavation, auguring and concrete.		
<b>34 71 13 26-0065 Timber Guide Rail Posts</b> (34 71 13 26-0064)		
34 71 13 26-0066 EA 6" x 8" Timber Guide Rail Post .....	112.21	10.88
34 71 13 26-0067 EA 6" x 9" Timber Guide Rail Post .....	128.58	10.88
34 71 13 26-0068 EA 10" x 10" Timber Guide Rail Post .....	256.86	10.88
34 71 13 26-0069 EA 10" x 12" Timber Guide Rail Post .....	272.16	10.88
34 71 13 26-0070 EA 12" x 12" Timber Guide Rail Post .....	315.77	10.88
<b>34 71 13 26-0071 Timber Guide Rails</b> (34 71 13 26-0064)		
Note: Excludes posts, spacer blocks and steel backup plates.		
34 71 13 26-0072 LF 4" x 9" Timber Guide Rail.....	13.95	1.31
34 71 13 26-0073 LF 6" x 10" Timber Guide Rail.....	19.84	1.31
34 71 13 26-0074 LF 6" x 12" Timber Guide Rail.....	23.29	1.31
<b>34 71 13 26-0075 Spacer Blocks For Timber Guide Rails</b> (34 71 13 26-0064)		
34 71 13 26-0076 EA 4" x 9" Spacer Block For Timber Guide Rails .....	18.14	1.74
34 71 13 26-0077 EA 6" x 8" Spacer Block For Timber Guide Rails .....	20.97	1.74
34 71 13 26-0078 EA 8" x 8" Spacer Block For Timber Guide Rails .....	24.57	1.74
<b>34 71 13 26-0079 Weathering Steel Backup Plates For Timber Guide Rails</b> (34 71 13 26-0064)		
34 71 13 26-0080 LF 6" High, Weathering Steel Backup Plate For Timber Guide Rails.....	25.78	1.09



<b>Transportation</b>	<b>34</b>	<b>34</b>
<b>Transportation Construction and Equipment</b>	<b>34 70</b>	
<b>Roadway Construction</b>	<b>34 71</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>34 71 13 26-0081</b> Weathering Steel Splice And Bearing Plates For Timber Guide Rails <small>(34 71 13 26-0064)</small>		
34 71 13 26-0082 EA Weathering Steel Splice Plate For Timber Guide Rails .....	176.27	15.23
34 71 13 26-0083 EA Weathering Steel Bearing Termination Plate For Timber Guide Rails .....	110.04	10.88
<b>34 71 13 26-0084</b> Cable Guide Rail <small>(34 71 13 26)</small>		
<b>34 71 13 26-0085</b> Cable Guide Rail <small>(34 71 13 26-0084)</small>		
34 71 13 26-0086 LF Cable (Each Cable) .....	9.96	2.34
Note: Includes tensioning. Excludes splices.		
34 71 13 26-0087 EA Cable Splice With Wedges .....	261.69	16.31
<b>34 71 13 26-0088</b> Cable Guide Rail Posts <small>(34 71 13 26-0084)</small>		
Note: Includes hardware for cable mounting.		
34 71 13 26-0089 EA Standard Post for Cable Guide Rail .....	190.09	52.58
For Installation Without Soil Plate, Deduct		
-5.00		
For Installation In Rock, Add		
14.02		
34 71 13 26-0090 EA Standard Post (Rustic) for Cable Guide Rail .....	198.09	52.58
For Installation Without Soil Plate, Deduct		
-5.00		
For Installation In Rock, Add		
14.02		
34 71 13 26-0091 EA Extra Long Post for Cable Guide Rail .....	198.09	52.58
For Installation Without Soil Plate, Deduct		
-5.00		
For Installation In Rock, Add		
14.02		
34 71 13 26-0092 EA Extra Long Post (Rustic) for Cable Guide Rail .....	206.08	52.58
For Installation Without Soil Plate, Deduct		
-5.00		
For Installation In Rock, Add		
14.02		
34 71 13 26-0093 EA Slip Impact Post Top for Anchor Unit .....	124.02	21.03
34 71 13 26-0094 EA Slip Impact Post Base and Keeper Plate .....	323.97	21.03
Note: For anchor unit.		
<b>34 71 13 26-0095</b> Cable Guide Rail Accessories For Breakaway Anchor Angle Systems <small>(34 71 13 26-0084)</small>		
34 71 13 26-0096 EA Turnbuckle Cable End Assembly For Use With Breakaway Anchors .....	562.48	217.91
34 71 13 26-0097 EA Turnbuckle Cable End Assembly .....	174.49	10.90
34 71 13 26-0098 EA Spring Cable End Assembly (Compensating Device) For Use With Breakaway Anchors .....	567.07	5.42
34 71 13 26-0099 EA Spring Cable End Assembly (Compensating Device) Without Turnbuckle .....	583.07	5.42
34 71 13 26-0100 EA Breakaway Anchor Angle .....	222.48	10.90
34 71 13 26-0101 EA Standard End Post Cap Assembly .....	103.19	5.42
34 71 13 26-0102 EA Driveway End Post Cap Assembly .....	87.20	5.42
34 71 13 26-0103 EA End Post Ground Support Plates .....	47.21	5.42
34 71 13 26-0104 EA 11" Stud Bolt, Cable Guide Rail .....	41.21	5.42
34 71 13 26-0105 EA 18" Stud Bolt, Cable Guide Rail .....	49.21	5.42
34 71 13 26-0106 EA 25" Stud Bolt, Cable Guide Rail .....	57.21	5.42
34 71 13 26-0107 EA 1-1/4" Diameter Turnbuckle, Cable Guide Rail .....	494.40	10.90
34 71 13 26-0108 EA 1-1/2" Diameter Turnbuckle, Cable Guide Rail .....	526.40	10.90
34 71 13 26-0109 EA 5/8" Diameter Turnbuckle With 12" Take-up And Shackle Ends, Cable Guide Rail .....	350.44	10.90
34 71 13 26-0110 EA 5/8" Eye Bolt 18" Long, Cable Guide Rail .....	215.17	5.42
34 71 13 26-0111 EA 3/4" Eye Bolt 8'-6" Long, Cable Guide Rail .....	222.48	10.90
34 71 13 26-0112 EA 1-5/8" Anchor Rod 10' Long With Plate, Cable Guide Rail .....	237.69	16.31
<b>34 71 13 26-0113</b> Cable Guide Rail Accessories For Slip Impact Post Systems <small>(34 71 13 26-0084)</small>		
34 71 13 26-0114 EA Turnbuckle Cable End Assembly .....	399.32	17.56
Note: For use with slip impact post.		
34 71 13 26-0115 EA Spring Cable End Assembly (Compensating Device) .....	783.22	17.56
Note: For use with slip impact post.		
34 71 13 26-0116 EA Anchor Angle For Slip Impact Post System .....	231.37	17.56
34 71 13 26-0117 EA Cable End Assembly Rod .....	191.38	17.56
Note: Includes cable end, threaded rod and keeper to anchor angle.		
<b>34 71 13 26-0118</b> Cable Guide Rail Repair For Existing Guide Rail <small>(34 71 13 26-0084)</small>		
Note: Includes associated hardware.		
34 71 13 26-0119 LF Retention Existing Cable (Each Cable) .....	1.46	
34 71 13 26-0120 LF Removal And Storage Of Cable Guide Railing .....	8.75	
34 71 13 26-0121 EA Install Stored Post For Cable Guide Railing .....	70.12	
34 71 13 26-0122 LF Install Stored Cable, (Each Cable) .....	3.87	
Note: Includes retensioning. Excludes splices.		
<b>34 71 13 26-0123</b> 6" x 6" Box Beam Guide Rail <small>(34 71 13 26)</small>		
<b>34 71 13 26-0124</b> Box Beam Guide Rail, 6" x 6" <small>(34 71 13 26-0123)</small>		
<b>34 71 13 26-0125</b> Straight Sections, Box Beam Guide Rail <small>(34 71 13 26-0124)</small>		
34 71 13 26-0126 LF Box Beam Guide Railing 6" x 6" x 3/16" Galvanized .....	53.62	2.74
Note: Excludes splices.		
For Flush Mounting Directly To Structure, Add		1.83

<b>34</b>	<b>Transportation</b>
<b>34 70</b>	<b>Transportation Construction and Equipment</b>
<b>34 71</b>	<b>Roadway Construction</b>



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 71 13 26-0127 LF Box Beam Guide Railing 6" x 6" x 3/16" (Rustic) ..... Note: Excludes splices. <i>For Flush Mounting Directly To Structure, Add</i>	60.94  1.83	2.74
<b>34 71 13 26-0128 Shop Curved, Box Beam Guide Rail</b> (34 71 13 26-0124)		
34 71 13 26-0129 LF Shop Curved Box Beam Guide Railing 6" x 6" x 3/16" Galvanized..... Note: Excludes splices. <i>For Shop Curved At &lt;20' Radius, Add</i> <i>For Flush Mounting Directly To Structure, Add</i>	81.66  2.44 1.83	2.74
34 71 13 26-0130 LF Shop Curved Box Beam Guide Railing 6" x 6" x 3/16" (Rustic) ..... Note: Excludes splices. <i>For Shop Curved At &lt;20' Radius, Add</i> <i>For Flush Mounting Directly To Structure, Add</i>	88.97  2.44 1.83	2.74
<b>34 71 13 26-0131 Box Beam Guide Rail End Treatment Sections</b> (34 71 13 26-0123) Note: Includes rail, end cover plate and hardware only. Excludes posts and splice.		
34 71 13 26-0132 EA Box Beam End Piece Guide Railing Section..... Note: Galvanized excludes splices.	843.28	32.63
34 71 13 26-0133 EA Box Beam End Piece Guide Railing Section (Rustic) ..... Note: Excludes splices.	931.26	32.63
34 71 13 26-0134 EA Box Beam Guide Railing End Treatment Section At Driveway, Galvanized ..... Note: Excludes splices.	795.29	32.63
34 71 13 26-0135 EA Box Beam Guide Railing End Treatment Section At Driveway, (Rustic)..... Note: Excludes splices.	827.28	32.63
<b>34 71 13 26-0136 Splices For Box Beam Guide Rail</b> (34 71 13 26-0123)		
34 71 13 26-0137 EA Splice For Box Beam Guide Rail .....	216.82	48.42
34 71 13 26-0138 EA Splice For Box Beam Guide Rail (Rustic).....	272.80	48.42
<b>34 71 13 26-0139 Box Beam Guide Rail Posts</b> (34 71 13 26-0123) Note: Includes hardware for box beam mounting.		
34 71 13 26-0140 EA Standard Post For Box Beam Guide Rail..... <i>For Installation Without Soil Plate, Deduct</i> <i>For Installation In Rock, Add</i>	198.09 -5.00 14.02	52.58
34 71 13 26-0141 EA Standard Post (Rustic) for Box Beam Guide Railing..... <i>For Installation Without Soil Plate, Deduct</i> <i>For Installation In Rock, Add</i>	206.08 -5.00 14.02	52.58
34 71 13 26-0142 EA Extra Long Post For Box Beam Guide Rail..... <i>For Installation Without Soil Plate, Deduct</i> <i>For Installation In Rock, Add</i>	214.08 -5.00 14.02	52.58
34 71 13 26-0143 EA Extra Long Post (Rustic) For Box Beam Guide Rail ..... <i>For Installation Without Soil Plate, Deduct</i> <i>For Installation In Rock, Add</i>	222.08 -5.00 14.02	52.58
34 71 13 26-0144 EA Type I End Assembly Post..... <i>For Installation Without Soil Plate, Deduct</i> <i>For Installation In Rock, Add</i>	190.09 -5.00 14.02	52.58
34 71 13 26-0145 EA Type I End Assembly Post (Rustic) ..... <i>For Installation Without Soil Plate, Deduct</i> <i>For Installation In Rock, Add</i>	198.09 -5.00 14.02	52.58
34 71 13 26-0146 EA Type II End Assembly Post..... <i>For Installation Without Soil Plate, Deduct</i> <i>For Installation In Rock, Add</i>	182.09 -5.00 14.02	52.58
34 71 13 26-0147 EA Type II End Assembly Post (Rustic)..... <i>For Installation Without Soil Plate, Deduct</i> <i>For Installation In Rock, Add</i>	190.09 -5.00 14.02	52.58
<b>34 71 13 26-0148 Box Beam Guide Rail Accessories</b> (34 71 13 26-0123)		
34 71 13 26-0149 EA Box Beam Guide Rail End Cover Plate.....	109.02	9.79
34 71 13 26-0150 EA Box Beam Guide Rail End Cover Plate (Rustic).....	117.02	9.79
<b>34 71 13 26-0151 Box Beam Guide Railing Repair, And Resetting</b> (34 71 13 26-0123) Note: For existing guide rail.		
34 71 13 26-0152 LF Removal And Storage Of Box Beam Guide Rail And Post .....	4.30	
34 71 13 26-0153 LF Reset Box Beam Guide Rail .....	12.54	
<b>34 71 13 26-0154 6" x 8" Box Beam Median Barrier</b> (34 71 13 26)		
<b>34 71 13 26-0155 Box Beam Median Barrier, 6" x 8"</b> (34 71 13 26-0154)		
<b>34 71 13 26-0156 Straight Sections, Box Beam Median Barrier</b> (34 71 13 26-0155)		
34 71 13 26-0157 LF Box Beam Median Barrier Galvanized Excludes Splices..... <i>For Flush Mounting Directly To Structure, Add</i>	89.84 1.83	9.79
34 71 13 26-0158 LF Box Beam Median Barrier (Rustic) Excludes Splices..... <i>For Flush Mounting Directly To Structure, Add</i>	97.15 1.83	9.79



<b>Transportation</b>	<b>34</b>	<b>34</b>
<b>Transportation Construction and Equipment</b>	<b>34 70</b>	
<b>Roadway Construction</b>	<b>34 71</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>34 71 13 26-0159 Shop Curved, Box Beam Median Barrier</b> <small>(34 71 13 26-0155)</small>		
34 71 13 26-0160 LF Shop Curved Box Beam Median Barrier Galvanized ..... Note: Excludes splices. <i>For Shop Curved At &lt;20' Radius, Add</i> ..... <i>For Flush Mounting Directly To Structure, Add</i> .....	109.06  2.44 1.83	9.79
34 71 13 26-0161 LF Shop Curved Box Beam Median Barrier Rustic ..... Note: Excludes splices. <i>For Shop Curved At &lt;20' Radius, Add</i> ..... <i>For Flush Mounting Directly To Structure, Add</i> .....	133.06  2.44 1.83	9.79
<b>34 71 13 26-0162 Box Beam Median Barrier End Treatment Sections</b> <small>(34 71 13 26-0154)</small>		
Note: Includes rail, end cover plate and hardware. Excludes posts.		
34 71 13 26-0163 EA Box Beam Median Barrier Type A End Treatment Section, Galvanized ..... Note: Excludes splices and post.	2,754.78	32.63
34 71 13 26-0164 EA Box Beam Median Barrier Type A End Treatment Section (Rustic)..... Note: Excludes splices and post.	2,818.76	32.63
34 71 13 26-0165 EA Box Beam Median Barrier Type B End Treatment Section, Galvanized ..... Note: Excludes splices and post.	2,754.78	32.63
34 71 13 26-0166 EA Box Beam Median Barrier Type B End Treatment Section (Rustic)..... Note: Excludes splices and post.	2,818.76	32.63
<b>34 71 13 26-0167 Splices For Box Beam Median Barrier</b> <small>(34 71 13 26-0154)</small>		
34 71 13 26-0168 EA Splice for Box Beam Median Barrier .....	210.75	26.10
34 71 13 26-0169 EA Splice for Box Beam Median Barrier (Rustic) .....	330.72	26.10
<b>34 71 13 26-0170 Box Beam Median Barrier Posts Driven With Soil Plate</b> <small>(34 71 13 26-0154)</small>		
Note: Includes all associated hardware.		
34 71 13 26-0171 EA Standard Post for Box Beam Median Barrier ..... <i>For Installation Without Soil Plate, Deduct</i> ..... <i>For Installation In Rock, Add</i> .....	198.09 -5.00 14.02	52.58
34 71 13 26-0172 EA Standard Post (Rustic) for Box Beam Median Barrier..... <i>For Installation Without Soil Plate, Deduct</i> ..... <i>For Installation In Rock, Add</i> .....	206.08 -5.00 14.02	52.58
34 71 13 26-0173 EA Extra Long Post for Box Beam Median Barrier ..... <i>For Installation Without Soil Plate, Deduct</i> ..... <i>For Installation In Rock, Add</i> .....	214.08 -5.00 14.02	52.58
34 71 13 26-0174 EA Extra Long Post (Rustic) for Box Beam Median Barrier..... <i>For Installation Without Soil Plate, Deduct</i> ..... <i>For Installation In Rock, Add</i> .....	222.08 -5.00 14.02	52.58
34 71 13 26-0175 EA Type B End Treatment or Rub Back Anchor Post for Box Beam..... Note: For median barrier. <i>For Installation Without Soil Plate, Deduct</i> ..... <i>For Installation In Rock, Add</i> .....	182.09  -5.00 14.02	52.58
34 71 13 26-0176 EA Type B End Treatment or Rub Back Anchor Post (Rustic) ..... Note: For box beam median barrier. <i>For Installation Without Soil Plate, Deduct</i> ..... <i>For Installation In Rock, Add</i> .....	182.09  -5.00 14.02	52.58
34 71 13 26-0177 EA Type I End Assembly Post for Box Beam Median Barrier to Concrete ..... Note: For median barrier transition. <i>For Installation Without Soil Plate, Deduct</i> ..... <i>For Installation In Rock, Add</i> .....	214.08  -5.00 14.02	52.58
34 71 13 26-0178 EA Type I End Assembly Post (Rustic) for Box Beam Median Barrier ..... Note: For Concrete median barrier transition. <i>For Installation Without Soil Plate, Deduct</i> ..... <i>For Installation In Rock, Add</i> .....	222.08  -5.00 14.02	52.58
<b>34 71 13 26-0179 Box Beam Median Barrier Accessories</b> <small>(34 71 13 26-0154)</small>		
34 71 13 26-0180 EA Box Beam Median Barrier End Cover Plate.....	134.77	22.96
34 71 13 26-0181 EA Box Beam Median Barrier End Cover Plate (Rustic) .....	142.77	22.96
<b>34 71 13 26-0182 Box Beam Median Barrier Repair, And Resetting</b> <small>(34 71 13 26-0154)</small>		
Note: For existing guide rail.		
34 71 13 26-0183 LF Removal And Storage Of Box Beam Median Barrier and Posts .....	4.45	
34 71 13 26-0184 LF Reset Box Beam Median Barrier .....	13.13	
<b>34 71 13 26-0185 Universal Guide Rail Items</b> <small>(34 71 13 26)</small>		
<b>34 71 13 26-0186 Guide Rail Concrete Anchor Units For All Types Of Guide Rail</b> <small>(34 71 13 26-0185)</small>		
Note: For cast in place or precast. Includes excavation, formwork, concrete, reinforcement, anchor rods and/or imbedded plate. Excludes anchor angle. For anchor angles and other terminal connections, use accessories section for respective guide rail type.		
34 71 13 26-0187 CY Guide Rail Concrete Anchor Unit..... <i>For Each Additional Set Of Anchor Rods, Add</i> .....	769.38 38.00	
34 71 13 26-0188 EA Reset Existing Anchorage Unit for All Types of Guide Rail..... Note: Includes excavation and backfill.	498.84	
34 71 13 26-0189 EA Removal Of Guide Rail Concrete Anchor Unit.....	580.03	

<b>34</b>	<b>Transportation</b>
<b>34 70</b>	<b>Transportation Construction and Equipment</b>
<b>34 71</b>	<b>Roadway Construction</b>



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 71 13 26-0190		<b>Guide Rail Repair For All Types Of Existing Guide Rail</b> <small>(34 71 13 26-0185)</small> Note: Includes associated hardware.		
34 71 13 26-0191	EA	Straighten And Reset Driven Post For Guide Rail .....	70.12	
34 71 13 26-0192	EA	Straighten And Reset Post Mounted On Concrete For Guide Rail .....	81.64	
		Note: With base plate for guide rail. Includes new anchor bolts.		
34 71 13 26-0193		<b>Additional Wood and Steel Posts</b> <small>(34 71 13 26-0185)</small>		
34 71 13 26-0194	LF	4" x 6" Wood Post.....	61.41	17.57
		<i>For Installation In Rock, Add</i> .....	4.68	
34 71 13 26-0195	LF	6" x 8" Wood Post.....	73.40	17.57
		<i>For Installation In Rock, Add</i> .....	4.68	
34 71 13 26-0196	LF	6" x 7/8" Galvanized Steel Post .....	46.08	17.57
		<i>For Installation In Rock, Add</i> .....	4.68	
34 71 13 26-0197	EA	Base Plate With Anchor Bolts For Mounting Post On Concrete.....	427.18	17.56
34 71 13 26-0198		<b>Accessories For All Types of Guide Rail</b> <small>(34 71 13 26-0185)</small>		
34 71 13 26-0199	EA	Reflector For Guard Rail.....	51.64	
34 71 13 26-0200		<b>Resilient Guard Fence And Light Shield</b> <small>(34 71 13 26)</small>		
34 71 13 26-0201	LF	Resilient Guard Fence And Light Shield, Up To 6' High .....	89.62	6.64
34 71 13 26-0202		<b>Individual Concrete Guard Rail Posts</b> <small>(34 71 13 26)</small>		
34 71 13 26-0203	EA	6'-5" Concrete Guard Rail Posts, Round.....	96.44	6.64
34 71 13 26-0204	EA	6'-5" Concrete Posts, Square.....	107.76	7.47
34 71 13 26-0205	EA	6'-5" Concrete Posts, Triangular .....	104.74	7.47
34 71 13 26-0206		<b>Guide Rail Transitions</b> <small>(34 71 13 26)</small>		
34 71 13 26-0207		<b>Transition Box Beam Guide Rail To Corrugated Beam</b> <small>(34 71 13 26-0206)</small>		
34 71 13 26-0208	EA	Box Beam To Corrugated Beam Rail Bolted Section.....	770.42	
34 71 13 26-0209	EA	Box Beam To Corrugated Beam Rail Bolted Plate .....	450.51	
		Note: For making cable connections.		
34 71 13 26-0210		<b>Transition Box Beam Median Barrier To Corrugated Beam Median</b> <small>(34 71 13 26-0206)</small>		
34 71 13 26-0211	EA	Box Beam Median Barrier To Corrugated Beam Bolted Section .....	786.42	
34 71 13 26-0212	EA	Box Beam Median Barrier To Corrugated Beam Harness Plate .....	450.51	
		Note: For making cable connections.		
34 71 13 26-0213		<b>Transition Box Beam Guide Rail To Cable Guide Rail</b> <small>(34 71 13 26-0206)</small>		
34 71 13 26-0214	EA	Box Beam to Cable Guide Rail U-bolt And Plate .....	109.04	17.40
34 71 13 26-0215		<b>Transition Box Beam Median Barrier To Concrete Median Barrier</b> <small>(34 71 13 26-0206)</small>		
34 71 13 26-0216	EA	Box Beam Median Barrier To Concrete Barrier End Connection .....	1,090.34	
34 71 13 26-0217		<b>Transition Thrie Beam To Concrete Median Barrier</b> <small>(34 71 13 26-0206)</small>		
34 71 13 26-0218	EA	Thrie Beam Terminal Connector At Concrete Median Barrier.....	690.45	
34 71 13 26-0219	EA	Thrie Beam Transition Section To Corrugated Beam Guide Rail.....	890.39	
<b>34 71 16</b>		<b>Impact Attenuating Devices</b> <small>(34 71)</small>		
34 71 16 00-0001		<b>Guard Rail Energy Absorbing Terminals</b> <small>(34 71 16)</small> Note: Crushable foam cartridges surrounded by steel guardrail for narrow hazards. QuadGuard System as manufactured by Energy Absorption Systems, Inc.		
34 71 16 00-0002		<b>24" Wide Guard Rail Energy Absorbing Terminals</b> <small>(34 71 16 00-0001)</small>		
34 71 16 00-0003	EA	24" Wide, 3 Cartridge Bays, Energy Absorbing Crash Attenuator .....	35,475.21	3,451.20
34 71 16 00-0004	EA	24" Wide, 5 Cartridge, Bays Energy Absorbing Crash Attenuator .....	49,318.41	4,601.61
34 71 16 00-0005	EA	24" Wide, 7 Cartridge, Bays Energy Absorbing Crash Attenuator .....	67,370.98	6,039.61
34 71 16 00-0006	EA	24" Wide, 9 Cartridge, Bays Energy Absorbing Crash Attenuator .....	74,684.27	7,477.62
34 71 16 00-0007		<b>30" Wide Guard Rail Energy Absorbing Terminals</b> <small>(34 71 16 00-0001)</small>		
34 71 16 00-0008	EA	30" Wide, 3 Cartridge Bays, Energy Absorbing Crash Attenuator .....	38,156.52	3,882.61
34 71 16 00-0009	EA	30" Wide, 5 Cartridge Bays, Energy Absorbing Crash Attenuator .....	53,212.81	5,176.81
34 71 16 00-0010	EA	30" Wide, 7 Cartridge Bays, Energy Absorbing Crash Attenuator .....	73,084.75	6,902.42
34 71 16 00-0011	EA	30" Wide, 9 Cartridge Bays, Energy Absorbing Crash Attenuator .....	83,585.90	8,340.42



<b>Transportation</b>	<b>34</b>	<b>34</b>
<b>Transportation Construction and Equipment</b>	<b>34 70</b>	
<b>Roadway Construction</b>	<b>34 71</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>34 71 16 00-0012</b> <b>36" Wide Guard Rail Energy Absorbing Terminals</b> <small>(34 71 16 00-0001)</small>		
34 71 16 00-0013    EA    36" Wide, 3 Cartridge Bays, Energy Absorbing Crash Attenuator .....	40,870.01	4,314.01
34 71 16 00-0014    EA    36" Wide, 5 Cartridge Bays, Energy Absorbing Crash Attenuator .....	57,138.69	5,752.01
34 71 16 00-0015    EA    36" Wide, 7 Cartridge Bays, Energy Absorbing Crash Attenuator .....	78,192.76	7,621.42
34 71 16 00-0016    EA    36" Wide, 9 Cartridge Bays, Energy Absorbing Crash Attenuator .....	92,454.42	9,203.22
<b>34 71 16 00-0017</b> <b>69" Wide Guard Rail Energy Absorbing Terminals</b> <small>(34 71 16 00-0001)</small>		
34 71 16 00-0018    EA    69" Wide, 3 Cartridge Bays, Energy Absorbing Crash Attenuator .....	44,237.37	4,745.41
34 71 16 00-0019    EA    69" Wide, 5 Cartridge Bays, Energy Absorbing Crash Attenuator .....	61,319.45	6,327.22
34 71 16 00-0020    EA    69" Wide, 7 Cartridge Bays, Energy Absorbing Crash Attenuator .....	84,318.86	8,340.42
34 71 16 00-0021    EA    69" Wide, 9 Cartridge Bays, Energy Absorbing Crash Attenuator .....	99,218.39	10,066.02
<b>34 71 16 00-0022</b> <b>90" Wide Guard Rail Energy Absorbing Terminals</b> <small>(34 71 16 00-0001)</small>		
34 71 16 00-0023    EA    90" Wide, 3 Cartridge Bays, Energy Absorbing Crash Attenuator .....	47,699.65	5,176.81
34 71 16 00-0024    EA    90" Wide, 5 Cartridge Bays, Energy Absorbing Crash Attenuator .....	65,611.70	6,902.42
34 71 16 00-0025    EA    90" Wide, 7 Cartridge Bays, Energy Absorbing Crash Attenuator .....	91,243.43	9,203.22
34 71 16 00-0026    EA    90" Wide, 9 Cartridge Bays, Energy Absorbing Crash Attenuator .....	106,177.89	10,928.83
<b>34 71 19</b> <b>Vehicle Delineators</b> <small>(34 71)</small>		
<b>34 71 19 16</b> <b>Flexible Vehicle Delineators</b> <small>(34 71 19)</small>		
34 71 19 16-0001    EA    2' High, 3" Diameter Flexible Fixed Stanchion Delineator .....	91.81	8.29
34 71 19 16-0002    EA    3' High, 3" Diameter Flexible Fixed Stanchion Delineator .....	93.15	8.29
34 71 19 16-0003    EA    3-1/2' High, 3" Diameter Flexible Fixed Stanchion Delineator .....	94.50	8.29
34 71 19 16-0004    EA    4' High, 3" Diameter Flexible Fixed Stanchion Delineator .....	95.84	8.29
<b>34 80</b> <b>Bridges</b> <small>(34)</small>		
<b>34 82</b> <b>Bridge Specialties</b> <small>(34 80)</small>		
<b>34 82 23</b> <b>Bridge Railing</b> <small>(34 82)</small>		
<b>34 82 23 00-0001</b> <b>Metal Bridge Railing</b> <small>(34 82 23)</small>		
Note: Includes hardware for bridge rail mounting.		
34 82 23 00-0002    LF    2" x 2" x 1/8" Bridge Railing .....	39.82	3.69
34 82 23 00-0003    LF    3" x 3" x 5/16" Bridge Railing .....	68.55	5.75
34 82 23 00-0004    LF    5" x 3" x 1/4" Bridge Railing .....	88.00	8.43
34 82 23 00-0005    LF    6" x 6" x 3/16" Bridge Railing .....	116.61	10.62
34 82 23 00-0006    LF    5" Outside Diameter x 1/4" Bridge Railing .....	93.84	8.19
<b>34 82 23 00-0007</b> <b>Bridge Post</b> <small>(34 82 23)</small>		
Note: Includes hardware for bridge post mounting.		
34 82 23 00-0008    EA    6" x 9" x 5'-6" Bridge Post .....	158.37	46.28
34 82 23 00-0009    EA    6" x 9" x 7' Bridge Post .....	196.47	49.17
34 82 23 00-0010    EA    Two Rail With Base Plate Bridge Post Assembly .....	450.90	86.77
34 82 23 00-0011    EA    Two Rail With Curb Bridge Post Assembly .....	552.80	92.56
34 82 23 00-0012    EA    Two Rail (Curbless) Bridge Post Assembly .....	504.93	92.56
34 82 23 00-0013    EA    Two Rail With Optional Handrail Bridge Post Assembly .....	606.83	92.56
34 82 23 00-0014    EA    Three Rail With Base Plate Bridge Post Assembly .....	467.57	92.56
34 82 23 00-0015    EA    Three Rail With Curb Bridge Post Assembly .....	635.05	95.45
34 82 23 00-0016    EA    Three Rail (Curbless) Bridge Post Assembly .....	622.43	95.45
34 82 23 00-0017    EA    Three Rail With Optional Handrail Bridge Post Assembly .....	765.72	95.45
34 82 23 00-0018    EA    Four Rail (Curbless) With Base Plate Bridge Post .....	519.64	98.34
34 82 23 00-0019    EA    Four Rail With Base Plate (Sidewalk Type) Bridge Post .....	519.77	98.34
34 82 23 00-0020    EA    Four Rail With Curb Bridge Post Assembly .....	775.87	98.34
34 82 23 00-0021    EA    Four Rail (Curbless) Bridge Post Assembly .....	796.67	98.34
34 82 23 00-0022    EA    Five Rail With Base Plate (Curbless) Bridge Post Assembly .....	577.71	104.13
<b>34 82 23 00-0023</b> <b>Bridge Railing Splices</b> <small>(34 82 23)</small>		
Note: Includes hardware for splices.		
34 82 23 00-0024    EA    5" Outside Diameter Bridge Railing Splice .....	237.70	22.15
34 82 23 00-0025    EA    5" x 3" Bridge Railing Splice .....	141.48	19.38
34 82 23 00-0026    EA    3" x 3" Bridge Railing Splice .....	87.09	13.84
34 82 23 00-0027    EA    2" x 2" Bridge Railing Splice .....	44.41	9.96
34 82 23 00-0028    EA    5" x 5" x 3' Expansion Splice Tube .....	180.56	21.41
34 82 23 00-0029    EA    4" x 2" x 3' Expansion Splice Bar .....	192.26	21.41
34 82 23 00-0030    EA    5" x 5" x 2' Fixed Splice Tube .....	165.18	21.41
34 82 23 00-0031    EA    4" x 2" x 2' Fixed Splice Bar .....	169.41	21.41
34 82 23 00-0032    EA    6" x 6" x 3/16" Box x 9' Flare Tube .....	243.82	28.92
<b>34 82 23 00-0033</b> <b>Transition For Bridge Railing</b> <small>(34 82 23)</small>		
Note: Includes hardware for transition for bridge railing.		
34 82 23 00-0034    EA    Two Rail Box Beam To Bridge Transition With Splices .....	995.52	115.70

**34 Transportation****34 80 Bridges****34 82 Bridge Specialties**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 82 23 00-0035 EA Three Rail Box Beam To Bridge Transition With Splices.....	1,059.27	121.48
34 82 23 00-0036 EA Four Rail Box Beam To Bridge Transition With Splices.....	1,233.83	127.26
34 82 23 00-0037 EA 6" x 6" x 16-1/2' Bottom Transition Tube.....	421.42	57.85
34 82 23 00-0038 EA 6" x 6" x 22' Bottom Transition Tube.....	518.79	63.64
34 82 23 00-0039 EA 8" x 6" x 16-1/2' Bottom Transition Tube.....	490.28	57.85
34 82 23 00-0040 EA 6" x 6" x 16-1/2' Top Transition Tube.....	431.77	57.85
34 82 23 00-0041 EA 6" x 6" x 21-1/2' Top Transition Tube.....	510.24	63.64
34 82 23 00-0042 EA 8" x 6" x 16-1/2' Top Transition Tube.....	503.12	57.85
34 82 23 00-0043 EA 6" x 6" x 16-1/2' Middle Transition Tube.....	407.23	57.85
34 82 23 00-0044 EA 8" x 6" x 16-1/2' Middle Transition Tube.....	496.70	57.85
<b>34 82 23 00-0045 Anchor Plates And End Caps For Bridge Railing <small>(34 82 23)</small></b>		
34 82 23 00-0046 EA 14" x 14" Bridge Railing Anchor Plate.....	44.44	5.54
34 82 23 00-0047 EA 18" x 22" Deck Anchor Plate.....	267.52	27.68
34 82 23 00-0048 EA 2" x 2" Bridge Railing End Cap.....	35.86	2.77
34 82 23 00-0049 EA 3" x 3" Bridge Railing End Cap.....	22.57	2.77
34 82 23 00-0050 EA 5" O.D Bridge Railing End Cap.....	22.41	2.77
<b>34 82 26 Bridge Slope Protection <small>(34 82)</small></b>		
<b>34 82 26 00-0001 Bridge Slope Protection <small>(34 82 26)</small></b>		
Note: Solid concrete masonry unit installed in sand bedding.		
34 82 26 00-0002 SF 8" x 16" x 4" Solid Concrete Block, Bridge Slope Protection.....	14.20	5.24
34 82 26 00-0003 SF 8" x 16" x 6" Solid Concrete Block, Bridge Slope Protection.....	17.10	5.77
34 82 26 00-0004 SF 8" x 16" x 8" Solid Concrete Block, Bridge Slope Protection.....	18.99	6.13

**END OF SECTION 34**





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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## 50 Custom Standards And Assemblies

### 50 89 CALTRANS Custom Standards And Assemblies <sup>(50)</sup>

Note: Use as directed by owner only.

#### 50 89 80 CALTRANS Construction Performance Requirements <sup>(50 89)</sup>

Note: Refer to [www.dot.ca.gov](http://www.dot.ca.gov) for CALTRANS Standard Plans and Specifications

##### 50 89 81 CALTRANS DIVISION I - GENERAL PROVISIONS <sup>(50 89 80)</sup>

###### 50 89 81 01 PAYMENT <sup>(50 89 81)</sup>

Note: Includes equipment mobilization, hauling over 25 miles, overtime, specialty labor, speciality equipment, reimbursables and permits per CALTRANS Standard. See CSI section 01 22 16 00-0001 for Reimbursable fees and permits, 01 22 20 00-0000 for specialty labor, 01 22 23 00-0000 for speciality equipment, 01 71 13 00-0000 for equipment mobilization, 01 74 19 00-0055 for hauling >25 miles.

50 89 81 01-0001	EA	CALTRANS 999990 MOBILIZATION .....	0.00
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Note: (One Time Per Job) See CSI section 01 71 13 00-0000 for mobilization of equipment.

##### 50 89 82 CALTRANS DIVISION II - GENERAL CONSTRUCTION <sup>(50 89 80)</sup>

###### 50 89 82 12 TEMPORARY TRAFFIC CONTROL <sup>(50 89 82)</sup>

Note: Includes flagging, apparel, temporary traffic control devices, and equipment for flaggers, must comply with the latest California MUTCD per CALTRANS Standard.

50 89 82 12-0001	EA	CALTRANS 120110 FLASHING ARROW SIGN .....	1,459.99
50 89 82 12-0002	EA	CALTRANS 120116 TYPE II BARRICADE .....	43.92
50 89 82 12-0003	EA	CALTRANS 120119 TRAFFIC CONE .....	12.24
50 89 82 12-0004	EA	CALTRANS 120120 TYPE III BARRICADE .....	85.49
50 89 82 12-0005	EA	CALTRANS 120140 BARRICADE (LEFT IN PLACE) .....	77.41
50 89 82 12-0006	SF	CALTRANS 120149 TEMPORARY PAVEMENT MARKING (PAINT) .....	3.04
50 89 82 12-0007	LF	CALTRANS 120151 TEMPORARY TRAFFIC STRIPE (TAPE) .....	5.14
50 89 82 12-0008	SF	CALTRANS 120152 TEMPORARY PAVEMENT MARKING (TAPE) .....	12.87
50 89 82 12-0009	LF	CALTRANS 120159 TEMPORARY TRAFFIC STRIPE (PAINT) .....	0.67
50 89 82 12-0010	EA	CALTRANS 120165 CHANNELIZER (SURFACE MOUNTED) .....	30.08
50 89 82 12-0011	EA	CALTRANS 120166 CHANNELIZER (SURFACE MOUNTED) (LEFT IN PLACE) .....	68.15
50 89 82 12-0012	EA	CALTRANS 120182 PORTABLE DELINEATOR .....	24.23
50 89 82 12-0013	EA	CALTRANS 120198 PLASTIC TRAFFIC DRUMS .....	36.68
50 89 82 12-0014	EA	CALTRANS 120200 FLASHING BEACON (PORTABLE) .....	45.19
50 89 82 12-0015	EA	CALTRANS 120300 TEMPORARY PAVEMENT MARKER .....	3.12
50 89 82 12-0016	MO	CALTRANS 128651 PORTABLE CHANGEABLE MESSAGE SIGN (EA) .....	2,879.12
50 89 82 12-0017	MO	CALTRANS 129100 TEMPORARY CRASH CUSHION MODULE .....	686.37

###### 50 89 82 13 WATER POLLUTION CONTROL <sup>(50 89 82)</sup>

Note: Includes preventing, controlling, and abating water pollution within waters of the State per CALTRANS Standard.

50 89 82 13-0001	EA	CALTRANS 130310 RAIN EVENT ACTION PLAN .....	571.88
50 89 82 13-0002	EA	CALTRANS 130320 STORM WATER SAMPLING AND ANALYSIS DAY .....	463.94
50 89 82 13-0003	EA	CALTRANS 130330 STORM WATER ANNUAL REPORT .....	2,292.50
50 89 82 13-0004	SY	CALTRANS 130500 TEMPORARY EROSION CONTROL BLANKET .....	5.96
50 89 82 13-0005	EA	CALTRANS 130505 MOVE-IN/MOVE-OUT (TEMPORARY EROSION CONTROL) .....	856.43
50 89 82 13-0006	SY	CALTRANS 130510 TEMPORARY MULCH .....	4.84
50 89 82 13-0007	SY	CALTRANS 130520 TEMPORARY HYDRAULIC MULCH .....	0.93
50 89 82 13-0008	SY	CALTRANS 130530 TEMPORARY HYDRAULIC MULCH (BONDED FIBER MATRIX) .....	0.46
50 89 82 13-0009	SY	CALTRANS 130535 TEMPORARY HYDRAULIC MULCH (CEMENTITIOUS BINDER) .....	13.26
50 89 82 13-0010	SY	CALTRANS 130540 TEMPORARY TACKED STRAW .....	0.30
50 89 82 13-0011	SY	CALTRANS 130550 TEMPORARY HYDROSEED .....	0.93
50 89 82 13-0012	SY	CALTRANS 130560 TEMPORARY SOIL BINDER .....	0.51
50 89 82 13-0013	SY	CALTRANS 130570 TEMPORARY COVER .....	7.73
50 89 82 13-0014	EA	CALTRANS 130620 TEMPORARY DRAINAGE INLET PROTECTION .....	106.20
50 89 82 13-0015	LF	CALTRANS 130640 TEMPORARY FIBER ROLL .....	9.49
		Note: 12" Diameter, Type 1	
		For >1,000 To 10,000, Deduct	-0.92
		For >10,000, Deduct	-1.56
		For 9" Diameter, Deduct	-1.69
50 89 82 13-0016	LF	CALTRANS 130640 TEMPORARY FIBER ROLL .....	7.82
		Note: 12" Diameter, Type 2	
		For >1,000 To 10,000, Deduct	-0.67
		For >10,000, Deduct	-1.15
		For 9" Diameter, Deduct	-1.69
50 89 82 13-0017	LF	CALTRANS 130650 TEMPORARY GRAVEL BAG BERM .....	13.91
50 89 82 13-0018	LF	CALTRANS 130670 TEMPORARY REINFORCED SILT FENCE .....	9.94
50 89 82 13-0019	LF	CALTRANS 130680 TEMPORARY SILT FENCE .....	3.68
50 89 82 13-0020	LF	CALTRANS 130690 TEMPORARY STRAW BALE BARRIER .....	4.48
50 89 82 13-0021	EA	CALTRANS 130710 TEMPORARY CONSTRUCTION ENTRANCE .....	1,478.44
50 89 82 13-0022	SY	CALTRANS 130720 TEMPORARY CONSTRUCTION ROADWAY .....	36.28
50 89 82 13-0023	EA	CALTRANS 131103 WATER QUALITY SAMPLING AND ANALYSIS DAY .....	463.94
50 89 82 13-0024	EA	CALTRANS 131104 WATER QUALITY MONITORING REPORT .....	788.75
50 89 82 13-0025	EA	CALTRANS 131105 WATER QUALITY ANNUAL REPORT .....	843.12

**50 Custom Standards And Assemblies****50 89 CALTRANS Custom Standards And Assemblies****50 89 80 CALTRANS Construction Performance Requirements**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST**50 89 83 CALTRANS DIVISION III - GRADING (50 89 80)****50 89 83 17 GENERAL (50 89 83)**

Note: Includes clear all construction areas above original ground of (1) all vegetation such as trees, logs, upturned stumps, roots of downed trees, brush, grass, and weeds and (2) other objectionable material including concrete, masonry, and debris. Grub all construction areas to a depth necessary to remove all trees, existing stumps, roots, buried logs, and other objectionable material, except embankment areas where the grading plane is 2 feet or more above original ground per CALTRAN Standard.

50 89 83 17-0001	ACR	CALTRANS 170105 CLEARING AND GRUBBING (ACRE).....	12,863.43	
		Note: Includes grub and removal of stump. In embankment areas where the grading plane is 2 feet or more above original ground, cut off trees, stumps, and roots not more than 1 foot above original ground, except remove trees, stumps, and roots completely where work includes any of the following: 1. Structure construction, 2. Pile construction, 3. Subdrainage trench excavation, 4. Removal of unsuitable material, 5. Cutting into slopes of original hillsides, old or new fill		

**50 89 83 19 EARTHWORK (50 89 83)**

Note: Includes earthwork activities includes removal of unsuitable material or a buried man-made object if the removal is described. Excavate and dispose of unsuitable material encountered below the natural ground surface in embankment areas or below the grading plane in excavation areas. Backfill the space resulting from excavating unsuitable material with material suitable for the planned use. Place and compact suitable material. Remove and dispose of a buried man-made object encountered in an excavation as part of the excavation work. Roadway excavation consists of all excavation involved in the grading and construction of the roadway except structure excavation per CALTRAN Standard.

50 89 83 19-0001	CY	CALTRANS 190101 ROADWAY EXCAVATION .....	21.23	
		For >1,000, Deduct	-3.18	
50 89 83 19-0002	CY	CALTRANS 190161 ROCK EXCAVATION .....	37.55	
50 89 83 19-0003	TON	CALTRANS 190185 SHOULDER BACKING .....	116.76	
50 89 83 19-0004	CY	CALTRANS 192037 STRUCTURE EXCAVATION (RETAINING WALL) .....	58.94	795.97
50 89 83 19-0005	CY	CALTRANS 192049 STRUCTURE EXCAVATION (SOLDIER PILE WALL) .....	88.95	279.63
50 89 83 19-0006	CY	CALTRANS 192502 SAND BEDDING.....	39.56	
		For Up To 8, Add	7.91	
		For >8 To 16, Add	3.96	
		For >48 To 64, Deduct	-2.86	
		For >64 To 96, Deduct	-4.84	
		For >96, Deduct	-6.81	
50 89 83 19-0007	CY	CALTRANS 193013 STRUCTURE BACKFILL (RETAINING WALL) .....	58.94	795.97
50 89 83 19-0008	CY	CALTRANS 193118 CONCRETE BACKFILL.....	254.23	
50 89 83 19-0009	CY	CALTRANS 198010 IMPORTED BORROW (CY) .....	56.12	
50 89 83 19-0010	TON	CALTRANS 198011 IMPORTED BORROW (TON) .....	78.57	
50 89 83 19-0011	SY	CALTRANS 198206 SUBGRADE ENHANCEMENT GEOTEXTILE, CLASS A1.....	6.06	
		For Up To 50, Add	1.26	
		For >50 To 150, Add	0.94	
		For >150 To 250, Add	0.62	
		For >250 To 500, Add	0.31	
50 89 83 19-0012	SY	CALTRANS 198207 SUBGRADE ENHANCEMENT GEOTEXTILE, CLASS A2.....	2.49	
		For Up To 50, Add	0.54	
		For >50 To 150, Add	0.40	
		For >150 To 250, Add	0.26	
		For >250 To 500, Add	0.13	
50 89 83 19-0013	SY	CALTRANS 198208 SUBGRADE ENHANCEMENT GEOTEXTILE, CLASS B1.....	7.06	
		For Up To 50, Add	1.46	
		For >50 To 150, Add	1.09	
		For >150 To 250, Add	0.72	
		For >250 To 500, Add	0.36	
50 89 83 19-0014	SY	CALTRANS 198209 SUBGRADE ENHANCEMENT GEOTEXTILE, CLASS B2.....	3.42	
		For Up To 50, Add	0.72	
		For >50 To 150, Add	0.54	
		For >150 To 250, Add	0.36	
		For >250 To 500, Add	0.18	
50 89 83 19-0015	SY	CALTRANS 198210 SUBGRADE ENHANCEMENT GEOTEXTILE, CLASS B3.....	3.22	
		For Up To 50, Add	0.70	
		For >50 To 150, Add	0.52	
		For >150 To 250, Add	0.34	
		For >250 To 500, Add	0.17	
50 89 83 19-0016	SY	CALTRANS 198215 SUBGRADE ENHANCEMENT GEOGRID .....	5.39	
		For Up To 50, Add	1.18	
		For >50 To 150, Add	0.88	
		For >150 To 250, Add	0.57	
		For >250 To 500, Add	0.29	
50 89 83 19-0017	SY	CALTRANS 198250 GEOSYNTHETIC REINFORCEMENT .....	2.12	

**50 89 83 20 LANDSCAPE (50 89 83)**

Note: Includes materials and placement per CALTRAN Standard. Underground pipe includes pipe, fittings, trenching, backfill and compaction. Aboveground pipe include pipe, fittings and supports.

50 89 83 20-0001	SF	CALTRANS 200114 ROCK BLANKET .....	15.45	
		For >5,000, Deduct	-1.98	
50 89 83 20-0002	SY	CALTRANS 200122 WEED GERMINATION.....	0.62	
50 89 83 20-0003	SY	CALTRANS 200123 CULTIVATION .....	2.74	
50 89 83 20-0004	LB	CALTRANS 202004 IRON SULFATE (LB).....	7.09	
50 89 83 20-0005	CY	CALTRANS 202006 SOIL AMENDMENT.....	116.80	
50 89 83 20-0006	EA	CALTRANS 202026 RELOCATE BACKFLOW PREVENTER ASSEMBLY .....	1,016.48	
50 89 83 20-0007	EA	CALTRANS 202027 RELOCATE WATER METER .....	1,016.48	
50 89 83 20-0008	EA	CALTRANS 202028 RELOCATE IRRIGATION CONTROLLER .....	1,325.59	
50 89 83 20-0009	LB	CALTRANS 202037 ORGANIC FERTILIZER.....	7.20	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 83 20-0010 EA CALTRANS 202038 PACKET FERTILIZER.....	1.13	
50 89 83 20-0011 LB CALTRANS 202039 SLOW-RELEASE FERTILIZER.....	3.77	
50 89 83 20-0012 EA CALTRANS 204003 PLANT (GROUP C) (6' To 8' B&B).....	422.11	
50 89 83 20-0013 EA CALTRANS 204003 PLANT (GROUP C) (10' To 14' B&B).....	786.31	
50 89 83 20-0014 EA CALTRANS 204003 PLANT (GROUP C) (16' To 20' B&B).....	1,222.95	
50 89 83 20-0015 EA CALTRANS 204003 PLANT (GROUP C) (22' To 26' B&B).....	1,910.49	
50 89 83 20-0016 EA CALTRANS 204005 PLANT (GROUP E).....	4.03	
For >100 To 1,000, Deduct	-0.23	
For >1,000 To 5,000, Deduct	-0.35	
For >5,000, Deduct	-0.45	
50 89 83 20-0017 EA CALTRANS 204006 PLANT (GROUP F).....	2.28	
For >100 To 1,000, Deduct	-0.15	
For >1,000 To 5,000, Deduct	-0.23	
For >5,000, Deduct	-0.29	
50 89 83 20-0018 EA CALTRANS 204008 PLANT (GROUP H).....	6.21	
For >10 To 100, Deduct	-0.62	
For >100 To 1,000, Deduct	-1.40	
For >1,000 To 10,000, Deduct	-2.17	
For >10,000 To 25,000, Deduct	-3.11	
For >25,000, Deduct	-4.35	
50 89 83 20-0019 EA CALTRANS 204009 PLANT (GROUP I).....	23.48	
For >100 To 1,000, Deduct	-1.59	
For >1,000 To 5,000, Deduct	-2.59	
For >5,000, Deduct	-3.18	
50 89 83 20-0020 EA CALTRANS 204011 PLANT (GROUP K).....	578.85	
50 89 83 20-0021 EA CALTRANS 204013 PLANT (GROUP M).....	8.06	
For >100 To 1,000, Deduct	-0.47	
For >1,000 To 5,000, Deduct	-0.73	
For >5,000, Deduct	-0.93	
50 89 83 20-0022 EA CALTRANS 204015 PLANT (GROUP S).....	8.85	
For >100 To 1,000, Deduct	-0.55	
For >1,000 To 5,000, Deduct	-0.88	
For >5,000, Deduct	-1.10	
50 89 83 20-0023 EA CALTRANS 204020 PLANT (GROUP P).....	7.64	
For >100 To 1,000, Deduct	-0.43	
For >1,000 To 5,000, Deduct	-0.68	
For >5,000, Deduct	-0.87	
50 89 83 20-0024 EA CALTRANS 204030 TRANSPLANT TREE.....	3,836.77	
For >5 To 10, Deduct	-191.84	
For >10 To 20, Deduct	-383.68	
For >20, Deduct	-575.52	
50 89 83 20-0025 EA CALTRANS 204035 PLANT (GROUP A).....	31.86	
50 89 83 20-0026 EA CALTRANS 204036 PLANT (GROUP B).....	80.94	
50 89 83 20-0027 EA CALTRANS 204038 PLANT (GROUP U).....	212.12	
50 89 83 20-0028 SY CALTRANS 204045 SOD.....	19.72	
50 89 83 20-0029 SF CALTRANS 205033 GRAVEL MULCH.....	1.33	
50 89 83 20-0030 SF CALTRANS 205034 DECOMPOSED GRANITE.....	1.52	
50 89 83 20-0031 CY CALTRANS 205035 WOOD MULCH.....	104.10	
For >5 To 20, Deduct	-8.69	
For >20 To 50, Deduct	-13.04	
For >50, Deduct	-18.24	
50 89 83 20-0032 EA CALTRANS 205051 FOLIAGE PROTECTOR.....	38.81	
50 89 83 20-0033 EA CALTRANS 205052 ROOT PROTECTOR.....	27.26	
50 89 83 20-0034 LF CALTRANS 205062 ROOT BARRIER.....	12.64	
50 89 83 20-0035 LF CALTRANS 206005 EDGING.....	17.27	
50 89 83 20-0036 EA CALTRANS 206561 3/4" REMOTE CONTROL VALVE.....	391.63	
50 89 83 20-0037 EA CALTRANS 206562 1" REMOTE CONTROL VALVE.....	648.60	
50 89 83 20-0038 EA CALTRANS 206563 1 1/4" REMOTE CONTROL VALVE.....	722.16	
50 89 83 20-0039 EA CALTRANS 206564 1 1/2" REMOTE CONTROL VALVE.....	802.03	
50 89 83 20-0040 EA CALTRANS 206565 2" REMOTE CONTROL VALVE.....	907.18	
50 89 83 20-0041 EA CALTRANS 206566 2 1/2" REMOTE CONTROL VALVE.....	1,485.73	
50 89 83 20-0042 EA CALTRANS 206567 3" REMOTE CONTROL VALVE.....	2,064.28	
50 89 83 20-0043 EA CALTRANS 206571 REMOTE CONTROL VALVE WITH PRESSURE REGULATOR.....	1,022.48	
50 89 83 20-0044 EA CALTRANS 206630 3/4" WYE STRAINER ASSEMBLY.....	322.52	
50 89 83 20-0045 EA CALTRANS 206631 1" WYE STRAINER ASSEMBLY.....	350.70	
50 89 83 20-0046 EA CALTRANS 206632 1 1/4" WYE STRAINER ASSEMBLY.....	392.13	
50 89 83 20-0047 EA CALTRANS 206633 1 1/2" WYE STRAINER ASSEMBLY.....	417.31	
50 89 83 20-0048 EA CALTRANS 206634 2" WYE STRAINER ASSEMBLY.....	500.67	
50 89 83 20-0049 EA CALTRANS 206635 2-1/2" WYE STRAINER ASSEMBLY.....	769.71	
50 89 83 20-0050 EA CALTRANS 206636 3" WYE STRAINER ASSEMBLY.....	906.37	
50 89 83 20-0051 EA CALTRANS 206747 4 STATION IRRIGATION CONTROLLER (WALL MOUNTED).....	954.32	
50 89 83 20-0052 EA CALTRANS 206749 8 STATION IRRIGATION CONTROLLER (WALL MOUNTED).....	1,304.97	
50 89 83 20-0053 EA CALTRANS 206751 12 STATION IRRIGATION CONTROLLER (WALL MOUNTED).....	1,709.20	
50 89 83 20-0054 EA CALTRANS 206757 16-18 STATION IRRIGATION CONTROLLER (WALL MOUNTED).....	2,174.07	
50 89 83 20-0055 EA CALTRANS 206758 24-32 STATION IRRIGATION CONTROLLER (WALL MOUNTED).....	2,913.50	
50 89 83 20-0056 EA CALTRANS 206759 30-42 STATION IRRIGATION CONTROLLER (WALL MOUNTED).....	3,649.12	
50 89 83 20-0057 LF CALTRANS 207050 1/2" COPPER PIPE (SUPPLY LINE).....	11.08	
For >1,000, Deduct	-0.55	
50 89 83 20-0058 LF CALTRANS 207051 3/4" COPPER PIPE (SUPPLY LINE).....	15.11	
For >1,000, Deduct	-0.76	
50 89 83 20-0059 LF CALTRANS 207052 1" COPPER PIPE (SUPPLY LINE).....	19.03	
For >1,000, Deduct	-0.95	
50 89 83 20-0060 LF CALTRANS 207053 1 1/4" COPPER PIPE (SUPPLY LINE).....	24.39	
For >1,000, Deduct	-1.22	

**50 Custom Standards And Assemblies**  
**50 89 CALTRANS Custom Standards And Assemblies**  
**50 89 80 CALTRANS Construction Performance Requirements**



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 83 20-0061 LF CALTRANS 207054 1 1/2" COPPER PIPE (SUPPLY LINE).....	29.69	
<i>For &gt;1,000, Deduct</i>	-1.48	
50 89 83 20-0062 LF CALTRANS 207055 2" COPPER PIPE (SUPPLY LINE).....	41.08	
<i>For &gt;1,000, Deduct</i>	-2.05	
50 89 83 20-0063 LF CALTRANS 207056 3" COPPER PIPE (SUPPLY LINE).....	79.10	
<i>For &gt;1,000, Deduct</i>	-3.96	
50 89 83 20-0064 LF CALTRANS 207057 4" COPPER PIPE (SUPPLY LINE).....	128.45	
<i>For &gt;1,000, Deduct</i>	-6.42	
50 89 83 20-0065 LF CALTRANS 207058 2 1/2" COPPER PIPE (SUPPLY LINE).....	55.05	
<i>For &gt;1,000, Deduct</i>	-2.75	
50 89 83 20-0066 LF CALTRANS 208001 1/2" GALVANIZED PIPE (SUPPLY LINE).....	13.38	
<i>For &gt;1,000, Deduct</i>	-0.67	
50 89 83 20-0067 LF CALTRANS 208002 3/4" GALVANIZED PIPE (SUPPLY LINE).....	15.87	
<i>For &gt;1,000, Deduct</i>	-0.79	
50 89 83 20-0068 LF CALTRANS 208003 1" GALVANIZED PIPE (SUPPLY LINE).....	19.33	
<i>For &gt;1,000, Deduct</i>	-0.97	
50 89 83 20-0069 LF CALTRANS 208004 1 1/4" GALVANIZED PIPE (SUPPLY LINE).....	23.49	
<i>For &gt;1,000, Deduct</i>	-1.17	
50 89 83 20-0070 LF CALTRANS 208005 1 1/2" GALVANIZED PIPE (SUPPLY LINE).....	27.48	
<i>For &gt;1,000, Deduct</i>	-1.37	
50 89 83 20-0071 LF CALTRANS 208006 2" GALVANIZED PIPE (SUPPLY LINE).....	35.26	
<i>For &gt;1,000, Deduct</i>	-1.76	
50 89 83 20-0072 LF CALTRANS 208007 2 1/2" GALVANIZED PIPE (SUPPLY LINE).....	55.15	
<i>For &gt;1,000, Deduct</i>	-2.76	
50 89 83 20-0073 LF CALTRANS 208008 3" GALVANIZED PIPE (SUPPLY LINE).....	75.49	
<i>For &gt;1,000, Deduct</i>	-3.77	
50 89 83 20-0074 LF CALTRANS 208009 4" GALVANIZED PIPE (SUPPLY LINE).....	115.85	
<i>For &gt;1,000, Deduct</i>	-5.79	
50 89 83 20-0075 LF CALTRANS 208026 2" SUPPLY LINE (BRIDGE).....	51.98	
50 89 83 20-0076 LF CALTRANS 208027 2 1/2" SUPPLY LINE (BRIDGE).....	65.86	
50 89 83 20-0077 LF CALTRANS 208028 3" SUPPLY LINE (BRIDGE).....	81.95	
50 89 83 20-0078 LF CALTRANS 208029 4" SUPPLY LINE (BRIDGE).....	121.36	
50 89 83 20-0079 LF CALTRANS 208030 6" SUPPLY LINE (BRIDGE).....	317.31	
50 89 83 20-0080 LF CALTRANS 208033 8" SUPPLY LINE (BRIDGE).....	710.90	
50 89 83 20-0081 LF CALTRANS 208042 2" GALVANIZED STEEL PIPE (SUPPLY LINE ON BRIDGE).....	40.19	
50 89 83 20-0082 LF CALTRANS 208043 2 1/2" GALVANIZED STEEL PIPE (SUPPLY LINE ON BRIDGE).....	60.28	
50 89 83 20-0083 LF CALTRANS 208044 3" GALVANIZED STEEL PIPE (SUPPLY LINE ON BRIDGE).....	74.88	
50 89 83 20-0084 LF CALTRANS 208046 4" GALVANIZED STEEL PIPE (SUPPLY LINE ON BRIDGE).....	116.82	
50 89 83 20-0085 LF CALTRANS 208220 1/2" DRIP IRRIGATION TUBING.....	2.53	
50 89 83 20-0086 LF CALTRANS 208221 3/4" DRIP IRRIGATION TUBING.....	2.74	
50 89 83 20-0087 EA CALTRANS 208301 IRRIGATION CONTROLLER ENCLOSURE CABINET.....	3,775.62	
50 89 83 20-0088 EA CALTRANS 208422 3/4" BACKFLOW PREVENTER ASSEMBLY.....	2,074.54	
50 89 83 20-0089 EA CALTRANS 208423 1" BACKFLOW PREVENTER ASSEMBLY.....	2,190.73	
50 89 83 20-0090 EA CALTRANS 208424 1 1/4" BACKFLOW PREVENTER ASSEMBLY.....	2,884.79	
50 89 83 20-0091 EA CALTRANS 208425 1 1/2" BACKFLOW PREVENTER ASSEMBLY.....	3,139.97	
50 89 83 20-0092 EA CALTRANS 208426 2" BACKFLOW PREVENTER ASSEMBLY.....	4,179.00	
50 89 83 20-0093 EA CALTRANS 208427 2 1/2" BACKFLOW PREVENTER ASSEMBLY.....	9,248.31	
50 89 83 20-0094 EA CALTRANS 208428 3" BACKFLOW PREVENTER ASSEMBLY.....	10,734.56	
50 89 83 20-0095 EA CALTRANS 208429 4" BACKFLOW PREVENTER ASSEMBLY.....	11,619.89	
50 89 83 20-0096 EA CALTRANS 208440 BACKFLOW PREVENTER ENCLOSURE.....	2,970.91	
50 89 83 20-0097 EA CALTRANS 208442 FLOW SENSOR.....	1,700.66	
50 89 83 20-0098 EA CALTRANS 208447 POP-UP SPRINKLER ASSEMBLY (GEAR DRIVEN).....	97.56	12.19
50 89 83 20-0099 EA CALTRANS 208448 RISER SPRINKLER ASSEMBLY.....	57.59	12.19
50 89 83 20-0100 EA CALTRANS 208449 POP-UP SPRINKLER ASSEMBLY.....	56.43	12.19
50 89 83 20-0101 EA CALTRANS 208562 CAM COUPLER ASSEMBLY.....	428.11	
50 89 83 20-0102 EA CALTRANS 208569 1/2" GATE VALVE.....	290.39	
50 89 83 20-0103 EA CALTRANS 208570 3/4" GATE VALVE.....	308.72	
50 89 83 20-0104 EA CALTRANS 208572 1" GATE VALVE.....	338.14	
50 89 83 20-0105 EA CALTRANS 208573 1 1/4" GATE VALVE.....	373.67	
50 89 83 20-0106 EA CALTRANS 208574 1 1/2" GATE VALVE.....	399.41	
50 89 83 20-0107 EA CALTRANS 208575 2" GATE VALVE.....	456.16	
50 89 83 20-0108 EA CALTRANS 208576 2 1/2" GATE VALVE.....	750.47	
50 89 83 20-0109 EA CALTRANS 208588 3" GATE VALVE.....	952.64	
50 89 83 20-0110 EA CALTRANS 208589 4" GATE VALVE.....	1,272.88	
50 89 83 20-0111 EA CALTRANS 208590 6" GATE VALVE.....	1,762.06	
50 89 83 20-0112 EA CALTRANS 208591 8" GATE VALVE.....	2,606.01	
50 89 83 20-0113 LF CALTRANS 208593 1/2" PLASTIC PIPE (SCHEDULE 40) (SUPPLY LINE).....	6.65	
<i>For &gt;1,000, Deduct</i>	-0.33	
<i>For Schedule 80, Add</i>	0.31	
50 89 83 20-0114 LF CALTRANS 208594 3/4" PLASTIC PIPE (SCHEDULE 40) (SUPPLY LINE).....	6.96	
<i>For &gt;1,000, Deduct</i>	-0.35	
<i>For Schedule 80, Add</i>	0.38	
50 89 83 20-0115 LF CALTRANS 208595 1" PLASTIC PIPE (SCHEDULE 40) (SUPPLY LINE).....	8.02	
<i>For &gt;1,000, Deduct</i>	-0.40	
<i>For Schedule 80, Add</i>	0.62	
50 89 83 20-0116 LF CALTRANS 208596 1 1/4" PLASTIC PIPE (SCHEDULE 40) (SUPPLY LINE).....	9.56	
<i>For &gt;1,000, Deduct</i>	-0.48	
<i>For Schedule 80, Add</i>	0.92	
50 89 83 20-0117 LF CALTRANS 208597 1 1/2" PLASTIC PIPE (SCHEDULE 40) (SUPPLY LINE).....	9.94	
<i>For &gt;1,000, Deduct</i>	-0.50	
<i>For Schedule 80, Add</i>	1.23	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 83 20-0118 LF CALTRANS 208598 2" PLASTIC PIPE (SCHEDULE 40) (SUPPLY LINE).....	11.95	
<i>For &gt;1,000, Deduct</i>	-0.60	
<i>For Schedule 80, Add</i>	2.08	
50 89 83 20-0119 LF CALTRANS 208599 2 1/2" PLASTIC PIPE (SCHEDULE 40) (SUPPLY LINE).....	15.14	
<i>For &gt;1,000, Deduct</i>	-0.76	
<i>For Schedule 80, Add</i>	2.69	
50 89 83 20-0120 LF CALTRANS 208600 3" PLASTIC PIPE (SCHEDULE 40) (SUPPLY LINE).....	19.56	
<i>For &gt;1,000, Deduct</i>	-0.98	
<i>For Schedule 80, Add</i>	3.77	
50 89 83 20-0121 LF CALTRANS 208601 4" PLASTIC PIPE (SCHEDULE 40) (SUPPLY LINE).....	25.27	
<i>For &gt;1,000, Deduct</i>	-1.26	
<i>For Schedule 80, Add</i>	5.77	
50 89 83 20-0122 LF CALTRANS 208602 6" PLASTIC PIPE (SCHEDULE 40) (SUPPLY LINE).....	36.81	
<i>For &gt;1,000, Deduct</i>	-1.84	
<i>For Schedule 80, Add</i>	12.85	
50 89 83 20-0123 LF CALTRANS 208603 8" PLASTIC PIPE (SCHEDULE 40) (SUPPLY LINE).....	47.74	
<i>For &gt;1,000, Deduct</i>	-2.39	
<i>For Schedule 80, Add</i>	19.70	
50 89 83 20-0124 LF CALTRANS 208604 10" PLASTIC PIPE (SCHEDULE 40) (SUPPLY LINE).....	113.76	
<i>For &gt;1,000, Deduct</i>	-5.69	
<i>For Schedule 80, Add</i>	61.25	
50 89 83 20-0125 LF CALTRANS 208605 2" PLASTIC PIPE (CLASS 315) (SUPPLY LINE).....	13.02	
<i>For &gt;1,000, Deduct</i>	-0.65	
50 89 83 20-0126 LF CALTRANS 208606 2 1/2" PLASTIC PIPE (CLASS 315) (SUPPLY LINE).....	16.89	
<i>For &gt;1,000, Deduct</i>	-0.84	
50 89 83 20-0127 LF CALTRANS 208607 3" PLASTIC PIPE (CLASS 315) (SUPPLY LINE).....	19.56	
<i>For &gt;1,000, Deduct</i>	-0.98	
50 89 83 20-0128 LF CALTRANS 208608 4" PLASTIC PIPE (CLASS 315) (SUPPLY LINE).....	25.27	
<i>For &gt;1,000, Deduct</i>	-1.26	
50 89 83 20-0129 LF CALTRANS 208609 6" PLASTIC PIPE (CLASS 315) (SUPPLY LINE).....	37.59	
<i>For &gt;1,000, Deduct</i>	-1.88	
50 89 83 20-0130 EA CALTRANS 208631 3/4" PRESSURE RELIEF VALVE.....	908.36	
50 89 83 20-0131 EA CALTRANS 208632 1 1/2" PRESSURE RELIEF VALVE.....	1,338.70	
50 89 83 20-0132 EA CALTRANS 208633 1" PRESSURE RELIEF VALVE.....	1,082.18	
50 89 83 20-0133 EA CALTRANS 208634 2" PRESSURE RELIEF VALVE.....	1,529.47	
50 89 83 20-0134 EA CALTRANS 208640 PRESSURE REGULATING VALVE (3/4").....	277.89	
50 89 83 20-0135 EA CALTRANS 208640 PRESSURE REGULATING VALVE (1").....	366.87	
50 89 83 20-0136 EA CALTRANS 208640 PRESSURE REGULATING VALVE (1-1/4").....	631.71	
50 89 83 20-0137 EA CALTRANS 208640 PRESSURE REGULATING VALVE (1-1/2").....	858.21	
50 89 83 20-0138 EA CALTRANS 208640 PRESSURE REGULATING VALVE (2").....	1,229.23	
50 89 83 20-0139 EA CALTRANS 208649 QUICK COUPLING VALVE.....	552.82	
50 89 83 20-0140 EA CALTRANS 208670 1/2" CHECK VALVE.....	305.03	
50 89 83 20-0141 EA CALTRANS 208670 3/4" CHECK VALVE.....	327.05	
50 89 83 20-0142 EA CALTRANS 208670 1" CHECK VALVE.....	357.20	
50 89 83 20-0143 EA CALTRANS 208670 1 1/4" CHECK VALVE.....	403.61	
50 89 83 20-0144 EA CALTRANS 208670 1 1/2" CHECK VALVE.....	452.24	
50 89 83 20-0145 EA CALTRANS 208670 2" CHECK VALVE.....	516.19	
50 89 83 20-0146 EA CALTRANS 208670 2 1/2" CHECK VALVE.....	814.44	
50 89 83 20-0147 EA CALTRANS 208670 3" CHECK VALVE.....	995.91	
50 89 83 20-0148 EA CALTRANS 208670 4" CHECK VALVE.....	1,450.16	
50 89 83 20-0149 EA CALTRANS 208670 6" CHECK VALVE.....	2,135.12	
50 89 83 20-0150 EA CALTRANS 208670 8" CHECK VALVE.....	4,470.61	
50 89 83 20-0151 EA CALTRANS 208683 1/2" BALL VALVE.....	272.18	
50 89 83 20-0152 EA CALTRANS 208683 3/4" BALL VALVE.....	298.36	
50 89 83 20-0153 EA CALTRANS 208683 1" BALL VALVE.....	309.08	
50 89 83 20-0154 EA CALTRANS 208683 1 1/4" BALL VALVE.....	343.94	
50 89 83 20-0155 EA CALTRANS 208683 1 1/2" BALL VALVE.....	362.76	
50 89 83 20-0156 EA CALTRANS 208683 2" BALL VALVE.....	399.12	
50 89 83 20-0157 EA CALTRANS 208683 2 1/2" BALL VALVE.....	445.58	
50 89 83 20-0158 LF CALTRANS 208690 PVC PIPE CONDUIT (SLEEVE).....	47.74	
<i>For &gt;1,000, Deduct</i>	-2.39	
50 89 83 20-0159 LF CALTRANS 208702 8" ABS COMPOSITE PIPE CONDUIT.....	52.66	
<i>For &gt;1,000, Deduct</i>	-2.63	
50 89 83 20-0160 LF CALTRANS 208703 10" ABS COMPOSITE PIPE CONDUIT.....	77.36	
<i>For &gt;1,000, Deduct</i>	-3.87	
50 89 83 20-0161 LF CALTRANS 208738 8" CORRUGATED HIGH DENSITY POLYETHYLENE PIPE CONDUIT.....	25.84	
50 89 83 20-0162 LF CALTRANS 208739 10" CORRUGATED HIGH DENSITY POLYETHYLENE PIPE CONDUIT.....	33.27	
50 89 83 20-0163 LF CALTRANS 208740 12" CORRUGATED HIGH DENSITY POLYETHYLENE PIPE CONDUIT.....	38.43	
50 89 83 20-0164 LF CALTRANS 208756 6" CORRUGATED STEEL PIPE CONDUIT (.064" THICK).....	25.33	
50 89 83 20-0165 LF CALTRANS 208758 8" CORRUGATED STEEL PIPE CONDUIT (.064" THICK).....	31.44	
50 89 83 20-0166 LF CALTRANS 208760 10" CORRUGATED STEEL PIPE CONDUIT (.064" THICK).....	38.91	
50 89 83 20-0167 LF CALTRANS 208762 12" CORRUGATED STEEL PIPE CONDUIT (.064" THICK).....	43.54	
50 89 83 20-0168 LF CALTRANS 208813 1 1/4" WELDED STEEL PIPE CONDUIT.....	29.09	
<i>For &gt;1,000, Deduct</i>	-1.45	
50 89 83 20-0169 LF CALTRANS 208814 1 1/2" WELDED STEEL PIPE CONDUIT.....	34.95	
<i>For &gt;1,000, Deduct</i>	-1.75	
50 89 83 20-0170 LF CALTRANS 208815 2" WELDED STEEL PIPE CONDUIT.....	40.64	
<i>For &gt;1,000, Deduct</i>	-2.03	
50 89 83 20-0171 LF CALTRANS 208816 3" WELDED STEEL PIPE CONDUIT.....	59.98	
<i>For &gt;1,000, Deduct</i>	-3.00	
50 89 83 20-0172 LF CALTRANS 208817 4" WELDED STEEL PIPE CONDUIT.....	85.41	
<i>For &gt;1,000, Deduct</i>	-4.27	

**50 Custom Standards And Assemblies****50 89 CALTRANS Custom Standards And Assemblies****50 89 80 CALTRANS Construction Performance Requirements**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 83 20-0173 LF CALTRANS 208818 6" WELDED STEEL PIPE CONDUIT .....	128.41	
<i>For &gt;1,000, Deduct</i>	-6.42	
50 89 83 20-0174 LF CALTRANS 208819 8" WELDED STEEL PIPE CONDUIT .....	187.11	
<i>For &gt;1,000, Deduct</i>	-9.36	
50 89 83 20-0175 LF CALTRANS 208820 10" WELDED STEEL PIPE CONDUIT .....	253.33	
<i>For &gt;1,000, Deduct</i>	-12.67	
50 89 83 20-0176 LF CALTRANS 208821 12" WELDED STEEL PIPE CONDUIT .....	327.26	
<i>For &gt;1,000, Deduct</i>	-16.36	
<b>50 89 83 21 EROSION CONTROL (50 89 83)</b>		
Note: Includes applying permanent erosion control measures to the soil surface per CALTRAN Standard.		
50 89 83 21-0001 EA CALTRANS 210010 MOVE-IN/MOVE-OUT (EROSION CONTROL) .....	342.57	
50 89 83 21-0002 CY CALTRANS 210110 IMPORTED TOPSOIL (CY) .....	56.12	
50 89 83 21-0003 TON CALTRANS 210111 IMPORTED TOPSOIL (TON) .....	70.14	
50 89 83 21-0004 SF CALTRANS 210212 DRY SEED (SQFT) .....	0.10	
50 89 83 21-0005 ACR CALTRANS 210213 DRY SEED (ACRE) .....	4,361.86	
<i>For &gt;5 To 20, Deduct</i>	-308.30	
<i>For &gt;20 To 45, Deduct</i>	-597.77	
<i>For &gt;45, Deduct</i>	-977.45	
50 89 83 21-0006 SY CALTRANS 210222 DRILL SEED (SQYD) .....	0.37	
50 89 83 21-0007 ACR CALTRANS 210223 DRILL SEED (ACRE) .....	1,773.53	
50 89 83 21-0008 SF CALTRANS 210252 BONDED FIBER MATRIX (SQFT) .....	0.10	
50 89 83 21-0009 ACR CALTRANS 210253 BONDED FIBER MATRIX (ACRE) .....	4,200.72	
50 89 83 21-0010 SF CALTRANS 210260 ROLLED EROSION CONTROL PRODUCT (JUTE MESH) .....	0.61	
50 89 83 21-0011 SF CALTRANS 210270 ROLLED EROSION CONTROL PRODUCT (NETTING) .....	1.85	
50 89 83 21-0012 SF CALTRANS 210280 ROLLED EROSION CONTROL PRODUCT (BLANKET) .....	0.60	
50 89 83 21-0013 SF CALTRANS 210290 ROLLED EROSION CONTROL PRODUCT (TRM) .....	1.58	
50 89 83 21-0014 SF CALTRANS 210300 HYDROMULCH .....	0.10	
50 89 83 21-0015 LF CALTRANS 210350 FIBER ROLL .....	9.49	
Note: 12" Diameter, Type 1		
<i>For &gt;1,000 To 10,000, Deduct</i>	-0.92	
<i>For &gt;10,000, Deduct</i>	-1.56	
<i>For 9" Diameter, Deduct</i>	-1.69	
50 89 83 21-0016 LF CALTRANS 210350 FIBER ROLL .....	7.82	
Note: 12" Diameter, Type 2		
<i>For &gt;1,000 To 10,000, Deduct</i>	-0.67	
<i>For &gt;10,000, Deduct</i>	-1.15	
<i>For 9" Diameter, Deduct</i>	-1.69	
50 89 83 21-0017 LF CALTRANS 210360 COMPOST SOCK .....	11.32	
50 89 83 21-0018 SF CALTRANS 210420 STRAW .....	0.18	
50 89 83 21-0019 SF CALTRANS 210430 HYDROSEED .....	0.10	
50 89 83 21-0020 CY CALTRANS 210610 COMPOST (CY) .....	89.99	
<i>For &gt;100 To 1,000, Deduct</i>	-14.96	
<i>For &gt;1,000, Deduct</i>	-22.94	
50 89 83 21-0021 SF CALTRANS 210630 INCORPORATE MATERIALS .....	0.05	
<b>50 89 84 CALTRANS DIVISION IV - SUBBASES AND BASES (50 89 80)</b>		
<b>50 89 84 24 STABILIZED SOILS (50 89 84)</b>		
50 89 84 24-0001 SY CALTRANS 240105 LIME STABILIZED SOIL .....	11.81	
<i>For 4% Lime Instead Of 5%, Deduct</i>	-0.33	
<i>For 6% Lime Instead Of 5%, Add</i>	0.33	
50 89 84 24-0002 SY CALTRANS 240300 CEMENT STABILIZED SOIL .....	12.25	
<b>50 89 84 25 AGGREGATE SUBBASES (50 89 84)</b>		
Note: Includes aggregate, placing aggregate subbase, water, geosynthetic materials, spreading, compacting per CALTRAN Standard.		
50 89 84 25-0001 CY CALTRANS 250101 CLASS 1 AGGREGATE SUBBASE .....	109.07	
50 89 84 25-0002 CY CALTRANS 250201 CLASS 2 AGGREGATE SUBBASE .....	108.19	
50 89 84 25-0003 CY CALTRANS 250301 CLASS 3 AGGREGATE SUBBASE .....	103.68	
50 89 84 25-0004 CY CALTRANS 250401 CLASS 4 AGGREGATE SUBBASE .....	103.63	
50 89 84 25-0005 CY CALTRANS 250501 CLASS 5 AGGREGATE SUBBASE .....	103.57	
<b>50 89 84 26 AGGREGATE BASES (50 89 84)</b>		
Note: Includes aggregate, placing aggregate, water, geosynthetic materials, spreading, compacting per CALTRAN Standard.		
50 89 84 26-0001 CY CALTRANS 260200 AGGREGATE BASE .....	108.33	
<i>For Recycled Aggregate Base, Deduct</i>	-6.51	
50 89 84 26-0002 TON CALTRANS 260202 CLASS 2 AGGREGATE BASE (TON) .....	110.39	
50 89 84 26-0003 CY CALTRANS 260203 CLASS 2 AGGREGATE BASE (CY) .....	108.19	
50 89 84 26-0004 TON CALTRANS 260302 CLASS 3 AGGREGATE BASE (TON) .....	104.23	
50 89 84 26-0005 CY CALTRANS 260303 CLASS 3 AGGREGATE BASE (CY) .....	103.68	
<b>50 89 84 27 CEMENT TREATED BASES (50 89 84)</b>		
Note: Includes aggregate, Type II portland cement, mixing, placing cement treated base, spreading, compaction, contact joints and curing per CALTRAN Standard.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 84 27-0001 TON CALTRANS 270002 CEMENT TREATED BASE (ROAD-MIXED, CLASS A) (TON) .....	52.39	
<i>For Up To 500, Add</i>	15.43	
<i>For &gt;500 To 1,000, Add</i>	5.24	
<i>For &gt;5,000 To 10,000, Deduct</i>	-1.99	
<i>For &gt;10,000, Deduct</i>	-3.41	
50 89 84 27-0002 CY CALTRANS 270003 CEMENT TREATED BASE (ROAD-MIXED, CLASS A) (CY) .....	70.93	
<i>For Up To 500, Add</i>	20.91	
<i>For &gt;500 To 1,000, Add</i>	7.09	
<i>For &gt;5,000 To 10,000, Deduct</i>	-2.70	
<i>For &gt;10,000, Deduct</i>	-4.61	
50 89 84 27-0003 TON CALTRANS 270013 CEMENT TREATED BASE (PLANT-MIXED, CLASS A) (TON) .....	43.13	
<i>For Up To 500, Add</i>	12.65	
<i>For &gt;500 To 1,000, Add</i>	4.31	
<i>For &gt;5,000 To 10,000, Deduct</i>	-1.64	
<i>For &gt;10,000, Deduct</i>	-2.80	
50 89 84 27-0004 CY CALTRANS 270014 CEMENT TREATED BASE (PLANT-MIXED, CLASS A) (CY) .....	61.68	
<i>For Up To 500, Add</i>	18.13	
<i>For &gt;500 To 1,000, Add</i>	6.17	
<i>For &gt;5,000 To 10,000, Deduct</i>	-2.34	
<i>For &gt;10,000, Deduct</i>	-4.01	
<b>50 89 84 28 CONCRETE BASES <small>(50 89 84)</small></b>		
Note: Includes constructing concrete bases and placing concrete per CALTRAN Standard.		
50 89 84 28-0001 CY CALTRANS 280001 CONCRETE BASE .....	268.03	
<b>50 89 84 29 TREATED PERMEABLE BASES <small>(50 89 84)</small></b>		
Note: Includes constructing treated permeable bases, spreading, and placement per CALTRAN Standard.		
50 89 84 29-0001 CY CALTRANS 290301 CEMENT TREATED PERMEABLE BASE .....	936.62	
<i>For &gt;5,000 To 30,000, Deduct</i>	-99.14	
<i>For &gt;30,000 To 100,000, Deduct</i>	-180.33	
<i>For &gt;100,000, Deduct</i>	-223.97	
<b>50 89 84 30 RECLAIMED PAVEMENT <small>(50 89 84)</small></b>		
Note: Includes constructing reclaimed pavement bases, surface preparation, grading, compaction, finishing and placement per CALTRAN Standard.		
50 89 84 30-0001 SF CALTRANS 300100 FULL DEPTH RECLAMATION-FOAMED ASPHALT .....	23.61	
50 89 84 30-0002 SY CALTRANS 303000 PULVERIZED ROADBED .....	5.21	
<b>50 89 85 CALTRANS DIVISION V - SURFACINGS AND PAVEMENTS <small>(50 89 80)</small></b>		
<b>50 89 85 37 BITUMINOUS SEALS <small>(50 89 85)</small></b>		
Note: Includes applying bituminous seals, surface preparation, placement, spreading, finishing and seal coat per CALTRAN Standard.		
50 89 85 37-0001 SY CALTRANS 370001 SAND COVER (SEAL) .....	1.43	
50 89 85 37-0002 SY CALTRANS 374002 ASPHALTIC EMULSION (FOG SEAL COAT) .....	0.83	
50 89 85 37-0003 LNMI CALTRANS 374207 CRACK TREATMENT .....	6,518.09	
50 89 85 37-0004 SY CALTRANS 374491 NON-POLYMER ASPHALTIC EMULSION (SEAL COAT) .....	4.60	
50 89 85 37-0005 SY CALTRANS 374493 POLYMER ASPHALTIC EMULSION (SEAL COAT) .....	9.42	
50 89 85 37-0006 TON CALTRANS 375001 SCREENINGS .....	77.56	
<i>For Up To 14, Add</i>	21.16	
<i>For &gt;14 To 35, Add</i>	7.76	
50 89 85 37-0007 SY CALTRANS 375009 TACK COAT (SEAL) .....	1.04	
<i>For Up To 150, Add</i>	0.22	
<i>For &gt;150 To 300, Add</i>	0.10	
<i>For &gt;300 To 500, Add</i>	0.05	
<i>For &gt;3,500 To 5,000, Deduct</i>	-0.03	
<i>For &gt;5,000, Deduct</i>	-0.07	
50 89 85 37-0008 SY CALTRANS 377501 SLURRY SEAL (TYPE I) .....	2.94	
Note: 1/8" thick.		
<i>For Each 0.5% Of Latex Addition, Add</i>	0.29	
50 89 85 37-0009 SY CALTRANS 377501 SLURRY SEAL (TYPE II) .....	3.86	
Note: 1/4" thick, 14 to 18 Lbs/SY.		
<i>For Each 0.5% Of Latex Addition, Add</i>	0.43	
50 89 85 37-0010 SY CALTRANS 377501 SLURRY SEAL (TYPE III) .....	5.00	
Note: 3/8" thick, 25 to 30 Lbs/SY.		
<i>For Each 0.5% Of Latex Addition, Add</i>	0.69	
50 89 85 37-0011 SY CALTRANS 378000 MICRO-SURFACING .....	10.16	
<b>50 89 85 39 ASPHALT CONCRETE <small>(50 89 85)</small></b>		
Note: Includes hot mix asphalt, preparation, placement, finishing, compaction and testing per CALTRAN Standard.		
50 89 85 39-0001 TON CALTRANS 390100 PRIME COAT .....	1,413.40	
50 89 85 39-0002 TON CALTRANS 390132 HOT MIX ASPHALT (TYPE A) (Up To 25) .....	174.23	
50 89 85 39-0003 TON CALTRANS 390132 HOT MIX ASPHALT (TYPE A) (>25 To 100) .....	164.56	
50 89 85 39-0004 TON CALTRANS 390132 HOT MIX ASPHALT (TYPE A) (>100-250) .....	149.34	
50 89 85 39-0005 TON CALTRANS 390132 HOT MIX ASPHALT (TYPE A) (>250) .....	141.86	
50 89 85 39-0006 TON CALTRANS 390135 HOT MIX ASPHALT (LEVELING) (UP TO 25) .....	278.10	
50 89 85 39-0007 TON CALTRANS 390135 HOT MIX ASPHALT (LEVELING) (>25 - 100) .....	243.50	
50 89 85 39-0008 TON CALTRANS 390135 HOT MIX ASPHALT (LEVELING) (>100 - 250) .....	209.06	
50 89 85 39-0009 TON CALTRANS 390135 HOT MIX ASPHALT (LEVELING) (>250) .....	177.48	

**50 Custom Standards And Assemblies**  
**50 89 CALTRANS Custom Standards And Assemblies**  
**50 89 80 CALTRANS Construction Performance Requirements**



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 85 39-0010 TON CALTRANS 390136 MINOR HOT MIX ASPHALT (UP TO 25) .....	286.15	
50 89 85 39-0011 TON CALTRANS 390137 RUBBERIZED HOT MIX ASPHALT (GAP GRADED) .....	176.76	
Note: Includes placement, rolling, finishing and sweeping.		
50 89 85 39-0012 SY CALTRANS 393004 GEOSYNTHETIC PAVEMENT INTERLAYER (PAVING FABRIC).....	2.09	
Note: 4.1 Oz/SY, 100# 1-Inch Grab Tensile, Non-woven Polypropylene		
For Up To 50, Add	0.46	
For >50 To 150, Add	0.34	
For >150 To 250, Add	0.22	
For >250 To 500, Add	0.11	
50 89 85 39-0013 LF CALTRANS 394072 PLACE HOT MIX ASPHALT DIKE (TYPE B) .....	9.41	
50 89 85 39-0014 LF CALTRANS 394073 PLACE HOT MIX ASPHALT DIKE (TYPE A) .....	6.86	
50 89 85 39-0015 LF CALTRANS 394074 PLACE HOT MIX ASPHALT DIKE (TYPE C) .....	3.64	
50 89 85 39-0016 LF CALTRANS 394075 PLACE HOT MIX ASPHALT DIKE (TYPE D) .....	15.07	
50 89 85 39-0017 LF CALTRANS 394076 PLACE HOT MIX ASPHALT DIKE (TYPE E) .....	9.76	
50 89 85 39-0018 LF CALTRANS 394077 PLACE HOT MIX ASPHALT DIKE (TYPE F).....	5.31	
50 89 85 39-0019 SY CALTRANS 394090 PLACE HOT MIX ASPHALT (MISCELLANEOUS AREA) Up To 2" .....	16.60	
For Up To 500, Add	2.59	
For >500 To 1,000, Add	1.48	
For >5,000 To 10,000, Deduct	-0.68	
For >10,000 To 24,000, Deduct	-1.24	
For >24,000 To 48,000, Deduct	-1.91	
For >48,000, Deduct	-2.75	
50 89 85 39-0020 SY CALTRANS 394090 PLACE HOT MIX ASPHALT (MISCELLANEOUS AREA) >2" To 3".....	23.20	
For Up To 300, Add	3.41	
For >300 To 600, Add	2.77	
For >3,000 To 6,000, Deduct	-0.98	
For >6,000 To 16,000, Deduct	-1.79	
For >16,000 To 32,000, Deduct	-2.76	
For >32,000, Deduct	-3.98	
50 89 85 39-0021 SY CALTRANS 394090 PLACE HOT MIX ASPHALT (MISCELLANEOUS AREA) >3" To 4".....	31.55	
For Up To 250, Add	4.31	
For >250 To 500, Add	2.38	
For >2,500 To 5,000, Deduct	-1.38	
For >5,000 To 12,000, Deduct	-2.52	
For >12,000 To 24,000, Deduct	-3.90	
For >24,000, Deduct	-5.60	
50 89 85 39-0022 SY CALTRANS 394090 PLACE HOT MIX ASPHALT (MISCELLANEOUS AREA) >4" To 6".....	47.32	
For Up To 160, Add	6.47	
For >160 To 320, Add	3.57	
For >1,600 To 3,200, Deduct	-2.08	
For >3,200 To 8,000, Deduct	-3.78	
For >8,000 To 16,000, Deduct	-5.85	
For >16,000, Deduct	-8.40	
50 89 85 39-0023 TON CALTRANS 395020 RUBBERIZED HOT MIX ASPHALT-GAP GRADED (BONDED WEARING COURSE).....	176.76	
50 89 85 39-0024 TON CALTRANS 397005 TACK COAT .....	855.87	
50 89 85 39-0025 SF CALTRANS 398000 REMOVE ASPHALT CONCRETE PAVEMENT (CY).....	194.41	
For >500 To 1,000, Deduct	-19.44	
For >1,000 To 2,500, Deduct	-34.99	
For >2,500 To 5,000, Deduct	-50.55	
For >5,000 To 10,000, Deduct	-66.10	
For >10,000, Deduct	-81.65	
50 89 85 39-0026 SF CALTRANS 398001 REMOVE ASPHALT CONCRETE PAVEMENT (SQFT) .....	3.29	
For >500 To 1,000, Deduct	-0.33	
For >1,000 To 2,500, Deduct	-0.59	
For >2,500 To 5,000, Deduct	-0.86	
For >5,000 To 10,000, Deduct	-1.12	
For >10,000, Deduct	-1.38	
50 89 85 39-0027 LF CALTRANS 398100 REMOVE ASPHALT CONCRETE DIKE.....	5.32	
50 89 85 39-0028 SY CALTRANS 398200 COLD PLANE ASPHALT CONCRETE PAVEMENT (Up To 3").....	4.68	
For Up To 2,500, Add	3.51	
For >2,500 To 5,000, Add	1.17	
For >10,000 To 25,000, Deduct	-0.47	
For >25,000, Deduct	-0.70	
50 89 85 39-0029 SY CALTRANS 398200 COLD PLANE ASPHALT CONCRETE PAVEMENT (>3" To 6").....	6.23	
For Up To 2,500, Add	4.67	
For >2,500 To 5,000, Add	1.56	
For >10,000 To 25,000, Deduct	-0.62	
For >25,000, Deduct	-0.93	
<b>50 89 85 40 CONCRETE PAVEMENT</b> <small>(50 89 85)</small>		
Note: Includes concrete pavement, reinforcing, placement, finishing, compaction and testing per CALTRAN Standard.		
50 89 85 40-0001 CY CALTRANS 400050 CONTINUOUSLY REINFORCED CONCRETE PAVEMENT .....	395.53	
For >1,000 To 5,000, Deduct	-17.46	
For >5,000, Deduct	-45.96	
50 89 85 40-0002 CY CALTRANS 401050 JOINTED PLAIN CONCRETE PAVEMENT .....	383.06	
For >1,000 To 5,000, Deduct	-17.46	
For >5,000, Deduct	-45.34	
<b>50 89 85 41 EXISTING CONCRETE PAVEMENT</b> <small>(50 89 85)</small>		
Note: Includes work on existing concrete pavement, placement and finishing per CALTRAN Standard.		
50 89 85 41-0001 EA CALTRANS 410096 DRILL AND BOND (DOWEL BAR).....	29.26	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 85 41-0002 SY CALTRANS 410121 SPALL REPAIR (FAST-SETTING CONCRETE).....	412.93	
<i>For Up To 100, Add</i>	540.14	
<i>For &gt;100 To 250, Add</i>	270.07	
50 89 85 41-0003 LF CALTRANS 414220 REPLACE JOINT SEAL (ASPHALT RUBBER).....	8.45	
50 89 85 41-0004 LF CALTRANS 414221 REPLACE JOINT SEAL (SILICONE).....	8.09	
50 89 85 41-0005 LF CALTRANS 414222 REPLACE JOINT SEAL (PREFORMED COMPRESSION, 7/16" TO 13/16").....	14.36	
50 89 85 41-0006 LF CALTRANS 414223 REPLACE JOINT SEAL (PREFORMED COMPRESSION, 1" TO 1-1/4").....	17.02	
50 89 85 41-0007 LF CALTRANS 414224 REPLACE JOINT SEAL (PREFORMED COMPRESSION, 1-5/8" TO 2").....	31.05	
50 89 85 41-0008 LF CALTRANS 414241 ISOLATION JOINT SEAL (SILICONE).....	11.92	
50 89 85 41-0009 LF CALTRANS 414242 ISOLATION JOINT SEAL (PREFORMED COMPRESSION).....	13.14	
50 89 85 41-0010 SY CALTRANS 416101 PAVEMENT TRANSITION TAPER.....	63.65	
<i>For Up To 100, Add</i>	24.16	
<i>For &gt;100 To 250, Add</i>	13.83	
<i>For &gt;250 To 500, Add</i>	6.92	
<i>For &gt;1,000 To 2,000, Deduct</i>	-1.75	
<i>For &gt;2,000 To 5,000, Deduct</i>	-3.35	
<i>For &gt;5,000 To 10,000, Deduct</i>	-4.94	
<i>For &gt;10,000 To 20,000, Deduct</i>	-6.53	
<i>For &gt;20,000, Deduct</i>	-8.12	
50 89 85 41-0011 CY CALTRANS 418002 REMOVE CONCRETE PAVEMENT AND BASE.....	46.75	
50 89 85 41-0012 SY CALTRANS 418005 REMOVE CONCRETE PAVEMENT (SQYD).....	23.57	
<i>For &gt;500 To 1,000, Deduct</i>	-2.36	
<i>For &gt;1,000 To 2,500, Deduct</i>	-4.24	
<i>For &gt;2,500 To 5,000, Deduct</i>	-6.13	
<i>For &gt;5,000 To 10,000, Deduct</i>	-8.01	
<i>For &gt;10,000, Deduct</i>	-9.90	
<b>50 89 85 42 GROOVE AND GRIND CONCRETE</b> <small>(50 89 85)</small>		
<i>Note: Includes grooving and grinding concrete roadway surfaces per CALTRAN Standard.</i>		
50 89 85 42-0001 SY CALTRANS 420102 GROOVE EXISTING CONCRETE PAVEMENT.....	1.78	
50 89 85 42-0002 SY CALTRANS 420104 GROOVE EXISTING BRIDGE DECK.....	2.69	
50 89 85 42-0003 SY CALTRANS 420201 GRIND EXISTING CONCRETE PAVEMENT.....	4.68	
<i>For Up To 2,500, Add</i>	3.51	
<i>For &gt;2,500 To 5,000, Add</i>	1.17	
<i>For &gt;10,000 To 25,000, Deduct</i>	-0.47	
<i>For &gt;25,000, Deduct</i>	-0.70	
50 89 85 42-0004 SY CALTRANS 420203 GRIND EXISTING BRIDGE DECK.....	29.53	
<i>For &gt;100 To 1,000, Deduct</i>	-14.77	
<i>For &gt;1,000, Deduct</i>	-22.15	
<b>50 89 86 CALTRANS DIVISION VI - STRUCTURES</b> <small>(50 89 86)</small>		
<b>50 89 86 47 EARTH RETAINING SYSTEMS</b> <small>(50 89 86)</small>		
50 89 86 47-0001 SF CALTRANS 475010 RETAINING WALL (MASONRY WALL).....	65.58	8.35
<i>For &gt;3:1 Sloped Soil At Top, Add</i>	4.16	
<b>50 89 86 56 OVERHEAD SIGN STRUCTURES, STANDARDS, AND POLES</b> <small>(50 89 86)</small>		
50 89 86 56-0001 SF CALTRANS 560248 FURNISH SINGLE SHEET ALUMINUM SIGN (0.063"-UNFRAMED).....	18.83	22.79
<b>50 89 86 60 EXISTING STRUCTURES</b> <small>(50 89 86)</small>		
50 89 86 60-0001 LF CALTRANS 600063 CORE CONCRETE (1").....	123.39	
<i>For Horizontal Cores, Add</i>	24.36	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	48.72	
50 89 86 60-0002 LF CALTRANS 600064 CORE CONCRETE (2").....	151.96	
<i>For Horizontal Cores, Add</i>	30.07	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	60.14	
50 89 86 60-0003 LF CALTRANS 600065 CORE CONCRETE (3").....	166.86	
<i>For Horizontal Cores, Add</i>	32.93	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	65.86	
50 89 86 60-0004 LF CALTRANS 600066 CORE CONCRETE (4").....	222.39	
<i>For Horizontal Cores, Add</i>	43.90	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	87.81	
50 89 86 60-0005 LF CALTRANS 600067 CORE CONCRETE (5").....	256.14	
<i>For Horizontal Cores, Add</i>	50.52	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	101.04	
50 89 86 60-0006 LF CALTRANS 600068 CORE CONCRETE (6").....	289.21	
<i>For Horizontal Cores, Add</i>	57.14	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	114.27	
50 89 86 60-0007 LF CALTRANS 600069 CORE CONCRETE (7").....	378.44	
<i>For Horizontal Cores, Add</i>	74.73	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	149.46	
50 89 86 60-0008 LF CALTRANS 600070 CORE CONCRETE (8").....	466.41	
<i>For Horizontal Cores, Add</i>	92.32	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	184.64	
50 89 86 60-0009 LF CALTRANS 600071 CORE CONCRETE (9").....	54.29	
<i>For Horizontal Cores, Add</i>	9.58	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	19.16	
50 89 86 60-0010 LF CALTRANS 600072 CORE CONCRETE (10").....	502.59	
<i>For Horizontal Cores, Add</i>	99.24	
<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	198.48	

**50 Custom Standards And Assemblies****50 89 CALTRANS Custom Standards And Assemblies****50 89 80 CALTRANS Construction Performance Requirements**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 86 60-0011 LF CALTRANS 600074 CORE CONCRETE (12").....	579.04	
For Horizontal Cores, Add	114.27	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	228.55	
50 89 86 60-0012 LF CALTRANS 600081 CORE CONCRETE (1 1/2").....	136.92	
For Horizontal Cores, Add	27.06	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	54.13	
50 89 86 60-0013 LF CALTRANS 600083 CORE CONCRETE (2 1/2").....	159.71	
For Horizontal Cores, Add	31.50	
For Overhead Ceiling Cores (Where Not Accessible From Above), Add	63.00	
<b>50 89 87 CALTRANS DIVISION VII - DRAINAGE FACILITIES (50 89 80)</b>		
<b>50 89 87 64 PLASTIC PIPE (50 89 87)</b>		
Note: Includes installing plastic pipe, excavation, backfill, compaction, connection of new pipe to new or existing facilities, reinforcement, concrete collars or tees, testing, and other connecting devices per CALTRANS Standard.		
50 89 87 64-0001 LF CALTRANS 641101 12" PLASTIC PIPE .....	67.67	
Note: Includes 0.37 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.89	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.32	
50 89 87 64-0002 LF CALTRANS 641104 15" PLASTIC PIPE .....	87.18	
Note: Includes 0.53 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.89	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.32	
50 89 87 64-0003 LF CALTRANS 641107 18" PLASTIC PIPE .....	115.69	
Note: Includes 0.64 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.89	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.32	
50 89 87 64-0004 LF CALTRANS 641110 21" PLASTIC PIPE .....	137.95	
Note: Includes 0.80 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.89	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.32	
50 89 87 64-0005 LF CALTRANS 641113 24" PLASTIC PIPE .....	164.43	
Note: Includes 0.89 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.89	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.32	
50 89 87 64-0006 LF CALTRANS 641119 30" PLASTIC PIPE .....	246.16	
Note: Includes 1.08 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.89	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.32	
50 89 87 64-0007 LF CALTRANS 641125 36" PLASTIC PIPE .....	299.90	
Note: Includes 1.30 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.89	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.32	
50 89 87 64-0008 LF CALTRANS 641128 42" PLASTIC PIPE .....	318.08	
Note: Includes 1.53 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.89	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.32	
50 89 87 64-0009 LF CALTRANS 641131 48" PLASTIC PIPE .....	387.36	
Note: Includes 1.78 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.89	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.32	
<b>50 89 87 65 CONCRETE PIPE (50 89 87)</b>		
Note: Includes installing concrete pipe, excavation, backfill, compaction, connection of new pipe to new or existing facilities, reinforcement, concrete collars or tees, testing, and other connecting devices per CALTRANS Standard.		
50 89 87 65-0001 LF CALTRANS 650010 12" REINFORCED CONCRETE PIPE.....	60.90	
Note: Includes 0.37 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-3.05	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.89	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.32	
50 89 87 65-0002 LF CALTRANS 650012 15" REINFORCED CONCRETE PIPE.....	75.74	
Note: Includes 0.53 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-3.79	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.89	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.32	
50 89 87 65-0003 LF CALTRANS 650014 18" REINFORCED CONCRETE PIPE.....	86.85	
Note: Includes 0.64 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-4.34	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.89	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.32	
50 89 87 65-0004 LF CALTRANS 650016 21" REINFORCED CONCRETE PIPE.....	111.83	
Note: Includes 0.80 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-5.59	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.89	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.32	
50 89 87 65-0005 LF CALTRANS 650018 24" REINFORCED CONCRETE PIPE.....	129.26	
Note: Includes 0.89 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-6.46	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.89	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.32	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 87 65-0006 LF CALTRANS 650019 27" REINFORCED CONCRETE PIPE.....	159.91	
Note: Includes 0.98 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-8.00	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.89	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.32	
50 89 87 65-0007 LF CALTRANS 650022 33" REINFORCED CONCRETE PIPE.....	170.96	
Note: Includes 1.08 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-8.55	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.89	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.32	
50 89 87 65-0008 LF CALTRANS 650024 33" REINFORCED CONCRETE PIPE.....	190.67	
Note: Includes 1.19 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-9.53	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.89	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.32	
50 89 87 65-0009 LF CALTRANS 650026 36" REINFORCED CONCRETE PIPE.....	210.19	
Note: Includes 1.30 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-10.51	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.89	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.32	
50 89 87 65-0010 LF CALTRANS 650030 42" REINFORCED CONCRETE PIPE.....	270.24	
Note: Includes 1.53 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-13.51	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.89	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.32	
50 89 87 65-0011 LF CALTRANS 650034 48" REINFORCED CONCRETE PIPE.....	323.92	
Note: Includes 1.78 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-16.20	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.89	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.32	
50 89 87 65-0012 LF CALTRANS 650038 54" REINFORCED CONCRETE PIPE.....	397.63	
Note: Includes 2.05 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-19.88	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.89	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.32	
50 89 87 65-0013 LF CALTRANS 650042 60" REINFORCED CONCRETE PIPE.....	476.71	
Note: Includes 2.33 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-23.84	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.89	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.32	
50 89 87 65-0014 LF CALTRANS 650046 66" REINFORCED CONCRETE PIPE.....	704.53	
Note: Includes 2.64 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-35.23	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.89	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.32	
50 89 87 65-0015 LF CALTRANS 650050 72" REINFORCED CONCRETE PIPE.....	817.28	
Note: Includes 2.96 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-40.86	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.89	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.32	
50 89 87 65-0016 LF CALTRANS 650054 78" REINFORCED CONCRETE PIPE.....	974.71	
Note: Includes 3.31 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-48.74	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.89	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.32	
50 89 87 65-0017 LF CALTRANS 650058 84" REINFORCED CONCRETE PIPE.....	1,238.09	
Note: Includes 3.67 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-61.90	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.89	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.32	
50 89 87 65-0018 LF CALTRANS 650065 96" REINFORCED CONCRETE PIPE.....	1,509.12	
Note: Includes 4.44 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-75.46	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.89	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.32	
50 89 87 65-0019 LF CALTRANS 650211 18" REINFORCED CONCRETE PIPE (CLASS II).....	85.04	
Note: Includes 0.64 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-4.25	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.89	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.32	
50 89 87 65-0020 LF CALTRANS 650220 30" REINFORCED CONCRETE PIPE (CLASS II).....	167.34	
Note: Includes 1.08 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-8.37	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.89	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.32	
50 89 87 65-0021 LF CALTRANS 650222 33" REINFORCED CONCRETE PIPE (CLASS II).....	186.40	
Note: Includes 1.19 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-9.32	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.89	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.32	
50 89 87 65-0022 LF CALTRANS 650224 36" REINFORCED CONCRETE PIPE (CLASS II).....	205.28	
Note: Includes 1.30 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-10.26	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.89	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.32	

**50 Custom Standards And Assemblies****50 89 CALTRANS Custom Standards And Assemblies****50 89 80 CALTRANS Construction Performance Requirements**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 87 65-0023 LF CALTRANS 650307 12" REINFORCED CONCRETE PIPE (CLASS III).....	60.90	
Note: Includes 0.37 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-3.05	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.89	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.32	
50 89 87 65-0024 LF CALTRANS 650309 15" REINFORCED CONCRETE PIPE (CLASS III).....	75.74	
Note: Includes 0.53 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-3.79	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.89	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.32	
50 89 87 65-0025 LF CALTRANS 650311 18" REINFORCED CONCRETE PIPE (CLASS III).....	86.85	
Note: Includes 0.64 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-4.34	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.89	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.32	
50 89 87 65-0026 LF CALTRANS 650316 24" REINFORCED CONCRETE PIPE (CLASS III).....	129.26	
Note: Includes 0.89 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-6.46	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.89	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.32	
50 89 87 65-0027 LF CALTRANS 650318 27" REINFORCED CONCRETE PIPE (CLASS III).....	159.91	
Note: Includes 0.98 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-8.00	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.89	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.32	
50 89 87 65-0028 LF CALTRANS 650320 30" REINFORCED CONCRETE PIPE (CLASS III).....	170.96	
Note: Includes 1.08 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-8.55	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.89	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.32	
50 89 87 65-0029 LF CALTRANS 650324 36" REINFORCED CONCRETE PIPE (CLASS III).....	210.19	
Note: Includes 1.30 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-10.51	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.89	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.32	
50 89 87 65-0030 LF CALTRANS 650328 42" REINFORCED CONCRETE PIPE (CLASS III).....	270.24	
Note: Includes 1.53 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-13.51	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.89	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.32	
50 89 87 65-0031 LF CALTRANS 650336 54" REINFORCED CONCRETE PIPE (CLASS III).....	397.63	
Note: Includes 2.05 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-19.88	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.89	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.32	
50 89 87 65-0032 LF CALTRANS 650407 12" REINFORCED CONCRETE PIPE (CLASS IV).....	63.45	
Note: Includes 0.37 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-3.17	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.89	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.32	
50 89 87 65-0033 LF CALTRANS 650409 15" REINFORCED CONCRETE PIPE (CLASS IV).....	79.00	
Note: Includes 0.53 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-3.95	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.89	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.32	
50 89 87 65-0034 LF CALTRANS 650411 18" REINFORCED CONCRETE PIPE (CLASS IV).....	90.28	
Note: Includes 0.64 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-4.51	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.89	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.32	
50 89 87 65-0035 LF CALTRANS 650416 24" REINFORCED CONCRETE PIPE (CLASS IV).....	134.30	
Note: Includes 0.89 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-6.72	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.89	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.32	
50 89 87 65-0036 LF CALTRANS 650420 30" REINFORCED CONCRETE PIPE (CLASS IV).....	177.85	
Note: Includes 1.08 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-8.89	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.89	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.32	
50 89 87 65-0037 LF CALTRANS 650424 36" REINFORCED CONCRETE PIPE (CLASS IV).....	219.53	
Note: Includes 1.30 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-10.98	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.89	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.32	
50 89 87 65-0038 LF CALTRANS 650432 48" REINFORCED CONCRETE PIPE (CLASS IV).....	340.68	
Note: Includes 1.78 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-17.03	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.89	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.32	
50 89 87 65-0039 LF CALTRANS 650436 54" REINFORCED CONCRETE PIPE (CLASS IV).....	419.39	
Note: Includes 2.05 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-20.97	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.89	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.32	



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50 89 87 65-0040 LF CALTRANS 650440 60" REINFORCED CONCRETE PIPE (CLASS IV) .....	503.47	
Note: Includes 2.33 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-25.17	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.89	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.32	
50 89 87 65-0041 LF CALTRANS 650507 12" REINFORCED CONCRETE PIPE (CLASS V) .....	66.26	
Note: Includes 0.37 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-3.31	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.89	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.32	
50 89 87 65-0042 LF CALTRANS 650511 18" REINFORCED CONCRETE PIPE (CLASS V) .....	94.07	
Note: Includes 0.64 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-4.70	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.89	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.32	
50 89 87 65-0043 LF CALTRANS 650516 24" REINFORCED CONCRETE PIPE (CLASS V) .....	139.87	
Note: Includes 0.89 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-6.99	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.89	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.32	
50 89 87 65-0044 LF CALTRANS 650520 30" REINFORCED CONCRETE PIPE (CLASS V) .....	170.96	
Note: Includes 1.08 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-8.55	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.89	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.32	
50 89 87 65-0045 LF CALTRANS 650524 36" REINFORCED CONCRETE PIPE (CLASS V) .....	229.85	
Note: Includes 1.30 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-11.49	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.89	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.32	
50 89 87 65-0046 LF CALTRANS 650528 42" REINFORCED CONCRETE PIPE (CLASS V) .....	270.24	
Note: Includes 1.53 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-13.51	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.89	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.32	
50 89 87 65-0047 LF CALTRANS 650536 54" REINFORCED CONCRETE PIPE (CLASS V) .....	443.44	
Note: Includes 2.05 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-22.17	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.89	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.32	
50 89 87 65-0048 LF CALTRANS 650540 60" REINFORCED CONCRETE PIPE (CLASS V) .....	476.71	
Note: Includes 2.33 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-23.84	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.89	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.32	
50 89 87 65-0049 LF CALTRANS 650548 72" REINFORCED CONCRETE PIPE (CLASS V) .....	817.28	
Note: Includes 2.96 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-40.86	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.89	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.32	
50 89 87 65-0050 LF CALTRANS 652207 12" REINFORCED CONCRETE PIPE (CLASS II, RUBBER GASKET JOINT) .....	61.44	
Note: Includes 0.37 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-3.07	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.89	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.32	
50 89 87 65-0051 LF CALTRANS 652215 24" REINFORCED CONCRETE PIPE (CLASS II, RUBBER GASKET JOINT) .....	130.32	
Note: Includes 0.89 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-6.52	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.89	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.32	
50 89 87 65-0052 LF CALTRANS 652307 12" REINFORCED CONCRETE PIPE (CLASS III, RUBBER GASKET JOINT) .....	62.91	
Note: Includes 0.37 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-3.15	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.89	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.32	
50 89 87 65-0053 LF CALTRANS 652311 18" REINFORCED CONCRETE PIPE (CLASS III, RUBBER GASKET JOINT) .....	89.56	
Note: Includes 0.64 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-4.48	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.89	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.32	
50 89 87 65-0054 LF CALTRANS 652314 21" REINFORCED CONCRETE PIPE (CLASS III, RUBBER GASKET JOINT) .....	115.35	
Note: Includes 0.80 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-5.77	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.89	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.32	
50 89 87 65-0055 LF CALTRANS 652316 24" REINFORCED CONCRETE PIPE (CLASS III, RUBBER GASKET JOINT) .....	133.24	
Note: Includes 0.89 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-6.66	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.89	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.32	
50 89 87 65-0056 LF CALTRANS 652320 30" REINFORCED CONCRETE PIPE (CLASS III, RUBBER GASKET JOINT) .....	176.40	
Note: Includes 1.08 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-8.82	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.89	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.32	

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50 89 87 65-0057 LF CALTRANS 652324 36" REINFORCED CONCRETE PIPE (CLASS III, RUBBER GASKET JOINT).....	217.57	
Note: Includes 1.30 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-10.88	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.89	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.32	
50 89 87 65-0058 LF CALTRANS 652328 42" REINFORCED CONCRETE PIPE (CLASS III, RUBBER GASKET JOINT).....	280.91	
Note: Includes 1.53 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-14.05	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.89	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.32	
50 89 87 65-0059 LF CALTRANS 652332 48" REINFORCED CONCRETE PIPE (CLASS III, RUBBER GASKET JOINT).....	337.15	
Note: Includes 1.78 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-16.86	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.89	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.32	
50 89 87 65-0060 LF CALTRANS 652348 72" REINFORCED CONCRETE PIPE (CLASS III, RUBBER GASKET JOINT).....	860.79	
Note: Includes 2.96 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-43.04	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.89	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.32	
50 89 87 65-0061 LF CALTRANS 652416 24" REINFORCED CONCRETE PIPE (CLASS IV, RUBBER GASKET JOINT).....	138.65	
Note: Includes 0.89 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-6.93	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.89	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.32	
50 89 87 65-0062 LF CALTRANS 652420 30" REINFORCED CONCRETE PIPE (CLASS IV, RUBBER GASKET JOINT).....	183.79	
Note: Includes 1.08 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-9.19	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.89	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.32	
50 89 87 65-0063 LF CALTRANS 652424 36" REINFORCED CONCRETE PIPE (CLASS IV, RUBBER GASKET JOINT).....	227.59	
Note: Includes 1.30 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-11.38	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.89	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.32	
50 89 87 65-0064 LF CALTRANS 652428 42" REINFORCED CONCRETE PIPE (CLASS IV, RUBBER GASKET JOINT).....	295.42	
Note: Includes 1.53 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-14.77	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.89	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.32	
50 89 87 65-0065 LF CALTRANS 652444 66" REINFORCED CONCRETE PIPE (CLASS IV, RUBBER GASKET JOINT).....	791.03	
Note: Includes 2.64 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-39.55	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.89	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.32	
50 89 87 65-0066 LF CALTRANS 654311 18" REINFORCED CONCRETE PRESSURE PIPE (CLASS III).....	146.02	
Note: Includes 0.64 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-7.30	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.89	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.32	
50 89 87 65-0067 LF CALTRANS 654316 24" REINFORCED CONCRETE PRESSURE PIPE (CLASS III).....	180.91	
Note: Includes 0.89 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-9.05	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.89	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.32	
50 89 87 65-0068 LF CALTRANS 654324 36" REINFORCED CONCRETE PRESSURE PIPE (CLASS III).....	241.22	
Note: Includes 1.30 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-12.06	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.89	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.32	
50 89 87 65-0069 LF CALTRANS 657213 24" X 38" OVAL SHAPED REINFORCED CONCRETE PIPE (CLASS II).....	252.80	
Note: Includes 1.08 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-12.64	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.89	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.32	
50 89 87 65-0070 LF CALTRANS 657329 34" X 53" OVAL SHAPED REINFORCED CONCRETE PIPE (CLASS III).....	432.97	
Note: Includes 1.78 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-21.65	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.89	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.32	
50 89 87 65-0071 LF CALTRANS 659108 18" NON-REINFORCED CONCRETE PIPE.....	79.63	
Note: Includes 0.64 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-3.98	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.89	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.32	
50 89 87 65-0072 LF CALTRANS 659109 24" NON-REINFORCED CONCRETE PIPE.....	118.64	
Note: Includes 0.89 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-5.93	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.89	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.32	
50 89 87 65-0073 LF CALTRANS 659110 30" NON-REINFORCED CONCRETE PIPE.....	156.47	
Note: Includes 1.08 CY of excavated material per LF of pipe.		
For >1,000, Deduct	-7.82	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.89	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.32	



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 87 65-0074	LF	CALTRANS 659111 36" NON-REINFORCED CONCRETE PIPE ..... Note: Includes 1.30 CY of excavated material per LF of pipe. <i>For &gt;1,000, Deduct</i> <i>For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe</i> <i>For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe</i>	190.54 -9.53 0.89 1.32	
<b>50 89 87 66</b>		<b>CORRUGATED METAL PIPE <sup>(50 89 87)</sup></b> Note: Includes installing corrugated metal pipe and pipe arches, excavation, backfill, compaction, connection of new pipe to new or existing facilities, reinforcement, concrete collars or tees, testing, and other connecting devices per CALTRAN Standard.		
50 89 87 66-0001	LF	CALTRANS 665002 6" CORRUGATED STEEL PIPE (.064" THICK) ..... Note: Includes 0.29 CY of excavated material per LF of pipe. <i>For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe</i> <i>For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe</i>	25.91 0.89 1.32	
50 89 87 66-0002	LF	CALTRANS 665003 6" CORRUGATED STEEL PIPE (.079" THICK) ..... Note: Includes 0.29 CY of excavated material per LF of pipe. <i>For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe</i> <i>For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe</i>	27.83 0.89 1.32	
50 89 87 66-0003	LF	CALTRANS 665005 8" CORRUGATED STEEL PIPE (.064" THICK) ..... Note: Includes 0.29 CY of excavated material per LF of pipe. <i>For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe</i> <i>For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe</i>	35.03 0.89 1.32	
50 89 87 66-0004	LF	CALTRANS 665006 8" CORRUGATED STEEL PIPE (.079" THICK) ..... Note: Includes 0.29 CY of excavated material per LF of pipe. <i>For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe</i> <i>For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe</i>	37.55 0.89 1.32	
50 89 87 66-0005	LF	CALTRANS 665008 10" CORRUGATED STEEL PIPE (.064" THICK) ..... Note: Includes 0.32 CY of excavated material per LF of pipe. <i>For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe</i> <i>For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe</i>	43.02 0.89 1.32	
50 89 87 66-0006	LF	CALTRANS 665009 10" CORRUGATED STEEL PIPE (.079" THICK) ..... Note: Includes 0.32 CY of excavated material per LF of pipe. <i>For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe</i> <i>For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe</i>	45.08 0.89 1.32	
50 89 87 66-0007	LF	CALTRANS 665011 12" CORRUGATED STEEL PIPE (.064" THICK) ..... Note: Includes 0.37 CY of excavated material per LF of pipe. <i>For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe</i> <i>For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe</i>	48.13 0.89 1.32	
50 89 87 66-0008	LF	CALTRANS 665012 12" CORRUGATED STEEL PIPE (.079" THICK) ..... Note: Includes 0.37 CY of excavated material per LF of pipe. <i>For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe</i> <i>For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe</i>	51.43 0.89 1.32	
50 89 87 66-0009	LF	CALTRANS 665013 15" CORRUGATED STEEL PIPE (.064" THICK) ..... Note: Includes 0.53 CY of excavated material per LF of pipe. <i>For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe</i> <i>For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe</i>	60.20 0.89 1.32	
50 89 87 66-0010	LF	CALTRANS 665014 15" CORRUGATED STEEL PIPE (.079" THICK) ..... Note: Includes 0.53 CY of excavated material per LF of pipe. <i>For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe</i> <i>For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe</i>	64.26 0.89 1.32	
50 89 87 66-0011	LF	CALTRANS 665015 15" CORRUGATED STEEL PIPE (.109" THICK) ..... Note: Includes 0.53 CY of excavated material per LF of pipe. <i>For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe</i> <i>For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe</i>	72.62 0.89 1.32	
50 89 87 66-0012	LF	CALTRANS 665016 18" CORRUGATED STEEL PIPE (.064" THICK) ..... Note: Includes 0.64 CY of excavated material per LF of pipe. <i>For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe</i> <i>For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe</i>	70.15 0.89 1.32	
50 89 87 66-0013	LF	CALTRANS 665017 18" CORRUGATED STEEL PIPE (.079" THICK) ..... Note: Includes 0.64 CY of excavated material per LF of pipe. <i>For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe</i> <i>For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe</i>	75.05 0.89 1.32	
50 89 87 66-0014	LF	CALTRANS 665018 18" CORRUGATED STEEL PIPE (.109" THICK) ..... Note: Includes 0.64 CY of excavated material per LF of pipe. <i>For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe</i> <i>For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe</i>	85.19 0.89 1.32	
50 89 87 66-0015	LF	CALTRANS 665019 21" CORRUGATED STEEL PIPE (.064" THICK) ..... Note: Includes 0.80 CY of excavated material per LF of pipe. <i>For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe</i> <i>For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe</i>	83.39 0.89 1.32	
50 89 87 66-0016	LF	CALTRANS 665020 21" CORRUGATED STEEL PIPE (.079" THICK) ..... Note: Includes 0.80 CY of excavated material per LF of pipe. <i>For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe</i> <i>For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe</i>	89.06 0.89 1.32	
50 89 87 66-0017	LF	CALTRANS 665021 21" CORRUGATED STEEL PIPE (.109" THICK) ..... Note: Includes 0.80 CY of excavated material per LF of pipe. <i>For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe</i> <i>For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe</i>	100.85 0.89 1.32	
50 89 87 66-0018	LF	CALTRANS 665022 24" CORRUGATED STEEL PIPE (.064" THICK) ..... Note: Includes 0.89 CY of excavated material per LF of pipe. <i>For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe</i> <i>For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe</i>	92.25 0.89 1.32	

**50 Custom Standards And Assemblies****50 89 CALTRANS Custom Standards And Assemblies****50 89 80 CALTRANS Construction Performance Requirements**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 87 66-0019 LF CALTRANS 665023 24" CORRUGATED STEEL PIPE (.079" THICK) .....99.07 Note: Includes 0.89 CY of excavated material per LF of pipe. For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	0.89 1.32	
50 89 87 66-0020 LF CALTRANS 665024 24" CORRUGATED STEEL PIPE (.109" THICK) .....112.50 Note: Includes 0.89 CY of excavated material per LF of pipe. For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	0.89 1.32	
50 89 87 66-0021 LF CALTRANS 665025 24" CORRUGATED STEEL PIPE (.138" THICK) .....123.79 Note: Includes 0.89 CY of excavated material per LF of pipe. For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	0.89 1.32	
50 89 87 66-0022 LF CALTRANS 665026 27" CORRUGATED STEEL PIPE (.064" THICK) .....106.13 Note: Includes 0.98 CY of excavated material per LF of pipe. For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	0.89 1.32	
50 89 87 66-0023 LF CALTRANS 665027 27" CORRUGATED STEEL PIPE (.079" THICK) .....113.67 Note: Includes 0.98 CY of excavated material per LF of pipe. For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	0.89 1.32	
50 89 87 66-0024 LF CALTRANS 665030 30" CORRUGATED STEEL PIPE (.064" THICK) .....122.73 Note: Includes 1.08 CY of excavated material per LF of pipe. For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	0.89 1.32	
50 89 87 66-0025 LF CALTRANS 665031 30" CORRUGATED STEEL PIPE (.079" THICK) .....130.77 Note: Includes 1.08 CY of excavated material per LF of pipe. For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	0.89 1.32	
50 89 87 66-0026 LF CALTRANS 665032 30" CORRUGATED STEEL PIPE (.109" THICK) .....147.38 Note: Includes 1.08 CY of excavated material per LF of pipe. For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	0.89 1.32	
50 89 87 66-0027 LF CALTRANS 665033 30" CORRUGATED STEEL PIPE (.138" THICK) .....161.73 Note: Includes 1.08 CY of excavated material per LF of pipe. For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	0.89 1.32	
50 89 87 66-0028 LF CALTRANS 665035 36" CORRUGATED STEEL PIPE (.064" THICK) .....161.24 Note: Includes 1.30 CY of excavated material per LF of pipe. For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	0.89 1.32	
50 89 87 66-0029 LF CALTRANS 665036 36" CORRUGATED STEEL PIPE (.079" THICK) .....171.00 Note: Includes 1.30 CY of excavated material per LF of pipe. For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	0.89 1.32	
50 89 87 66-0030 LF CALTRANS 665037 36" CORRUGATED STEEL PIPE (.109" THICK) .....190.71 Note: Includes 1.30 CY of excavated material per LF of pipe. For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	0.89 1.32	
50 89 87 66-0031 LF CALTRANS 665038 36" CORRUGATED STEEL PIPE (.138" THICK) .....209.16 Note: Includes 1.30 CY of excavated material per LF of pipe. For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	0.89 1.32	
50 89 87 66-0032 LF CALTRANS 665039 36" CORRUGATED STEEL PIPE (.168" THICK) .....230.96 Note: Includes 1.30 CY of excavated material per LF of pipe. For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	0.89 1.32	
50 89 87 66-0033 LF CALTRANS 665040 42" CORRUGATED STEEL PIPE (.064" THICK) .....187.84 Note: Includes 1.53 CY of excavated material per LF of pipe. For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	0.89 1.32	
50 89 87 66-0034 LF CALTRANS 665041 42" CORRUGATED STEEL PIPE (.079" THICK) .....199.02 Note: Includes 1.53 CY of excavated material per LF of pipe. For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	0.89 1.32	
50 89 87 66-0035 LF CALTRANS 665042 42" CORRUGATED STEEL PIPE (.109" THICK) .....221.79 Note: Includes 1.53 CY of excavated material per LF of pipe. For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	0.89 1.32	
50 89 87 66-0036 LF CALTRANS 665043 42" CORRUGATED STEEL PIPE (.138" THICK) .....243.38 Note: Includes 1.53 CY of excavated material per LF of pipe. For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	0.89 1.32	
50 89 87 66-0037 LF CALTRANS 665045 48" CORRUGATED STEEL PIPE (.064" THICK) .....214.46 Note: Includes 1.78 CY of excavated material per LF of pipe. For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	0.89 1.32	
50 89 87 66-0038 LF CALTRANS 665046 48" CORRUGATED STEEL PIPE (.079" THICK) .....227.24 Note: Includes 1.78 CY of excavated material per LF of pipe. For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	0.89 1.32	
50 89 87 66-0039 LF CALTRANS 665047 48" CORRUGATED STEEL PIPE (.109" THICK) .....253.35 Note: Includes 1.78 CY of excavated material per LF of pipe. For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	0.89 1.32	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 87 66-0040 LF CALTRANS 665048 48" CORRUGATED STEEL PIPE (.138" THICK) .....	277.85	
Note: Includes 1.78 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.89	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.32	
50 89 87 66-0041 LF CALTRANS 665049 48" CORRUGATED STEEL PIPE (.168" THICK) .....	306.71	
Note: Includes 1.78 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.89	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.32	
50 89 87 66-0042 LF CALTRANS 665050 54" CORRUGATED STEEL PIPE (.079" THICK) .....	275.86	
Note: Includes 2.05 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.89	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.32	
50 89 87 66-0043 LF CALTRANS 665051 54" CORRUGATED STEEL PIPE (.109" THICK) .....	304.69	
Note: Includes 2.05 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.89	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.32	
50 89 87 66-0044 LF CALTRANS 665052 54" CORRUGATED STEEL PIPE (.138" THICK) .....	332.13	
Note: Includes 2.05 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.89	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.32	
50 89 87 66-0045 LF CALTRANS 665053 54" CORRUGATED STEEL PIPE (.168" THICK) .....	366.32	
Note: Includes 2.05 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.89	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.32	
50 89 87 66-0046 LF CALTRANS 665055 60" CORRUGATED STEEL PIPE (.109" THICK) .....	351.25	
Note: Includes 2.33 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.89	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.32	
50 89 87 66-0047 LF CALTRANS 665056 60" CORRUGATED STEEL PIPE (.138" THICK) .....	381.79	
Note: Includes 2.33 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.89	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.32	
50 89 87 66-0048 LF CALTRANS 665057 60" CORRUGATED STEEL PIPE (.168" THICK) .....	419.34	
Note: Includes 2.33 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.89	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.32	
50 89 87 66-0049 LF CALTRANS 665058 66" CORRUGATED STEEL PIPE (.109" THICK) .....	420.25	
Note: Includes 2.64 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.89	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.32	
50 89 87 66-0050 LF CALTRANS 665059 66" CORRUGATED STEEL PIPE (.138" THICK) .....	453.82	
Note: Includes 2.64 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.89	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.32	
50 89 87 66-0051 LF CALTRANS 665061 72" CORRUGATED STEEL PIPE (.109" THICK) .....	561.42	
Note: Includes 2.96 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.89	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.32	
50 89 87 66-0052 LF CALTRANS 665062 72" CORRUGATED STEEL PIPE (.138" THICK) .....	609.00	
Note: Includes 2.96 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.89	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.32	
50 89 87 66-0053 LF CALTRANS 665064 78" CORRUGATED STEEL PIPE (.138" THICK) .....	658.99	
Note: Includes 3.31 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.89	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.32	
50 89 87 66-0054 LF CALTRANS 665066 84" CORRUGATED STEEL PIPE (.138" THICK) .....	706.12	
Note: Includes 3.67 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.89	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.32	
50 89 87 66-0055 LF CALTRANS 665067 84" CORRUGATED STEEL PIPE (.168" THICK) .....	777.63	
Note: Includes 3.67 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.89	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.32	
50 89 87 66-0056 LF CALTRANS 665068 90" CORRUGATED STEEL PIPE (.138" THICK) .....	757.86	
Note: Includes 4.05 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.89	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.32	
50 89 87 66-0057 LF CALTRANS 665070 96" CORRUGATED STEEL PIPE (.168" THICK) .....	807.01	
Note: Includes 4.44 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.89	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.32	
50 89 87 66-0058 LF CALTRANS 665075 18" CORRUGATED STEEL PIPE (.138" THICK) .....	93.61	
Note: Includes 0.64 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.89	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.32	
50 89 87 66-0059 LF CALTRANS 665094 18" BITUMINOUS COATED CORRUGATED STEEL PIPE (.138" THICK) .....	101.53	
Note: Includes 0.64 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.89	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.32	
50 89 87 66-0060 LF CALTRANS 665103 6" BITUMINOUS COATED CORRUGATED STEEL PIPE (.079" THICK) .....	29.97	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.89	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.32	
50 89 87 66-0061 LF CALTRANS 665105 8" BITUMINOUS COATED CORRUGATED STEEL PIPE (.064" THICK) .....	37.84	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.89	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.32	





**50 Custom Standards And Assemblies****50 89 CALTRANS Custom Standards And Assemblies****50 89 80 CALTRANS Construction Performance Requirements**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 87 66-0105 LF CALTRANS 665158 66" BITUMINOUS COATED CORRUGATED STEEL PIPE (.109" THICK).....449.25 Note: Includes 2.64 CY of excavated material per LF of pipe. For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe 0.89 For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe 1.32		
50 89 87 66-0106 LF CALTRANS 665159 66" BITUMINOUS COATED CORRUGATED STEEL PIPE (.138" THICK).....488.53 Note: Includes 2.64 CY of excavated material per LF of pipe. For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe 0.89 For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe 1.32		
50 89 87 66-0107 LF CALTRANS 665160 66" BITUMINOUS COATED CORRUGATED STEEL PIPE (.168" THICK).....542.63 Note: Includes 2.64 CY of excavated material per LF of pipe. For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe 0.89 For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe 1.32		
50 89 87 66-0108 LF CALTRANS 665161 72" BITUMINOUS COATED CORRUGATED STEEL PIPE (.109" THICK).....608.89 Note: Includes 2.96 CY of excavated material per LF of pipe. For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe 0.89 For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe 1.32		
50 89 87 66-0109 LF CALTRANS 665162 72" BITUMINOUS COATED CORRUGATED STEEL PIPE (.138" THICK).....665.98 Note: Includes 2.96 CY of excavated material per LF of pipe. For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe 0.89 For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe 1.32		
50 89 87 66-0110 LF CALTRANS 665163 72" BITUMINOUS COATED CORRUGATED STEEL PIPE (.168" THICK).....731.51 Note: Includes 2.96 CY of excavated material per LF of pipe. For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe 0.89 For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe 1.32		
50 89 87 66-0111 LF CALTRANS 665164 78" BITUMINOUS COATED CORRUGATED STEEL PIPE (.138" THICK).....718.81 Note: Includes 3.31 CY of excavated material per LF of pipe. For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe 0.89 For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe 1.32		
50 89 87 66-0112 LF CALTRANS 665165 78" BITUMINOUS COATED CORRUGATED STEEL PIPE (.168" THICK).....789.91 Note: Includes 3.31 CY of excavated material per LF of pipe. For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe 0.89 For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe 1.32		
50 89 87 66-0113 LF CALTRANS 665166 84" BITUMINOUS COATED CORRUGATED STEEL PIPE (.138" THICK).....771.13 Note: Includes 3.67 CY of excavated material per LF of pipe. For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe 0.89 For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe 1.32		
50 89 87 66-0114 LF CALTRANS 665167 84" BITUMINOUS COATED CORRUGATED STEEL PIPE (.168" THICK).....856.93 Note: Includes 3.67 CY of excavated material per LF of pipe. For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe 0.89 For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe 1.32		
50 89 87 66-0115 LF CALTRANS 665168 90" BITUMINOUS COATED CORRUGATED STEEL PIPE (.138" THICK).....826.86 Note: Includes 4.05 CY of excavated material per LF of pipe. For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe 0.89 For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe 1.32		
50 89 87 66-0116 LF CALTRANS 665180 24" BITUMINOUS COATED CORRUGATED STEEL PIPE (.168" THICK).....153.69 Note: Includes 0.89 CY of excavated material per LF of pipe. For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe 0.89 For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe 1.32		
50 89 87 66-0117 LF CALTRANS 665223 24" BITUMINOUS COATED PAVED INVERT CORRUGATED STEEL PIPE (.079" THICK).....116.79 Note: Includes 0.89 CY of excavated material per LF of pipe. For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe 0.89 For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe 1.32		
50 89 87 66-0118 LF CALTRANS 665224 24" BITUMINOUS COATED PAVED INVERT CORRUGATED STEEL PIPE (.109" THICK).....128.25 Note: Includes 0.89 CY of excavated material per LF of pipe. For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe 0.89 For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe 1.32		
50 89 87 66-0119 LF CALTRANS 665237 36" BITUMINOUS COATED PAVED INVERT CORRUGATED STEEL PIPE (.109" THICK).....215.47 Note: Includes 1.30 CY of excavated material per LF of pipe. For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe 0.89 For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe 1.32		
50 89 87 66-0120 LF CALTRANS 665323 24" BITUMINOUS LINED CORRUGATED STEEL PIPE (.079" THICK).....106.72 Note: Includes 0.89 CY of excavated material per LF of pipe. For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe 0.89 For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe 1.32		
50 89 87 66-0121 LF CALTRANS 665334 30" BITUMINOUS LINED CORRUGATED STEEL PIPE (.168" THICK).....199.76 Note: Includes 1.08 CY of excavated material per LF of pipe. For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe 0.89 For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe 1.32		
50 89 87 66-0122 LF CALTRANS 665336 36" BITUMINOUS LINED CORRUGATED STEEL PIPE (.079" THICK).....183.31 Note: Includes 1.30 CY of excavated material per LF of pipe. For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe 0.89 For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe 1.32		
50 89 87 66-0123 LF CALTRANS 665711 12" SLOTTED CORRUGATED STEEL PIPE (.064" THICK).....57.23 Note: Includes 0.37 CY of excavated material per LF of pipe. For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe 0.89 For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe 1.32		
50 89 87 66-0124 LF CALTRANS 665712 12" SLOTTED CORRUGATED STEEL PIPE (.079" THICK).....61.37 Note: Includes 0.37 CY of excavated material per LF of pipe. For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe 0.89 For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe 1.32		
50 89 87 66-0125 LF CALTRANS 665713 12" SLOTTED CORRUGATED STEEL PIPE (.109" THICK).....74.27 Note: Includes 0.37 CY of excavated material per LF of pipe. For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe 0.89 For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe 1.32		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 87 66-0126 LF CALTRANS 665716 18" SLOTTED CORRUGATED STEEL PIPE (.064" THICK).....	102.75	
Note: Includes 0.64 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.89	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.32	
50 89 87 66-0127 LF CALTRANS 665717 18" SLOTTED CORRUGATED STEEL PIPE (.079" THICK).....	112.24	
Note: Includes 0.64 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.89	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.32	
50 89 87 66-0128 LF CALTRANS 665718 18" SLOTTED CORRUGATED STEEL PIPE (.168" THICK).....	193.48	
Note: Includes 0.64 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.89	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.32	
50 89 87 66-0129 LF CALTRANS 665722 24" SLOTTED CORRUGATED STEEL PIPE (.064" THICK).....	110.69	
Note: Includes 0.89 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.89	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.32	
50 89 87 66-0130 LF CALTRANS 665723 24" SLOTTED CORRUGATED STEEL PIPE (.079" THICK).....	119.10	
Note: Includes 0.89 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.89	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.32	
50 89 87 66-0131 LF CALTRANS 665811 12" BITUMINOUS COATED SLOTTED CORRUGATED STEEL PIPE (.064" THICK).....	63.12	
Note: Includes 0.37 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.89	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.32	
50 89 87 66-0132 LF CALTRANS 665812 12" BITUMINOUS COATED SLOTTED CORRUGATED STEEL PIPE (.079" THICK).....	68.25	
Note: Includes 0.37 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.89	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.32	
50 89 87 66-0133 LF CALTRANS 665816 18" BITUMINOUS COATED SLOTTED CORRUGATED STEEL PIPE (.064" THICK).....	116.25	
Note: Includes 0.64 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.89	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.32	
50 89 87 66-0134 LF CALTRANS 665817 18" BITUMINOUS COATED SLOTTED CORRUGATED STEEL PIPE (.079" THICK).....	128.03	
Note: Includes 0.64 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.89	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.32	
50 89 87 66-0135 LF CALTRANS 665818 18" BITUMINOUS COATED SLOTTED CORRUGATED STEEL PIPE (.109" THICK).....	164.83	
Note: Includes 0.64 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.89	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.32	
50 89 87 66-0136 LF CALTRANS 665820 18" BITUMINOUS COATED SLOTTED CORRUGATED STEEL PIPE (.138" THICK).....	193.66	
Note: Includes 0.64 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.89	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.32	
50 89 87 66-0137 LF CALTRANS 665822 24" BITUMINOUS COATED SLOTTED CORRUGATED STEEL PIPE (.079" THICK).....	133.08	
Note: Includes 0.89 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.89	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.32	
50 89 87 66-0138 LF CALTRANS 665828 18" BITUMINOUS COATED SLOTTED CORRUGATED STEEL PIPE (.168" THICK).....	228.94	
Note: Includes 0.64 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.89	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.32	
50 89 87 66-0139 LF CALTRANS 667001 17" X 13" CORRUGATED STEEL PIPE ARCH (.079" THICK).....	67.10	
Note: Includes 0.53 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.89	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.32	
50 89 87 66-0140 LF CALTRANS 667005 21" X 15" CORRUGATED STEEL PIPE ARCH (.079" THICK).....	81.88	
Note: Includes 0.64 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.89	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.32	
50 89 87 66-0141 LF CALTRANS 667006 21" X 15" CORRUGATED STEEL PIPE ARCH (.109" THICK).....	91.94	
Note: Includes 0.64 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.89	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.32	
50 89 87 66-0142 LF CALTRANS 667009 24" X 18" CORRUGATED STEEL PIPE ARCH (.079" THICK).....	96.53	
Note: Includes 0.80 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.89	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.32	
50 89 87 66-0143 LF CALTRANS 667010 24" X 18" CORRUGATED STEEL PIPE ARCH (.109" THICK).....	108.40	
Note: Includes 0.80 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.89	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.32	
50 89 87 66-0144 LF CALTRANS 667013 28" X 20" CORRUGATED STEEL PIPE ARCH (.079" THICK).....	101.29	
Note: Includes 0.89 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.89	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.32	
50 89 87 66-0145 LF CALTRANS 667014 28" X 20" CORRUGATED STEEL PIPE ARCH (.109" THICK).....	121.40	
Note: Includes 0.89 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.89	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.32	
50 89 87 66-0146 LF CALTRANS 667015 28" X 20" CORRUGATED STEEL PIPE ARCH (.138" THICK).....	133.16	
Note: Includes 0.89 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.89	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.32	

**50 Custom Standards And Assemblies**  
**50 89 CALTRANS Custom Standards And Assemblies**  
**50 89 80 CALTRANS Construction Performance Requirements**



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 87 66-0147 LF CALTRANS 667018 35" X 24" CORRUGATED STEEL PIPE ARCH (.079" THICK).....	141.93	
Note: Includes 1.08 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.89	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.32	
50 89 87 66-0148 LF CALTRANS 667019 35" X 24" CORRUGATED STEEL PIPE ARCH (.109" THICK).....	158.51	
Note: Includes 1.08 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.89	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.32	
50 89 87 66-0149 LF CALTRANS 667020 35" X 24" CORRUGATED STEEL PIPE ARCH (.138" THICK).....	173.32	
Note: Includes 1.08 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.89	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.32	
50 89 87 66-0150 LF CALTRANS 667023 42" X 29" CORRUGATED STEEL PIPE ARCH (.079" THICK).....	174.71	
Note: Includes 1.30 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.89	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.32	
50 89 87 66-0151 LF CALTRANS 667024 42" X 29" CORRUGATED STEEL PIPE ARCH (.109" THICK).....	194.31	
Note: Includes 1.30 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.89	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.32	
50 89 87 66-0152 LF CALTRANS 667025 42" X 29" CORRUGATED STEEL PIPE ARCH (.138" THICK).....	212.76	
Note: Includes 1.30 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.89	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.32	
50 89 87 66-0153 LF CALTRANS 667028 49" X 33" CORRUGATED STEEL PIPE ARCH (.079" THICK).....	204.30	
Note: Includes 1.53 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.89	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.32	
50 89 87 66-0154 LF CALTRANS 667029 49" X 33" CORRUGATED STEEL PIPE ARCH (.109" THICK).....	226.92	
Note: Includes 1.53 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.89	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.32	
50 89 87 66-0155 LF CALTRANS 667030 49" X 33" CORRUGATED STEEL PIPE ARCH (.138" THICK).....	248.43	
Note: Includes 1.53 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.89	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.32	
50 89 87 66-0156 LF CALTRANS 667033 57" X 38" CORRUGATED STEEL PIPE ARCH (.079" THICK).....	244.70	
Note: Includes 1.78 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.89	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.32	
50 89 87 66-0157 LF CALTRANS 667034 57" X 38" CORRUGATED STEEL PIPE ARCH (.109" THICK).....	264.79	
Note: Includes 1.78 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.89	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.32	
50 89 87 66-0158 LF CALTRANS 667035 57" X 38" CORRUGATED STEEL PIPE ARCH (.138" THICK).....	289.18	
Note: Includes 1.78 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.89	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.32	
50 89 87 66-0159 LF CALTRANS 667037 64" X 43" CORRUGATED STEEL PIPE ARCH (.079" THICK).....	285.03	
Note: Includes 2.05 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.89	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.32	
50 89 87 66-0160 LF CALTRANS 667038 64" X 43" CORRUGATED STEEL PIPE ARCH (.109" THICK).....	307.21	
Note: Includes 2.05 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.89	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.32	
50 89 87 66-0161 LF CALTRANS 667041 71" X 47" CORRUGATED STEEL PIPE ARCH (.109" THICK).....	356.86	
Note: Includes 2.33 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.89	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.32	
50 89 87 66-0162 LF CALTRANS 667042 71" X 47" CORRUGATED STEEL PIPE ARCH (.138" THICK).....	384.62	
Note: Includes 2.33 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.89	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.32	
50 89 87 66-0163 LF CALTRANS 667048 83" X 57" CORRUGATED STEEL PIPE ARCH (.138" THICK).....	582.19	
Note: Includes 2.64 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.89	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.32	
50 89 87 66-0164 LF CALTRANS 667114 28" X 20" BITUMINOUS COATED CORRUGATED STEEL PIPE ARCH (.109" THICK) .....	130.65	
Note: Includes 0.89 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.89	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.32	
50 89 87 66-0165 LF CALTRANS 667326 42" X 29" BITUMINOUS COATED CORRUGATED STEEL PIPE ARCH (.168" THICK) .....	256.51	
Note: Includes 1.30 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.89	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.32	
50 89 87 66-0166 LF CALTRANS 669012 12" CORRUGATED STEEL PIPE CONDUIT (.079" THICK) .....	51.43	
Note: Includes 0.37 CY of excavated material per LF of pipe.		
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.89	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.32	
50 89 87 66-0167 LF CALTRANS 669016 18" CORRUGATED STEEL PIPE CONDUIT (.064" THICK) .....	70.15	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.89	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.32	
50 89 87 66-0168 LF CALTRANS 669017 18" CORRUGATED STEEL PIPE CONDUIT (.079" THICK) .....	75.05	
For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	0.89	
For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	1.32	



	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 87 66-0169	LF CALTRANS 669018 18" CORRUGATED STEEL PIPE CONDUIT (.109" THICK).....	85.19		
	<i>For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe</i>		0.89	
	<i>For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe</i>		1.32	
50 89 87 66-0170	LF CALTRANS 669055 8" BITUMINOUS COATED CORRUGATED STEEL PIPE CONDUIT (.064" THICK).....	37.84		
	<i>For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe</i>		0.89	
	<i>For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe</i>		1.32	
50 89 87 66-0171	LF CALTRANS 669072 24" BITUMINOUS COATED CORRUGATED STEEL PIPE CONDUIT (.079" THICK).....	106.72		
	Note: Includes 0.89 CY of excavated material per LF of pipe.			
	<i>For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe</i>		0.89	
	<i>For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe</i>		1.32	
<b>50 89 87 67</b>	<b>STRUCTURAL PLATE CULVERTS <small>(50 89 87)</small></b>			
	Note: Includes structural metal plate pipe, arches and pipe arches, excavation, backfill, compaction, connection of new pipe to new or existing facilities, testing, and other connecting devices per CALTRAN Standard.			
50 89 87 67-0001	LF CALTRANS 670602 90" STRUCTURAL STEEL PLATE PIPE (.138" THICK).....	923.60		
	Note: Includes 4.05 CY of excavated material per LF of pipe.			
	<i>For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe</i>		0.89	
	<i>For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe</i>		1.32	
50 89 87 67-0002	LF CALTRANS 670901 108" STRUCTURAL STEEL PLATE PIPE (.109" THICK).....	1,008.12		
	Note: Includes 5.30 CY of excavated material per LF of pipe.			
	<i>For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe</i>		0.89	
	<i>For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe</i>		1.32	
50 89 87 67-0003	LF CALTRANS 671101 120" STRUCTURAL STEEL PLATE PIPE (.109" THICK).....	1,118.47		
	Note: Includes 6.22 CY of excavated material per LF of pipe.			
	<i>For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe</i>		0.89	
	<i>For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe</i>		1.32	
50 89 87 67-0004	LF CALTRANS 674351 11'-10" X 7'-7" STRUCTURAL STEEL PLATE PIPE ARCH (.109" THICK).....	1,284.08		
	Note: Includes 0.32 CY of excavated material per LF of pipe.			
	<i>For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe</i>		0.89	
	<i>For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe</i>		1.32	
<b>50 89 87 68</b>	<b>SUBSURFACE DRAINS <small>(50 89 87)</small></b>			
	Note: Includes subsurface drains, excavation, backfill and compaction per CALTRAN Standard.			
50 89 87 68-0001	LF CALTRANS 680402 6" PERFORATED STEEL PIPE UNDERDRAIN (.064" THICK).....	31.26		
	<i>For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe</i>		0.89	
	<i>For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe</i>		1.32	
50 89 87 68-0002	LF CALTRANS 680405 8" PERFORATED STEEL PIPE UNDERDRAIN (.064" THICK).....	42.11		
	<i>For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe</i>		0.89	
	<i>For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe</i>		1.32	
50 89 87 68-0003	LF CALTRANS 680406 8" PERFORATED STEEL PIPE UNDERDRAIN (.079" THICK).....	46.19		
	<i>For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe</i>		0.89	
	<i>For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe</i>		1.32	
50 89 87 68-0004	LF CALTRANS 680411 12" PERFORATED STEEL PIPE UNDERDRAIN (.064" THICK).....	59.08		
	Note: Includes 0.37 CY of excavated material per LF of pipe.			
	<i>For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe</i>		0.89	
	<i>For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe</i>		1.32	
50 89 87 68-0005	LF CALTRANS 680412 12" PERFORATED STEEL PIPE UNDERDRAIN (.079" THICK).....	64.43		
	Note: Includes 0.37 CY of excavated material per LF of pipe.			
	<i>For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe</i>		0.89	
	<i>For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe</i>		1.32	
50 89 87 68-0006	LF CALTRANS 680436 8" BITUMINOUS COATED PERFORATED STEEL PIPE UNDERDRAIN (.079" THICK).....	50.76		
	<i>For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe</i>		0.89	
	<i>For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe</i>		1.32	
<b>50 89 87 69</b>	<b>OVERSIDE DRAINS <small>(50 89 87)</small></b>			
	Note: Includes constructing overside drains, excavation, backfill, compaction and anchors per CALTRAN Standard.			
50 89 87 69-0001	LF CALTRANS 690103 6" CORRUGATED STEEL PIPE DOWNDRAIN (.079" THICK).....	27.25		
50 89 87 69-0002	LF CALTRANS 690105 8" CORRUGATED STEEL PIPE DOWNDRAIN (.064" THICK).....	34.07		
50 89 87 69-0003	LF CALTRANS 690106 8" CORRUGATED STEEL PIPE DOWNDRAIN (.079" THICK).....	36.59		
50 89 87 69-0004	LF CALTRANS 690107 10" CORRUGATED STEEL PIPE DOWNDRAIN.....	43.74		
50 89 87 69-0005	LF CALTRANS 690111 12" CORRUGATED STEEL PIPE DOWNDRAIN (.064" THICK).....	46.53		
50 89 87 69-0006	LF CALTRANS 690112 12" CORRUGATED STEEL PIPE DOWNDRAIN (.079" THICK).....	49.83		
50 89 87 69-0007	LF CALTRANS 690114 15" CORRUGATED STEEL PIPE DOWNDRAIN (.079" THICK).....	62.09		
50 89 87 69-0008	LF CALTRANS 690115 15" CORRUGATED STEEL PIPE DOWNDRAIN (.109" THICK).....	70.45		
50 89 87 69-0009	LF CALTRANS 690116 18" CORRUGATED STEEL PIPE DOWNDRAIN (.064" THICK).....	67.65		
50 89 87 69-0010	LF CALTRANS 690117 18" CORRUGATED STEEL PIPE DOWNDRAIN (.079" THICK).....	72.54		
50 89 87 69-0011	LF CALTRANS 690118 18" CORRUGATED STEEL PIPE DOWNDRAIN (.109" THICK).....	82.69		
50 89 87 69-0012	LF CALTRANS 690122 24" CORRUGATED STEEL PIPE DOWNDRAIN (.064" THICK).....	87.75		
50 89 87 69-0013	LF CALTRANS 690123 24" CORRUGATED STEEL PIPE DOWNDRAIN (.079" THICK).....	94.33		
50 89 87 69-0014	LF CALTRANS 690124 24" CORRUGATED STEEL PIPE DOWNDRAIN (.109" THICK).....	107.77		
50 89 87 69-0015	LF CALTRANS 690125 24" CORRUGATED STEEL PIPE DOWNDRAIN (.138" THICK).....	119.05		
50 89 87 69-0016	LF CALTRANS 690131 30" CORRUGATED STEEL PIPE DOWNDRAIN (.079" THICK).....	125.44		
50 89 87 69-0017	LF CALTRANS 690132 30" CORRUGATED STEEL PIPE DOWNDRAIN (.109" THICK).....	142.07		
50 89 87 69-0018	LF CALTRANS 690134 30" CORRUGATED STEEL PIPE DOWNDRAIN (.138" THICK).....	156.42		
50 89 87 69-0019	LF CALTRANS 690136 36" CORRUGATED STEEL PIPE DOWNDRAIN (.079" THICK).....	165.04		
50 89 87 69-0020	LF CALTRANS 690137 36" CORRUGATED STEEL PIPE DOWNDRAIN (.109" THICK).....	184.75		
50 89 87 69-0021	LF CALTRANS 690138 36" CORRUGATED STEEL PIPE DOWNDRAIN (.138" THICK).....	203.20		
50 89 87 69-0022	LF CALTRANS 690142 42" CORRUGATED STEEL PIPE DOWNDRAIN (.109" THICK).....	213.08		
50 89 87 69-0023	LF CALTRANS 690147 48" CORRUGATED STEEL PIPE DOWNDRAIN (.109" THICK).....	241.51		
50 89 87 69-0024	LF CALTRANS 690148 48" CORRUGATED STEEL PIPE DOWNDRAIN (.138" THICK).....	266.01		
50 89 87 69-0025	LF CALTRANS 690150 54" CORRUGATED STEEL PIPE DOWNDRAIN (.109" THICK).....	291.82		

**50 Custom Standards And Assemblies****50 89 CALTRANS Custom Standards And Assemblies****50 89 80 CALTRANS Construction Performance Requirements**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

50 89 87 69-0026	LF	CALTRANS 690205 8" BITUMINOUS COATED CORRUGATED STEEL PIPE DOWNDRAIN (.064" THICK).....	36.88	
50 89 87 69-0027	LF	CALTRANS 690206 8" BITUMINOUS COATED CORRUGATED STEEL PIPE DOWNDRAIN (.079" THICK).....	39.42	
50 89 87 69-0028	LF	CALTRANS 690211 12" BITUMINOUS COATED CORRUGATED STEEL PIPE DOWNDRAIN (.064" THICK).....	50.27	
50 89 87 69-0029	LF	CALTRANS 690212 12" BITUMINOUS COATED CORRUGATED STEEL PIPE DOWNDRAIN (.079" THICK).....	53.57	
50 89 87 69-0030	LF	CALTRANS 690216 18" BITUMINOUS COATED CORRUGATED STEEL PIPE DOWNDRAIN (.064" THICK).....	73.27	
50 89 87 69-0031	LF	CALTRANS 690217 18" BITUMINOUS COATED CORRUGATED STEEL PIPE DOWNDRAIN (.079" THICK).....	78.23	
50 89 87 69-0032	LF	CALTRANS 690218 18" BITUMINOUS COATED CORRUGATED STEEL PIPE DOWNDRAIN (.109" THICK).....	89.20	
50 89 87 69-0033	LF	CALTRANS 690222 24" BITUMINOUS COATED CORRUGATED STEEL PIPE DOWNDRAIN (.064" THICK).....	95.32	
50 89 87 69-0034	LF	CALTRANS 690223 24" BITUMINOUS COATED CORRUGATED STEEL PIPE DOWNDRAIN (.079" THICK).....	101.98	
50 89 87 69-0035	LF	CALTRANS 690224 24" BITUMINOUS COATED CORRUGATED STEEL PIPE DOWNDRAIN (.109" THICK).....	116.49	
50 89 87 69-0036	LF	CALTRANS 690225 24" BITUMINOUS COATED CORRUGATED STEEL PIPE DOWNDRAIN (.138" THICK).....	129.67	
50 89 87 69-0037	LF	CALTRANS 690231 30" BITUMINOUS COATED CORRUGATED STEEL PIPE DOWNDRAIN (.079" THICK).....	135.26	
50 89 87 69-0038	LF	CALTRANS 690232 30" BITUMINOUS COATED CORRUGATED STEEL PIPE DOWNDRAIN (.109" THICK).....	153.16	
50 89 87 69-0039	LF	CALTRANS 690235 36" BITUMINOUS COATED CORRUGATED STEEL PIPE DOWNDRAIN (.064" THICK).....	167.66	
50 89 87 69-0040	LF	CALTRANS 690237 36" BITUMINOUS COATED CORRUGATED STEEL PIPE DOWNDRAIN (.109" THICK).....	198.46	
50 89 87 69-0041	LF	CALTRANS 690238 36" BITUMINOUS COATED CORRUGATED STEEL PIPE DOWNDRAIN (.138" THICK).....	220.64	
50 89 87 69-0042	LF	CALTRANS 690242 42" BITUMINOUS COATED CORRUGATED STEEL PIPE DOWNDRAIN (.109" THICK).....	229.14	
50 89 87 69-0043	LF	CALTRANS 690247 48" BITUMINOUS COATED CORRUGATED STEEL PIPE DOWNDRAIN (.109" THICK).....	259.65	
50 89 87 69-0044	LF	CALTRANS 690253 30" BITUMINOUS COATED CORRUGATED STEEL PIPE DOWNDRAIN (.138" THICK).....	169.92	
50 89 87 69-0045	LF	CALTRANS 690260 12" BITUMINOUS COATED CORRUGATED STEEL PIPE DOWNDRAIN (.138" THICK).....	67.76	
50 89 87 69-0046	LF	CALTRANS 690263 18" BITUMINOUS COATED CORRUGATED STEEL PIPE DOWNDRAIN (.138" THICK).....	99.15	
50 89 87 69-0047	LF	CALTRANS 690318 18" BITUMINOUS COATED PAVED INVERT CORRUGATED STEEL PIPE DOWNDRAIN (.109" THICK).....	94.44	
50 89 87 69-0048	LF	CALTRANS 690324 24" BITUMINOUS COATED PAVED INVERT CORRUGATED STEEL PIPE DOWNDRAIN (.109" THICK).....	123.52	
50 89 87 69-0049	LF	CALTRANS 690341 42" BITUMINOUS COATED PAVED INVERT CORRUGATED STEEL PIPE DOWNDRAIN (.079" THICK).....	204.79	
50 89 87 69-0050	LF	CALTRANS 690351 54" BITUMINOUS COATED PAVED INVERT CORRUGATED STEEL PIPE DOWNDRAIN (.109" THICK).....	331.11	
50 89 87 69-0051	LF	CALTRANS 690960 12" PLASTIC PIPE DOWNDRAIN.....	66.08	
50 89 87 69-0052	LF	CALTRANS 690964 18" PLASTIC PIPE DOWNDRAIN.....	113.19	
50 89 87 69-0053	EA	CALTRANS 692303 8" ANCHOR ASSEMBLY.....	594.69	
50 89 87 69-0054	EA	CALTRANS 692305 12" ANCHOR ASSEMBLY.....	740.40	
50 89 87 69-0055	EA	CALTRANS 692306 15" ANCHOR ASSEMBLY.....	829.22	
50 89 87 69-0056	EA	CALTRANS 692307 18" ANCHOR ASSEMBLY.....	924.47	
50 89 87 69-0057	EA	CALTRANS 692309 24" ANCHOR ASSEMBLY.....	1,134.68	
50 89 87 69-0058	EA	CALTRANS 692311 30" ANCHOR ASSEMBLY.....	1,360.29	
50 89 87 69-0059	EA	CALTRANS 692313 36" ANCHOR ASSEMBLY.....	1,586.06	
50 89 87 69-0060	EA	CALTRANS 692319 54" ANCHOR ASSEMBLY.....	2,265.54	

**50 89 87 70 MISCELLANEOUS DRAINAGE FACILITIES (50 89 87)**

50 89 87 70-0001	LF	CALTRANS 700637 36" CORRUGATED STEEL PIPE INLET (.064" THICK).....	171.00	
50 89 87 70-0002	LF	CALTRANS 700638 36" CORRUGATED STEEL PIPE INLET (.079" THICK).....	171.00	
50 89 87 70-0003	LF	CALTRANS 700639 36" CORRUGATED STEEL PIPE INLET (.109" THICK).....	190.71	
50 89 87 70-0004	LF	CALTRANS 700640 36" CORRUGATED STEEL PIPE INLET (.138" THICK).....	209.16	
50 89 87 70-0005	LF	CALTRANS 700641 36" CORRUGATED STEEL PIPE INLET (.168" THICK).....	250.78	
50 89 87 70-0006	LF	CALTRANS 700655 48" CORRUGATED STEEL PIPE INLET (.109" THICK).....	253.35	
50 89 87 70-0007	LF	CALTRANS 700656 48" CORRUGATED STEEL PIPE INLET (.138" THICK).....	277.85	
50 89 87 70-0008	LF	CALTRANS 700837 36" BITUMINOUS COATED CORRUGATED STEEL PIPE INLET (.064" THICK).....	173.62	
50 89 87 70-0009	LF	CALTRANS 700838 36" BITUMINOUS COATED CORRUGATED STEEL PIPE INLET (.079" THICK).....	182.16	
50 89 87 70-0010	LF	CALTRANS 700839 36" BITUMINOUS COATED CORRUGATED STEEL PIPE INLET (.109" THICK).....	204.42	
50 89 87 70-0011	LF	CALTRANS 700840 36" BITUMINOUS COATED CORRUGATED STEEL PIPE INLET (.138" THICK).....	226.60	
50 89 87 70-0012	LF	CALTRANS 700854 48" BITUMINOUS COATED CORRUGATED STEEL PIPE INLET (.079" THICK).....	271.49	
50 89 87 70-0013	LF	CALTRANS 703516 8" WELDED STEEL PIPE (.188" THICK).....	119.37	26.83
		<i>For &gt;1,000, Deduct</i>	-5.97	
50 89 87 70-0014	LF	CALTRANS 703525 10" WELDED STEEL PIPE (.250" THICK).....	170.19	29.26
		<i>For &gt;1,000, Deduct</i>	-8.51	
50 89 87 70-0015	LF	CALTRANS 703533 12" WELDED STEEL PIPE (.250" THICK).....	194.05	30.66
		<i>For &gt;1,000, Deduct</i>	-9.70	
50 89 87 70-0016	LF	CALTRANS 703555 18" WELDED STEEL PIPE (.250" THICK).....	276.51	40.24
		<i>For &gt;1,000, Deduct</i>	-13.83	
50 89 87 70-0017	LF	CALTRANS 703557 18" WELDED STEEL PIPE (.375" THICK).....	367.36	69.30
		<i>For &gt;1,000, Deduct</i>	-18.37	
50 89 87 70-0018	LF	CALTRANS 703564 20" WELDED STEEL PIPE (.375" THICK).....	403.35	69.30
		<i>For &gt;1,000, Deduct</i>	-20.17	
50 89 87 70-0019	LF	CALTRANS 703575 24" WELDED STEEL PIPE (.250" THICK).....	435.11	79.97
		<i>For &gt;1,000, Deduct</i>	-21.76	
50 89 87 70-0020	LF	CALTRANS 703576 24" WELDED STEEL PIPE (.375" THICK).....	516.41	79.97
		<i>For &gt;1,000, Deduct</i>	-25.82	
50 89 87 70-0021	LF	CALTRANS 703598 30" WELDED STEEL PIPE (.250" THICK).....	505.48	93.30
		<i>For &gt;1,000, Deduct</i>	-25.27	
50 89 87 70-0022	LF	CALTRANS 703600 30" WELDED STEEL PIPE (.375" THICK).....	599.57	93.30
		<i>For &gt;1,000, Deduct</i>	-29.98	
50 89 87 70-0023	LF	CALTRANS 703618 36" WELDED STEEL PIPE (.250" THICK).....	673.67	111.95
		<i>For &gt;1,000, Deduct</i>	-33.68	
50 89 87 70-0024	LF	CALTRANS 703620 36" WELDED STEEL PIPE (.375" THICK).....	803.50	111.95
		<i>For &gt;1,000, Deduct</i>	-40.18	
50 89 87 70-0025	LF	CALTRANS 703644 42" WELDED STEEL PIPE (.250" THICK).....	1,395.52	125.28
		<i>For &gt;1,000, Deduct</i>	-69.78	
50 89 87 70-0026	LF	CALTRANS 703646 42" WELDED STEEL PIPE (.375" THICK).....	1,395.52	125.28
		<i>For &gt;1,000, Deduct</i>	-69.78	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 87 70-0027 LF CALTRANS 703656 48" WELDED STEEL PIPE (.375" THICK) .....	1,602.91	141.28
For >1,000, Deduct	-80.15	
50 89 87 70-0028 LF CALTRANS 703755 8" COATED WELDED STEEL PIPE (.188" THICK) .....	134.45	26.83
For >1,000, Deduct	-6.72	
50 89 87 70-0029 LF CALTRANS 703757 10" COATED WELDED STEEL PIPE (.250" THICK) .....	186.99	29.26
For >1,000, Deduct	-9.35	
50 89 87 70-0030 LF CALTRANS 703760 12" COATED WELDED STEEL PIPE (.250" THICK) .....	194.05	30.66
For >1,000, Deduct	-9.70	
50 89 87 70-0031 LF CALTRANS 703762 18" COATED WELDED STEEL PIPE (.250" THICK) .....	304.97	40.24
For >1,000, Deduct	-15.25	
50 89 87 70-0032 LF CALTRANS 703763 18" COATED WELDED STEEL PIPE (.375" THICK) .....	395.82	69.30
For >1,000, Deduct	-19.79	
50 89 87 70-0033 LF CALTRANS 703764 20" COATED WELDED STEEL PIPE (.375" THICK) .....	434.98	69.30
For >1,000, Deduct	-21.75	
50 89 87 70-0034 LF CALTRANS 703765 24" COATED WELDED STEEL PIPE (.250" THICK) .....	452.73	79.97
For >1,000, Deduct	-22.64	
50 89 87 70-0035 LF CALTRANS 703767 30" COATED WELDED STEEL PIPE (.250" THICK) .....	552.91	93.30
For >1,000, Deduct	-27.65	
50 89 87 70-0036 LF CALTRANS 703768 30" COATED WELDED STEEL PIPE (.375" THICK) .....	646.99	93.30
For >1,000, Deduct	-32.35	
50 89 87 70-0037 LF CALTRANS 703769 36" COATED WELDED STEEL PIPE (.250" THICK) .....	730.58	111.95
For >1,000, Deduct	-36.53	
50 89 87 70-0038 LF CALTRANS 703769 36" COATED WELDED STEEL PIPE (.375" THICK) .....	860.41	111.95
For >1,000, Deduct	-43.02	
50 89 87 70-0039 LF CALTRANS 703771 42" COATED WELDED STEEL PIPE (.250" THICK) .....	1,420.62	125.28
For >1,000, Deduct	-71.03	
50 89 87 70-0040 LF CALTRANS 703772 42" COATED WELDED STEEL PIPE (.375" THICK) .....	1,420.62	125.28
For >1,000, Deduct	-71.03	
50 89 87 70-0041 LF CALTRANS 703773 48" COATED WELDED STEEL PIPE (.375" THICK) .....	1,631.60	141.28
For >1,000, Deduct	-81.58	
50 89 87 70-0042 EA CALTRANS 705007 12" STEEL FLARED END SECTION .....	411.91	66.02
50 89 87 70-0043 EA CALTRANS 705009 15" STEEL FLARED END SECTION .....	476.39	70.74
50 89 87 70-0044 EA CALTRANS 705011 18" STEEL FLARED END SECTION .....	569.37	75.45
50 89 87 70-0045 EA CALTRANS 705013 21" STEEL FLARED END SECTION .....	706.38	82.53
50 89 87 70-0046 EA CALTRANS 705015 24" STEEL FLARED END SECTION .....	921.51	89.61
50 89 87 70-0047 EA CALTRANS 705016 27" STEEL FLARED END SECTION .....	1,148.60	89.61
50 89 87 70-0048 EA CALTRANS 705019 30" STEEL FLARED END SECTION .....	1,380.41	101.40
50 89 87 70-0049 EA CALTRANS 705023 36" STEEL FLARED END SECTION .....	2,342.48	122.14
50 89 87 70-0050 EA CALTRANS 705027 42" STEEL FLARED END SECTION .....	2,993.64	142.50
50 89 87 70-0051 EA CALTRANS 705031 48" STEEL FLARED END SECTION .....	4,274.84	162.85
50 89 87 70-0052 EA CALTRANS 705035 54" STEEL FLARED END SECTION .....	4,744.41	203.56
50 89 87 70-0053 EA CALTRANS 705037 60" STEEL FLARED END SECTION .....	6,380.43	244.29
50 89 87 70-0054 EA CALTRANS 705039 66" STEEL FLARED END SECTION .....	7,213.26	366.42
50 89 87 70-0055 EA CALTRANS 705041 72" STEEL FLARED END SECTION .....	8,423.02	488.56
50 89 87 70-0056 EA CALTRANS 705057 12" BITUMINOUS COATED STEEL FLARED END SECTION .....	477.93	66.02
50 89 87 70-0057 EA CALTRANS 705059 15" BITUMINOUS COATED STEEL FLARED END SECTION .....	555.20	70.74
50 89 87 70-0058 EA CALTRANS 705061 18" BITUMINOUS COATED STEEL FLARED END SECTION .....	663.23	75.45
50 89 87 70-0059 EA CALTRANS 705063 21" BITUMINOUS COATED STEEL FLARED END SECTION .....	833.11	82.53
50 89 87 70-0060 EA CALTRANS 705065 24" BITUMINOUS COATED STEEL FLARED END SECTION .....	1,096.25	89.61
50 89 87 70-0061 EA CALTRANS 705067 27" BITUMINOUS COATED STEEL FLARED END SECTION .....	1,375.37	89.61
50 89 87 70-0062 EA CALTRANS 705069 30" BITUMINOUS COATED STEEL FLARED END SECTION .....	1,659.20	101.40
50 89 87 70-0063 EA CALTRANS 705073 36" BITUMINOUS COATED STEEL FLARED END SECTION .....	2,840.36	122.14
50 89 87 70-0064 EA CALTRANS 705077 42" BITUMINOUS COATED STEEL FLARED END SECTION .....	3,635.37	142.50
50 89 87 70-0065 EA CALTRANS 705081 48" BITUMINOUS COATED STEEL FLARED END SECTION .....	5,211.25	162.85
50 89 87 70-0066 EA CALTRANS 705084 54" BITUMINOUS COATED STEEL FLARED END SECTION .....	5,769.94	203.56
50 89 87 70-0067 EA CALTRANS 705201 12" CONCRETE FLARED END SECTION .....	838.85	118.58
50 89 87 70-0068 EA CALTRANS 705202 15" CONCRETE FLARED END SECTION .....	1,011.05	147.79
50 89 87 70-0069 EA CALTRANS 705204 18" CONCRETE FLARED END SECTION .....	1,227.13	187.07
50 89 87 70-0070 EA CALTRANS 705205 21" CONCRETE FLARED END SECTION .....	1,407.10	223.72
50 89 87 70-0071 EA CALTRANS 705206 24" CONCRETE FLARED END SECTION .....	1,714.75	258.94
50 89 87 70-0072 EA CALTRANS 705207 27" CONCRETE FLARED END SECTION .....	2,067.39	413.54
50 89 87 70-0073 EA CALTRANS 705208 30" CONCRETE FLARED END SECTION .....	2,153.30	569.38
50 89 87 70-0074 EA CALTRANS 705210 36" CONCRETE FLARED END SECTION .....	2,910.65	718.59
50 89 87 70-0075 EA CALTRANS 705212 42" CONCRETE FLARED END SECTION .....	3,499.66	901.60
50 89 87 70-0076 EA CALTRANS 705214 48" CONCRETE FLARED END SECTION .....	3,797.24	1,016.82
50 89 87 70-0077 EA CALTRANS 705216 54" CONCRETE FLARED END SECTION .....	4,258.43	1,138.86
50 89 87 70-0078 EA CALTRANS 705217 60" CONCRETE FLARED END SECTION .....	4,716.18	1,138.86
50 89 87 70-0079 EA CALTRANS 705403 21" X 15" STEEL FLARED END PIPE ARCH SECTION .....	601.65	75.45
50 89 87 70-0080 EA CALTRANS 705405 24" X 18" STEEL FLARED END PIPE ARCH SECTION .....	658.47	82.53
50 89 87 70-0081 EA CALTRANS 705407 28" X 20" STEEL FLARED END PIPE ARCH SECTION .....	710.31	89.61
50 89 87 70-0082 EA CALTRANS 705409 35" X 24" STEEL FLARED END PIPE ARCH SECTION .....	1,063.61	101.40
50 89 87 70-0083 EA CALTRANS 705411 42" X 29" STEEL FLARED END PIPE ARCH SECTION .....	2,021.28	122.14
50 89 87 70-0084 EA CALTRANS 705413 49" X 33" STEEL FLARED END PIPE ARCH SECTION .....	2,706.90	142.50
50 89 87 70-0085 EA CALTRANS 705415 57" X 38" STEEL FLARED END PIPE ARCH SECTION .....	4,163.17	162.85
50 89 87 70-0086 EA CALTRANS 705417 64" X 43" STEEL FLARED END PIPE ARCH SECTION .....	4,774.72	203.56
50 89 87 70-0087 EA CALTRANS 705419 71" X 47" STEEL FLARED END PIPE ARCH SECTION .....	5,764.75	244.29

**50 89 87 71 EXISTING DRAINAGE FACILITIES (50 89 87)**

Note: For work on culverts, inlets, headwalls, endwalls, aprons, drains, pipes, gutters, gutter depressions, junction structures, spillways, and check dams. Includes cleaning and preparing, inspecting and evaluating, repairing, rehabilitating, and reinspecting culverts, drain pipes, conduit, risers, downdrains, median drainage inlets, and underdrains per CALTRANS Standard.

**50 Custom Standards And Assemblies****50 89 CALTRANS Custom Standards And Assemblies****50 89 80 CALTRANS Construction Performance Requirements**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 87 71-0001 EA CALTRANS 710208 ADJUST FRAME AND COVER TO GRADE .....	416.52	
50 89 87 71-0002 LF CALTRANS 710360 CLEANING, INSPECTING, AND PREPARING CULVERT (LF) .....	52.10	
For >250 To 500, Deduct	-2.31	
For >500 To 1,000, Deduct	-4.61	
For >1,000 To 2,000, Deduct	-6.92	
For >2,000 To 5,000, Deduct	-9.22	
For >5,000, Deduct	-11.53	
50 89 87 71-0003 CY CALTRANS 710368 CULVERT SLURRY-CEMENT BACKFILL .....	254.23	
50 89 87 71-0004 CY CALTRANS 710370 SAND BACKFILL .....	57.63	
For Up To 10, Add	15.54	
For >10 To 25, Add	5.76	
50 89 87 71-0005 LF CALTRANS 710372 8" CURED-IN-PLACE PIPELINER .....	80.32	
For >10 To 25, Add	56.46	
For >25 To 50, Add	37.09	
For >50 To 100, Add	18.54	
For >500 To 1,000, Deduct	-2.50	
For >1,000 To 2,000, Deduct	-4.59	
For >2,000 To 5,000, Deduct	-7.08	
For >5,000, Deduct	-11.27	
50 89 87 71-0006 LF CALTRANS 710374 10" CURED-IN-PLACE PIPELINER .....	113.97	
For >10 To 25, Add	68.07	
For >25 To 50, Add	45.66	
For >50 To 100, Add	22.83	
For >500 To 1,000, Deduct	-3.25	
For >1,000 To 2,000, Deduct	-6.05	
For >2,000 To 5,000, Deduct	-9.30	
For >5,000, Deduct	-14.92	
50 89 87 71-0007 LF CALTRANS 710376 12" CURED-IN-PLACE PIPELINER .....	135.76	
For >10 To 25, Add	77.59	
For >25 To 50, Add	52.37	
For >50 To 100, Add	26.19	
For >500 To 1,000, Deduct	-3.78	
For >1,000 To 2,000, Deduct	-7.08	
For >2,000 To 5,000, Deduct	-10.86	
For >5,000, Deduct	-17.46	
50 89 87 71-0008 LF CALTRANS 710378 15" CURED-IN-PLACE PIPELINER .....	215.52	
For >10 To 25, Add	103.36	
For >25 To 50, Add	71.69	
For >50 To 100, Add	35.85	
For >500 To 1,000, Deduct	-5.52	
For >1,000 To 2,000, Deduct	-10.49	
For >2,000 To 5,000, Deduct	-16.01	
For >5,000, Deduct	-25.95	
50 89 87 71-0009 LF CALTRANS 710380 18" CURED-IN-PLACE PIPELINER .....	258.33	
For >10 To 25, Add	120.45	
For >25 To 50, Add	83.95	
For >50 To 100, Add	41.97	
For >500 To 1,000, Deduct	-6.53	
For >1,000 To 2,000, Deduct	-12.44	
For >2,000 To 5,000, Deduct	-18.98	
For >5,000, Deduct	-30.80	
50 89 87 71-0010 LF CALTRANS 710382 21" CURED-IN-PLACE PIPELINER .....	333.67	
For >10 To 25, Add	143.94	
For >25 To 50, Add	101.70	
For >50 To 100, Add	50.85	
For >500 To 1,000, Deduct	-8.15	
For >1,000 To 2,000, Deduct	-15.63	
For >2,000 To 5,000, Deduct	-23.79	
For >5,000, Deduct	-38.75	
50 89 87 71-0011 LF CALTRANS 710384 24" CURED-IN-PLACE PIPELINER .....	419.18	
For >10 To 25, Add	170.86	
For >25 To 50, Add	122.00	
For >50 To 100, Add	61.00	
For >500 To 1,000, Deduct	-10.00	
For >1,000 To 2,000, Deduct	-19.26	
For >2,000 To 5,000, Deduct	-29.26	
For >5,000, Deduct	-47.79	
50 89 87 71-0012 LF CALTRANS 710386 27" CURED-IN-PLACE PIPELINER .....	559.40	
For >10 To 25, Add	216.40	
For >25 To 50, Add	156.11	
For >50 To 100, Add	78.05	
For >500 To 1,000, Deduct	-13.06	
For >1,000 To 2,000, Deduct	-25.27	
For >2,000 To 5,000, Deduct	-38.33	
For >5,000, Deduct	-62.74	
50 89 87 71-0013 LF CALTRANS 710388 30" CURED-IN-PLACE PIPELINER .....	623.09	
For >10 To 25, Add	240.76	
For >25 To 50, Add	173.72	
For >50 To 100, Add	86.86	
For >500 To 1,000, Deduct	-14.54	
For >1,000 To 2,000, Deduct	-28.13	
For >2,000 To 5,000, Deduct	-42.67	
For >5,000, Deduct	-69.86	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 87 71-0014 LF CALTRANS 710390 36" CURED-IN-PLACE PIPELINER .....	747.65	
<i>For &gt;10 To 25, Add</i>	282.38	
<i>For &gt;25 To 50, Add</i>	204.69	
<i>For &gt;50 To 100, Add</i>	102.34	
<i>For &gt;500 To 1,000, Deduct</i>	-17.29	
<i>For &gt;1,000 To 2,000, Deduct</i>	-33.51	
<i>For &gt;2,000 To 5,000, Deduct</i>	-50.80	
<i>For &gt;5,000, Deduct</i>	-83.25	
50 89 87 71-0015 LF CALTRANS 710392 42" CURED-IN-PLACE PIPELINER .....	873.63	
<i>For &gt;10 To 25, Add</i>	327.53	
<i>For &gt;25 To 50, Add</i>	237.78	
<i>For &gt;50 To 100, Add</i>	118.89	
<i>For &gt;500 To 1,000, Deduct</i>	-20.14	
<i>For &gt;1,000 To 2,000, Deduct</i>	-39.07	
<i>For &gt;2,000 To 5,000, Deduct</i>	-59.21	
<i>For &gt;5,000, Deduct</i>	-97.06	
50 89 87 71-0016 LF CALTRANS 710394 48" CURED-IN-PLACE PIPELINER .....	1,001.67	
<i>For &gt;10 To 25, Add</i>	377.88	
<i>For &gt;25 To 50, Add</i>	273.98	
<i>For &gt;50 To 100, Add</i>	136.99	
<i>For &gt;500 To 1,000, Deduct</i>	-23.15	
<i>For &gt;1,000 To 2,000, Deduct</i>	-44.88	
<i>For &gt;2,000 To 5,000, Deduct</i>	-68.03	
<i>For &gt;5,000, Deduct</i>	-111.50	
50 89 87 71-0017 LF CALTRANS 710396 54" CURED-IN-PLACE PIPELINER .....	1,310.92	
<i>For &gt;10 To 25, Add</i>	488.09	
<i>For &gt;25 To 50, Add</i>	354.84	
<i>For &gt;50 To 100, Add</i>	177.42	
<i>For &gt;500 To 1,000, Deduct</i>	-30.14	
<i>For &gt;1,000 To 2,000, Deduct</i>	-58.49	
<i>For &gt;2,000 To 5,000, Deduct</i>	-88.63	
<i>For &gt;5,000, Deduct</i>	-145.35	
50 89 87 71-0018 LF CALTRANS 710398 60" CURED-IN-PLACE PIPELINER .....	1,670.72	
<i>For &gt;10 To 25, Add</i>	636.52	
<i>For &gt;25 To 50, Add</i>	460.58	
<i>For &gt;50 To 100, Add</i>	230.29	
<i>For &gt;500 To 1,000, Deduct</i>	-38.76	
<i>For &gt;1,000 To 2,000, Deduct</i>	-75.10	
<i>For &gt;2,000 To 5,000, Deduct</i>	-113.86	
<i>For &gt;5,000, Deduct</i>	-186.52	
50 89 87 71-0019 LF CALTRANS 710400 18" DEFORMED/RE-FORMED HDPE PIPELINER .....	329.01	
<i>For &gt;500 To 1,000, Deduct</i>	-1.49	
<i>For &gt;1,000 To 2,000, Deduct</i>	-2.99	
<i>For &gt;2,000, Deduct</i>	-5.97	
50 89 87 71-0020 LF CALTRANS 710402 21" DEFORMED/RE-FORMED HDPE PIPELINER .....	372.67	
<i>For &gt;500 To 1,000, Deduct</i>	-1.62	
<i>For &gt;1,000 To 2,000, Deduct</i>	-3.23	
<i>For &gt;2,000, Deduct</i>	-6.47	
50 89 87 71-0021 LF CALTRANS 710404 24" DEFORMED/RE-FORMED HDPE PIPELINER .....	456.14	
<i>For &gt;500 To 1,000, Deduct</i>	-1.76	
<i>For &gt;1,000 To 2,000, Deduct</i>	-3.53	
<i>For &gt;2,000, Deduct</i>	-7.06	
50 89 87 71-0022 LF CALTRANS 710434 12" MACHINE SPIRAL WOUND PVC PIPELINER (EXPANDABLE DIAMETER) .....	30.75	
50 89 87 71-0023 LF CALTRANS 710436 15" MACHINE SPIRAL WOUND PVC PIPELINER (EXPANDABLE DIAMETER) .....	46.27	
50 89 87 71-0024 LF CALTRANS 710438 18" MACHINE SPIRAL WOUND PVC PIPELINER (EXPANDABLE DIAMETER) .....	62.37	
50 89 87 71-0025 LF CALTRANS 710440 21" MACHINE SPIRAL WOUND PVC PIPELINER (EXPANDABLE DIAMETER) .....	77.41	
50 89 87 71-0026 LF CALTRANS 710442 24" MACHINE SPIRAL WOUND PVC PIPELINER (EXPANDABLE DIAMETER) .....	101.60	
50 89 87 71-0027 LF CALTRANS 710444 27" MACHINE SPIRAL WOUND PVC PIPELINER (EXPANDABLE DIAMETER) .....	122.01	
50 89 87 71-0028 LF CALTRANS 710446 30" MACHINE SPIRAL WOUND PVC PIPELINER (EXPANDABLE DIAMETER) .....	139.72	
50 89 87 71-0029 LF CALTRANS 710448 12" CEMENTITIOUS PIPELINER .....	70.27	
50 89 87 71-0030 LF CALTRANS 710450 15" CEMENTITIOUS PIPELINER .....	80.29	
50 89 87 71-0031 LF CALTRANS 710452 18" CEMENTITIOUS PIPELINER .....	86.15	
50 89 87 71-0032 LF CALTRANS 710454 21" CEMENTITIOUS PIPELINER .....	92.92	
50 89 87 71-0033 LF CALTRANS 710456 24" CEMENTITIOUS PIPELINER .....	99.50	
50 89 87 71-0034 LF CALTRANS 710458 27" CEMENTITIOUS PIPELINER .....	105.00	
50 89 87 71-0035 LF CALTRANS 710460 30" CEMENTITIOUS PIPELINER .....	110.31	
50 89 87 71-0036 LF CALTRANS 710462 36" CEMENTITIOUS PIPELINER .....	104.42	
50 89 87 71-0037 LF CALTRANS 710478 36" WELDED STEEL PIPELINER .....	709.02	
50 89 87 71-0038 LF CALTRANS 710480 42" WELDED STEEL PIPELINER .....	818.11	
50 89 87 71-0039 LF CALTRANS 710482 48" WELDED STEEL PIPELINER .....	930.23	
50 89 87 71-0040 LF CALTRANS 710484 54" WELDED STEEL PIPELINER .....	1,135.68	
50 89 87 71-0041 LF CALTRANS 710486 60" WELDED STEEL PIPELINER .....	1,228.57	
50 89 87 71-0042 LF CALTRANS 710488 66" WELDED STEEL PIPELINER .....	1,342.04	
50 89 87 71-0043 LF CALTRANS 710490 72" WELDED STEEL PIPELINER .....	1,603.29	
50 89 87 71-0044 LF CALTRANS 710491 78" WELDED STEEL PIPELINER .....	1,691.64	
50 89 87 71-0045 LF CALTRANS 710492 84" WELDED STEEL PIPELINER .....	1,790.90	
50 89 87 71-0046 LF CALTRANS 710494 MACHINE SPIRAL WOUND PVC LINER (GROUTED, ARCH, 42" X 29") .....	320.57	
50 89 87 71-0047 LF CALTRANS 710496 MACHINE SPIRAL WOUND PVC LINER (GROUTED, ARCH, 49" X 33") .....	399.26	
50 89 87 71-0048 LF CALTRANS 710498 MACHINE SPIRAL WOUND PVC LINER (GROUTED, ARCH, 57" X 38") .....	494.91	
50 89 87 71-0049 LF CALTRANS 710500 MACHINE SPIRAL WOUND PVC LINER (GROUTED, ARCH, 64" X 43") .....	594.74	
50 89 87 71-0050 LF CALTRANS 710512 42" X 29" WELDED STEEL PIPELINER (ARCH) .....	787.48	
50 89 87 71-0051 LF CALTRANS 710514 49" X 33" WELDED STEEL PIPELINER (ARCH) .....	908.03	
50 89 87 71-0052 LF CALTRANS 710516 57" X 38" WELDED STEEL PIPELINER (ARCH) .....	1,032.15	
50 89 87 71-0053 LF CALTRANS 710518 64" X 43" WELDED STEEL PIPELINER (ARCH) .....	1,266.19	
50 89 87 71-0054 LF CALTRANS 710520 71" X 47" WELDED STEEL PIPELINER (ARCH) .....	1,367.66	

**50 Custom Standards And Assemblies****50 89 CALTRANS Custom Standards And Assemblies****50 89 80 CALTRANS Construction Performance Requirements**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

50 89 87 71-0055	LF	CALTRANS 710522 83" X 57" WELDED STEEL PIPELINER (ARCH)	1,795.91
50 89 87 71-0056	LF	CALTRANS 710524 HDPE PLASTIC PIPELINER (16" OD SDR 32.5)	66.30
50 89 87 71-0057	LF	CALTRANS 710526 HDPE PLASTIC PIPELINER (18" OD SDR 32.5)	83.35
50 89 87 71-0058	LF	CALTRANS 710528 HDPE PLASTIC PIPELINER (20" OD SDR 32.5)	102.43
50 89 87 71-0059	LF	CALTRANS 710530 HDPE PLASTIC PIPELINER (22" OD SDR 32.5)	118.22
50 89 87 71-0060	LF	CALTRANS 710532 HDPE PLASTIC PIPELINER (24" OD SDR 32.5)	135.36
50 89 87 71-0061	LF	CALTRANS 710534 HDPE PLASTIC PIPELINER (26" OD SDR 32.5)	154.60
50 89 87 71-0062	LF	CALTRANS 710536 HDPE PLASTIC PIPELINER (28" OD SDR 32.5)	174.52
50 89 87 71-0063	LF	CALTRANS 710538 HDPE PLASTIC PIPELINER (30" OD SDR 32.5)	202.38
50 89 87 71-0064	LF	CALTRANS 710540 HDPE PLASTIC PIPELINER (32" OD SDR 32.5)	231.60
50 89 87 71-0065	LF	CALTRANS 710542 HDPE PLASTIC PIPELINER (34" OD SDR 32.5)	256.12
50 89 87 71-0066	LF	CALTRANS 710544 HDPE PLASTIC PIPELINER (36" OD SDR 32.5)	280.63
50 89 87 71-0067	LF	CALTRANS 710546 HDPE PLASTIC PIPELINER (39.5" OD SDR 32.5)	321.13
50 89 87 71-0068	LF	CALTRANS 710548 HDPE PLASTIC PIPELINER (42" OD SDR 32.5)	361.62
50 89 87 71-0069	LF	CALTRANS 710550 HDPE PLASTIC PIPELINER (48" OD SDR 32.5)	466.35
50 89 87 71-0070	LF	CALTRANS 710552 HDPE PLASTIC PIPELINER (54" OD SDR 32.5)	569.71
50 89 87 71-0071	LF	CALTRANS 710554 HDPE PLASTIC PIPELINER (55.3" OD SDR 32.5)	601.67
50 89 87 71-0072	LF	CALTRANS 710556 HDPE PLASTIC PIPELINER (63.2" OD SDR 32.5)	755.12
50 89 87 71-0073	LF	CALTRANS 710558 HDPE PLASTIC PIPELINER (16" OD SDR 26)	79.36
50 89 87 71-0074	LF	CALTRANS 710660 HDPE PLASTIC PIPELINER (18" OD SDR 26)	99.78
50 89 87 71-0075	LF	CALTRANS 710662 HDPE PLASTIC PIPELINER (20" OD SDR 26)	122.94
50 89 87 71-0076	LF	CALTRANS 710664 HDPE PLASTIC PIPELINER (22" OD SDR 26)	142.00
50 89 87 71-0077	LF	CALTRANS 710666 HDPE PLASTIC PIPELINER (24" OD SDR 26)	162.75
50 89 87 71-0078	LF	CALTRANS 710668 HDPE PLASTIC PIPELINER (26" OD SDR 26)	186.10
50 89 87 71-0079	LF	CALTRANS 710670 HDPE PLASTIC PIPELINER (28" OD SDR 26)	210.29
50 89 87 71-0080	LF	CALTRANS 710672 HDPE PLASTIC PIPELINER (30" OD SDR 26)	244.32
50 89 87 71-0081	LF	CALTRANS 710674 HDPE PLASTIC PIPELINER (32" OD SDR 26)	280.05
50 89 87 71-0082	LF	CALTRANS 710766 HDPE PLASTIC PIPELINER (34" OD SDR 26)	309.95
50 89 87 71-0083	LF	CALTRANS 710768 HDPE PLASTIC PIPELINER (36" OD SDR 26)	339.83
50 89 87 71-0084	LF	CALTRANS 710770 HDPE PLASTIC PIPELINER (39.5" OD SDR 26)	389.53
50 89 87 71-0085	LF	CALTRANS 710772 HDPE PLASTIC PIPELINER (42" OD SDR 26)	439.24
50 89 87 71-0086	LF	CALTRANS 710774 HDPE PLASTIC PIPELINER (48" OD SDR 26)	568.59
50 89 87 71-0087	LF	CALTRANS 710776 HDPE PLASTIC PIPELINER (54" OD SDR 26)	696.25
50 89 87 71-0088	LF	CALTRANS 710778 HDPE PLASTIC PIPELINER (55.3" OD SDR 26)	735.37
50 89 87 71-0089	LF	CALTRANS 710780 HDPE PLASTIC PIPELINER (63.2" OD SDR 26)	924.62
50 89 87 71-0090	LF	CALTRANS 710882 HDPE PLASTIC PIPELINER (16" OD SDR 21)	96.23
50 89 87 71-0091	LF	CALTRANS 710884 HDPE PLASTIC PIPELINER (18" OD SDR 21)	121.01
50 89 87 71-0092	LF	CALTRANS 710886 HDPE PLASTIC PIPELINER (20" OD SDR 21)	149.43
50 89 87 71-0093	LF	CALTRANS 710888 HDPE PLASTIC PIPELINER (22" OD SDR 21)	172.72
50 89 87 71-0094	LF	CALTRANS 710890 HDPE PLASTIC PIPELINER (24" OD SDR 21)	198.13
50 89 87 71-0095	LF	CALTRANS 710891 HDPE PLASTIC PIPELINER (26" OD SDR 21)	226.78
50 89 87 71-0096	LF	CALTRANS 710892 HDPE PLASTIC PIPELINER (28" OD SDR 21)	256.49
50 89 87 71-0097	LF	CALTRANS 710893 HDPE PLASTIC PIPELINER (30" OD SDR 21)	298.50
50 89 87 71-0098	LF	CALTRANS 710894 HDPE PLASTIC PIPELINER (32" OD SDR 21)	342.63
50 89 87 71-0099	LF	CALTRANS 710895 HDPE PLASTIC PIPELINER (34" OD SDR 21)	379.47
50 89 87 71-0100	LF	CALTRANS 710896 HDPE PLASTIC PIPELINER (36" OD SDR 21)	416.29
50 89 87 71-0101	LF	CALTRANS 710897 HDPE PLASTIC PIPELINER (39.5" OD SDR 21)	477.89
50 89 87 71-0102	LF	CALTRANS 710898 HDPE PLASTIC PIPELINER (42" OD SDR 21)	539.49
50 89 87 71-0103	LF	CALTRANS 710899 HDPE PLASTIC PIPELINER (48" OD SDR 21)	700.65
50 89 87 71-0104	LF	CALTRANS 710900 HDPE PLASTIC PIPELINER (54" OD SDR 21)	859.70
50 89 87 71-0105	LF	CALTRANS 710902 HDPE PLASTIC PIPELINER (55.3" OD SDR 21)	908.06
50 89 87 71-0106	LF	CALTRANS 710904 HDPE PLASTIC PIPELINER (63.2" OD SDR 21)	1,143.57

**50 89 88 CALTRANS DIVISION VIII - MISCELLANEOUS CONSTRUCTION (50 89 80)****50 89 88 73 CONCRETE CURBS AND SIDEWALKS (50 89 88)**

50 89 88 73-0001	LF	CALTRANS 730010 MINOR CONCRETE (CURB) (LF), 6" x 18"	27.08
		<i>For Up To 20, Add</i>	16.06
		<i>For &gt;20 To 50, Add</i>	9.10
		<i>For &gt;50 To 100, Add</i>	3.48
		<i>For &gt;500 To 1,000, Deduct</i>	-3.48
		<i>For &gt;1,000, Deduct</i>	-5.90
50 89 88 73-0002	LF	CALTRANS 730010 MINOR CONCRETE (CURB) (LF), 6" x 24"	31.22
		<i>For Up To 20, Add</i>	17.95
		<i>For &gt;20 To 50, Add</i>	10.15
		<i>For &gt;50 To 100, Add</i>	3.90
		<i>For &gt;500 To 1,000, Deduct</i>	-3.90
		<i>For &gt;1,000, Deduct</i>	-6.64
50 89 88 73-0003	LF	CALTRANS 730010 MINOR CONCRETE (CURB) (LF), 8" x 18"	28.80
		<i>For Up To 20, Add</i>	16.48
		<i>For &gt;20 To 50, Add</i>	9.31
		<i>For &gt;50 To 100, Add</i>	3.58
		<i>For &gt;500 To 1,000, Deduct</i>	-3.58
		<i>For &gt;1,000, Deduct</i>	-6.10
50 89 88 73-0004	LF	CALTRANS 730010 MINOR CONCRETE (CURB) (LF), 8" x 24"	33.57
		<i>For Up To 20, Add</i>	18.42
		<i>For &gt;20 To 50, Add</i>	10.38
		<i>For &gt;50 To 100, Add</i>	4.02
		<i>For &gt;500 To 1,000, Deduct</i>	-4.02
		<i>For &gt;1,000, Deduct</i>	-6.87



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 88 73-0005 LF CALTRANS 730010 MINOR CONCRETE (CURB) (LF), 8" x 36" .....	46.83	
<i>For Up To 20, Add</i>	25.17	
<i>For &gt;20 To 50, Add</i>	14.17	
<i>For &gt;50 To 100, Add</i>	5.50	
<i>For &gt;500 To 1,000, Deduct</i>	-5.50	
<i>For &gt;1,000, Deduct</i>	-9.42	
50 89 88 73-0006 LF CALTRANS 730010 MINOR CONCRETE (CURB) (LF), 12" x 24" .....	41.19	
<i>For Up To 20, Add</i>	21.41	
<i>For &gt;20 To 50, Add</i>	12.02	
<i>For &gt;50 To 100, Add</i>	4.69	
<i>For &gt;500 To 1,000, Deduct</i>	-4.69	
<i>For &gt;1,000, Deduct</i>	-8.07	
50 89 88 73-0007 LF CALTRANS 730010 MINOR CONCRETE (CURB) (LF), 12" x 36" .....	58.19	
<i>For Up To 20, Add</i>	29.59	
<i>For &gt;20 To 50, Add</i>	16.59	
<i>For &gt;50 To 100, Add</i>	6.50	
<i>For &gt;500 To 1,000, Deduct</i>	-6.50	
<i>For &gt;1,000, Deduct</i>	-11.21	
50 89 88 73-0008 LF CALTRANS 730040 MINOR CONCRETE (GUTTER) (LF) 6" x 18" .....	36.20	
<i>For Up To 20, Add</i>	24.52	
<i>For &gt;20 To 50, Add</i>	13.66	
<i>For &gt;50 To 100, Add</i>	5.43	
<i>For &gt;500 To 1,000, Deduct</i>	-4.61	
<i>For &gt;1,000, Deduct</i>	-7.81	
50 89 88 73-0009 LF CALTRANS 730040 MINOR CONCRETE (GUTTER) (LF) 6" x 24" .....	43.94	
<i>For Up To 20, Add</i>	29.74	
<i>For &gt;20 To 50, Add</i>	16.56	
<i>For &gt;50 To 100, Add</i>	6.59	
<i>For &gt;500 To 1,000, Deduct</i>	-5.57	
<i>For &gt;1,000, Deduct</i>	-9.46	
50 89 88 73-0010 LF CALTRANS 730040 MINOR CONCRETE (GUTTER) (LF) 6" x 30" .....	57.36	
<i>For Up To 20, Add</i>	38.85	
<i>For &gt;20 To 50, Add</i>	21.64	
<i>For &gt;50 To 100, Add</i>	8.60	
<i>For &gt;500 To 1,000, Deduct</i>	-7.30	
<i>For &gt;1,000, Deduct</i>	-12.38	
50 89 88 73-0011 LF CALTRANS 730040 MINOR CONCRETE (GUTTER) (LF) 6" x 36" .....	60.48	
<i>For Up To 20, Add</i>	40.93	
<i>For &gt;20 To 50, Add</i>	22.79	
<i>For &gt;50 To 100, Add</i>	9.07	
<i>For &gt;500 To 1,000, Deduct</i>	-7.67	
<i>For &gt;1,000, Deduct</i>	-13.01	
50 89 88 73-0012 SF CALTRANS 730070 DETECTABLE WARNING SURFACE .....	55.09	
50 89 88 73-0013 CY CALTRANS 731502 MINOR CONCRETE (MISCELLANEOUS CONSTRUCTION) .....	223.43	
<i>For Up To 20, Add</i>	13.18	
<i>For &gt;20 To 50, Add</i>	4.94	
<i>For &gt;100 To 200, Deduct</i>	-4.47	
<i>For &gt;200 To 400, Deduct</i>	-8.94	
<i>For &gt;400, Deduct</i>	-13.41	
50 89 88 73-0014 SF CALTRANS 731525 MINOR CONCRETE (SIDEWALK) (SF) 4" .....	9.70	
<i>For Up To 100, Add</i>	4.12	
<i>For &gt;100 To 500, Add</i>	1.16	
<i>For &gt;1,000 To 5,000, Deduct</i>	-0.68	
<i>For &gt;5,000, Deduct</i>	-1.50	
50 89 88 73-0015 SF CALTRANS 731525 MINOR CONCRETE (SIDEWALK) (SF) 6" .....	11.51	
<i>For Up To 100, Add</i>	4.70	
<i>For &gt;100 To 500, Add</i>	1.31	
<i>For &gt;1,000 To 5,000, Deduct</i>	-0.73	
<i>For &gt;5,000, Deduct</i>	-1.67	
50 89 88 73-0016 LF CALTRANS 731700 REMOVE CURB .....	11.82	
50 89 88 73-0017 LF CALTRANS 731710 REMOVE CONCRETE CURB (LF) .....	17.56	
<i>For Up To 20, Add</i>	12.29	
<i>For &gt;20 To 50, Add</i>	7.02	
<i>For &gt;50 To 100, Add</i>	2.63	
<i>For &gt;500 To 1,000, Deduct</i>	-2.63	
<i>For &gt;1,000, Deduct</i>	-4.39	
50 89 88 73-0018 SY CALTRANS 731780 REMOVE CONCRETE SIDEWALK (SQYD) .....	103.67	
<i>For Up To 100, Add</i>	42.36	
<i>For &gt;100 To 500, Add</i>	11.76	
<i>For &gt;1,000 To 5,000, Deduct</i>	-6.58	
<i>For &gt;5,000, Deduct</i>	-15.05	
50 89 88 73-0019 LF CALTRANS 731840 REMOVE CONCRETE (CURB AND GUTTER) .....	29.25	
<i>For Up To 20, Add</i>	20.48	
<i>For &gt;20 To 50, Add</i>	11.70	
<i>For &gt;50 To 100, Add</i>	4.39	
<i>For &gt;500 To 1,000, Deduct</i>	-4.39	
<i>For &gt;1,000, Deduct</i>	-7.31	

**50 89 88 78 INCIDENTAL CONSTRUCTION (50 89 88)**

50 89 88 78-0001 EA CALTRANS 780210 SURVEY MONUMENT (TYPE A) .....	590.51
50 89 88 78-0002 EA CALTRANS 780250 ADJUST MONUMENT COVER TO GRADE .....	227.00
50 89 88 78-0003 SF CALTRANS 780433 PAINT CURB (2-COAT) .....	4.54

**50 Custom Standards And Assemblies****50 89 CALTRANS Custom Standards And Assemblies****50 89 80 CALTRANS Construction Performance Requirements**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 88 78-0004 SF CALTRANS 780460 ANTI-GRAFFITI COATING.....	1.41	
For Up To 100, Add	0.76	
For >100 To 250, Add	0.37	
For >250 To 500, Add	0.16	
50 89 88 78-0005 EA CALTRANS 780500 PARKING BUMPER (PRECAST CONCRETE).....	97.77	20.74
<b>50 89 88 80 FENCES</b> <small>(50 89 88)</small>		
Note: Includes constructing fences and gates, excavation, concrete footing, posts, bracing, tension wire, hardware and grounding material per CALTRANS Standard.		
50 89 88 80-0001 LF CALTRANS 800004 FENCE (TYPE BW, 5-STRAND, WOOD POST).....	13.00	
50 89 88 80-0002 LF CALTRANS 800006 FENCE (TYPE BW, 6-STRAND, WOOD POST).....	13.74	
50 89 88 80-0003 LF CALTRANS 800007 FENCE (TYPE BW, 5-STRAND, METAL POST).....	15.22	
50 89 88 80-0004 LF CALTRANS 800008 FENCE (TYPE BW, 4-STRAND, METAL POST).....	14.11	
50 89 88 80-0005 LF CALTRANS 800010 FENCE (TYPE BW, 4-STRAND, WOOD POST).....	12.24	
50 89 88 80-0006 LF CALTRANS 800016 FENCE (TYPE BW, 6-STRAND, METAL POST).....	15.98	
50 89 88 80-0007 LF CALTRANS 800103 TEMPORARY FENCE (TEMPORARY FENCE (TYPE CL-6)).....	7.36	
50 89 88 80-0008 LF CALTRANS 800302 CHAIN LINK FENCE (TYPE CL-3, VINYL-CLAD).....	43.00	
For Up To 100, Add	8.06	
For >100 To 250, Add	2.96	
For >2,500 To 5,000, Deduct	-1.48	
For >5,000, Deduct	-2.96	
50 89 88 80-0009 LF CALTRANS 800310 CHAIN LINK FENCE (TYPE CL-3.5).....	41.65	
For Up To 100, Add	7.84	
For >100 To 250, Add	2.88	
For >2,500 To 5,000, Deduct	-1.44	
For >5,000, Deduct	-2.88	
50 89 88 80-0010 LF CALTRANS 800320 CHAIN LINK FENCE (TYPE CL-4).....	43.06	
For Up To 100, Add	8.07	
For >100 To 250, Add	2.96	
For >2,500 To 5,000, Deduct	-1.48	
For >5,000, Deduct	-2.96	
50 89 88 80-0011 LF CALTRANS 800321 CHAIN LINK FENCE (TYPE CL-4, VINYL-CLAD).....	44.63	
For Up To 100, Add	8.31	
For >100 To 250, Add	3.04	
For >2,500 To 5,000, Deduct	-1.52	
For >5,000, Deduct	-3.04	
50 89 88 80-0012 LF CALTRANS 800340 CHAIN LINK FENCE (TYPE CL-5).....	46.34	
For Up To 100, Add	8.62	
For >100 To 250, Add	3.15	
For >2,500 To 5,000, Deduct	-1.57	
For >5,000, Deduct	-3.15	
50 89 88 80-0013 LF CALTRANS 800341 CHAIN LINK FENCE (TYPE CL-5, VINYL-CLAD).....	48.31	
For Up To 100, Add	8.91	
For >100 To 250, Add	3.25	
For >2,500 To 5,000, Deduct	-1.62	
For >5,000, Deduct	-3.25	
50 89 88 80-0014 LF CALTRANS 800360 CHAIN LINK FENCE (TYPE CL-6).....	50.22	
For Up To 100, Add	9.31	
For >100 To 250, Add	3.40	
For >2,500 To 5,000, Deduct	-1.70	
For >5,000, Deduct	-3.40	
50 89 88 80-0015 LF CALTRANS 800361 CHAIN LINK FENCE (TYPE CL-6, VINYL-CLAD).....	54.23	
For Up To 100, Add	9.91	
For >100 To 250, Add	3.60	
For >2,500 To 5,000, Deduct	-1.80	
For >5,000, Deduct	-3.60	
50 89 88 80-0016 LF CALTRANS 800363 CHAIN LINK FENCE (TYPE CL-6, EXTENSION ARM).....	51.14	
For Up To 100, Add	9.45	
For >100 To 250, Add	3.44	
For >2,500 To 5,000, Deduct	-1.72	
For >5,000, Deduct	-3.44	
50 89 88 80-0017 LF CALTRANS 800365 CHAIN LINK FENCE (TYPE CL-6, SLATTED).....	110.79	
For Up To 100, Add	18.84	
For >100 To 250, Add	6.65	
For >2,500 To 5,000, Deduct	-3.32	
For >5,000, Deduct	-6.65	
50 89 88 80-0018 LF CALTRANS 800400 CHAIN LINK FENCE (TYPE CL-8).....	59.20	
For Up To 100, Add	10.84	
For >100 To 250, Add	3.94	
For >2,500 To 5,000, Deduct	-1.97	
For >5,000, Deduct	-3.94	
50 89 88 80-0019 EA CALTRANS 802100 4' CHAIN LINK GATE (TYPE CL-4).....	453.93	
50 89 88 80-0020 EA CALTRANS 802110 5' CHAIN LINK GATE (TYPE CL-4).....	537.97	
50 89 88 80-0021 EA CALTRANS 802120 6' CHAIN LINK GATE (TYPE CL-4).....	632.52	
50 89 88 80-0022 EA CALTRANS 802180 12' CHAIN LINK GATE (TYPE CL-4).....	1,540.06	
50 89 88 80-0023 EA CALTRANS 802340 8' CHAIN LINK GATE (TYPE CL-5).....	960.73	
50 89 88 80-0024 EA CALTRANS 802400 14' CHAIN LINK GATE (TYPE CL-5).....	2,182.81	
50 89 88 80-0025 EA CALTRANS 802420 16' CHAIN LINK GATE (TYPE CL-5).....	2,522.68	
50 89 88 80-0026 EA CALTRANS 802440 18' CHAIN LINK GATE (TYPE CL-5).....	2,819.97	
50 89 88 80-0027 EA CALTRANS 802500 3' CHAIN LINK GATE (TYPE CL-6).....	461.83	
50 89 88 80-0028 EA CALTRANS 802501 4' CHAIN LINK GATE (TYPE CL-6).....	587.72	
50 89 88 80-0029 EA CALTRANS 802502 4' CHAIN LINK GATE (TYPE CL-6, VINYL-CLAD).....	276.41	
50 89 88 80-0030 EA CALTRANS 802503 4' CHAIN LINK GATE (TYPE CL-6, EXTENSION ARM).....	596.65	
50 89 88 80-0031 EA CALTRANS 802504 4' CHAIN LINK GATE (TYPE CL-6, SLATTED).....	625.15	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 88 80-0032	EA			CALTRANS 802510 5' CHAIN LINK GATE (TYPE CL-6).....	689.06	
50 89 88 80-0033	EA			CALTRANS 802520 6' CHAIN LINK GATE (TYPE CL-6).....	799.74	
50 89 88 80-0034	EA			CALTRANS 802540 8' CHAIN LINK GATE (TYPE CL-6).....	1,026.22	
50 89 88 80-0035	EA			CALTRANS 802543 8' CHAIN LINK GATE (TYPE CL-6, EXTENSION ARM).....	1,036.20	
50 89 88 80-0036	EA			CALTRANS 802550 9' CHAIN LINK GATE (TYPE CL-6).....	1,137.62	
50 89 88 80-0037	EA			CALTRANS 802560 10' CHAIN LINK GATE (TYPE CL-6).....	1,692.53	
50 89 88 80-0038	EA			CALTRANS 802580 12' CHAIN LINK GATE (TYPE CL-6).....	2,009.35	
50 89 88 80-0039	EA			CALTRANS 802601 14' CHAIN LINK GATE (TYPE CL-6).....	2,389.14	
50 89 88 80-0040	EA			CALTRANS 802620 16' CHAIN LINK GATE (TYPE CL-6).....	2,711.51	
50 89 88 80-0041	EA			CALTRANS 802640 18' CHAIN LINK GATE (TYPE CL-6).....	3,042.84	
50 89 88 80-0042	EA			CALTRANS 802660 20' CHAIN LINK GATE (TYPE CL-6).....	3,378.48	
50 89 88 80-0043	EA			CALTRANS 802670 24' CHAIN LINK GATE (TYPE CL-6).....	4,059.92	
50 89 88 80-0044	EA			CALTRANS 802840 18' CHAIN LINK GATE (TYPE CL-7).....	3,210.62	
50 89 88 80-0045	LF			CALTRANS 802900 CHAIN LINK FENCE (TYPE CL-8, EXTENSION ARM).....	60.12	
				<i>For Up To 100, Add</i>	10.98	
				<i>For &gt;100 To 250, Add</i>	3.99	
				<i>For &gt;2,500 To 5,000, Deduct</i>	-1.99	
				<i>For &gt;5,000, Deduct</i>	-3.99	
50 89 88 80-0046	EA			CALTRANS 802901 4' CHAIN LINK GATE (TYPE CL-8).....	726.58	
50 89 88 80-0047	EA			CALTRANS 802902 4' CHAIN LINK GATE (TYPE CL-8, EXTENSION ARM).....	735.50	
50 89 88 80-0048	EA			CALTRANS 802920 6' CHAIN LINK GATE (TYPE CL-8).....	973.67	
50 89 88 80-0049	EA			CALTRANS 802941 8' CHAIN LINK GATE (TYPE CL-8, EXTENSION ARM).....	1,254.65	
50 89 88 80-0050	EA			CALTRANS 803010 14' CHAIN LINK GATE (TYPE CL-10, VINYL_CLAD).....	1,547.86	
50 89 88 80-0051	LF			CALTRANS 803050 REMOVE CHAIN LINK FENCE.....	5.99	
				<i>For Up To 100, Add</i>	1.50	
				<i>For &gt;100 To 250, Add</i>	0.60	
				<i>For &gt;2,500 To 5,000, Deduct</i>	-0.30	
				<i>For &gt;5,000, Deduct</i>	-0.60	
50 89 88 80-0052	EA			CALTRANS 803060 REMOVE GATE.....	283.00	
50 89 88 80-0053	EA			CALTRANS 803160 RESET GATE.....	1,325.59	
50 89 88 80-0054	LF			CALTRANS 803180 RELOCATE CHAIN LINK FENCE.....	28.64	
<b>50 89 89</b>	<b>CALTRANS DIVISION IX - TRAFFIC CONTROL DEVICES</b> <small>(50 89 80)</small>					
<b>50 89 89 81</b>	<b>MISCELLANEOUS TRAFFIC CONTROL DEVICES</b> <small>(50 89 89)</small>					
50 89 89 81-0001	EA			CALTRANS 810120 REMOVE PAVEMENT MARKER.....	2.51	
				<i>For &gt;100, Deduct</i>	-0.25	
50 89 89 81-0002	EA			CALTRANS 810220 PAVEMENT MARKER (NON-REFLECTIVE).....	6.88	2.51
				<i>For &gt;100, Deduct</i>	-0.69	
				<i>For &gt;100, Deduct</i>	-0.69	
50 89 89 81-0003	EA			CALTRANS 810230 PAVEMENT MARKER (RETROREFLECTIVE).....	7.96	2.51
				<i>For &gt;100, Deduct</i>	-0.80	
				<i>For &gt;100, Deduct</i>	-0.80	
50 89 89 81-0004	EA			CALTRANS 810250 PAVEMENT MARKER (RETROREFLECTIVE-RECESSED).....	75.29	31.10
<b>50 89 89 82</b>	<b>SIGNS AND MARKERS</b> <small>(50 89 89)</small>					
50 89 89 82-0001	EA			CALTRANS 820110 MILEPOST MARKER.....	196.69	
50 89 89 82-0002	SF			CALTRANS 820750 FURNISH SINGLE SHEET ALUMINUM SIGN (0.063"-UNFRAMED).....	19.71	35.21
50 89 89 82-0003	SF			CALTRANS 820760 FURNISH SINGLE SHEET ALUMINUM SIGN (0.080"-UNFRAMED).....	20.37	22.79
<b>50 89 89 83</b>	<b>RAILINGS AND BARRIERS</b> <small>(50 89 89)</small>					
50 89 89 83-0001	LF			CALTRANS 832006 MIDWEST GUARDRAIL SYSTEM (STEEL POST).....	49.81	9.95
50 89 89 83-0002	LF			CALTRANS 832007 MIDWEST GUARDRAIL SYSTEM (WOOD POST).....	102.38	15.67
50 89 89 83-0003	LF			CALTRANS 839303 SINGLE THRIE BEAM BARRIER (STEEL POST).....	74.43	2.74
50 89 89 83-0004	LF			CALTRANS 839752 REMOVE GUARDRAIL.....	9.95	
<b>50 89 89 84</b>	<b>MARKINGS</b> <small>(50 89 89)</small>					
50 89 89 84-0001	LF			CALTRANS 840505 6" THERMOPLASTIC TRAFFIC STRIPE.....	2.09	
				<i>For Up To 5,000 LF, Add</i>	0.42	
				<i>For &gt;25,000 LF, Deduct</i>	-0.31	
50 89 89 84-0002	LF			CALTRANS 840506 8" THERMOPLASTIC TRAFFIC STRIPE.....	2.76	
				<i>For Up To 5,000 LF, Add</i>	0.55	
				<i>For &gt;25,000 LF, Deduct</i>	-0.41	
50 89 89 84-0003	LF			CALTRANS 840507 6" THERMOPLASTIC TRAFFIC STRIPE (BROKEN 8-4).....	1.23	
				<i>For Up To 5,000 LF, Add</i>	0.25	
				<i>For &gt;25,000 LF, Deduct</i>	-0.18	
50 89 89 84-0004	LF			CALTRANS 840508 8" THERMOPLASTIC TRAFFIC STRIPE (BROKEN 12-3).....	1.03	
				<i>For Up To 5,000 LF, Add</i>	0.21	
				<i>For &gt;25,000 LF, Deduct</i>	-0.15	
50 89 89 84-0005	SF			CALTRANS 840515 THERMOPLASTIC PAVEMENT MARKING.....	7.79	
50 89 89 84-0006	SF			CALTRANS 840519 THERMOPLASTIC CROSSWALK AND PAVEMENT MARKING.....	7.79	
50 89 89 84-0007	LF			CALTRANS 840522 6" THERMOPLASTIC TRAFFIC STRIPE (BROKEN 6-1).....	0.68	
				<i>For Up To 5,000 LF, Add</i>	0.14	
				<i>For &gt;25,000 LF, Deduct</i>	-0.10	
50 89 89 84-0008	LF			CALTRANS 840528 6" THERMOPLASTIC TRAFFIC STRIPE (BROKEN 12-3).....	0.79	
				<i>For Up To 5,000 LF, Add</i>	0.16	
				<i>For &gt;25,000 LF, Deduct</i>	-0.12	

**50 Custom Standards And Assemblies****50 89 CALTRANS Custom Standards And Assemblies****50 89 80 CALTRANS Construction Performance Requirements**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 89 84-0009 LF CALTRANS 840529 6" THERMOPLASTIC TRAFFIC STRIPE (BROKEN 36-12).....	0.94	
For Up To 5,000 LF, Add	0.19	
For >25,000 LF, Deduct	-0.14	
50 89 89 84-0010 LF CALTRANS 840530 6" THERMOPLASTIC TRAFFIC STRIPE (BROKEN 17-7).....	1.08	
For Up To 5,000 LF, Add	0.22	
For >25,000 LF, Deduct	-0.16	
50 89 89 84-0011 LF CALTRANS 840531 6" THERMOPLASTIC TRAFFIC STRIPE (BROKEN 18-12).....	1.52	
For Up To 5,000 LF, Add	0.30	
For >25,000 LF, Deduct	-0.23	
50 89 89 84-0012 LF CALTRANS 840550 8" THERMOPLASTIC TRAFFIC STRIPE (BROKEN 36-12).....	1.22	
For Up To 5,000 LF, Add	0.24	
For >25,000 LF, Deduct	-0.18	
50 89 89 84-0013 LF CALTRANS 840583 6" TWO-COMPONENT PAINT TRAFFIC STRIPE .....	0.95	
For Up To 5,000 LF, Add	0.19	
For >25,000 LF, Deduct	-0.14	
50 89 89 84-0014 LF CALTRANS 840584 8" TWO-COMPONENT PAINT TRAFFIC STRIPE .....	1.15	
For Up To 5,000 LF, Add	0.23	
For >25,000 LF, Deduct	-0.17	
50 89 89 84-0015 LF CALTRANS 840610 8" TWO-COMPONENT PAINT TRAFFIC STRIPE BROKEN 12-3).....	0.56	
For Up To 5,000 LF, Add	0.11	
For >25,000 LF, Deduct	-0.08	
50 89 89 84-0016 LF CALTRANS 840612 6" TWO-COMPONENT PAINT TRAFFIC STRIPE (BROKEN 6-1).....	0.49	
For Up To 5,000 LF, Add	0.10	
For >25,000 LF, Deduct	-0.07	
50 89 89 84-0017 LF CALTRANS 840614 6" TWO-COMPONENT PAINT TRAFFIC STRIPE (BROKEN 12-3).....	0.60	
For Up To 5,000 LF, Add	0.12	
For >25,000 LF, Deduct	-0.09	
50 89 89 84-0018 LF CALTRANS 840616 6" TWO-COMPONENT PAINT TRAFFIC STRIPE (BROKEN 36-12).....	0.44	
For Up To 5,000 LF, Add	0.09	
For >25,000 LF, Deduct	-0.07	
50 89 89 84-0019 LF CALTRANS 840618 6" TWO-COMPONENT PAINT TRAFFIC STRIPE (BROKEN 17-7).....	0.60	
For Up To 5,000 LF, Add	0.12	
For >25,000 LF, Deduct	-0.09	
50 89 89 84-0020 LF CALTRANS 840620 6" TWO-COMPONENT PAINT TRAFFIC STRIPE (BROKEN 18-12).....	0.71	
For Up To 5,000 LF, Add	0.14	
For >25,000 LF, Deduct	-0.11	
50 89 89 84-0021 LF CALTRANS 840622 6" TWO-COMPONENT PAINT TRAFFIC STRIPE (BROKEN 8-4).....	0.60	
For Up To 5,000 LF, Add	0.12	
For >25,000 LF, Deduct	-0.09	
50 89 89 84-0022 LF CALTRANS 840624 8" TWO-COMPONENT PAINT TRAFFIC STRIPE (BROKEN 36-12).....	0.74	
For Up To 5,000 LF, Add	0.15	
For >25,000 LF, Deduct	-0.11	
50 89 89 84-0023 SF CALTRANS 840637 TWO-COMPONENT PAINT PAVEMENT MARKING .....	6.72	
50 89 89 84-0024 SF CALTRANS 840651 PAINTED STALL LINES AND PAVEMENT MARKINGS.....	4.64	
50 89 89 84-0025 LF CALTRANS 840655 PAINT TRAFFIC STRIPE (1-COAT) - 4" Wide .....	0.31	
For Up To 5,000 LF, Add	0.06	
For >25,000 LF, Deduct	-0.05	
50 89 89 84-0026 LF CALTRANS 840655 PAINT TRAFFIC STRIPE (1-COAT) - 6" Wide .....	0.40	
For Up To 5,000 LF, Add	0.08	
For >25,000 LF, Deduct	-0.06	
50 89 89 84-0027 LF CALTRANS 840655 PAINT TRAFFIC STRIPE (1-COAT) - 8" Wide .....	0.50	
For Up To 5,000 LF, Add	0.10	
For >25,000 LF, Deduct	-0.08	
50 89 89 84-0028 LF CALTRANS 840656 PAINT TRAFFIC STRIPE (2-COAT) - 4" Wide .....	0.59	
For Up To 5,000 LF, Add	0.12	
For >25,000 LF, Deduct	-0.09	
50 89 89 84-0029 LF CALTRANS 840656 PAINT TRAFFIC STRIPE (2-COAT) - 6" Wide .....	0.76	
For Up To 5,000 LF, Add	0.15	
For >25,000 LF, Deduct	-0.11	
50 89 89 84-0030 LF CALTRANS 840656 PAINT TRAFFIC STRIPE (2-COAT) - 8" Wide .....	0.99	
For Up To 5,000 LF, Add	0.20	
For >25,000 LF, Deduct	-0.15	
50 89 89 84-0031 SF CALTRANS 840665 PAINT PAVEMENT MARKING (1-COAT) .....	4.58	
50 89 89 84-0032 SF CALTRANS 840666 PAINT PAVEMENT MARKING (2-COAT) .....	7.01	
50 89 89 84-0033 LF CALTRANS 846020 REMOVE PAINTED TRAFFIC STRIPE.....	2.07	
For Up To 250, Add	1.04	
For >250 To 1,000, Add	0.52	
For >5,000 To 10,000, Deduct	-0.31	
For >10,000 To 25,000, Deduct	-0.52	
For >25,000 To 50,000, Deduct	-0.72	
For >50,000, Deduct	-0.83	
50 89 89 84-0034 SF CALTRANS 846025 REMOVE PAINTED PAVEMENT MARKING .....	3.56	
For Up To 250, Add	1.78	
For >250 To 1,000, Add	0.89	
For >5,000 To 10,000, Deduct	-0.53	
For >10,000 To 25,000, Deduct	-0.89	
For >25,000 To 50,000, Deduct	-1.25	
For >50,000, Deduct	-1.42	
50 89 89 84-0035 LF CALTRANS 846030 REMOVE THERMOPLASTIC TRAFFIC STRIPE.....	3.14	
For Up To 250, Add	1.57	
For >250 To 1,000, Add	0.79	
For >5,000 To 10,000, Deduct	-0.47	
For >10,000 To 25,000, Deduct	-0.79	
For >25,000 To 50,000, Deduct	-1.10	
For >50,000, Deduct	-1.26	





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 89 84-0036 SF CALTRANS 846035 REMOVE THERMOPLASTIC PAVEMENT MARKING .....	4.54	
<i>For Up To 250, Add</i>	2.27	
<i>For &gt;250 To 1,000, Add</i>	1.14	
<i>For &gt;5,000 To 10,000, Deduct</i>	-0.68	
<i>For &gt;10,000 To 25,000, Deduct</i>	-1.14	
<i>For &gt;25,000 To 50,000, Deduct</i>	-1.59	
<i>For &gt;50,000, Deduct</i>	-1.82	

**END OF SECTION 50**

**50 Custom Standards And Assemblies**

50 89 CALTRANS Custom Standards And Assemblies

50 89 80 CALTRANS Construction Performance Requirements



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

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Greenville, South Carolina 29615