



County of Fresno

DEPARTMENT OF PUBLIC WORKS AND PLANNING
STEVEN E. WHITE, DIRECTOR

April 2, 2021

Contract No. 20-15-C

ADDENDUM NO. 1 to the Bidding and Contract Documents for James Bypass Bridge Replacements on Manning Avenue, revising the Bidding and Contract Documents as follows:

COVER PAGE

No changes

TABLE OF CONTENTS

No changes

NOTICE TO BIDDERS

No changes

BID ITEMS AND APPLICABLE SECTIONS

REPLACE Item Description for Item Code 211111 with:

PERMANENT EROSION CONTROL ESTABLISHMENT INSPECTION DAY

REPLACE Item Description for Item Code 398200 with:

COLD PLANE HMA

REPLACE Item Description for Item Code 723080 with:

ROCK SLOPE PROTECTION (CLASS 2, METHOD B)

DELETE Item Code 193006-SLURRY CEMENT BACKFILL (CONTROL PILE CAVING)

SPECIAL PROVISIONS

REPLACE “drainage channels” in the 1st paragraph of Section 10-1.03 with:

designated floodway

REPLACE “\$6,8000” in the 12th paragraph of Section 12-4.02C(3)(o) with:

six thousand and eight hundred dollars (\$6,800.00)

REPLACE the 8th paragraph of Section 14-6.05C with:

Contractor must monitor weekly to maintain and repair devices prior to construction resumption which may occur no earlier than July 16, 2022, or a date identified by the CVFPB in compliance with their floodway encroachment permit.

ADD after the 2nd paragraph of Section 17-2.01:

Clearing and grubbing may also consist of reserving and redistributing 6" depth of existing topsoil onto its original location at final grade at the discretion of the engineer. Stockpiling topsoil must comply with section 13-4.03C(3).

REPLACE the 2nd paragraph of Section 21-3.01A with:

Permanent erosion control establishment work consists of **monthly** inspections of the project site for deficiencies in erosion control features.

REPLACE the 4th paragraph of Section 21-3.01A with:

The Engineer notifies you when the permanent erosion control establishment period starts and furnishes **monthly** statements regarding the number of working days credited to the permanent erosion control establishment period after the notification.

REPLACE Section 21-3.01C with:

21-3.01C Submittals

Submit a Permanent Erosion Control Establishment (PECE) Report as an informational submittal within 24 hours of completing an inspection. The WPC manager is responsible for the preparation and submittal of the PECE Report. The report must provide criteria for acceptance and identify any deficiencies that require repair, adjustment, or reapplication of materials, including:

1. Slides
2. Slipouts
3. Surface erosion
4. Damage to:
 - 4.1. Erosion control devices
 - 4.2. Water pollution control devices
5. Poor seed germination
6. Poor plant growth
7. Dead or damaged erosion control plant material
8. Misaligned features
9. Required repair work

REPLACE first paragraph of Section 21-3.0C with:

Payment for site inspection and preparation of PECE report is included in the payment for PERMANENT EROSION CONTROL ESTABLISHMENT INSPECTION DAY bid item.

REPLACE Section 37 with:

Attachment A

ADD to the end of Section 39-2.01C(9):

Fog seal all dikes after placement.

ADD to Section 39-2.01D:

Payment for furnishing and applying fog seal to the dike is included in the payment for place hot mix asphalt dike

REPLACE Section 49-3.02D with:

49-3.02D Payment

Not used

ADD to Section 72-2.01:

Place rock slope protection for miscellaneous areas in an 18 inch thick layer on disturbed areas of slope extending from 3 ft behind the front face of each abutment to the toe of disturbed slope, or as directed by the Engineer. Fabric is not required for this rock slope protection.

BID BOOK

PROPOSAL

DELETE Proposals 2.1 and 2.2

REPLACE WITH Proposals 2.1A and 2.2A, attached

AGREEMENT

No changes

PROJECT DETAILS

No changes

PLANS

No changes

END OF ADDENDUM NO. 1

Please attach this Addendum to the inside cover of the Specifications booklet. If you have given the Bidding and Contract Documents to someone else, please forward this Addendum.



4/2/2021

Date Signed

Supervising Engineer:

Joseph C. Harrell, PE C80424

FRESNO COUNTY
Department of Public Works and Planning
m/a 2220 Tulare Street, Seventh Floor
Fresno, CA 93721-2106

Attachments:

Attachment A
Proposal 2.1A
Proposal 2.2A

Attachment A

37 SEAL COAT

37-1 GENERAL

37-1.01 GENERAL

37-1.01A Summary

Section 37-1 includes general specifications for applying seal coats.

37-1.01B Definitions

Reserved

37-1.01C Submittals

At least 10 days before the preconstruction meeting submit a list of participants in the preconstruction meeting. Provide each participant's name, employer, title, and role in the production and placement of the seal coats.

At least 10 days before starting seal coat activities, submit the names of the authorized laboratories for quality control testing.

For each delivery of asphalt binder or asphaltic emulsion to the job site, submit a certificate of compliance and a copy of the specified test results.

For a seal coat that uses crumb rubber modifier, submit a Crumb Rubber Usage Report form monthly and at the end of project.

37-1.01D Quality Assurance

37-1.01D(1) General

For aggregate testing, quality control laboratories must be in compliance with the Caltrans Independent Assurance Program to be an authorized laboratory. Quality control personnel must be qualified under the Caltrans Independent Assurance Program.

For emulsion testing, quality control laboratories must participate in the AASHTO Material's Reference Laboratory proficiency sample program. The lab must show evidence of a rating of three or greater on the two most recent samples.

37-1.01D(2) Preconstruction Meeting

Hold a preconstruction meeting within 5 days before start of seal coat work at a mutually agreed time and place with the Engineer and your:

1. Project superintendent
2. Project foreman
3. Traffic control foreman

Make arrangements for the conference facility. Preconstruction meeting participants must sign an attendance sheet provided by the Engineer. Be prepared to discuss:

1. Quality control testing
2. Acceptance testing
3. Seal coat placement
4. Proposed application rates for asphaltic emulsion or asphalt binder and aggregate.
5. Training on placement methods
6. Checklist of items for proper placement
7. Unique issues specific to the project, including:
 - 7.1. Weather
 - 7.2. Alignment and geometrics
 - 7.3. Traffic control requirements

- 7.4. Haul distances
- 7.5. Presence and absence of shaded areas
- 7.6. Any other local conditions
8. Contingency plan for material deliveries, equipment breakdowns, and traffic handling
9. Who in the field has authority to adjust application rates and how adjustments will be documented
10. Schedule of sweepings

37-1.02 MATERIALS

Not Used

37-1.03 CONSTRUCTION

37-1.03A General

If seal coat activities affect access to public parking, residential property, or commercial property, post signs at 100-foot intervals on the affected streets. Signs must display *No Parking – Tow Away*. Signs must state the dates and hours parking or access will be restricted. Notify residents, businesses, and local agencies at least 24 hours before starting activities. The notice must:

1. Describe the work to be performed
2. Detail streets and limits of activities
3. Indicate dates and work hours
4. Be authorized

Asphaltic emulsion or asphalt binder for seal coats may be reheated if necessary. After loading the asphaltic emulsion or asphalt binder into a truck for transport to the job site, do not heat asphaltic emulsion above 160 degrees F and asphalt rubber binder above 425 degrees F. During reheating, circulate or agitate the asphaltic emulsion or asphalt binder to prevent localized overheating.

Except for fog seals, apply quick setting Grade 1 asphaltic emulsions at a temperature from 75 to 130 degrees F and apply quick setting Grade 2 asphaltic emulsions at a temperature from 110 to 185 degrees F.

You determine the application rates for asphaltic emulsion or asphalt binder and aggregate and the Engineer authorizes the application rates.

37-1.03B Equipment

A self-propelled distributor truck for applying asphaltic emulsion or asphalt binder must be equipped with:

1. Pressure-type system with insulated tanks with circulating unit
2. Spray bars:
 - 2.1. With minimum length of 9 feet and full-circulating type
 - 2.2. With full-circulating-type extensions if needed to cover a greater width
 - 2.3. Adjustable to allow positioning at various heights above the surface to be treated
 - 2.4. Operated by levers such that 1 or all valves may be quickly opened or closed in one operation
3. Devices and charts to provide for accurate and rapid determination and control of asphaltic emulsion or asphalt binder quantities being applied. Include an auxiliary wheel type meter that registers:
 - 3.1. Speed in ft/min
 - 3.2. Trip by count
 - 3.3. Total distance in feet
4. Distribution system:
 - 4.1. Capable of producing a uniform application of asphaltic emulsion or asphalt binder in controlled quantities ranging from 0.02 to 1 gal/sq yd of surface and at a pressure ranging from 25 to 75 psi
 - 4.2. Pumps that spray asphaltic emulsion or asphalt binder within 0.02 gal/sq yd of the set rate
 - 4.3. With a hose and nozzle for application of asphaltic emulsion to areas inaccessible to the spray bar
 - 4.4. With pressure gauges and a thermometer for determining temperatures of the asphaltic emulsion or asphalt binder

You may use cab-controlled valves for the application of asphaltic emulsion or asphalt binder. The valves controlling the flow from nozzles must act positively to provide a uniform unbroken application of asphaltic emulsion or asphalt binder.

Maintain distributor and storage tanks at all times to prevent dripping.

37-1.04 PAYMENT

Not Used

37-2 NOT USED

37-3 NOT USED

37-4 FOG SEALS AND FLUSH COATS

37-4.01 GENERAL

37-4.01A General

37-4.01A(1) Summary

Section 37-4.01 includes general specifications for applying fog seals and flush coats.

37-4.01A(2) Definitions

Reserved

37-4.01A(3) Submittals

At least 15 days before use, submit:

1. Sample of asphaltic emulsion in two 1-quart plastic container with lined, sealed lid
2. Asphaltic emulsion information and test data as follows:
 - 2.1. Supplier
 - 2.2. Type/Grade of asphalt emulsion
 - 2.3. Copy of the specified test results for asphaltic emulsion

37-4.01B Materials

Not Used

37-4.01C Construction

37-4.01C(1) General

Reserved

37-4.01C(2) Weather Conditions

Only place a fog seal or flush coat if both the pavement and ambient temperatures are at least 50 degrees F and rising. Do not place a fog seal or flush coat within 24 hours of rain or within 24 hours of forecast rain or freezing temperatures.

37-4.01D Payment

Not Used

37-4.02 FOG SEALS

37-4.02A General

37-4.02A(1) Summary

Section 37-4.02 includes specifications for applying fog seals.

Applying a fog seal includes applying a diluted slow-setting or quick setting asphaltic emulsion.

37-4.02A(2) Definitions

Reserved

37-4.02A(3) Submittals

Immediately after sampling, submit two 1-quart plastic container of asphaltic emulsion taken in the presence of the Engineer. Samples must be submitted in insulated shipping container.

37-4.02A(4) Quality Assurance**37-4.02A(4)(a) General**

Reserved

37-4.02A(4)(b) Quality Control**37-4.02A(4)(b)(i) General**

Reserved

37-4.02A(4)(b)(ii) Asphaltic Emulsions

Circulate asphaltic emulsions in the distributor truck before sampling. Take samples from the distributor truck at mid load or from a sampling tap or thief. Before taking samples, draw and dispose of 1 gallon. In the presence of the Engineer, take asphalt emulsion sample in two 1-quart plastic container with lined, sealed lid.

For asphaltic emulsions, the authorized laboratory must perform quality control sampling and testing at the specified frequency and location for the following quality characteristics:

Asphaltic Emulsion

Quality characteristic	Test Method	Minimum sampling and testing frequency	Sampling location
Saybolt Furol Viscosity, at 25 °C (Saybolt Furl seconds)	AASHTO T 59	Minimum 1 per day per delivery truck	Distributor truck
Sieve Test (%)			
Storage stability, 1 day (%)			
Residue by distillation (%)			
Particle charge ^a			
Tests on Residue from Distillation Test:			
Penetration, 25 °C	AASHTO T 49	Minimum 1 per day per delivery truck	Distributor truck
Ductility	AASHTO T 51		
Solubility in trichloroethylene	AASHTO T 44		

^aIf the result of the particle charge is inconclusive, the asphaltic emulsion must be tested for pH under ASTM E70. Grade QS1h asphaltic emulsion must have a minimum pH of 7.3. Grade CQS1h asphaltic emulsion must have a maximum pH of 6.7.

37-4.02A(4)(b)(iii) Asphaltic Emulsion Spread Rates

For fog seals, the authorized laboratory must perform sampling and testing at the specified frequency and location for the following quality characteristics:

Fog Seal Quality Control Requirements

Quality characteristic	Test method	Minimum sampling and testing frequency	Location of sampling
Asphaltic emulsion spread rate (gal/sq yd)	California Test 339	2 per day	Pavement surface

37-4.02A(4)(c) Department Acceptance

Fog seal acceptance is based on:

1. Visual inspection for the following:
 - 1.1. Uniform surface texture throughout the work limits
 - 1.2. Flushing consisting of the occurrence of a film of asphaltic material on the surface
 - 1.4. Streaking consisting of alternating longitudinal bands of asphaltic emulsion approximately parallel with the lane line
2. The Department's sampling and testing for compliance with the requirements for the quality characteristics specified in section 94 for asphaltic emulsion
3. Department's sampling and testing for compliance with the requirements for fog seal shown in the following table:

Fog Seal Acceptance Criteria

Quality Characteristic	Test Method	Requirement
Asphaltic emulsion spread rate (gal/sq yd)	California Test 339	TV \pm 10%

37-4.02B Materials

You determine the grade of slow-setting or quick setting asphaltic emulsion to be used.

37-4.02C Construction

Apply asphaltic emulsions for fog seals at a residual asphalt rate from 0.02 to 0.06 gal/sq yd.

If additional water is added to the asphaltic emulsions, the resultant mixture must not be more than 1 part asphaltic emulsion to 1 part water. You determine the dilution rate.

If the fog seals become tacky, sprinkle water as required.

If fog seals and chip seals are on the same project, the joint between the seal coats must be neat and uniform.

37-4.02D Payment

The Department does not adjust the unit price for an increase or decrease in the asphaltic emulsion quantity.

37-4.03 FLUSH COATS

Not used.

BID ITEM LIST

ITEM No.	QUANTITY	F/P/S	UNIT OF MEASURE	ITEM	ITEM PRICE	TOTAL PRICE
1	10,000		\$	SUPPLEMENTAL WORK (PAYMENT ADJUSTMENT FOR PRICE INDEX FLUCTUATIONS)	\$1.00	\$10,000.00
2	2		EA	CONSTRUCTION PROJECT FUNDING SIGNS		
3	1		LS	TRAFFIC CONTROL SYSTEM		
4	1		LS	PREPARE WATER POLLUTION CONTROL PROGRAM		
5	20		EA	WATER QUALITY SAMPLING AND ANALYSIS DAY		
6	1		LS	STREET SWEEPING		
7	2,300		LF	TEMPORARY FIBER ROLL		
8	2,000		LF	FIBER ROLLS		
9	8,800		SF	HYDROSEED		
10	12		EA	PERMANENT EROSION CONTROL ESTABLISHMENT INSPECTION DAY		
11	1,500		LF	TEMPORARY SILT FENCE		
12	4		EA	TEMPORARY CONSTRUCTION ENTRANCE		
13	1		EA	TEMPORARY CONSTRUCTION CONCRETE WASHOUT		
14	9		EA	TEMPORARY DRAINAGE INLET PROTECTION (OVERSIDE DRAIN)		
15	10		EA	TEMPORARY DRAINAGE INLET PROTECTION (TYPE 6B, ON BRIDGE)		
16	1		EA	SPILL PREVENTION, CONTAINMENT AND CLEANUP PLAN		
17	1		LS	BIRD EXCLUSION PLAN		
18	1		LS	INSTALL BIRD EXCLUSION DEVICES		
19	24		EA	MONITORING BIRD EXLUSION DEVICES WEEK		
20	3,000		LF	TEMPORARY FENCING (TYPE ESA)		
21	4,775		LB	TREATED WOOD WASTE (GUARDRAIL)		
22	1		LS	JOB SITE MANAGEMENT		
23	1		LS	DEWATERING PLAN		
24	5,070		LF	TEMPORARY TRAFFIC STRIPE (TAPE)		
25	52		EA	TEMPORARY SIGN		
26	1,050		LF	TEMPORARY RAILING (TYPE K)		
27	10		EA	TEMPORARY BARRICADE (TYPE III)		
28	56		EA	TEMPORARY CRASH CUSHION MODULE		
29	259		LF	REMOVE METAL BEAM GUARD RAILING		
30	1	F	LS	CLEARING AND GRUBBING		
31	1		LS	FINISH ROADWAY		
32	400		CY	EMBANKMENT		
33	30		CY	ROCK SLOPE PROTECTION (CLASS 2, METHOD B) (MISCELLANEOUS AREAS)		
34	2,380		LF	REMOVE ASPHALT CONCRETE DIKE		
35	910		SY	COLD PLANE HMA		
36	1,890		TON	HOT MIX ASPHALT (TYPE A)		
37	2		TON	TACK COAT		
38	1,770		LF	PLACE HMA DIKE (TYPE A)		
39	602		LF	PLACE HMA DIKE (TYPE F)		
40	146		LF	FLUME DOWNDRAIN (WITH RSP)		
41	18		EA	FLUME DOWNDRAIN - ANCHOR ASSEMBLY		
42	9		EA	TAPERED INLET		
43	5		EA	REMOVE FLUME DOWNDRAIN		
44	8		EA	OBJECT MARKER (TYPE P)		
45	4		EA	MIDWEST GUARDRAIL SYSTEM (MSKT IN-LINE TERMINAL SYSTEM)		
46	4		EA	MIDWEST GUARDRAIL SYSTEM (TRANSITION RAILING TYPE WB-31)		
47	4		EA	CRASH CUSHION (TAU-II)		
48	4		EA	REMOVE CRASH CUSHION		
SUBTOTAL - BID ITEMS 1 THROUGH 48						

F = Final Pay

ITEM No.	QUANTITY	F/P/S	UNIT OF MEASURE	ITEM	ITEM PRICE	TOTAL PRICE
49	3,650		LF	4" PAINT TRAFFIC STRIPE (2-COAT) YELLOW (DETAIL 27B)		
50	1,770		LF	4" PAINT TRAFFIC STRIPE (2-COAT) WHITE (DETAIL 6)		
51	2,600	F	CF	FURNISH POLYESTER CONCRETE OVERLAY		
52	9,800		SF	PLACE POLYESTER CONCRETE OVERLAY		
53	1	F	LS	BRIDGE REMOVAL		
54	470	F	CY	STRUCTURE EXCAVATION (BRIDGE)		
55	180	F	CY	STRUCTURE BACKFILL (BRIDGE)		
56	615		LF	48" CAST-IN-DRILLED-HOLE PILING		
57	540	F	CY	STRUCTURAL CONCRETE, BRIDGE		
58	10,461		SF	FURNISH PRECAST PRESTRESSED CONCRETE SLAB		
59	44		EA	ERECT PRECAST PRESTRESSED CONCRETE DECK UNIT		
60	338		LF	JOINT SEAL (MR=2")		
61	66		LF	JOINT SEAL (TYPE A)		
62	190,000	F	LB	BAR REINFORCING STEEL (BRIDGE)		
63	2,300	F	CF	RAPID SETTING CONCRETE (PATCH)		
64	478		LF	CONCRETE BARRIER (TYPE 836)		
65	142		LF	CONCRETE BARRIER (TYPE 836A)		
66	16		EA	DELINEATOR (CLASS 2)		
67	1		LS	FEDERAL TRAINEE PROGRAM		
68	1		LS	COURSE OF CONSTRUCTION INSURANCE (BUILDER'S ALL RISK)		
69	1		LS	MOBILIZATION		
SUBTOTAL - BID ITEMS 49 THROUGH 69						

F = Final Pay

TOTAL - BID ITEMS 1 THROUGH 69
