



Inter Office Memo

DATE: May 18, 2026

TO: Cynthia Zamora, Senior Engineer

FROM: Rajdeep Singh, Materials Engineer 

**SUBJECT: Lead Test Results
Project No. J11126
Travers Creek Bridge – Manning Ave
Fresno County, California**

The Materials Laboratory collected samples of paint chips at various locations at the above project. The samples were bagged, labeled, and brought to the laboratory. The samples were submitted under a chain of custody protocol and analyzed for lead content by BSK Associates in accordance with EPA 6010B (lead). The test results are presented in the table below. Results are attached.

TRAVERS CREEK BRIDGE – MANNING AVENUE LEAD TEST RESULTS

SAMPLE No.	SAMPLE LOCATION	TEST METHOD	RESULTS
L1-1	W/B Bridge Headwall, White Paint	EPA 6010B – Total Lead EPA 6010B – Lead, WET	2000 mg/kg 130 mg/L
L1-2	E/B Bridge Headwall, White Paint	EPA 6010B – Total Lead EPA 6010B – Lead, WET	72 mg/kg ND
L1-3	Bridge CL, Yellow Striping Paint	EPA 6010B – Total Lead EPA 6010B – Lead, WET	5600 mg/kg ND
L2-1	350' E/O Bridge, Yellow Striping Paint	EPA 6010B – Total Lead EPA 6010B – Lead, WET	5300 mg/kg ND
L3-1	650' E/O Bridge, Yellow Striping Paint	EPA 6010B – Total Lead EPA 6010B – Lead, WET	4200 mg/kg ND
L4-1	250' W/O Bridge, Yellow Striping Paint	EPA 6010B – Total Lead EPA 6010B – Lead, WET	5600 mg/kg ND

ND = None Detected | E/O = East Of | W/O = West Of

Attachments: Final Report (BSK Associates, Aug. 8, 2022), Sample Tags, Sample Location Map

Singh, Rajdeep

From: Rutherford, Alexis
Sent: Monday, May 23, 2022 2:29 PM
To: Singh, Rajdeep
Cc: Harrell, Joseph; Zamora, Cynthia; Montoya, Christian
Subject: Travers Creek on Manning Avenue - JIII26
Attachments: 2018.pdf; Roadway Approach.pdf

Raj,

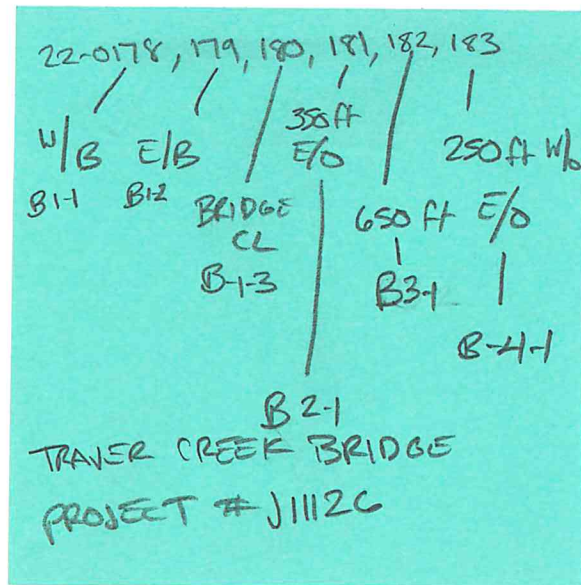
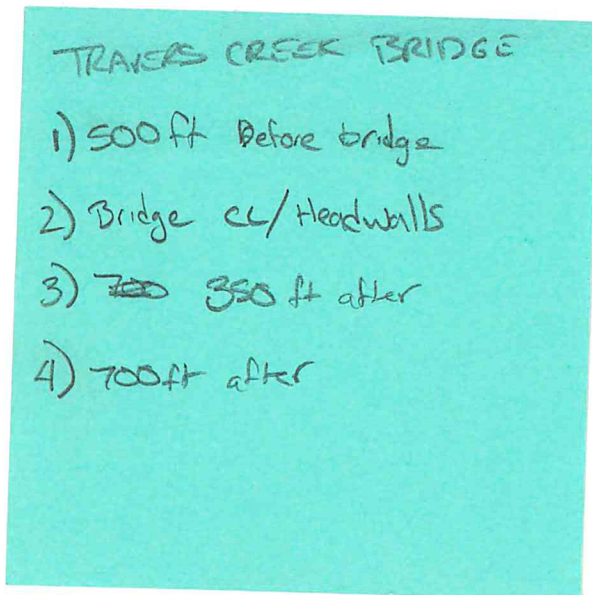
Please test the yellow traffic striping and white paint on the headwalls for lead at the Travers Creek Bridge on Manning Avenue. I've attached a pretty recent BIR and a drawing of the project limits.

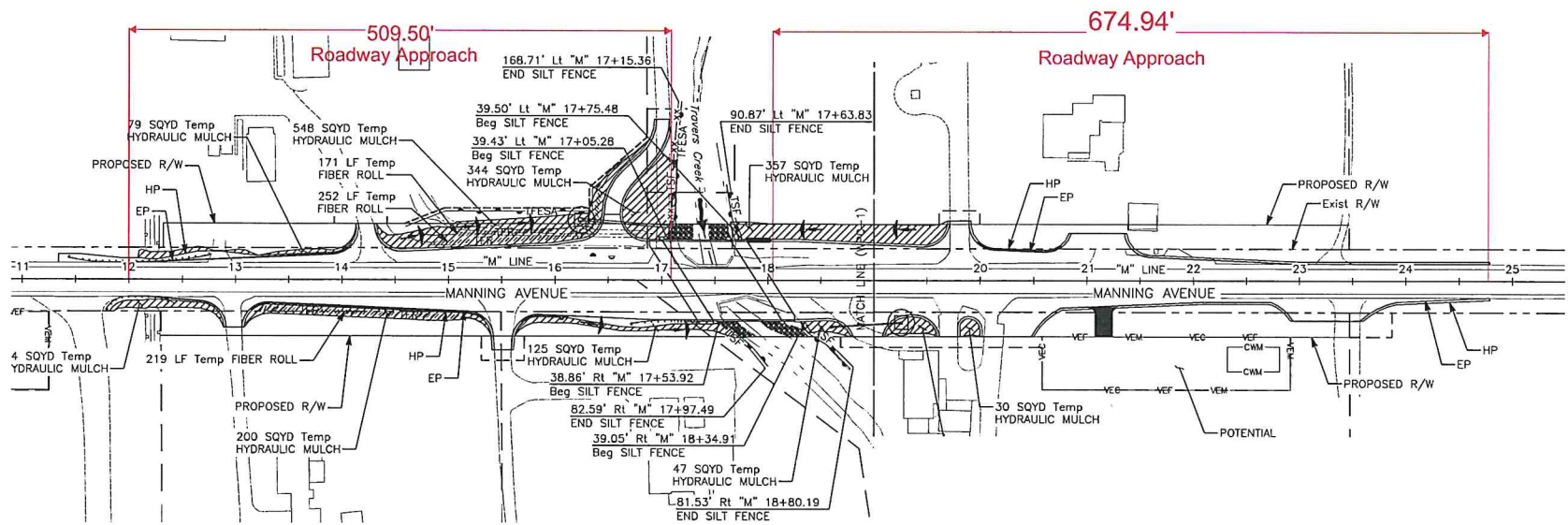
Please note on the sample if the yellow stripe is paint or thermoplastic.

This information will supplement the analysis done in 2016.

We need this in the next few months...I will follow up with you at the end of July.

Thanks,
Alexis







DEPARTMENT OF TRANSPORTATION
Structure Maintenance & Investigations

Bridge Number : 42C0175
Facility Carried: E MANNING AVE
Location : 0.6 MI W ALTA AVE
City :
Inspection Date : 11/07/2018

Bridge Inspection Report

Inspection Type

Routine ☒ FC ☐ Underwater ☐ Special ☐ Other ☐

STRUCTURE NAME: TRAVERS CREEK

10-103

CONSTRUCTION INFORMATION

Year Built : 1925
Year Modified: 1942
Length (m) : 10.1

Skew (degrees): 6
No. of Joints : 0
No. of Hinges : 0

Structure Description: Simply supported single-span CIP/RC T girders (6), with a CIP/RC deck covered with an AC overlay on RC cantilever (seat) abutment (A1) and rigid frame abutment (A2), both with monolithic RC wingwalls, all founded on RC spread footings. (No plans are on file in Caltrans BIRIS for either the original construction or the left side widening.)

Span Configuration : 1 @ 31.6 ft

SAFE LOAD CAPACITY AND RATINGS

Design Live Load: UNKNOWN

Inventory Rating: RF=0.48 =>15.6 metric tons

Operating Rating: RF=0.80 =>25.9 metric tons

Permit Rating : 00000

Posting Load : Type 3: Legal

Calculation Method: FIELD EVAL/ENG JUDGMENT

Calculation Method: FIELD EVAL/ENG JUDGMENT

Type 3S2: Legal

Type 3-3: Legal

DESCRIPTION ON STRUCTURE

Deck X-Section: 0.8 ft br, 28.3 ft min., 0.3 ft r, 0.8 ft br

Total Width: 9.2 m Net Width: 8.6 m No. of Lanes: 2

Min. Vertical Clearance: Unimpaired

Speed: 55 mph

Overlay Thickness: 10.0 inches

Rail Code: 0000

DESCRIPTION UNDER STRUCTURE

Channel Description: Trapezoidal shape with broken concrete riprap on the sides and a dirt bottom. (Flow is from north to southeast with the change in direction of flow from south to southeast occurring under the bridge.)

NOTICE

The bridge inspection condition assessment used for this inspection is based on the American Association of State Highway and Transportation Officials (AASHTO) Bridge Element Inspection Manual 2013 as defined in Moving Ahead for Progress in the 21st Century (MAP-21) federal law. The new element inspection methodology may result in changes to related condition and appraisal ratings on the bridge without significant physical changes at the bridge.

The element condition information contained in this report represents the current condition of the bridge based on the most recent routine and special inspections. Some of the notes presented below may be from an inspection that occurred prior to the date noted in this report. Refer to the Scope and Access section of this inspection report for a description of which portions of the bridge were inspected on this date.

INSPECTION COMMENTARY

SCOPE AND ACCESS

The creek was dry during at the time of this investigation. A complete routine

INSPECTION COMMENTARY

inspection on all of the visible elements was performed.

SAFE LOAD CAPACITY

A Load Rating Summary Sheet dated 11/4/2010 is on file for this structure. The current rating has been assigned in accordance with SMI procedures for concrete structures without plans. While this report does not include a check of that analysis, it does verify that the structural conditions observed during this inspection are consistent with those assumed in that analysis. The dead load includes 10 inches of AC wearing surface.

OPERATIONAL SIGNS

There are "NARROW BRIDGE" signs placed at the both approaches to the bridge (see Photo 1 from the BIR dated 11/22/2016).

WATERWAY

This bridge has a code "U" for NBI Item 113 because the bridge has unknown foundations.

A Scour Plan of Action is currently on file in BIRIS dated 8/31/2010. The plan calls for regular monitoring of the waterway during routine inspections every 24 months and closure of the structure if settlement of greater than 0.5 inches or loss of embankment fill is observed.

Several channel section measurements were taken during this investigation and compared to the previous stream section dated 11/22/2016. The results of that comparison indicate that there have been no significant changes. The channel has been relatively stable with no significant degradation, aggradation, or migration.

ELEMENT INSPECTION RATINGS AND COMMENTARY

Elem No.	Defect /Prot	Element Description	Env	Total Qty	Units	Qty in each Condition State	St. 1	St. 2	St. 3	St. 4
16		Top Flange-RC	2	93	sq.m	93	0	0	0	0
	510	Deck Wearing Surface-Asphalt	2	87	sq.m	87	0	0	0	0
(16)										
There were no significant defects noted.										
(16-510)										
There were no significant defects noted.										
110		Girder/Beam-RC	2	61	m	61	0	0	0	0
(110)										
There were no significant defects noted.										
215		Abutment-RC	2	36	m	35	1	0	0	0
	1130	Cracking (RC and Other)	2	1		0	1	0	0	0
(215)										
The quantity shown here includes the monolithic RC wingwalls at each abutment.										
(215-1130)										
There is a 0.04 inch wide vertical crack in the face of Abutment 1 between Girders 4 and 5.										

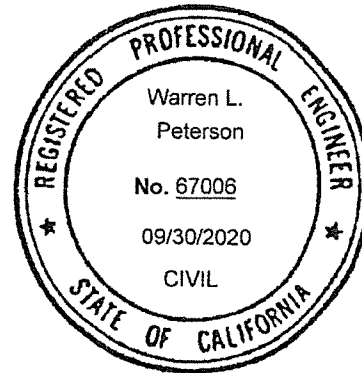
ELEMENT INSPECTION RATINGS AND COMMENTARY

Elem No.	Defect /Prot	Element Description	Env	Total Qty	Units	Qty in each Condition State			
						St. 1	St. 2	St. 3	St. 4
220		Pile Cap/Footing-RC	2	10	m	10	0	0	0
(220) Broken concrete and rocks are piled up against the base of Abutment 1, covering the exposed front and top of the footing (see Photo 1 from the BIR dated 11/19/2014). No action is required.									
330		Railing-Metal	2	10	m	10	0	0	0
(330) There were no significant defects noted.									
331		Railing-RC	2	20	m	20	0	0	0
(331) There were no significant defects noted.									

WORK RECOMMENDATIONS - NONE

Team Leader : Warren L. Peterson
 Report Author : Warren L. Peterson
 Inspected By : WL.Peterson/DM.Delk

WL *PA* *12/3/18*
 Warren L. Peterson (Registered Civil Engineer) (Date)



STRUCTURE INVENTORY AND APPRAISAL REPORT

***** IDENTIFICATION *****

(1) STATE NAME- CALIFORNIA 069
 (8) STRUCTURE NUMBER 42C0175
 (5) INVENTORY ROUTE (ON/UNDER) - ON 140000000
 (2) HIGHWAY AGENCY DISTRICT 06
 (3) COUNTY CODE 019 (4) PLACE CODE 00000
 (6) FEATURE INTERSECTED- TRAVERS CREEK
 (7) FACILITY CARRIED- E MANNING AVE
 (9) LOCATION- 0.6 MI W ALTA AVE
 (11) MILEPOINT/KILOMETERPOINT 0
 (12) BASE HIGHWAY NETWORK- NOT ON NET 0
 (13) LRS INVENTORY ROUTE & SUBROUTE
 (16) LATITUDE 36 DEG 36 MIN 14.4 SEC
 (17) LONGITUDE 119 DEG 24 MIN 21.43 SEC
 (98) BORDER BRIDGE STATE CODE % SHARE %
 (99) BORDER BRIDGE STRUCTURE NUMBER

***** STRUCTURE TYPE AND MATERIAL *****

(43) STRUCTURE TYPE MAIN:MATERIAL- CONCRETE
 TYPE- TEE BEAM CODE 104
 (44) STRUCTURE TYPE APPR:MATERIAL- OTHER/NA
 TYPE- OTHER/NA CODE 000
 (45) NUMBER OF SPANS IN MAIN UNIT 1
 (46) NUMBER OF APPROACH SPANS 0
 (107) DECK STRUCTURE TYPE- CIP CONCRETE CODE 1
 (108) WEARING SURFACE / PROTECTIVE SYSTEM:
 A) TYPE OF WEARING SURFACE- BITUMINOUS CODE 6
 B) TYPE OF MEMBRANE- NONE CODE 0
 C) TYPE OF DECK PROTECTION- NONE CODE 0

***** AGE AND SERVICE *****

(27) YEAR BUILT 1925
 (106) YEAR RECONSTRUCTED 1942
 (42) TYPE OF SERVICE: ON- HIGHWAY 1
 UNDER- WATERWAY 5
 (28) LANES:ON STRUCTURE 02 UNDER STRUCTURE 00
 (29) AVERAGE DAILY TRAFFIC 6100
 (30) YEAR OF ADT 2011 (109) TRUCK ADT 10 %
 (19) BYPASS, DETOUR LENGTH 5 KM

***** GEOMETRIC DATA *****

(48) LENGTH OF MAXIMUM SPAN 9.6 M
 (49) STRUCTURE LENGTH 10.1 M
 (50) CURB OR SIDEWALK: LEFT 0.0 M RIGHT 0.0 M
 (51) BRIDGE ROADWAY WIDTH CURB TO CURB 8.6 M
 (52) DECK WIDTH OUT TO OUT 9.2 M
 (32) APPROACH ROADWAY WIDTH (W/SHOULDERS) 7.9 M
 (33) BRIDGE MEDIAN- NO MEDIAN 0
 (34) SKEW 6 DEG (35) STRUCTURE FLARED YES
 (10) INVENTORY ROUTE MIN VERT CLEAR 99.99 M
 (47) INVENTORY ROUTE TOTAL HORIZ CLEAR 8.6 M
 (53) MIN VERT CLEAR OVER BRIDGE RDWY 99.99 M
 (54) MIN VERT UNDERCLEAR REF- NOT H/RR 0.00 M
 (55) MIN LAT UNDERCLEAR RT REF- NOT H/RR 0.0 M
 (56) MIN LAT UNDERCLEAR LT 0.0 M

***** NAVIGATION DATA *****

(38) NAVIGATION CONTROL- NO CONTROL CODE 0
 (111) PIER PROTECTION- CODE
 (39) NAVIGATION VERTICAL CLEARANCE 0.0 M
 (116) VERT-LIFT BRIDGE NAV MIN VERT CLEAR M
 (40) NAVIGATION HORIZONTAL CLEARANCE 0.0 M

***** SUFFICIENCY RATING *****

SUFFICIENCY RATING = 48.5
 STATUS
 HEALTH INDEX 99.8
 PAINT CONDITION INDEX = N/A

***** CLASSIFICATION *****

CODE
 (112) NBIS BRIDGE LENGTH- YES Y
 (104) HIGHWAY SYSTEM- NOT ON NHS 0
 (26) FUNCTIONAL CLASS- MAJOR COLLECTOR RURAL 07
 (100) DEFENSE HIGHWAY- NOT STRAHNET 0
 (101) PARALLEL STRUCTURE- NONE EXISTS N
 (102) DIRECTION OF TRAFFIC- 2 WAY 2
 (103) TEMPORARY STRUCTURE-
 (105) FED.LANDS HWY- NOT APPLICABLE 0
 (110) DESIGNATED NATIONAL NETWORK - NOT ON NET 0
 (20) TOLL- ON FREE ROAD 3
 (21) MAINTAIN- COUNTY HIGHWAY AGENCY 02
 (22) OWNER- COUNTY HIGHWAY AGENCY 02
 (37) HISTORICAL SIGNIFICANCE- NOT ELIGIBLE 5

***** CONDITION *****

CODE
 (58) DECK 7
 (59) SUPERSTRUCTURE 7
 (60) SUBSTRUCTURE 7
 (61) CHANNEL & CHANNEL PROTECTION 7
 (62) CULVERTS N

***** LOAD RATING AND POSTING *****

CODE
 (31) DESIGN LOAD- UNKNOWN 0
 (63) OPERATING RATING METHOD- FIELD EVAL/ENG JUD 0
 (64) OPERATING RATING- 25.9
 (65) INVENTORY RATING METHOD- FIELD EVAL/ENG JUI 0
 (66) INVENTORY RATING- 15.6
 (70) BRIDGE POSTING- EQUAL TO OR ABOVE LEGAL LOADS 5
 (41) STRUCTURE OPEN, POSTED OR CLOSED- A
 DESCRIPTION- OPEN, NO RESTRICTION

***** APPRAISAL *****

CODE
 (67) STRUCTURAL EVALUATION 2
 (68) DECK GEOMETRY 2
 (69) UNDERCLEARANCES, VERTICAL & HORIZONTAL N
 (71) WATER ADEQUACY 8
 (72) APPROACH ROADWAY ALIGNMENT 8
 (36) TRAFFIC SAFETY FEATURES 0000
 (113) SCOUR CRITICAL BRIDGES U

***** PROPOSED IMPROVEMENTS *****

CODE
 (75) TYPE OF WORK-
 (76) LENGTH OF STRUCTURE IMPROVEMENT M
 (94) BRIDGE IMPROVEMENT COST
 (95) ROADWAY IMPROVEMENT COST
 (96) TOTAL PROJECT COST
 (97) YEAR OF IMPROVEMENT COST ESTIMATE
 (114) FUTURE ADT 22444
 (115) YEAR OF FUTURE ADT 2036

***** INSPECTIONS *****

(90) INSPECTION DATE 11/18 (91) FREQUENCY 24 MO
 (92) CRITICAL FEATURE INSPECTION: (93) CFI DATE
 A) FRACTURE CRIT DETAIL- NO MO A)
 B) UNDERWATER INSP- NO MO B)
 C) OTHER SPECIAL INSP- NO MO C)

COUNTY OF FRESNO
PUBLIC WORKS DEPT.
CONSTRUCTION DIVISION
SAMPLE SENT TO

Sample Identification
Card No.

B 14201

☒ Preliminary Test Prior to Award of Contract
☐ Potential Source Sampled After Award of Contract
☐ Control Tests on Materials Actually Entering Into Work
☐ Special Tests

☒ Mat'l's. Lab
☐ State lab.
Lot No. _____
Shipment No. _____
P.O. or Req. No. _____

Field No. 6
Lab. No. 22-0183
Contr. No. XX-XX-X
W.O. No. J11126
Fed. No. _____

Project Travers Creek Bridgeon Manning Ave

Limits of Work _____
Manning Ave.

Res. Eng. Or Supt. Rajdeep Singh

Address N/A

Contractor To Be Determined

Sample of Paint Chips

Sampled from CL Paint Chips 250 ft. W/O Travers Creek Bridge

Yellow Striping Paint _____ Depth _____

Location of source On site

Owner or Manufacturer
This sample is shipped in 1 and is one of a group of 1 Samples Representing L-4-1
(No. Containers) (Tons, Gals, Bbls., Sta, etc.)
Total quantity Available N/A Date Sampled 5/27/2022 Time 10:10 am A.M. P.M.
Test ☐ Normal ☐ Priority Date Received 5/27/2022
Results desired

Materials for use in Lead testing

Remarks: Lead

Cover additional information with letter

Sampled By Fabian Cuiriz Title Engr. Tech. I

FORM PW-HB-79

22-0183 Travers Creek Bridgeon Manning Ave XX-XX-X
Paint Chips

On site
Project No. J11126

Wet WT: _____
Dry WT: _____
DATE: _____

22-0183 Travers Creek Bridgeon Manning Ave XX-XX-X
Paint Chips

On site
Project No. J11126

Wet WT: _____
Dry WT: _____
DATE: _____

22-0183 Travers Creek Bridgeon Manning Ave XX-XX-X
Paint Chips

On site
Project No. J11126

Wet WT: _____
Dry WT: _____
DATE: _____

22-0183 Travers Creek Bridgeon Manning Ave XX-XX-X
Paint Chips

On site
Project No. J11126

Wet WT: _____ Dry WT: _____

COUNTY OF FRESNO
PUBLIC WORKS DEPT.
CONSTRUCTION DIVISION
SAMPLE SENT TO

Sample Identification
Card No.

B 14201

☒ Preliminary Test Prior to Award of Contract
☐ Potential Source Sampled After Award of Contract
☐ Control Tests on Materials Actually Entering Into Work
☐ Special Tests

☒ Mat'l's. Lab
☐ State lab.
Lot No. _____
Shipment No. _____
P.O. or Req. No. _____

Field No. 6
Lab. No. 22-0183
Contr. No. XX-XX-X
W.O. No. J11126
Fed. No. _____

Project Travers Creek Bridgeon Manning Ave

Limits of Work _____
Manning Ave.

Res. Eng. Or Supt. Rajdeep Singh

Address N/A

Contractor To Be Determined

Sample of Paint Chips

Sampled from CL Paint Chips 250 ft. W/O Travers Creek Bridge

Yellow Striping Paint _____ Depth _____

Location of source On site

Owner or Manufacturer
This sample is shipped in 1 and is one of a group of 1 Samples Representing L-4-1
(No. Containers) (Tons, Gals, Bbls., Sta, etc.)
Total quantity Available N/A Date Sampled 5/27/2022 Time 10:10 am A.M. P.M.
Test ☐ Normal ☐ Priority Date Received 5/27/2022
Results desired

Materials for use in Lead testing

Remarks: Lead

Cover additional information with letter

Sampled By Fabian Cuiriz Title Engr. Tech. I

FORM PW-HB-79

22-0183 Travers Creek Bridgeon Manning Ave XX-XX-X
Paint Chips

On site
Project No. J11126

Wet WT: _____
Dry WT: _____
DATE: _____

22-0183 Travers Creek Bridgeon Manning Ave XX-XX-X
Paint Chips

On site
Project No. J11126

Wet WT: _____
Dry WT: _____
DATE: _____

22-0183 Travers Creek Bridgeon Manning Ave XX-XX-X
Paint Chips

On site
Project No. J11126

Wet WT: _____
Dry WT: _____
DATE: _____

22-0183 Travers Creek Bridgeon Manning Ave XX-XX-X
Paint Chips

On site
Project No. J11126

Wet WT: _____ Dry WT: _____

COUNTY OF FRESNO
PUBLIC WORKS DEPT.
CONSTRUCTION DIVISION
SAMPLE SENT TO

Sample Identification
Card No.

B 14200

☒ Preliminary Test Prior to Award of Contract
☐ Potential Source Sampled After Award of Contract
☐ Control Tests on Materials Actually Entering Into Work
☐ Special Tests

☒ Mat'l's. Lab.
☐ State lab.
Lot No. _____
Shipment No. _____
P.O. or Req. No. _____

Field No. 5
Lab. No. 22-0182
Contr. No. XX-XX-X
W.O. No. J11126
Fed. No. _____

Project Travers Creek Bridgeon Manning Ave
Limits of Work _____
Manning Ave.
Res. Eng. Or Supt. Rajdeep Singh
Address N/A
Contractor To Be Determined
Sample of Paint Chips
Sampled from CL Paint Chips 650 ft. E/O Travers Creek Bridge
Yellow Striping Paint _____ Depth _____
Location of source On site

Owner or Manufacturer _____
This sample is shipped in 1 and is one of 1 Samples Representing L-3-1
(No. Containers) (Tons, Gals, Bbls., Sta, etc.)
Total quantity Available N/A Date Sampled 5/27/2022 Time 10:00 am A.M.
Test ☐ Normal ☐ Priority Date Received 5/27/2022
Results desired

Materials for use in Lead testing

Remarks: Lead

Cover additional information with letter

Sampled By Fabian Cuiriz Title Engr. Tech. I

FORM PW-HB-79

22-0182 Travers Creek Bridgeon Manning Ave XX-XX-X
Paint Chips

On site
Project No. J11126

Wet WT:

Dry WT:

DATE:

22-0182 Travers Creek Bridgeon Manning Ave XX-XX-X
Paint Chips

On site
Project No. J11126

Wet WT:

Dry WT:

DATE:

22-0182 Travers Creek Bridgeon Manning Ave XX-XX-X
Paint Chips

On site
Project No. J11126

Wet WT:

Dry WT:

DATE:

22-0182 Travers Creek Bridgeon Manning Ave XX-XX-X
Paint Chips

Project No. J11126 Wet WT: Dry WT: On site

COUNTY OF FRESNO
PUBLIC WORKS DEPT.
CONSTRUCTION DIVISION
SAMPLE SENT TO

Sample Identification
Card No.

B 14200

☒ Preliminary Test Prior to Award of Contract
☐ Potential Source Sampled After Award of Contract
☐ Control Tests on Materials Actually Entering Into Work
☐ Special Tests

☒ Mat'l's. Lab.
☐ State lab.
Lot No. _____
Shipment No. _____
P.O. or Req. No. _____

Field No. 5
Lab. No. 22-0182
Contr. No. XX-XX-X
W.O. No. J11126
Fed. No. _____

Project Travers Creek Bridgeon Manning Ave
Limits of Work _____
Manning Ave.
Res. Eng. Or Supt. Rajdeep Singh
Address N/A
Contractor To Be Determined
Sample of Paint Chips
Sampled from CL Paint Chips 650 ft. E/O Travers Creek Bridge
Yellow Striping Paint _____ Depth _____
Location of source On site

Owner or Manufacturer _____
This sample is shipped in 1 and is one of 1 Samples Representing L-3-1
(No. Containers) (Tons, Gals, Bbls., Sta, etc.)
Total quantity Available N/A Date Sampled 5/27/2022 Time 10:00 am A.M.
Test ☐ Normal ☐ Priority Date Received 5/27/2022
Results desired

Materials for use in Lead testing

Remarks: Lead

Cover additional information with letter

Sampled By Fabian Cuiriz Title Engr. Tech. I

FORM PW-HB-79

22-0182 Travers Creek Bridgeon Manning Ave XX-XX-X
Paint Chips

On site
Project No. J11126

Wet WT:

Dry WT:

DATE:

22-0182 Travers Creek Bridgeon Manning Ave XX-XX-X
Paint Chips

On site
Project No. J11126

Wet WT:

Dry WT:

DATE:

22-0182 Travers Creek Bridgeon Manning Ave XX-XX-X
Paint Chips

On site
Project No. J11126

Wet WT:

Dry WT:

DATE:

22-0182 Travers Creek Bridgeon Manning Ave XX-XX-X
Paint Chips

Project No. J11126 Wet WT: Dry WT: On site

COUNTY OF FRESNO
PUBLIC WORKS DEPT.
CONSTRUCTION DIVISION
SAMPLE SENT TO

Sample Identification
Card No.

B 14199

☒ Preliminary Test Prior to Award of Contract	☒ Mat'l's. Lab	Field No. <u>4</u>
☐ Potential Source Sampled After Award of Contract	☐ State lab.	Lab. No. <u>22-0181</u>
☐ Control Tests on Materials Actually Entering Into Work	Lot No. _____	Contr. No. <u>XX-XX-X</u>
☐ Special Tests	Shipment No. _____	W.O. No. <u>J11126</u>
	P.O. or Req. No. _____	Fed. No. _____

Project Travers Creek Bridgeon Manning Ave

Limits of Work _____
Manning Ave.

Res. Eng. Or Supt. Rajdeep Singh

Address N/A

Contractor To Be Determined

Sample of Paint Chips

Sampled from CL Paint Chips 350 ft. E/O Travers Creek Bridge

Yellow Striping Paint Depth _____

Location of source On site

Owner or Manufacturer _____

This sample is shipped in 1 and is one of a group of 1 Samples Representing L-2-1
(No. Containers) (Tons, Gals, Bbls., Sta., etc.)

Total quantity Available N/A Date Sampled 5/27/2022 Time 9:50 am A.M. P.M.

Test Results desired ☐ Normal ☐ Priority Date Received 5/27/2022

Materials for use in Lead testing

Remarks: Lead

Cover additional information with letter

Sampled By Fabian Cuiriz Title Engr. Tech. I

FORM PW-HB-79

22-0181 Travers Creek Bridgeon Manning Ave XX-XX-X
Paint Chips

On site
Project No. J11126

Wet WT:

Dry WT:

DATE: _____

22-0181 Travers Creek Bridgeon Manning Ave XX-XX-X
Paint Chips

On site
Project No. J11126

Wet WT:

Dry WT:

DATE: _____

22-0181 Travers Creek Bridgeon Manning Ave XX-XX-X
Paint Chips

On site
Project No. J11126

Wet WT:

Dry WT:

DATE: _____

22-0181 Travers Creek Bridgeon Manning Ave XX-XX-X
Paint Chips

On site
Project No. J11126

Wet WT:

Dry WT:

COUNTY OF FRESNO
PUBLIC WORKS DEPT.
CONSTRUCTION DIVISION
SAMPLE SENT TO

Sample Identification
Card No.

B 14199

☒ Preliminary Test Prior to Award of Contract	☒ Mat'l's. Lab	Field No. <u>4</u>
☐ Potential Source Sampled After Award of Contract	☐ State lab.	Lab. No. <u>22-0181</u>
☐ Control Tests on Materials Actually Entering Into Work	Lot No. _____	Contr. No. <u>XX-XX-X</u>
☐ Special Tests	Shipment No. _____	W.O. No. <u>J11126</u>
	P.O. or Req. No. _____	Fed. No. _____

Project Travers Creek Bridgeon Manning Ave

Limits of Work _____
Manning Ave.

Res. Eng. Or Supt. Rajdeep Singh

Address N/A

Contractor To Be Determined

Sample of Paint Chips

Sampled from CL Paint Chips 350 ft. E/O Travers Creek Bridge

Yellow Striping Paint Depth _____

Location of source On site

Owner or Manufacturer _____

This sample is shipped in 1 and is one of a group of 1 Samples Representing L-2-1
(No. Containers) (Tons, Gals, Bbls., Sta., etc.)

Total quantity Available N/A Date Sampled 5/27/2022 Time 9:50 am A.M. P.M.

Test Results desired ☐ Normal ☐ Priority Date Received 5/27/2022

Materials for use in Lead testing

Remarks: Lead

Cover additional information with letter

Sampled By Fabian Cuiriz Title Engr. Tech. I

FORM PW-HB-79

22-0181 Travers Creek Bridgeon Manning Ave XX-XX-X
Paint Chips

On site
Project No. J11126

Wet WT:

Dry WT:

DATE: _____

22-0181 Travers Creek Bridgeon Manning Ave XX-XX-X
Paint Chips

On site
Project No. J11126

Wet WT:

Dry WT:

DATE: _____

22-0181 Travers Creek Bridgeon Manning Ave XX-XX-X
Paint Chips

On site
Project No. J11126

Wet WT:

Dry WT:

DATE: _____

22-0181 Travers Creek Bridgeon Manning Ave XX-XX-X
Paint Chips

On site
Project No. J11126

Wet WT:

Dry WT:

COUNTY OF FRESNO
PUBLIC WORKS DEPT.
CONSTRUCTION DIVISION
SAMPLE SENT TO

Sample Identification
Card No.

B 14198

☒ Preliminary Test Prior to Award of Contract
☐ Potential Source Sampled After Award of Contract
☐ Control Tests on Materials Actually Entering Into Work
☐ Special Tests

☒ Mat'l's. Lab.
☐ State lab.
Lot No. _____
Shipment No. _____
P.O. or Req. No. _____

Field No. 3
Lab. No. 22-0180
Contr. No. XX-XX-X
W.O. No. J11126
Fed. No. _____

Project Travers Creek Bridgeon Manning Ave
Limits of Work _____
Manning Ave.
Res. Eng. Or Supt. Rajdeep Singh
Address N/A
Contractor To Be Determined
Sample of Paint Chips
Sampled from Travers Creek Bridge CL
Yellow Stripping Paint Depth _____
Location of source On site

Owner or Manufacturer _____
This sample is shipped in 1 and is one of a group of 1 Samples Representing L-1-3
(No. Containers) (Tons, Gals, Bbls., Sta, etc.)
Total quantity Available N/A Date Sampled 5/27/2022 Time 9:30 am A.M. P.M.
Test ☐ Normal ☐ Priority Date Received 5/27/2022
Results desired

Materials for use in Lead testing

Remarks: Lead

Cover additional information with letter

Sampled By Fabian Cuiriz Title Engr. Tech. I

FORM PW-HB-79

22-0180 Travers Creek Bridgeon Manning Ave XX-XX-X
Paint Chips

On site
Project No. J11126

Wet WT:

Dry WT:

DATE:

22-0180 Travers Creek Bridgeon Manning Ave XX-XX-X
Paint Chips

On site
Project No. J11126

Wet WT:

Dry WT:

DATE:

22-0180 Travers Creek Bridgeon Manning Ave XX-XX-X
Paint Chips

On site
Project No. J11126

Wet WT:

Dry WT:

DATE:

22-0180 Travers Creek Bridgeon Manning Ave XX-XX-X
Paint Chips

Project No. J11126 Wet WT: Dry WT: On site

COUNTY OF FRESNO
PUBLIC WORKS DEPT.
CONSTRUCTION DIVISION
SAMPLE SENT TO

Sample Identification
Card No.

B 14198

☒ Preliminary Test Prior to Award of Contract
☐ Potential Source Sampled After Award of Contract
☐ Control Tests on Materials Actually Entering Into Work
☐ Special Tests

☒ Mat'l's. Lab.
☐ State lab.
Lot No. _____
Shipment No. _____
P.O. or Req. No. _____

Field No. 3
Lab. No. 22-0180
Contr. No. XX-XX-X
W.O. No. J11126
Fed. No. _____

Project Travers Creek Bridgeon Manning Ave
Limits of Work _____
Manning Ave.
Res. Eng. Or Supt. Rajdeep Singh
Address N/A
Contractor To Be Determined
Sample of Paint Chips
Sampled from Travers Creek Bridge CL
Yellow Stripping Paint Depth _____
Location of source On site

Owner or Manufacturer _____
This sample is shipped in 1 and is one of a group of 1 Samples Representing L-1-3
(No. Containers) (Tons, Gals, Bbls., Sta, etc.)
Total quantity Available N/A Date Sampled 5/27/2022 Time 9:30 am A.M. P.M.
Test ☐ Normal ☐ Priority Date Received 5/27/2022
Results desired

Materials for use in Lead testing

Remarks: Lead

Cover additional information with letter

Sampled By Fabian Cuiriz Title Engr. Tech. I

FORM PW-HB-79

22-0180 Travers Creek Bridgeon Manning Ave XX-XX-X
Paint Chips

On site
Project No. J11126

Wet WT:

Dry WT:

DATE:

22-0180 Travers Creek Bridgeon Manning Ave XX-XX-X
Paint Chips

On site
Project No. J11126

Wet WT:

Dry WT:

DATE:

22-0180 Travers Creek Bridgeon Manning Ave XX-XX-X
Paint Chips

On site
Project No. J11126

Wet WT:

Dry WT:

DATE:

22-0180 Travers Creek Bridgeon Manning Ave XX-XX-X
Paint Chips

Project No. J11126 Wet WT: Dry WT: On site

COUNTY OF FRESNO
PUBLIC WORKS DEPT.
CONSTRUCTION DIVISION
SAMPLE SENT TO

Sample Identification
Card No.

B 14197

☒ Preliminary Test Prior to Award of Contract
☐ Potential Source Sampled After Award of Contract
☐ Control Tests on Materials Actually Entering Into Work
☐ Special Tests

☒ Mat'l's. Lab
☐ State lab.
Lot No. _____
Shipment No. _____
P.O. or Req. No. _____

Field No. 2
Lab. No. 22-0179
Contr. No. XX-XX-X
W.O. No. J11126
Fed. No. _____

Project Travers Creek Bridgeon Manning Ave
Limits of Work _____
Manning Ave
Res. Eng. Or Supt. Rajdeep Singh
Address N/A
Contractor To Be Determined
Sample of Paint Chips
Sampled from Travers Creek Bridge E/B Headwall
White Paint Chips Depth _____
Location of source On site

Owner or Manufacturer _____
This sample is shipped in 1 and is one of a group of 1 Samples Representing L-1-2
(No. Containers) (Tons, Gals, Bbls., Sta, etc.)
Total quantity Available N/A Date Sampled 5/27/2022 Time 9:30 am A.M. P.M.
Test ☐ Normal ☐ Priority Date Received 5/27/2022
Results desired

Materials for use in Lead testing
Remarks: Lead

Cover additional information with letter
Sampled By Fabian Cuiriz Title Engr. Tech. I

FORM PW-HB-79

22-0179 Travers Creek Bridgeon Manning Ave XX-XX-X
Paint Chips
On site
Project No. J11126
Wet WT:
Dry WT:
DATE:

22-0179 Travers Creek Bridgeon Manning Ave XX-XX-X
Paint Chips
On site
Project No. J11126
Wet WT:
Dry WT:
DATE:

22-0179 Travers Creek Bridgeon Manning Ave XX-XX-X
Paint Chips
On site
Project No. J11126
Wet WT:
Dry WT:
DATE:

22-0179 Travers Creek Bridgeon Manning Ave XX-XX-X
Paint Chips
On site
Project No. J11126
Wet WT:
Dry WT:

COUNTY OF FRESNO
PUBLIC WORKS DEPT.
CONSTRUCTION DIVISION
SAMPLE SENT TO

Sample Identification
Card No.

B 14197

☒ Preliminary Test Prior to Award of Contract
☐ Potential Source Sampled After Award of Contract
☐ Control Tests on Materials Actually Entering Into Work
☐ Special Tests

☒ Mat'l's. Lab
☐ State lab.
Lot No. _____
Shipment No. _____
P.O. or Req. No. _____

Field No. 2
Lab. No. 22-0179
Contr. No. XX-XX-X
W.O. No. J11126
Fed. No. _____

Project Travers Creek Bridgeon Manning Ave
Limits of Work _____
Manning Ave
Res. Eng. Or Supt. Rajdeep Singh
Address N/A
Contractor To Be Determined
Sample of Paint Chips
Sampled from Travers Creek Bridge E/B Headwall
White Paint Chips Depth _____
Location of source On site

Owner or Manufacturer _____
This sample is shipped in 1 and is one of a group of 1 Samples Representing L-1-2
(No. Containers) (Tons, Gals, Bbls., Sta, etc.)
Total quantity Available N/A Date Sampled 5/27/2022 Time 9:30 am A.M. P.M.
Test ☐ Normal ☐ Priority Date Received 5/27/2022
Results desired

Materials for use in Lead testing
Remarks: Lead

Cover additional information with letter
Sampled By Fabian Cuiriz Title Engr. Tech. I

FORM PW-HB-79

22-0179 Travers Creek Bridgeon Manning Ave XX-XX-X
Paint Chips
On site
Project No. J11126
Wet WT:
Dry WT:
DATE:

22-0179 Travers Creek Bridgeon Manning Ave XX-XX-X
Paint Chips
On site
Project No. J11126
Wet WT:
Dry WT:
DATE:

22-0179 Travers Creek Bridgeon Manning Ave XX-XX-X
Paint Chips
On site
Project No. J11126
Wet WT:
Dry WT:
DATE:

22-0179 Travers Creek Bridgeon Manning Ave XX-XX-X
Paint Chips
On site
Project No. J11126
Wet WT:
Dry WT:

COUNTY OF FRESNO
PUBLIC WORKS DEPT.
CONSTRUCTION DIVISION
SAMPLE SENT TO

Sample Identification
Card No.

B 14196

☒ Preliminary Test Prior to Award of Contract
☐ Potential Source Sampled After Award of Contract
☐ Control Tests on Materials Actually Entering Into Work
☐ Special Tests

☒ Mat'l's. Lab
☐ State lab.
Lot No. _____
Shipment No. _____
P.O. or Req. No. _____

Field No. 1
Lab. No. 22-0178
Contr. No. XX-XX-X
W.O. No. J11126
Fed. No. _____

Project Travers Creek Bridgeon Manning Ave
Limits of Work _____
Manning Ave
Res. Eng. Or Supt. Rajdeep Singh
Address N/A
Contractor To Be Determined
Sample of Paint Chips
Sampled from Travers Creek Bridge W/B Headwall
White Paint Chips Depth _____
Location of source On site

Owner or Manufacturer _____
This sample is shipped in 1 and is one of a group of 1 Samples Representing L-1-1
(No. Containers) (Tons, Gals, Bbls., Sta, etc.)
Total quantity Available _____ Date Sampled 5/27/2022 Time 9:30 am A.M. P.M.
Test ☐ Normal ☐ Priority Date Received 5/27/2022
Results desired

Materials for use in Lead testing

Remarks: Lead

Cover additional information with letter

Sampled By Fabian Cuiriz Title Engr. Tech. I

FORM PW-HB-79

22-0178 Travers Creek Bridgeon Manning Ave XX-XX-X
Paint Chips

On site
Project No. J11126

Wet WT:

Dry WT:

DATE:

22-0178 Travers Creek Bridgeon Manning Ave XX-XX-X
Paint Chips

On site
Project No. J11126

Wet WT:

Dry WT:

DATE:

22-0178 Travers Creek Bridgeon Manning Ave XX-XX-X
Paint Chips

On site
Project No. J11126

Wet WT:

Dry WT:

DATE:

22-0178 Travers Creek Bridgeon Manning Ave XX-XX-X
Paint Chips

On site
Project No. J11126

Wet WT:

Dry WT:

DATE:

Project No. J11126

COUNTY OF FRESNO
PUBLIC WORKS DEPT.
CONSTRUCTION DIVISION
SAMPLE SENT TO

Sample Identification
Card No.

B 14196

☒ Preliminary Test Prior to Award of Contract
☐ Potential Source Sampled After Award of Contract
☐ Control Tests on Materials Actually Entering Into Work
☐ Special Tests

☒ Mat'l's. Lab
☐ State lab.
Lot No. _____
Shipment No. _____
P.O. or Req. No. _____

Field No. 1
Lab. No. 22-0178
Contr. No. XX-XX-X
W.O. No. J11126
Fed. No. _____

Project Travers Creek Bridgeon Manning Ave
Limits of Work _____
Manning Ave
Res. Eng. Or Supt. Rajdeep Singh
Address N/A
Contractor To Be Determined
Sample of Paint Chips
Sampled from Travers Creek Bridge W/B Headwall
White Paint Chips Depth _____
Location of source On site

Owner or Manufacturer _____
This sample is shipped in 1 and is one of a group of 1 Samples Representing L-1-1
(No. Containers) (Tons, Gals, Bbls., Sta, etc.)
Total quantity Available _____ Date Sampled 5/27/2022 Time 9:30 am A.M. P.M.
Test ☐ Normal ☐ Priority Date Received 5/27/2022
Results desired

Materials for use in Lead testing

Remarks: Lead

Cover additional information with letter

Sampled By Fabian Cuiriz Title Engr. Tech. I

FORM PW-HB-79

22-0178 Travers Creek Bridgeon Manning Ave XX-XX-X
Paint Chips

On site
Project No. J11126

Wet WT:

Dry WT:

DATE:

22-0178 Travers Creek Bridgeon Manning Ave XX-XX-X
Paint Chips

On site
Project No. J11126

Wet WT:

Dry WT:

DATE:

22-0178 Travers Creek Bridgeon Manning Ave XX-XX-X
Paint Chips

On site
Project No. J11126

Wet WT:

Dry WT:

DATE:

22-0178 Travers Creek Bridgeon Manning Ave XX-XX-X
Paint Chips

On site
Project No. J11126

Wet WT:

Dry WT:

DATE:

Project No. J11126



BSK Associates Laboratory Fresno
1414 Stanislaus St
Fresno, CA 93706
559-497-2888 (Main)

AFG0669

8/08/2022

Invoice: AF19701

Rajdeep Singh
County of Fresno
4553 E. Hamilton Ave, Bldg 413
Fresno, CA 93702

RE: Report for AFG0669 General

Dear Rajdeep Singh,

Thank you for using BSK Associates for your analytical testing needs. In the following pages, you will find the test results for the samples submitted to our laboratory on 7/7/2022. The results have been approved for release by our Laboratory Director as indicated by the authorizing signature below.

The samples were analyzed for the test(s) indicated on the Chain of Custody (see attached) and the results relate only to the samples analyzed. BSK certifies that the testing was performed in accordance with the quality system requirements specified in the 2016 TNI Standard. Any deviations from this standard or from the method requirements for each test procedure performed will be annotated alongside the analytical result or noted in the Case Narrative. Unless otherwise noted, the sample results are reported on an "as received" basis.

This certificate of analysis shall not be reproduced except in full, without written approval of the laboratory.

If additional clarification of any information is required, please contact your Project Manager, Michelle Croft, at 559-497-2888.

Thank you again for using BSK Associates. We value your business and appreciate your loyalty.

Sincerely,

A handwritten signature in black ink that reads 'Michelle Croft'.

Michelle Croft, Project Manager



Accredited in Accordance with NELAP
ORELAP #4021



Case Narrative

Project and Report Details

Client: County of Fresno
Report To: Rajdeep Singh
Project #: Travers Creek Bridge on Manning Ave. J11126
Received: 7/07/2022 - 11:32
Report Due: 8/01/2022

Invoice Details

Invoice To: County of Fresno
Invoice Attn: Stephen Polfer
Project PO#: 5122300001

Sample Receipt Conditions

Cooler: Default Cooler
Temperature on Receipt °C: 25.0

Containers Intact
COC/Labels Agree
Received with no thermal preservation.
Packing Material - Other
Initial receipt at BSK-FAL

Data Qualifiers

The following qualifiers have been applied to one or more analytical results:

None applied

Report Distribution

Recipient(s)	Report Format	CC:
Rajdeep Singh	FINAL.RPT	spolfer@fresnocountyca.gov

**AFG0669****General**

Travers Creek Bridge on Manning Ave. J11126

Certificate of Analysis**Sample ID:** AFG0669-01**Sampled By:** Fabian Cuiriz**Sample Description:** L1-1, W/B Headwall of Travers Creek Bridge on Manning // 22-0178**Sample Date - Time:** 05/27/2022 - 09:30**Matrix:** Solid**Sample Type:** Grab**BSK Associates Laboratory Fresno****Metals**

Analyte	Method	Result	MDL	RL	Units	RL Mult	Batch	Prepared	Analyzed	Qual
Lead	EPA 6010B	2000	25	50	mg/kg	1	AFG0661	07/12/22	07/14/22	
Lead, WET	EPA 6010B	130		5.0	mg/L	1	AFG1715	07/28/22	08/04/22	

**AFG0669****General**

Travers Creek Bridge on Manning Ave. J11126

Certificate of Analysis**Sample ID:** AFG0669-02**Sampled By:** Fabian Cuiriz**Sample Description:** L1-2, E/B Headwall of Travers Creek Bridge on Manning // 22-0179**Sample Date - Time:** 05/27/2022 - 09:30**Matrix:** Solid**Sample Type:** Grab**BSK Associates Laboratory Fresno****Metals**

Analyte	Method	Result	MDL	RL	Units	RL Mult	Batch	Prepared	Analyzed	Qual
Lead	EPA 6010B	72	25	50	mg/kg	1	AFG0661	07/12/22	07/14/22	
Lead, WET	EPA 6010B	ND		5.0	mg/L	1	AFG1715	07/28/22	08/04/22	

**AFG0669****General**

Travers Creek Bridge on Manning Ave. J11126

Certificate of Analysis**Sample ID:** AFG0669-03**Sampled By:** Fabian Cuiriz**Sample Description:** L1-3, CL of Travers Creek Bridge on Manning (paint chip) // 22-0180**Sample Date - Time:** 05/27/2022 - 09:30**Matrix:** Solid**Sample Type:** Grab**BSK Associates Laboratory Fresno****Metals**

Analyte	Method	Result	MDL	RL	Units	RL Mult	Batch	Prepared	Analyzed	Qual
Lead	EPA 6010B	5600	25	50	mg/kg	1	AFG0661	07/12/22	07/14/22	
Lead, WET	EPA 6010B	ND		5.0	mg/L	1	AFG1715	07/28/22	08/04/22	

**AFG0669****General**

Travers Creek Bridge on Manning Ave. J11126

Certificate of Analysis**Sample ID:** AFG0669-04**Sampled By:** Fabian Cuiriz**Sample Description:** L2-1 CL 350 ft. E/O Travers Creek Bridge on Manning // 22-0181**Sample Date - Time:** 05/27/2022 - 09:50**Matrix:** Solid**Sample Type:** Grab**BSK Associates Laboratory Fresno****Metals**

Analyte	Method	Result	MDL	RL	Units	RL Mult	Batch	Prepared	Analyzed	Qual
Lead	EPA 6010B	5300	25	50	mg/kg	1	AFG0661	07/12/22	07/14/22	
Lead, WET	EPA 6010B	ND		5.0	mg/L	1	AFG1715	07/28/22	08/04/22	

**AFG0669****General**

Travers Creek Bridge on Manning Ave. J11126

Certificate of Analysis**Sample ID:** AFG0669-05**Sampled By:** Fabian Cuiriz**Sample Description:** L3-1 CL 650 ft. E/O Travers Creek Bridge on Manning // 22-0182**Sample Date - Time:** 05/27/2022 - 10:00**Matrix:** Solid**Sample Type:** Grab**BSK Associates Laboratory Fresno****Metals**

Analyte	Method	Result	MDL	RL	Units	RL Mult	Batch	Prepared	Analyzed	Qual
Lead	EPA 6010B	4200	25	50	mg/kg	1	AFG0661	07/12/22	07/14/22	
Lead, WET	EPA 6010B	ND		5.0	mg/L	1	AFG1715	07/28/22	08/04/22	

**AFG0669****General**

Travers Creek Bridge on Manning Ave. J11126

Certificate of Analysis**Sample ID:** AFG0669-06**Sampled By:** Fabian Cuiriz**Sample Description:** L4-1 CL 250 ft. W/O Travers Creek Bridge on Manning // 22-0183**Sample Date - Time:** 05/27/2022 - 10:10**Matrix:** Solid**Sample Type:** Grab**BSK Associates Laboratory Fresno****Metals**

Analyte	Method	Result	MDL	RL	Units	RL Mult	Batch	Prepared	Analyzed	Qual
Lead	EPA 6010B	5600	25	50	mg/kg	1	AFG0661	07/12/22	07/14/22	
Lead, WET	EPA 6010B	ND		5.0	mg/L	1	AFG1715	07/28/22	08/04/22	



AFG0669

General

BSK Associates Laboratory Fresno

Metals Quality Control Report

Analyte	Result	MDL	RL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Date Analyzed	Qual
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EPA 6010B - Quality Control

Batch: AFG0661

Prepared: 7/12/2022

Prep Method: EPA 3050B

Analyst: CMF

Blank (AFG0661-BLK3)

Lead	ND	25	50	mg/kg							07/14/22	
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Blank Spike (AFG0661-BS3)

Lead	100	25	50	mg/kg	100		103	75-125			07/14/22	
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Blank Spike Dup (AFG0661-BSD3)

Lead	100	25	50	mg/kg	100		102	75-125	1	20	07/14/22	
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Matrix Spike (AFG0661-MS3), Source: AFG0434-01

Lead	100	25	50	mg/kg	100	ND	101	75-125			07/14/22	
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Matrix Spike Dup (AFG0661-MSD3), Source: AFG0434-01

Lead	100	25	50	mg/kg	100	ND	100	75-125	0	20	07/14/22	
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EPA 6010B - Quality Control

Batch: AFG1715

Prepared: 7/28/2022

Prep Method: EPA 3010A for STLC/DISTLC

Analyst: CMF

Blank (AFG1715-BLK2)

Lead, WET	ND		5.0	mg/L							08/04/22	
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Blank Spike (AFG1715-BS2)

Lead, WET	7.7		5.0	mg/L	8.0	ND	96	75-125			08/04/22	
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Blank Spike Dup (AFG1715-BSD2)

Lead, WET	7.6		5.0	mg/L	8.0	ND	95	75-125	1	20	08/04/22	
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Duplicate (AFG1715-DUP2), Source: AFG0669-05

Lead, WET	ND		5.0	mg/L		ND				20	08/04/22	
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Matrix Spike (AFG1715-MS2), Source: AFG0669-05

Lead, WET	8.3		5.0	mg/L	8.0	ND	104	75-125			08/04/22	
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Matrix Spike Dup (AFG1715-MSD2), Source: AFG0669-05

Lead, WET	8.2		5.0	mg/L	8.0	ND	103	75-125	1	20	08/04/22	
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The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

AFG0669 FINAL 08082022 1301

Certificate of Analysis

Notes:

- The Chain of Custody document and Sample Integrity Sheet are part of the analytical report.
- Any remaining sample(s) for testing will be disposed of according to BSK's sample retention policy unless other arrangements are made in advance.
- All positive results for EPA Methods 504.1 and 524.2 require the analysis of a Field Reagent Blank (FRB) to confirm that the results are not a contamination error from field sampling steps. If Field Reagent Blanks were not submitted with the samples, this method requirement has not been performed.
- Samples collected by BSK Analytical Laboratories were collected in accordance with the BSK Sampling and Collection Standard Operating Procedures.
- J-value is equivalent to DNQ (Detected, not quantified) which is a trace value. A trace value is an analyte detected between the MDL and the laboratory reporting limit. This result is of an unknown data quality and is only qualitative (estimated). Baseline noise, calibration curve extrapolation below the lowest calibrator, method blank detections, and integration artifacts can all produce apparent DNQ values, which contribute to the un-reliability of these values.
- (1) - Residual chlorine and pH analysis have a 15 minute holding time for both drinking and waste water samples as defined by the EPA and 40 CFR 136. Waste water and ground water (monitoring well) samples must be field filtered to meet the 15 minute holding time for dissolved metals.
- Field tests are outside the scope of laboratory accreditation and there is no certification available for field testing.
- Summations of analytes (i.e. Total Trihalomethanes) may appear to add individual amounts incorrectly, due to rounding of analyte values occurring before or after the total value is calculated, as well as rounding of the total value.
- RL Multiplier is the factor used to adjust the reporting limit (RL) due to variations in sample preparation procedures and dilutions required for matrix interferences.
- Due to the subjective nature of the Threshold Odor Method, all characterizations of the detected odor are the opinion of the panel of analysts. The characterizations can be found in Standard Methods 2170B Figure 2170:1.
- The MCLs provided in this report (if applicable) represent the primary MCLs for that analyte.
- (2) - Formerly known as Bis(2-Chloroisopropyl) ether.
Unless otherwise noted, TOC results by SM 5310C method do not include purgeable organic carbon, which is removed along with the inorganic carbon interference. The POC contribution to TOC is considered to be negligible.

Certificate of Analysis

Definitions

mg/L:	Milligrams/Liter (ppm)	MDL:	Method Detection Limit	MDA95:	Min. Detected Activity
mg/Kg:	Milligrams/Kilogram (ppm)	RL:	Reporting Limit: DL x Dilution	MPN:	Most Probable Number
µg/L:	Micrograms/Liter (ppb)	ND:	None Detected below MRL/MDL	CFU:	Colony Forming Unit
µg/Kg:	Micrograms/Kilogram (ppb)	pCi/L:	PicoCuries per Liter	Absent:	Less than 1 CFU/100mLs
%:	Percent	RL Mult:	RL Multiplier	Present:	1 or more CFU/100mLs
NR:	Non-Reportable	MCL:	Maximum Contaminant Limit	U:	The analyte was not detected at or above the reported sample quantitation limit.

Please see the individual Subcontract Lab's report for applicable certifications.

The following parameters are calculated values and are outside the scope of our NELAP accreditation:

Total Nitrogen Aggressive Index Trivalent Chromium

BSK is not accredited under the NELAP program for the following additional parameters:

Lead, WET

Certifications: Please refer to our website for a copy of our Accredited Fields of Testing under each certification.

Fresno

State of California - ELAP	1180	State of Hawaii	4021
Los Angeles CSD	9254479	NELAP certified	4021-019
State of Nevada	CA000792022-1	State of Oregon - NELAP	4021-019
EPA UCMR5	CA00079	State of Washington	C997-22a

Sacramento

State of California - ELAP	2435
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San Bernardino

State of California - ELAP	2993	Los Angeles CSD	9254478
NELAP certified	4119-006	State of Oregon - NELAP	4119-006

Vancouver

NELAP certified	WA100008-015	State of Oregon - NELAP	WA100008-015
State of Washington	C824-21		



10

Sample Integrity

BSK Bottles: Yes No Page 1 of 1

COC Info		Yes		No		NA		Were correct containers and preservatives received for the tests requested?		Yes		No		NA	
Was temperature within range?		Yes		No		NA				Yes		No		NA	
Chemistry $\leq 6^{\circ}\text{C}$ Micro $< 8^{\circ}\text{C}$															
If samples were taken today, is there evidence that chilling has begun?		Yes		No		NA		Bubbles Present VOAs (524.2/TTHM/TCP)?		Yes		No		NA	
Did all bottles arrive unbroken and intact?		Yes		No				TB Received? (Check Method Below)		Yes		No		NA	
Did all bottle labels agree with COC?		Yes		No				Was a sufficient amount of sample received?		Yes		No			
Was sodium thiosulfate added to CN sample(s) until chlorine was no longer present?		Yes		NA				Do samples have a hold time <72 hours?		Yes		No			
		Yes		NA				Was PM notified of discrepancies?		Yes		No		NA	
								PM:							
								By/Time:							
250ml(A) 500ml(B) 1Liter(C) 40ml/VOA(V) 125ml(D)		Checks		Passed?		1-6									
Bacti Na ₂ S ₂ O ₃		—		—											
None (P) White Cap		—		—											
Cr6 (P) Lt. Green Label/Blue Cap NH ₄ OH(NH ₄) ₂ SO ₄ DW		Cl, pH > 8		P F											
Cr6 (P) Pink Label/Blue Cap NH ₄ OH(NH ₄) ₂ SO ₄ WW		pH 9.3-9.7		P F											
Cr6 (P) Black Label/Blue Cap NH ₄ OH(NH ₄) ₂ SO ₄ 7199 ***24 HOUR HOLD TIME***		pH 9.0-9.5		P F											
HNO ₃ (P) Red Cap or HCl (P) Purple Cap/Lt. Blue Label		—		—											
H ₂ SO ₄ (P) or (AG) Yellow Cap/Label		pH < 2		P F											
NaOH (P) Green Cap		Cl, pH > 10		P F											
NaOH + ZnAc (P)		pH > 9		P F											
Dissolved Oxygen 300ml (g)		—		—											
None (AG) 608/8081/8082, 625, 632/8321, 8151, 8270		—		—											
HCl (AG) Lt. Blue Label O&G, Diesel, TCP		—		—											
Ascorbic, EDTA, KH ₂ Ct (AG) Pink Label 525		—		—											
Na ₂ SO ₃ 250mL (AG) Neon Green Label 515		—		—											
Na ₂ S ₂ O ₃ 1 Liter (Brown P) 549		—		—											
Na ₂ S ₂ O ₃ (AG) Blue Label 548, THM, 524		—		—											
Na ₂ S ₂ O ₃ (CG) Blue Label 504, 505, 547		—		—											
Na ₂ S ₂ O ₃ + MCAA (CG) Orange Label 531		pH < 3		P F											
NH ₄ Cl (AG) Purple Label 552		—		—											
EDA (P) or (AG) Brown Label DBPs		—		—											
HCL (CG) 524.2, BTEX, Gas, MTBE, 8260/624		—		—											
Buffer pH 4 (CG)		—		—											
H ₃ PO ₄ (CG) Salmon Label		—		—											
Trizma – EPA 537.1 - Field Blank Required		—		—											
Other:		—		—											
Asbestos 1L (P) w/ Foil / LL Metals Bottle		—		—											
Bottled Water		—		—											
Clear Glass		—		—											
Solids: Brass / Steel / Plastic Bag		—		—											
Container		Preservative		Lot #		Initials		Date/Time		Preservation		Check			
S P										pH Lot #					
S P										Cl Lot #					
Comments		*Preservation check completed by lab performing analysis.		✓ Indicates Blanks Received		504		524.2		TTHM		537.1		TCP	
				✓ MS/MSD Received Method:											

Scanned: 2024 Rush/Short HT Page: _____ Time: _____

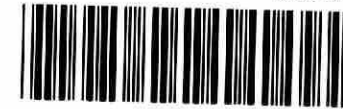


1414 Stanislaus St., Fresno, CA 93706
(559) 497-2888 • Fax (559) 497-2893
www.bskassociates.com

Turnaround Time Request

- ☐ Standard - 10 business days
☒ Rush (Surcharge may apply)
Date needed:

AFG0669 Count7895 07/07/2022



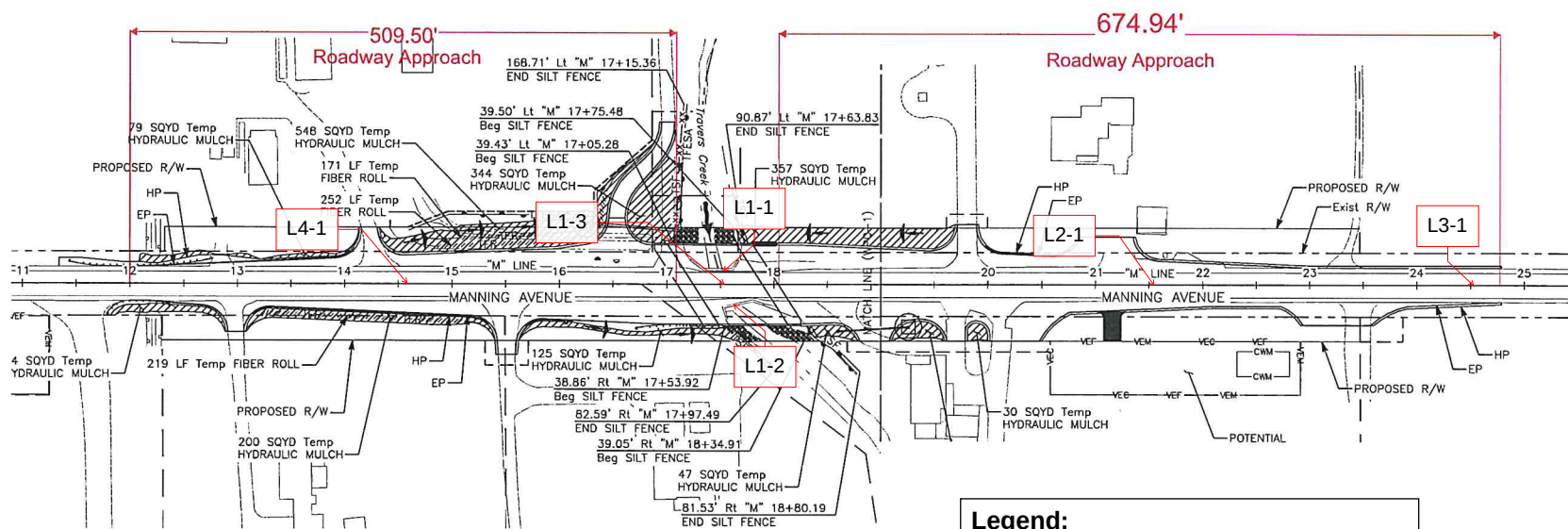
10 DY

*Required Fields

Temp:

Company/Client Name*: County of Fresno Materials Testing Lab		Report Attention*: Rajdeep Singh Additional cc's: Stephen Polfer		Invoice To*: Stephen Polfer PO#: 5122300001		Phone*: 559-600-7895		Fax: 600-7621	
Address*: 4553 E. Hamilton Ave Bldg #413		City*: Fresno		State*: CA		Zip*: 93702		E-mail*: rsingh@fresnocountyca.gov	
Project: Travers Creek Bridge on Manning Ave.		Project #: J11126		How would you like to receive your completed results?: ☒ E-Mail ☐ Fax ☐ Mail					
Reporting Options: ☐ Triax (J-Flag) ☐ Swamp ☐ EDD Type:		Regulatory Carbon Copies: ☐ SWRCB (Drinking Water) ☐ Merced Co. ☐ Fresno Co. ☐ Madera Co. ☐ Tulare Co. ☐ Other:		Regulatory Compliance: ☐ EDT to California SWRCB (Drinking Water) System Number*: ☐ Geotracker #:					
Sampler Name (Printed/Signature)*: Fabian Cuiriz									
Matrix Types: SW=Surface Water BW=Boiled Water GW=Ground Water WW=Waste Water STW=Storm Water DW=Drinking Water SO=Solid									
#	Sample Description*	Date	Time	Matrix*	Comments / Station Code / WTRAX	Total Lead By EPA 6010	STLC Decision	Asbestos 600/R-93/116	
1	L1-1, W/B Headwall of Travers Creek Bridge on Mannir	5/27/22	9:30 AM	SO	22-0178	X	X		
2	L1-2 E/B Headwall of Travers Creek Bridge on Manning	5/27/22	9:30 AM	SO	22-0179	X	X		
3	L1-3 CL of Travers Creek Bridge on Manning (paint chip)	5/27/22	9:30 AM	SO	22-0180	X	X		
4	L2-1 CL 350 ft. E/O Travers Creek Bridge on Manning	5/27/22	9:50 AM	SO	22-0181	X	X		
5	L3-1 CL 650 ft. E/O Travers Creek Bridge on Manning	5/27/22	10:00 AM	SO	22-0182	X	X		
6	L4-1 CL 250 ft. W/O Travers Creek Bridge on Manning	5/27/22	10:10 AM	SO	22-0183	X	X		
7									
8									
9									
Relinquished by: (Signature and Printed Name): Stephen Polfer		Company: County of Fresno		Date: 7-7-22	Time: 11:32	Received by: (Signature and Printed Name): FL 1 P		Company:	
Relinquished by: (Signature and Printed Name): FL 1 P		Company:		Date: 7-7-22	Time: 11:32	Received by: (Signature and Printed Name): NHAMM		Company:	
Received for Lab by: (Signature and Printed Name): NHAMM		Company:		Date: 7-7-22	Time: 11:32	Payment Received at Delivery:		Check / Cash	
Shipping Method: ONTRAC ☒ UPS ☐ GSO ☐ WALK-IN ☐ FED EX ☐ Courier:						Amount:		PIA#:	
Cooling Method: Wet ☐ Blue ☐ None ☒						Custody Seal: Y ☒ N ☐		Chilling Process Begun: Y ☒ N ☐	

Payment for services rendered as noted herein are due in full within 30 days from the date invoiced. If not so paid, account balances are deemed delinquent. Delinquent balances are subject to monthly service charges and interest specified in BSK's current Standard Terms and Conditions for Laboratory Services. The person signing for the Client/Company acknowledges that they are either the Client or an authorized agent to the Client, that the Client agrees to be responsible for payment for the services on this Chain of Custody, and agrees to BSK's terms and conditions for laboratory services unless contractually bound otherwise. BSK's current terms and conditions can be found at www.bskassociates.com/BSKLabTermsConditions.pdf



NTS

Legend:

L1-3 Approximate Sample Location