

November 15, 2019

Mr. Mark Reno
Quincy Engineering
11017 Cobblersrock Drive, Suite 100
Rancho Cordova, CA 95670

**Lead-Based Paint and Asbestos-Containing Materials Report
Santa Margarita Creek Bridge on El Camino Real
San Luis Obispo County, California**

Dear Mr. Reno:

Haro Environmental, Inc. is pleased to present this letter report presenting the findings of lead-based paint (LBP) and asbestos containing materials (ACM) surveys performed to assess the potential for LBP and ACM to be encountered during construction of the Santa Margarita Creek Bridge on El Camino Real project in San Luis Obispo County, California. The sampling activities reported herein were performed by MS Testing Services as a subcontractor to Haro Environmental and have been performed at the request of Quincy Engineering, who we understand has been contracted to complete replacement of the Santa Margarita Creek Bridge on El Camino Real. A Site Vicinity Map is provided on Plate 1.

The project description and objective, scope of work, analytical results and discussion, conclusions and recommendations, and limitations are presented below.

PROJECT DESCRIPTION AND OBJECTIVE

Quincy Engineering, Inc., in cooperation with the California Department of Transportation (Caltrans) and San Luis Obispo County Public Works Department, proposes to replace the existing bridge over Santa Margarita Creek. The proposed project includes improvement of roadways and intersections along El Camino Real extending approximately 1,050 feet northwest of the bridge (near the Sandoval Road intersection) and approximately 1,550 feet southeast of the bridge (approximately 400 feet south of the Walnut Avenue intersection). Copies of the 95-percent project plans are provided in Attachment A.

The objective of LBP and ACM surveys were to collect samples of representative material from portions of the Santa Margarita Creek Bridge prior to demolition, and to determine if LBP and/or ACM are present, which could require special handling and disposal.

SCOPE OF WORK

Asbestos Containing Materials (ACM)

On October 15, 2019, California Division of Occupational Safety and Health (DOSH)-Certified Technician, Mr. Mike Schoedinger (Certification No. 14-5307) of MS Testing Services performed sampling from representative locations of suspect ACM identified during an onsite survey. Physical bulk samples were collected into airtight containers in accordance with the Asbestos School Hazard Emergency Response Act (40 CFR 763 Subpart E) as mandated by Cal/OSHA (Title 8 Section 1529) and San Luis Obispo Air

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Pollution Control District. Upon collection, sample numbers, descriptions, and collection locations were entered on a chain of custody for transportation to a National Voluntary Laboratory Accreditation Program (NVLAP) accredited laboratory. Physical bulk samples were analyzed by EMSL Analytical, Inc. (EMSL) laboratory of San Leandro, California (an accredited NVLAP (200358-0) laboratory) for asbestos using Polarized Light Microscopy (EPA 600/M4-82-020) to determine the presence, type, and percentage of asbestos. The asbestos results are provided in MS Testing Services' *Asbestos Survey Report* dated October 24, 2019 of which a copy is provided in Attachment D. The MS Testing Services report also shows the asbestos sampling locations.

The following suspect materials were identified during the inspection:

- Concrete associated with structural foundation and footers
- Concrete associated with support walls
- Concrete associated with curb and decking
- Black wrap material on steel gas pipe (attached to east side of the bridge)
- Gray mastic associated with guardrail reflectors

Lead-Based Paint

On October 15, 2019, California DOSH-Certified Site Surveillance Technician, Mr. Mike Schoedinger (Certification No. 14-5307) of MS Testing Services performed a LBP inspection of the Santa Margarita Creek Bridge. Four (4) samples were collected and analyzed for LBP using USEPA Test Method 3050B/7420 by EMSL. The LBP results are provided in MS Testing Services' *Lead-Based Paint Inspection Report* dated October 24, 2019, and a copy of the report is provided in Attachment B.

The following suspect materials were identified during the inspection:

- Silver paint on structural steel
- Silver paint on gas pipe
- Yellow thermoplastic striping (YTPS)
- White road striping

The silver paint appeared in fair condition with some cracking and peeling of the painted surfaces noted during the inspection.

ANALYTICAL RESULTS AND DISCUSSION

Asbestos Containing Materials (ACM)

The results of the asbestos testing indicated none of the samples contained asbestos above the laboratory reporting limits.

Lead-Based Paint (LBP)

The following Table summarizes the LBP testing results.

| Sample No. | Paint Color and Substrate Material | Sample Location | Total Lead (parts per million [ppm]) |
|------------|------------------------------------|--|--------------------------------------|
| Pb-1 | Silver paint on structural steel | Structure steel at footer 3 (homogeneous throughout) | 300,000 |
| Pb-2 | Silver paint on gas pipe | South side | <80 |
| Pb-3 | Yellow thermoplastic striping | Center of roadway | 1,300 |
| Pb-4 | White road striping | South shoulder | <80 |

* <80 = less than the laboratory reporting limit of 80 ppm

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The LBP results indicate 2 of the 4 samples collected contained lead concentrations above the laboratory reporting limit. The EPA Renovation, Repair, and Painting (RRP) rule defines LBP as painted surfaces or coatings having greater than 5,000 parts per million (ppm) lead. The sampling results indicate that LBP is present in silver-painted structural steel materials supporting the bridge.

Title 22 of California Code of Regulations (CCR) states solid wastes with total lead concentrations equal to or exceeding 1,000 milligrams per kilogram (mg/kg; ppm) [referred to as the Total Threshold Limit Concentration (TTLC)] are classified as California-hazardous waste. The lead concentration in the YTPS was detected at 1,300 ppm; and would therefore classify the material as California-hazardous waste.

CONCLUSIONS AND RECOMMENDATIONS

Because asbestos containing materials were not identified, special handling and disposal for asbestos does not appear warranted.

LBP was identified on the structural steel as silver paint. The silver paint appeared in fair condition with some cracking and peeling of the painted surfaces noted during the inspection. Because LBP is present, demolition of the structure steel will require special handling and should be performed in accordance with Caltrans Standard Special Provisions (SSP) 14-11.13. Also, the yellow thermoplastic stipe (YTPS) contains lead at a concentration greater than 1,000 mg/kg indicating it would be considered a California-hazardous waste, and should be handled in accordance with Caltrans SSP 14-11.12.

LIMITATIONS

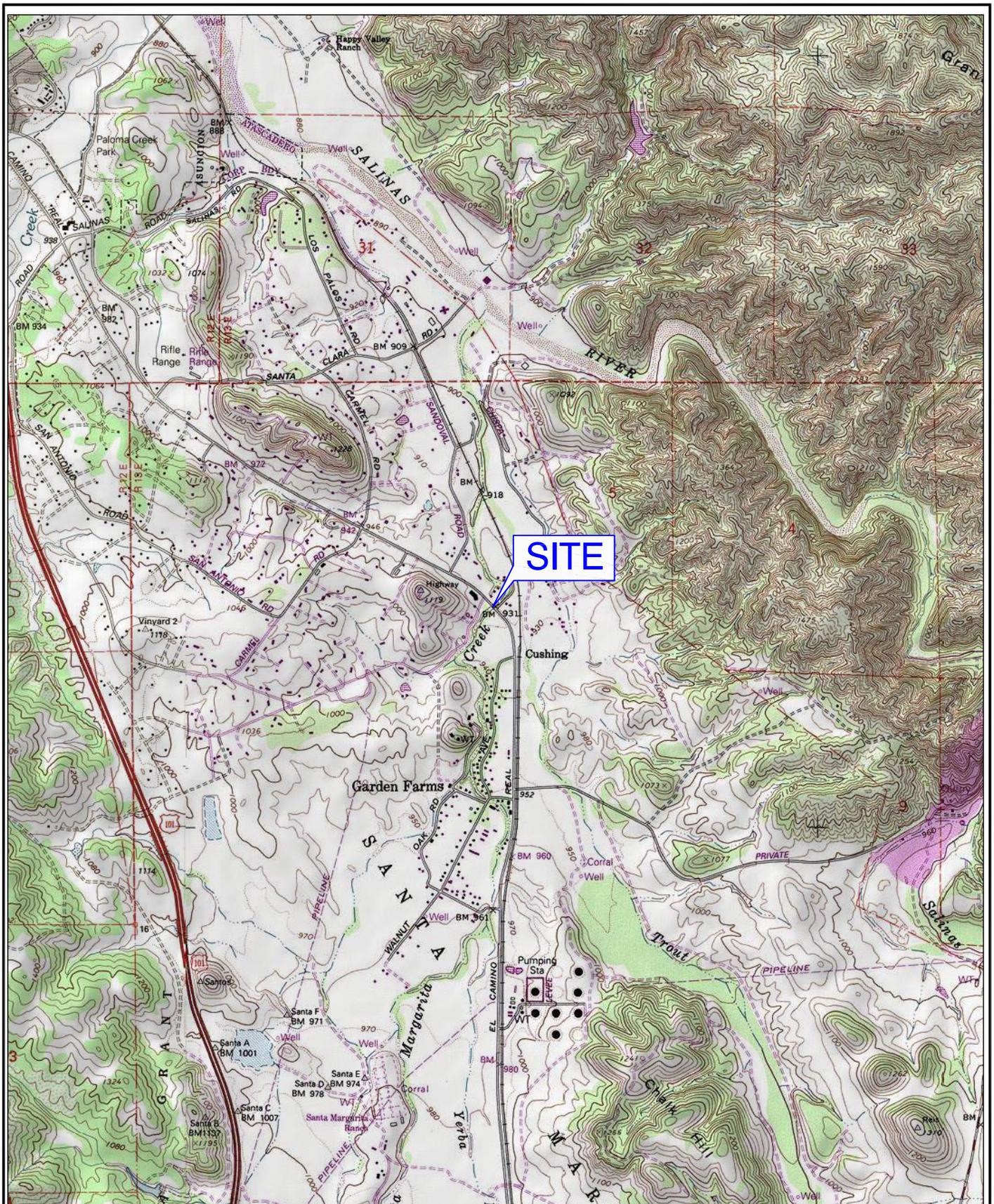
This report has been prepared for and is intended for the exclusive use of Quincy Engineering. The services performed by Haro Environmental have been conducted in a manner consistent with the level of care and skill ordinarily exercised by members of our profession currently practicing under similar conditions in the site vicinity. No other warranty, express or implied, is offered.

Quincy Engineering can convey this report to an affiliate, related entity, subsidiary, lender, title insurer, regulatory/city agency or current property owner(s) and their agents, but further dissemination requires prior written approval from Haro Environmental.

Our conclusions regarding the Site are based on the results of a limited soil sampling program. The results of this evaluation are qualified by the fact that only limited sampling and analytical testing was conducted during this assessment. Haro Environmental offers no assurances and assumes no responsibility for site conditions or activities that were outside the scope of services outlined in this document.

During the course of the performance of Haro Environmental's services, hazardous materials may have been discovered. Haro Environmental assumes no responsibility or liability whatsoever for any claim, loss of property value, damage, or injury that results from pre-existing hazardous materials being encountered or present on the project site, or from the discovery of such hazardous materials. Nothing contained in this report should be construed or interpreted as requiring Haro Environmental to assume the status of an owner, operator, or generator, or person who arranges for disposal, transport, storage or treatment of hazardous materials within the meaning of any governmental statute, regulation or order. Quincy Engineering is solely responsible for directing notification of all governmental agencies, and the public at large, of the existence, release, treatment or disposal of any hazardous materials observed at the project site, either before or during performance of Haro Environmental's services. Quincy Engineering is responsible for directing all arrangements to lawfully store, treat, recycle, dispose, or otherwise handle hazardous materials.

PLATE



0 1000 FEET 0 500 1000 METERS
 Map created with TOPO! ©2003 National Geographic (www.nationalgeographic.com/topo)

HARO
 ENVIRONMENTAL

872 Higuera Street
 San Luis Obispo, CA 93401
 Phone: 805 204 4483
 Fax: 805 831 6081

FILE NAME: *SITE VICINITY MAP.DWG*

SITE VICINITY MAP
 Santa Margarita Creek Bridge on El Camino Real
 San Luis Obispo County, California

| | |
|--------------|--------------|
| PLATE: | 1 |
| SHEET: | of |
| REVISION NO: | <i>0</i> |
| DATE: | <i>10/19</i> |

ATTACHMENTS



Asbestos Survey Report

Prepared for:

Elliot Haro
Haro Environmental, Inc.
872 Higuera Street
San Luis Obispo, CA 93401

Property Location:

El Camino Bridge over Santa Margarita Creek
El Camino Real, near Santa Margarita, CA

Project No: MSTs-020

Prepared by:

MS Testing Services
312 W. Portales Drive
Mountain House, CA 95391
(209) 237-6263



Dear Mr. Haro,

At the request of **Haro Environmental, Inc.**, an asbestos survey was conducted by MS Testing Services (MSTS) at the **El Camino Bridge** property located at the Santa Margarita Creek crossing in Santa Margarita, California (herein referred to the Subject Property).

1.0 Executive Summary

On October 15, 2019, the asbestos inspection was performed by MSTS at the Subject Property. **The comprehensive inspection was conducted to determine if asbestos is present in concrete bridge construction materials located on the site as a due-diligence requirement for a planned demolition.** The survey was performed by Mr. Michael Schoedinger, a California DOSH Certified Asbestos Consultant (CAC #14-5307) (Attachment C).

2.0 Property Description

The Subject Property is a two-lane concrete and steel bridge structure set on poured concrete foundations and columns, along with structural steel support beams and braces, and was reportedly constructed in the 1980's. The identified suspect asbestos-containing materials were in good condition.

3.0 Survey Purpose

The purpose of the asbestos survey was to determine if bridge construction materials at the Subject Property are asbestos containing materials (ACM) and/or asbestos containing construction materials (ACCM) as required by National Emissions Standards for Hazardous Air Pollutants (NESHAP), the California OSHA Asbestos in Construction Standard (California Code of Regulations (CCR) Title 8, Section 1529), and San Luis Obispo Air Pollution Control District (SLOAPCD) regulations. It is understood that the bridge may be demolished and replaced.

4.0 Inspection

MSTS identified five (5) homogenous areas of suspect ACM/ACCM components on the bridge structures at the Subject Property. Non-suspect materials (including glass, metal, ceramic, wood, fiberglass batting, and plastic) were not included in this survey. Each



homogenous area of suspect ACM/ACCM was assessed for friability and condition. A table of suspect materials with locations, friability, conditions, quantities, and NESHAP categories is provided in **Section 6.0**.

5.0 Scope of Work

The bridge structure was visually inspected for the purpose of inventorying suspect asbestos-containing materials. Once the inventory of suspect materials was created, physical bulk samples were collected from the materials from representative locations. Samples were collected in airtight containers. Upon collection, sample numbers, descriptions, and collection locations were entered on to a chain of custody and submitted to the laboratory.

Bulk samples were analyzed by EMSL Analytical Laboratory, a National Voluntary Laboratory Accreditation Program-accredited laboratory (200358-0). The method of bulk sample analysis was Polarized Light Microscopy (EPA 600/M4-82-020). The laboratory analytical reports with chains of custody and bulk sampling forms can be found in Attachment A. A diagram showing approximate sample locations can be found in Attachment B.

5.0 Identified Suspect Asbestos-Containing Building Materials

The following suspect materials were identified during the inspection:

- Concrete associated with Structural foundation and footers
- Concrete associated with support walls
- Concrete associated with Curb and Decking
- Black wrap material on steel gas pipe (attached to east side of the bridge)
- Gray Mastic associated with guardrail reflectors



6.0 Asbestos Survey Results

| Sample ID No. | Material Description | Sample Locations | Class (S, TSI, or M) | Material Location(s) | Friable/ Non-Friable (F/NF) | Condition (G, D, SD) | Approx Qty. (SF, LF, or CF) | Result (% and Type) | EPA Category |
|---------------|-----------------------|---|----------------------|------------------------------------|-----------------------------|----------------------|-----------------------------|----------------------|--------------|
| 1a,1b, 1c | Concrete | Footer 1, 2, 3 | M | Structural Footers | NF | G | 960 SF | None Detected | NA |
| 2a,2b, 2c | Concrete | West and East Walls | M | Support Walls | NF | G | 1600 SF | None Detected | NA |
| 3a,3b, 3c | Concrete | South side East end; South Side West end; and North side Center | M | Shoulder Curbs and Deck | NF | G | 160 SF | None Detected | NA |
| 4a,4b | Black Pipe Wrap | Gas Pipe East and West ends | | 4" Gas Pipe on East Side of Bridge | NF | G | 10 SF | None Detected | NA |
| 5a,5b, 5c | Gray Reflector Mastic | North and South Guardrails | M | North and South Guardrails | NF | G | 1 SF | None Detected | NA |

* = Sample not analyzed - Prior Positive Stop
 S = Surfacing, TSI = Thermal System Insulation, M = Miscellaneous
 F = Friable, NF = Non-Friable
 G = Good, D = Damaged, SD = Significantly Damaged
 SF = Square Feet, LF = Linear Feet, CF = Cubic Feet
 Cat I = Category I Non-Friable ACM
 Cat II = Category II Non-Friable ACM
 RACM = Regulated Asbestos-Containing Material
 ND = None Detected

Recommendations

Based upon the laboratory data, none of the samples collected were found to contain asbestos. Therefore, no recommendations can be made at this time.



Limitations

Limited destructive sampling was conducted at the subject property. If additional suspect materials are discovered during any demolition or renovation, all work should cease until a Certified Asbestos Consultant is contracted to ascertain the possibility of asbestos content. This inspection was performed in accordance with current regulations and state of the art practices. The inventory of asbestos containing materials and determination of their condition are based upon conditions observed at the time of inspection. MSTS does not assume responsibility for future regulatory changes or changes in the condition of the building.

MSTS is committed to providing state-of-the-art environmental consulting services that are of the highest quality. However, asbestos survey work is not an exact science. The possibility of field and general conditions beyond our control that affect our work or that present a concern for the safety of our employees, our consultants, building occupants and the public at the site, and insurance constraints, requires that we qualify the services we provide with the following limitations:

- Reasonable effort is made by MSTS to locate and sample all suspect ACM/ACCM. However, for any building there is the possibility that various types of unique or concealed ACM/ACCM may exist. In addition, sampling and laboratory analyses constraints typically hinder the investigation. MSTS does not warrant, guarantee or profess to have the ability to locate or identify all ACM/ACCM in a building.
- Confined spaces and areas determined by MSTS personnel to be unsafe to access, are excluded from the scope of work. MSTS is not, and has no responsibility as, a generator, operator, treater, storer, transporter or disposer of hazardous materials or waste found or identified as a result of MSTS work.
- MSTS does not guarantee or warrant that the Subject Property or workplace are safe, nor does MSTS involvement in this property relieve the Client, building owner/operator, or tenant of any continuing responsibility of providing a safe property or workplace.
- This report was based on those conditions observed on the day(s) the field evaluation was accomplished. In the event that changes in the nature of the property have occurred, or additional relevant information about the property is subsequently discovered, the findings and recommendations contained in this report may not be valid unless these changes and additional relevant information are reviewed and the conclusion of this report is modified and verified in writing.

October 24, 2019



Enclosed are the summary table of asbestos results, laboratory analysis report, sample location drawings, and consultant certifications. Please contact me directly if there are any questions regarding this survey.

Sincerely,

MS Testing Services



Michael J Schoedinger

Certified Asbestos Consultant No. 14-5307

Attachment A - Laboratory Analysis Report and Chains of Custody Forms

Attachment B - Sample Location Drawing

Attachment C - Consultant Certification

October 24, 2019



Attachment A
Laboratory Analysis Report and Chains of Custody Forms



EMSL Analytical, Inc.

464 McCormick Street San Leandro, CA 94577

Tel/Fax: (510) 895-3675 / (510) 895-3680

<http://www.EMSL.com> / sanleandrolab@emsl.com

EMSL Order: 091924106

Customer ID: MST575

Customer PO: MST5-020

Project ID:

Attention: Mike Schoedinger
MS Testing Services
312 W Portales Dr
Mountain House, CA 95391

Phone: (209) 237-6263

Fax:

Received Date: 10/15/2019 4:30 PM

Analysis Date: 10/20/2019

Collected Date: 10/15/2019

Project: EL CAMINO BRIDGE/MST5-020

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

| Sample | Description | Appearance | Non-Asbestos | | Asbestos |
|--|--|--|--------------|---|---------------|
| | | | % Fibrous | % Non-Fibrous | % Type |
| 1A <i>091924106-0001</i> | CONCRETE - FOOTER #1 - STRUCTURAL FOOTERS | Gray Non-Fibrous Homogeneous | | 40% Quartz 40% Ca Carbonate 20% Non-fibrous (Other) | None Detected |
| 1B <i>091924106-0002</i> | CONCRETE - FOOTER #2 - STRUCTURAL FOOTERS | Gray Non-Fibrous Homogeneous | | 40% Quartz 40% Ca Carbonate 20% Non-fibrous (Other) | None Detected |
| 1C <i>091924106-0003</i> | CONCRETE - FOOTER #3 - STRUCTURAL FOOTERS | Gray Non-Fibrous Homogeneous | | 40% Quartz 40% Ca Carbonate 20% Non-fibrous (Other) | None Detected |
| 2A <i>091924106-0004</i> | CONCRETE - WEST WALL - SUPPORT WALLS | Gray Non-Fibrous Homogeneous | | 40% Quartz 40% Ca Carbonate 20% Non-fibrous (Other) | None Detected |
| 2B <i>091924106-0005</i> | CONCRETE - WEST WALL - SUPPORT WALLS | Gray Non-Fibrous Homogeneous | | 40% Quartz 40% Ca Carbonate 20% Non-fibrous (Other) | None Detected |
| 2C <i>091924106-0006</i> | CONCRETE - EAST WALL - SUPPORT WALLS | Gray Non-Fibrous Homogeneous | | 40% Quartz 40% Ca Carbonate 20% Non-fibrous (Other) | None Detected |
| 3A <i>091924106-0007</i> | CONCRETE - S. SIDE - EAST END - SHOULDER CURBS | Gray Non-Fibrous Homogeneous | | 40% Quartz 40% Ca Carbonate 20% Non-fibrous (Other) | None Detected |
| 3B <i>091924106-0008</i> | CONCRETE - SOUTH SIDE - W. END - SHOULDER CURBS | Gray Non-Fibrous Homogeneous | | 40% Quartz 40% Ca Carbonate 20% Non-fibrous (Other) | None Detected |
| 3C <i>091924106-0009</i> | CONCRETE - N. SIDE - CENTER - SHOULDER CURBS | Gray Non-Fibrous Homogeneous | | 40% Quartz 40% Ca Carbonate 20% Non-fibrous (Other) | None Detected |
| 4A <i>091924106-0010</i> | BLACK PIPE WRAP - GAS PIPE EAST - S. SIDE GAS LINE | Black Non-Fibrous Homogeneous | | 80% Matrix 20% Non-fibrous (Other) | None Detected |
| 4B <i>091924106-0011</i> | BLACK PIPE WRAP - GAS PIPE WEST - S. SIDE GAS LINE | Red/Black/Silver Non-Fibrous Homogeneous | | 80% Matrix 20% Non-fibrous (Other) | None Detected |
| <i>Result includes a small amount of inseparable attached material</i> | | | | | |
| 5A-Mastic <i>091924106-0012</i> | REFLECTOR MASTIC - GUARDRAIL - GUARDRAILS | Gray Non-Fibrous Homogeneous | | 40% Ca Carbonate 40% Matrix 20% Non-fibrous (Other) | None Detected |
| 5A-Compound <i>091924106-0012A</i> | REFLECTOR MASTIC - GUARDRAIL - GUARDRAILS | White Non-Fibrous Homogeneous | | 80% Matrix 20% Non-fibrous (Other) | None Detected |
| 5B-Mastic <i>091924106-0013</i> | REFLECTOR MASTIC - GUARDRAIL - GUARDRAILS | Gray Non-Fibrous Homogeneous | | 40% Ca Carbonate 40% Matrix 20% Non-fibrous (Other) | None Detected |

Initial report from: 10/20/2019 16:54:57



EMSL Analytical, Inc.

464 McCormick Street San Leandro, CA 94577

Tel/Fax: (510) 895-3675 / (510) 895-3680

<http://www.EMSL.com> / sanleandrolab@emsl.com

EMSL Order: 091924106
Customer ID: MST575
Customer PO: MST5-020
Project ID:

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

| Sample | Description | Appearance | Non-Asbestos | | Asbestos |
|---|--|-------------------------------------|--------------|---|---------------|
| | | | % Fibrous | % Non-Fibrous | % Type |
| 5B-Compound <small>091924106-0013A</small> | REFLECTOR MASTIC - GUARDRAIL - GUARDRAILS | White Non-Fibrous Homogeneous | | 80% Matrix 20% Non-fibrous (Other) | None Detected |
| 5C-Mastic <small>091924106-0014</small> | REFLECTOR MASTIC - GUARDRAIL - GUARDRAILS | Gray Non-Fibrous Homogeneous | | 40% Ca Carbonate 40% Matrix 20% Non-fibrous (Other) | None Detected |
| 5C-Compound <small>091924106-0014A</small> | REFLECTOR MASTIC - GUARDRAIL - GUARDRAILS | White Non-Fibrous Homogeneous | | 80% Matrix 20% Non-fibrous (Other) | None Detected |

Analyst(s)

Coralie Rodriguez (17)

Matthew Batongbacal
or Other Approved Signatory

EMSL maintains liability limited to cost of analysis. The above analyses were performed in general compliance with Appendix E to Subpart E of 40 CFR (previously EPA 600/M4-82-020 "Interim Method"), but augmented with procedures outlined in the 1993 ("final") version of the method. This report relates only to the samples reported above, and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. All samples received in acceptable condition unless otherwise noted. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. EMSL recommends gravimetric reduction for all non-friable organically bound materials prior to analysis. Estimation of uncertainty is available on request.

Samples analyzed by EMSL Analytical, Inc San Leandro, CA NVLAP Lab Code 101048-3, WA C884

Initial report from: 10/20/2019 16:54:57



EMSL ANALYTICAL, INC.
TESTING LABS • PRODUCTS • TRAINING

Asbestos Chain of Custody For California Samples

EMSL Order Number (Lab Use Only):

091924106

PHONE:

FAX:

| | | | |
|---|--------------|--|--------------------|
| Company Name : MS Testing Services | | EMSL Customer ID: MST575 | |
| Street: 312 W. Portales Drive | | City: Mountain House | State/Province: CA |
| Zip/Postal Code: 95391 | Country: USA | Telephone #: 209-237-6263 | Fax #: |
| Report To (Name): Mike Schoedinger | | Please Provide Results: <input type="checkbox"/> Fax <input checked="" type="checkbox"/> Email | |
| Email Address: mike@mstestingservices.com | | Purchase Order: | |
| Project Name/Number: <u>EL CAMINO BRIDGE/MST5-020</u> | | EMSL Project ID (Internal Use Only): | |
| U.S. State Samples Taken: CA | | | |
| EMSL Bill-to: <input checked="" type="checkbox"/> Same <input type="checkbox"/> Different: If Bill-to is different, note instructions in comments/special instructions below. <i>Third-party billing requires written authorization.</i> | | | |

Turnaround Time (TAT) Options – Please Check

3 Hour* 6 Hour 24 Hour 48 Hour 72 Hour 96 Hour 1 Week 2 Week

4-4.5hr TAT (AHERA only)

*TEM Air 3 hr., please call ahead to schedule. There is a premium charge for 3 Hour TEM AHERA or EPA Level II TAT.

| | | |
|--|---|---|
| <p>PCM - Air</p> <input type="checkbox"/> NIOSH 7400 <input type="checkbox"/> w/ OSHA 8hr. TWA | <p>TEM - Air</p> <input type="checkbox"/> AHERA 40 CFR, Part 763 <input type="checkbox"/> EPA Level II <input type="checkbox"/> NIOSH 7402 <input type="checkbox"/> ISO 10312 | <p>Soil/Rock/Vermiculite (Reporting Limit)</p> <input type="checkbox"/> PLM CARB 435 – A (0.25%) <input type="checkbox"/> PLM CARB 435 – B (0.1%) <input type="checkbox"/> TEM CARB 435 – B (0.1%)* <input type="checkbox"/> TEM CARB 435 – C (0.01%)* <input type="checkbox"/> TEM Qualitative via Filtration Prep <input type="checkbox"/> TEM Qualitative via Drop Mount Prep <input type="checkbox"/> PLM EPA 600/R-93/116 with Milling Prep (<1%) <input type="checkbox"/> PLM EPA 600/R-93/116 with Milling Prep (<0.25%) <input type="checkbox"/> TEM EPA 600/R-93/116 with Milling Prep (<0.1%)* |
| <p>PLM - Bulk (Reporting Limit)</p> <input checked="" type="checkbox"/> PLM EPA 600/R-93/116 (<1%) <input type="checkbox"/> PLM EPA NOB (<1%) <input type="checkbox"/> 400 (<0.25%) Point Count <input type="checkbox"/> 400 (<0.25%) Point Count with Gravimetric Reduction <input type="checkbox"/> 1000 (<0.1%) Point Count <input type="checkbox"/> 1000 (<0.1%) Point Count with Gravimetric Reduction <input type="checkbox"/> NIOSH 9002 (<1%) | <p>TEM - Bulk</p> <input type="checkbox"/> TEM EPA NOB <input type="checkbox"/> Chatfield SOP <input type="checkbox"/> TEM EPA 600/R-93/116 with Milling Prep (<0.1%)** | <p>Other</p> <input type="checkbox"/> |
| <p>TEM - Water: EPA 100.2</p> Fibers >10µm <input type="checkbox"/> Waste <input type="checkbox"/> Drinking All Fiber Sizes <input type="checkbox"/> Waste <input type="checkbox"/> Drinking | <p>TEM - Dust</p> <input type="checkbox"/> Microvac - ASTM D 5755 <input type="checkbox"/> Wipe - ASTM D6480 <input type="checkbox"/> Carpet Sonication (EPA 600/J-93/167) | |

Stop At First Positive (Clearly identify homogenous groups below) Filter Pore Size (Air Samples): 0.8µm 0.45µm

Sampler's Name: Mike Schoedinger Sampler's Signature:

| Sample # | Sample Description | Volume/Area (Air) HA # (Bulk) | Date/Time Sampled |
|----------|--------------------|-------------------------------|-------------------|
| | SEE ATTACHED | | |
| | | | |
| | | | |
| | | | |

| | | |
|-----------------------------------|-----------------------|-------------------------------|
| Client Sample # (s): <u>1a-5c</u> | - | Total # of Samples: <u>14</u> |
| Relinquished (Client): | Date: <u>10/15/19</u> | Time: <u>1630</u> |
| Received (Lab): <u>EW</u> | Date: <u>10/25/19</u> | Time: <u>4:30pm</u> |
| Comments/Special Instructions: | | |

091924106

OrderID: 091924106



MS Testing Services
Asbestos : Lead : Mold : IAQ

ASBESTOS BULK SAMPLING FORM

Project Number: MSTS-020
Site Address: STA. MARGARITA
→ EL CAMINO REAL, ATASCADERO

Sampled By: Mike Schoedinger
Date Sampled: 10/15/19

CA
9342

| SAMPLE ID NO. | MATERIAL DESCRIPTION | SAMPLE LOCATION | MATERIAL LOCATIONS | F/NF | CONDITION (G, D, SD) | QUANTITY | PHOTO # |
|---------------|----------------------|---------------------|--------------------|------|----------------------|----------|---------|
| 1a | CONCRETE | Footer #1 | Structural Footers | NF | GOOD | 960 SF | |
| 1b | ↓ | Footer #2 | ↓ | ↓ | ↓ | ↓ | |
| 1c | ↓ | Footer #3 | ↓ | ↓ | ↓ | ↓ | |
| 2a | CONCRETE | WEST WALL | SUPPORT WALLS | | | 1600 SF | |
| 2b | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | |
| 2c | ↓ | EAST WALL | ↓ | ↓ | ↓ | ↓ | |
| 3a | CONCRETE | S. SIDE - EAST END | SHOULDER CURBS | | | 160 SF | |
| 3b | ↓ | SOUTH SIDE - W. END | ↓ | ↓ | ↓ | ↓ | |
| 3c | ↓ | N. SIDE - CENTER | ↓ | ↓ | ↓ | ↓ | |
| 4a | Black Pipe WRAP | GAS PIPE EAST | S. SIDE GAS LINE | | | 10 SF | |
| 4b | ↓ | GAS PIPE WEST | ↓ | ↓ | ↓ | ↓ | |
| 5a | REFLECTOR MASTIC | GUARDRAIL | GUARDRAILS | | | 1 SF | |
| 5b | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | |
| 5c | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ | |
| | | | | | | | |
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NOTES: _____

EX WI 10/25/19 4:30pm

October 24, 2019



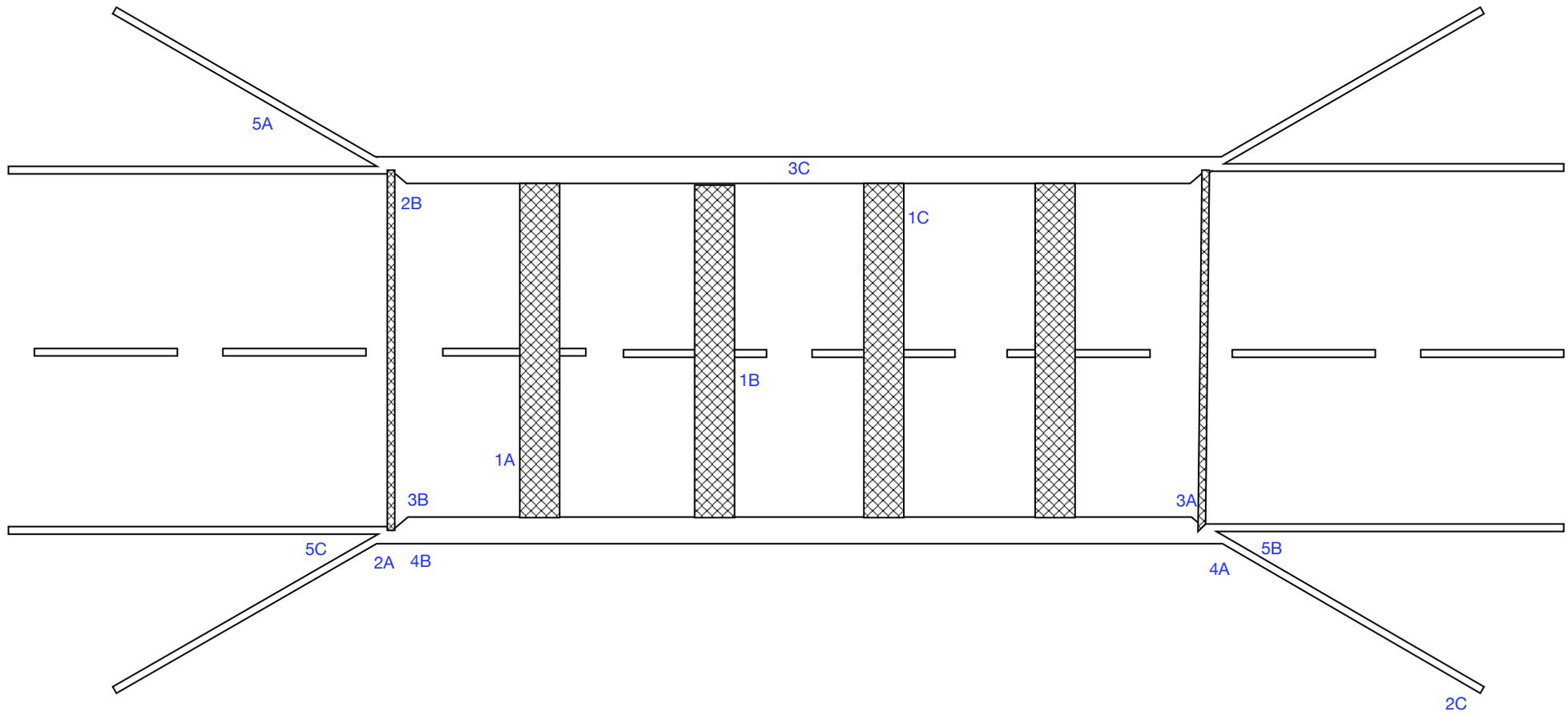
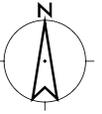
Attachment B
Sample Location Drawings

SAMPLE LOCATION DRAWING

(Drawing is not to scale)

El Camino Bridge over Santa Margarita Creek
El Camino Real, near Santa Margarita, CA

Project No: MSTs-020



October 24, 2019



Attachment D
Consultant Certification

State of California
Division of Occupational Safety and Health
Certified Asbestos Consultant

Michael J Schoedinger
Name



Certification No. **14-5307**

Expires on **01/13/20**

This certification was issued by the Division of Occupational Safety and Health as authorized by Sections 7180 et seq. of the Business and Professions Code.





Lead-Based Paint Inspection Report

Prepared for:

Elliot Haro
Haro Environmental, Inc.
872 Higuera Street
San Luis Obispo, CA 93401

Property Location:

El Camino Bridge over Santa Margarita Creek
El Camino Real, near Santa Margarita, CA

Project No: MSTS-020

Prepared by:

MS Testing Services
312 W. Portales Drive
Mountain House, CA 95391
(209) 237-6263



Dear Mr. Haro,

On October 15, 2019, MS Testing Services (MSTS) performed a lead-based paint inspection at the El Camino bridge located in Santa Margarita, California. **The purpose of the inspection was to determine if lead paint is present in painted building materials that may be affected by a planned demolition of the bridge structure.** The inspection was conducted by Mr. Michael Schoedinger, a California Department of Public Health-certified Inspector/Assessor (#24858).

Lead-based Paint Sampling Results Summary

| Sample Number | Paint Color and Substrate Material | Sample Location | Condition (Intact, Fair, or Poor) | Total Lead (parts per million) |
|---------------|------------------------------------|---|---|--------------------------------|
| Pb-1 | Silver Paint on Structural Steel | Structural steel at Footer 3 (homogeneous throughout) | Fair (some cracking, rust, and declaminating) | 300,000 |
| Pb-2 | Silver Paint on Gas Piping | South side | Intact | <80 |
| Pb-3 | Yellow Road Striping | Center of roadway | Intact | 1300 |
| Pb-4 | White Road Striping Paint | South shoulder | Intact | <80 |

Sample Protocol/Analysis

Physical bulk samples were analyzed by EMSL Analytical Laboratory, which is accredited by the National Environmental Lead Laboratory Accreditation Program (NLLAP #2845.09). Samples were analyzed using the Flame Atomic Absorption method (EPA SW 846 3050B/7000B).

Recommendations

The EPA Renovation, Repair, and Painting (RRP) rule defines lead-based paint as

October 24, 2019



painted surfaces or coatings having greater than 5,000 parts per million (ppm). The sampling results indicate that lead-based paint was present in Silver-painted structural steel materials supporting the bridge. These painted surfaces were primarily intact however, some cracking and peeling was observed and thus categorized as “Fair” condition. The results from this inspection should be provided to any individuals that may disturb the painted surfaces.

Enclosed is the laboratory analysis report. Please contact me directly if there are any questions regarding this inspection.

Sincerely,

MS Testing Services



Michael J Schoedinger
CDPH Lead Inspector/Assessor #24858

Attachments: Laboratory Analytical Report, CDPH certification



EMSL Analytical, Inc

464 McCormick Street, San Leandro, CA 94577

Phone/Fax: (510) 895-3675 / (510) 895-3680

<http://www.EMSL.com>

sanleandrolab@emsl.com

| | |
|-------------|-----------|
| EMSL Order: | 091923890 |
| CustomerID: | MSTS75 |
| CustomerPO: | |
| ProjectID: | |

Attn: **Mike Schoedinger**
MS Testing Services
312 W Portales Dr
Mountain House, CA 95391

Phone: (209) 237-6263
 Fax:
 Received: 10/15/19 4:30 PM
 Collected: 10/15/2019

Project: **EL CAMINO BRIDGE/MSTS-020**

Test Report: Lead in Paint Chips by Flame AAS (SW 846 3050B/7000B)*

| <i>Client Sample Description</i> | <i>Lab ID</i> | <i>Collected</i> | <i>Analyzed</i> | <i>Weight</i> | <i>Lead Concentration</i> |
|----------------------------------|----------------|------------------|-----------------|---------------|---------------------------|
| PB-1 | 091923890-0001 | 10/15/2019 | 10/16/2019 | 0.2806 g | 300000 ppm |
| Site: SILVER ON STRUCTURAL STEEL | | | | | |
| PB-2 | 091923890-0002 | 10/15/2019 | 10/16/2019 | 0.2526 g | <80 ppm |
| Site: SILVER ON GAS PIPING | | | | | |
| PB-3 | 091923890-0003 | 10/15/2019 | 10/16/2019 | 0.2557 g | 1300 ppm |
| Site: YELLOW ROAD STRIPING | | | | | |
| PB-4 | 091923890-0004 | 10/15/2019 | 10/16/2019 | 0.2627 g | <80 ppm |
| Site: WHITE ROAD STRIPING | | | | | |

Julian Neagu, Lead Laboratory Manager
or other approved signatory

*Analysis following Lead in Paint by EMSL SOP/Determination of Environmental Lead by FLAA. Reporting limit is 0.010 % wt based on the minimum sample weight per our SOP. Unless noted, results in this report are not blank corrected. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities. Samples received in good condition unless otherwise noted. "<" (less than) result signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements unless specifically indicated otherwise. Definitions of modifications are available upon request.

Samples analyzed by EMSL Analytical, Inc San Leandro, CA A2LA Accredited Environmental Testing Cert #2845.09

Initial report from 10/16/2019 17:21:09



EMSL ANALYTICAL, INC.
LABORATORY PRODUCTS TRAINING

Lead (Pb) Chain of Custody

EMSL Order ID (Lab Use Only):

091923890

EMSL ANALYTICAL, INC.
464 MCCORMICK ST.
SAN LEANDRO, CA 94577
PHONE: (510) 895-3675
FAX: (510) 895-3680

| | | | | |
|---|----------------------------------|---|----------------------------------|--------------------------|
| Company: <u>MS TESTING SERVICES</u> | | EMSL-Bill to: <input type="checkbox"/> Same <input type="checkbox"/> Different If Bill to is Different note instructions in Comments** | | |
| Street: <u>312 W. PORTALES DR.</u> | | Third Party Billing requires written authorization from third party | | |
| City: <u>MOUNTAIN HOUSE</u> | State/Province: <u>CA</u> | Zip/Postal Code: <u>95391</u> | Country: <u>USA</u> | |
| Report To (Name): <u>MIKE SCHODDING JR</u> | | Telephone #: <u>209-237-6263</u> | | |
| Email Address: <u>mikey@ms-testing.com</u> | | Fax #: | Purchase Order: | |
| Project Name/Number: <u>EL CAMINO BRIDGE/MSTS-020</u> | | Please Provide Results: <input type="checkbox"/> Fax <input checked="" type="checkbox"/> Email | | |
| U.S. State Samples Taken: <u>CA</u> | | CT Samples: <input type="checkbox"/> Commercial/Taxable <input type="checkbox"/> Residential/Tax Exempt | | |
| Turnaround Time (TAT) Options* - Please Check | | | | |
| <input type="checkbox"/> 3 Hour | <input type="checkbox"/> 6 Hour | <input type="checkbox"/> 24 Hour | <input type="checkbox"/> 48 Hour | |
| <input type="checkbox"/> 72 Hour | <input type="checkbox"/> 96 Hour | <input checked="" type="checkbox"/> 1 Week | <input type="checkbox"/> 2 Week | |
| <small>*Analysis completed in accordance with EMSL's Terms and Conditions located in the Price Guide</small> | | | | |
| Matrix | Method | Instrument | Reporting Limit | Check |
| Chips <input type="checkbox"/> % by wt. <input type="checkbox"/> mg/cm ² <input checked="" type="checkbox"/> ppm (mg/kg) | <u>10/16/19</u> SW846-7000B | Flame Atomic Absorption | 0.01% | <input type="checkbox"/> |
| Air | NIOSH 7082 | Flame Atomic Absorption | 4 µg/filter | <input type="checkbox"/> |
| | NIOSH 7105 | Graphite Furnace AA | 0.03 µg/filter | <input type="checkbox"/> |
| | NIOSH 7300M/NIOSH 7303 | ICP-OES | 0.5 µg/filter | <input type="checkbox"/> |
| Wipe* <small>*if no box checked, non-ASTM Wipe assumed</small> | SW846-7000B | Flame Atomic Absorption | 10 µg/wipe | <input type="checkbox"/> |
| | SW846-6010B or C | ICP-OES | 1.0 µg/wipe | <input type="checkbox"/> |
| TCLP | SW846-1311/7000B/SM 3111B | Flame Atomic Absorption | 0.4 mg/L (ppm) | <input type="checkbox"/> |
| | SW846-1311/SW846-6010B or C | ICP-OES | 0.1 mg/L (ppm) | <input type="checkbox"/> |
| SPLP | SW846-1312/7000B/SM 3111B | Flame Atomic Absorption | 0.4 mg/L (ppm) | <input type="checkbox"/> |
| | SW846-1312/SW846-6010B or C | ICP-OES | 0.1 mg/L (ppm) | <input type="checkbox"/> |
| TTLC | 22 CCR App. II, 7000B/7420 | Flame Atomic Absorption | 40 mg/kg (ppm) | <input type="checkbox"/> |
| | 22 CCR App. II, SW846-6010B or C | ICP-OES | 2 mg/kg (ppm) | <input type="checkbox"/> |
| STLC | 22 CCR App. II, 7000B/7420 | Flame Atomic Absorption | 0.4 mg/L (ppm) | <input type="checkbox"/> |
| | 22 CCR App. II, SW846-6010B or C | ICP-OES | 0.1 mg/L (ppm) | <input type="checkbox"/> |
| Soil | SW846-7000B | Flame Atomic Absorption | 40 mg/kg (ppm) | <input type="checkbox"/> |
| | SW846-6010B or C | ICP-OES | 2 mg/kg (ppm) | <input type="checkbox"/> |
| Wastewater Unpreserved <input type="checkbox"/> Preserved with HNO ₃ pH < 2 <input type="checkbox"/> | SM3111B/SW846-7000B | Flame Atomic Absorption | 0.4 mg/L (ppm) | <input type="checkbox"/> |
| | EPA 200.9 | Graphite Furnace AA | 0.003 mg/L (ppm) | <input type="checkbox"/> |
| | EPA 200.7 | ICP-OES | 0.020 mg/L (ppm) | <input type="checkbox"/> |
| Drinking Water Unpreserved <input type="checkbox"/> Preserved with HNO ₃ pH < 2 <input type="checkbox"/> | EPA 200.8 | ICP-MS | 0.001 mg/L (ppm) | <input type="checkbox"/> |
| | EPA 200.9 | Graphite Furnace AA | 0.003 mg/L (ppm) | <input type="checkbox"/> |
| | EPA 200.5 | ICP-OES | 0.003 mg/L (ppm) | <input type="checkbox"/> |
| TSP/SPM Filter | 40 CFR Part 50 | ICP-OES | 12 µg/filter | <input type="checkbox"/> |
| | 40 CFR Part 50 | Graphite Furnace AA | 3.6 µg/filter | <input type="checkbox"/> |
| Other: <input type="checkbox"/> | | | | |
| Name of Sampler: <u>MIKE SCHODDING JR</u> | | Signature of Sampler: <u>[Signature]</u> | | |
| Sample # | Location | Volume/Area | Date/Time Sampled | |
| | | | | |
| Client Sample #s | <u>Pb-1 - Pb-4</u> | | Total # of Samples: | <u>4</u> |
| Relinquished (Client): | <u>[Signature]</u> | Date: <u>10/15/19</u> | Time: <u>16:30</u> | |
| Received (Lab): | <u>[Signature]</u> | Date: <u>10/15/19</u> | Time: <u>4:50 pm</u> | |
| Comments: | | | | |

Michael Schoedinger
MS Testing Services
312 W. Portales Drive
Mountain House, CA 95391

State of California Department of Public Health

| <u>Certificate</u> | <u>Expiration</u> |
|---|-------------------|
| <u>Type</u> | <u>Date</u> |
| Lead-Related Construction Certificate | |
| Inspector/Assessor | 04/17/2021 |



Michael J. Schoedinger ID #: 24858