

ASBESTOS & LEAD-BASED PAINT SURVEY REPORT

I-210 Bridge Expansion
San Bernardino, California 92401

June 26, 2015
Partner Project No. 14-121800.1



Prepared for:

Epic Land Solutions, Inc.
3850 Vine Street, Suite 200
Riverside, California 92507

June 26, 2015

Karen Starr
Epic Land Solutions, Inc.
3850 Vine Street, Suite 200
Riverside, California 92507

Subject: Asbestos and Lead-Based Paint Survey Report
I-210 Bridge Expansion
San Bernardino, California 92401
Partner Project No. 14-121800.1

Dear Ms. Starr:

Partner Engineering and Science, Inc. (Partner) is pleased to provide the results of the *Asbestos & Lead-Based Paint Survey* of the abovementioned address (the "subject property"). This survey was performed in general conformance with the scope and limitations as detailed in our fee proposal.

This survey included a site reconnaissance as well as sampling and analysis. An assessment was conducted, conclusions stated, and recommendations outlined, as necessary.

We appreciate the opportunity to provide environmental services to Epic Land Solutions, Inc. If you have any questions concerning this report, or if we can assist you in any other matter, please contact me at 310.615.4500.

Sincerely,

Partner Engineering and Science, Inc.



Jenny Redlin, REPA
Relationship Manager

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1.0 INTRODUCTION

1.1 Property Description

| | |
|------------------------------|--|
| Address: | I-210 Bridge Expansion, San Bernardino, California |
| Nature of Use: | Highway Bridge Overpasses |
| Surveyed By: | Freddy Torres, Inspector |
| Assessment Date/Time: | June 9, 2015 10:00 am |

1.2 Purpose and Scope

The purpose of this asbestos survey and lead-based paint inspection (survey) was to sample and analyze suspect asbestos-containing materials (ACM) and suspect lead-based paint (LBP) which could present an exposure risk during potential renovation/demolition activities. The surveys were conducted in accordance with the workplan dated July 15, 2015 and approved by Caltrans via memo dated August 7, 2014.

The segment within the project limits of SR-210 is an east-west state highway between Highland Avenue and Palm Avenue then curves to the south at Palm Avenue and extends to Interstate 10 just south of West San Bernardino Avenue in San Bernardino County, California.

This project is proposed in anticipation of widening of both north and southbound lanes of the highway into the median.

The suspect materials sampled during the survey were limited to accessible areas along the bridges and overpasses.

Bridges included in the asbestos and lead based paint investigation.

| | |
|------------------------|-------------|
| Highland/Arden Ave. | 54-1074 R/L |
| Sand Creek | 54-1075 L/R |
| Victoria Ave. | 54-1076 L/R |
| City Creek | 54-1081 L/R |
| 5 th Street | 54-1082 L/R |
| Plunge Creek | 54-935 L/R |
| Access Road | 54-1058 L/R |
| Santa Ana River | 54-934 L/R |
| Pioneer Ave. | 54-933 L/R |
| Base Line | 54-1080 |

Laboratory Analysis and Chain-of-Custody are included in Appendix A.

Approximate sample locations are included as Appendix B.

Personnel certifications are included as Appendix C.

Photographic Documentation is included as Appendix D.

1.3 Methodology

ASBESTOS

Suspect ACM were sampled according to the guidelines set forth in 40 CFR Part 763, and later analyzed using the Polarized Light Microscopy (PLM) method in accordance with the EPA reference method 600/R-93/116 for Determination of Asbestos in Bulk Building Materials.

The United States Environmental Protection Agency (USEPA) as set forth in 40 CFR 763, defines a homogeneous area as "an area of surfacing material, thermal system insulation material, or miscellaneous material that is uniform in color and texture." The regulation requires that a minimum number of representative samples be collected from each homogeneous area. If asbestos is identified in any samples from a homogeneous area, the entire homogeneous area is considered to contain asbestos.

The aforementioned testing and analytical constraints can affect the findings and recommendations of this survey. Specifically, no assurance is given regarding the asbestos content of the samples beyond these parameters. Further investigation is not recommended unless the client can determine it is cost-effective to do so.

The ACM most likely to release asbestos fibers are those which are in a friable state. Friability describes the condition of asbestos. The definition of friable is any material, when dry, that is capable of being crumbled, pulverized or reduced to powder by hand pressure (40 CFR 763).

Non-friable sources of asbestos are materials containing cement or asphalt binder which may become friable and release fibers if the sources are exposed to actions such as abrasion, drilling, cutting, fracturing or hammering. Non-friable sources of asbestos do not typically pose a significant exposure risk if they remain in good condition and are not disturbed. During renovation or demolition activities, non-friable sources may become friable and thus may pose an exposure risk.

The PLM method is the most commonly used method to analyze building materials for the presence of asbestos. This method utilizes the optical properties of minerals to identify the selected constituent. The use of this method enables identification of the type and the percentage of asbestos in a given sample. The detection limit of the PLM method for asbestos identification is typically one percent (1%) asbestos.

The California Occupational Safety and Health regulations define asbestos-containing construction material (ACCM) as any material which contains greater than one-tenth of one percent (0.1%) asbestos. Materials containing "trace" amounts of asbestos are reported by the laboratory as <1% which could qualify as ACCM in the State of California. Further quantification is possible utilizing either Transmission Electron Microscopy (TEM) analysis or point counting via PLM.

LEAD-BASED PAINT

A lead-based paint inspection is a surface-by-surface investigation to determine the presence of lead-based paint and the provision of a report explaining the results of the investigation. Lead-based paint may be present in buildings constructed in 1977 and earlier. In general, there are

many other building materials which can contain lead in the average building. When conducting construction or demolition activities which disturb lead in any amount or create an exposure to workers, the employer is required to provide worker protection and conduct exposure assessments. Employers should consult Federal OSHA Regulations at 29 CFR 1926.62, "Lead in Construction" standards for complete requirements prior to construction or demolition activities.

Notification must be given to all other contractors at the work site prior to the start of activities that may create a lead hazard. Characterization and disposal of lead-containing waste materials (LCWMs) must comply with federal, state and local authorities.

Contractors must maintain current licenses as required by applicable state or local jurisdictions for the removal, transport, disposal of LCWMs, or other regulated lead-based paint activities.

The California Department of Public Health (CDPH) Title 17 CCR Division 1, Chapter 8, section 35033 defines LBP as paint or other surface coating that contains any amount of lead equal to or in excess of 1.0 mg/cm² or more than 0.5% by weight. This requirement for lead hazard abatement only applies to public and residential buildings.

2.0 ASBESTOS/LEAD SURVEY

2.1 Visual Inspection

During the course of the property visit, Mr. Freddy Torres, a Certified Asbestos Consultant and Certified Lead Inspector Assessor performed a review of accessible areas of the subject bridges and overpasses for the presence of suspect ACM and LBP. The purpose of this assessment is for renovation purposes only; therefore, additional suspect ACM and/or LBP could be present.

Partner did not attempt to disassemble mechanical equipment, open pipe chases, or assess materials within wall voids. Regardless of the thoroughness of a survey, the possibility exists that some areas containing ACM and/or LBP were not identified, inaccessible, or different from those materials at specific locations.

ASBESTOS

Suspect asbestos-containing materials observed at the time of the inspection were sampled and analyzed for asbestos content. Bridge joint packing next to shims and rubber couplings was sampled. No suspect materials were observed around column footing and, therefore, no samples were collected. The survey also established whether any of the substrates sampled could be considered friable and/or significantly damaged or capable of immediate worker exposure.

LEAD-BASED PAINT – XRF TESTING PROTOCOL

During the course of the property visit, Mr. Torres performed a review of accessible areas of the subject buildings for the presence of suspect LBP. The purpose of this assessment is for renovation purposes only; therefore, additional suspect LBP could be present. The painted/finished surfaces containing suspect LBP were analyzed and the data was recorded using a XRF.

The XRF uses a Cadmium 109 (Cd) isotope radioactive source to 'excite' the atomic structure of painted surfaces. Once 'excited', lead (Pb) atoms emit unique x-ray fluorescence radiation energy. The radiation detector within the XRF then translates these x-rays into a quantitative measure of lead concentration. If present, the XRF will determine the amount of lead in paint with a 95% confidence level. The lead concentrations are reported in milligrams per square centimeter (mg/cm²).

Measurements were taken at locations representative of all painted or varnished surfaces for each different testing combination in the areas inspected. In order to obtain a reading, the XRF analyzer is placed with the face of the instrument flush against the surface to be tested. It is then held in place for the duration of the sample, approximately 4 to 16 source seconds, or until the measurement has reached the acceptable range of accuracy. The sampling time is dependent on the age of the radioactive source inside the XRF.

XRF analysis yields the total lead content of a painted surface, hereby not distinguishing between individual concentrations of painted layers. The XRF was calibrated with a National Institute of Standards and Testing (NIST) calibration surface prior to and post analysis of painted surfaces.

The California Department of Public Health (CDPH) *Title 17 CCR Division 1, Chapter 8, section 35033* defines LBP as paint or other surface coating that contains any amount of lead equal to or in excess of 1.0 mg/cm² or more than 0.5% by weight. This requirement for lead hazard abatement only applies to public and residential buildings.

2.2 Testing Results

ASBESTOS

A total of thirty-two (32) bulk samples of presumed ACM were collected for analysis. The samples were grouped into homogeneous categories, assigned individual sample numbers, sealed in plastic bags, and transported under proper chain-of-custody documentation to LA Testing. LA Testing is accredited by the National Voluntary Laboratory Accreditation Program (NVLAP No. 200346-0) for the analysis of asbestos bulk samples. Refer to Appendix A for analytical data.

Analytical Results (ACM)

| Sample No. | Location | Description | Asbestos Content | Condition |
|------------|---|----------------------|------------------|-----------|
| 1-01 | Highland Overpass Westbound | Bridge Joint Packing | None Detected | Good |
| 1-02 | Highland Overpass Eastbound | Bridge Joint Packing | None Detected | Good |
| 1-03 | Arden Overpass Eastbound | Bridge Joint Packing | None Detected | Good |
| 1-04 | Arden Overpass Westbound | Bridge Joint Packing | None Detected | Good |
| 2-01 | Sand Creek Overpass Eastbound | Bridge Joint Packing | None Detected | Good |
| 2-02 | Sand Creek Overpass Westbound | Bridge Joint Packing | None Detected | Good |
| 2-03 | Victoria Overpass Westbound | Bridge Joint Packing | None Detected | Good |
| 2-04 | Victoria Overpass Eastbound | Bridge Joint Packing | None Detected | Good |
| 3-01 | North City Creek Overpass Eastbound | Bridge Joint Packing | None Detected | Good |
| 3-02 | North City Creek Overpass Westbound | Bridge Joint Packing | None Detected | Good |
| 3-03 | South City Creek Overpass Eastbound | Bridge Joint Packing | None Detected | Good |
| 3-04 | South City Creek Overpass Westbound | Bridge Joint Packing | None Detected | Good |
| 4-01 | 5 th Street Overpass Eastbound | Bridge Joint Packing | None Detected | Good |
| 4-02 | 5 th Street Overpass Eastbound | Bridge Joint Packing | None Detected | Good |

| Sample No. | Location | Description | Asbestos Content | Condition |
|------------|---|---------------------------|------------------|-----------|
| 4-03 | North Plunge Creek Overpass Eastbound | Bridge Joint Packing | None Detected | Good |
| 4-04 | North Plunge Creek Overpass Westbound | Bridge Joint Packing | None Detected | Good |
| 4-05 | South Plunge Creek Overpass Eastbound | Bridge Joint Packing | None Detected | Good |
| 4-06 | South Plunge Creek Overpass Westbound | Bridge Joint Packing | None Detected | Good |
| 5-01 | Santa Ana River Overpass Eastbound | Bridge Joint Packing | None Detected | Good |
| 5-02 | Santa Ana River Overpass Westbound | Bridge Joint Packing | None Detected | Good |
| 5-03 | Santa Ana River Overpass Eastbound | Bridge Joint Packing | None Detected | Good |
| 5-04 | Santa Ana River Overpass Westbound | Bridge Joint Packing | None Detected | Good |
| 6-01 | Pioneer Overpass Eastbound | Bridge Joint Packing | None Detected | Good |
| 6-02 | Pioneer Overpass Westbound | Bridge Joint Packing | None Detected | Good |
| 7-01 | Highland Overpass Eastbound | Bridge Rubber Seam Joints | None Detected | Good |
| 7-02 | Victoria Overpass Westbound | Bridge Rubber Seam Joints | None Detected | Good |
| 7-03 | South City Creek Overpass Eastbound | Bridge Rubber Seam Joints | None Detected | Good |
| 7-04 | 5 th Street Overpass Eastbound | Bridge Rubber Seam Joints | None Detected | Good |
| 8-01 | South City Creek Overpass Eastbound | Brown Packing | None Detected | Good |
| 8-02 | South City Creek Overpass Westbound | Brown Packing | None Detected | Good |
| 9-01 | Santa Ana River Overpass Eastbound | Bridge Pipe Insulation | None Detected | Good |
| 9-02 | Santa Ana River Overpass Westbound | Bridge Pipe Insulation | None Detected | Good |

Asbestos-containing material is defined as any material containing more than one percent (1%) asbestos as determined using PLM (40 CFR 61).

In California, asbestos-containing construction material (ACCM) is defined by Cal- OSHA as any material containing more than 0.1% (one-tenth of one percent) of asbestos by weight (CCR Title 8, Section 1529).

Documentation of the laboratory results should be retained as a reference for future renovation/demolition activities.

LEAD-BASED PAINT

A representative number of painted surfaces/components were tested for LBP along the bridges and overpasses.

A total of 85 XRF readings (including 7 calibration readings) were collected. Of the 78 actual XRF readings taken, none contained a lead content greater than 1.0 mg/cm², which is the current regulatory threshold for the requirement of lead-safe work practices as assessed using an XRF instrument. Additional readings confirmed detectable levels of lead in paint (less than 1.0 mg/cm²). Please see Appendix A for Suspect Lead-Based Paint Inspection Results.

The California Department of Public Health (CADPH) Title 17 CCR Division 1, Chapter 8, section 35033 defines LBP as paint or other surface coating that contains any amount of lead equal to or in excess of 1.0 mg/cm² or more than 0.5% by weight. This requirement for lead hazard abatement only applies to public and residential buildings.

3.0 CONCLUSION

ASBESTOS

None of the materials sampled were reported to contain asbestos.

The EPA recommends that all ACM be removed by a certified asbestos contractor prior to any renovation or demolition activities that may impact the material. In the absence of planned renovation/demolition activities, the EPA recommends that ACMs be managed in-place whenever asbestos is identified in a building. Any damaged asbestos materials should be removed, repaired, encapsulated, or enclosed. Asbestos materials that are not damaged may be managed in place in accordance with a written Operations and Maintenance Program.

Federal, state and local laws require building owners and/or their representatives, prior to any demolition and/or renovation operations which may disturb any asbestos-containing materials in their buildings, to meet the following requirements:

- Notifications,
- Removal techniques (such as wetting) for asbestos-containing materials,
- Clean-up procedures,
- Waste storage and disposal requirements.

The potential exists for additional suspect ACM to be exposed during demolition and/or renovation activities. Such materials should be sampled and analyzed for asbestos content prior to any renovation and/or demolition activities that could impact these materials.

LEAD-BASED PAINT

During the inspection no LBP was identified along the bridges and overpasses. Some of the samples contained detectable concentrations of lead below the threshold for LBP.

Work activities impacting LBP pose a potential exposure risk for workers and/or building occupants. Workers trained in proper safety and respiratory techniques should perform renovation activities that may impact the LBP described in this report. All construction work where an employee may be occupationally exposed to lead must comply with OSHA requirements set forth in 29 CFR 1926.62. This regulation requires initial employee exposure monitoring to evaluate worker exposure during work that disturbs lead-containing materials (lead present in detectable levels). Partner suggests that engineering controls, respiratory protection and personal protective equipment be employed at the start of a project that could disturb LBP.

Waste items generated during an abatement or demolition project should be properly sampled and profiled to determine the final disposition of the waste.

The potential exists for additional suspect lead-containing materials to be exposed during demolition and/or renovation activities. Such materials should be sampled and analyzed for lead content prior to any renovation and/or demolition activities that could impact these materials.

4.0 LIMITATIONS

Partner subcontracted with EMSL Analytical to perform the asbestos analysis. No warranties expressed or implied, are made by Partner or its subcontractor EMSL Analytical, or their employees as to the use of any information, apparatus, product or process disclosed in this report. Every reasonable effort has been made to assure correctness. If an Asbestos and/or Lead Abatement Contractor or other Demolition/Construction Contractor is employed, such contractor should bring any discrepancies found in this report as it relates to current site conditions or newly discovered site conditions to the immediate attention of Partner.

State-of-the-art practices have been employed to perform this asbestos and lead survey. The scope of this evaluation was severely limited to areas which were considered reasonably accessible (i.e., less than 15 feet from the floor), or within range of a visual inspection through reasonable means. No demolition or product research was performed in attempts to reveal material compositions. The services consist of professional opinions and recommendations made in accordance with generally accepted engineering principles/practices. These services are designed to provide an analytical tool to assist the client. Partner and its subcontractor EMSL Analytical and their employees/representatives bear no responsibility for the actual condition of the structure or safety of this site pertaining to asbestos and/or lead contamination regardless of the actions taken by the survey team or the client.

5.0 SIGNATURES OF PROFESSIONALS

Partner has performed an asbestos and lead-based paint survey on the property located at I-210 Bridge Expansion in San Bernardino, California in general conformance with the scope and limitations of the protocol and the limitations stated earlier in this report. Exceptions to or deletions from this protocol are discussed earlier in this report.

Prepared By:

Partner Engineering and Science, Inc.



Freddy Torres
Certified Asbestos Consultant #10-4593
Certified Lead Inspector Assessor #17424



Kevin Roberts, CAC, CLIA
Senior Reviewer

APPENDIX A: LABORATORY ANALYSIS AND CHAIN OF CUSTODY

**EMSL Analytical, Inc.**

7916 Convoy Court, Building 4, Suite A, San Diego, CA 92111

Phone/Fax: 858-499-1303 / (858) 499-1304

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

| | |
|-------------|-------------|
| EMSL Order: | 431501620 |
| CustomerID: | 32PRTN78 |
| CustomerPO: | 14-121800.1 |
| ProjectID: | |

Attn: **Freddy Torres**
Partner Engineering & Science
2154 Torrance Blvd
Suite 200
Torrance, CA 90501

Phone: (310) 615-4500
 Fax:
 Received: 06/12/15 10:25 AM
 Analysis Date: 6/16/2015
 Collected:

Project: 14-121800.1/ 210 EXPANSION SAN BERNARDINO, CA

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 |
| 1-01 431501620-0001 | BRIDGE JOINT PACKING- HIGHLAND OP W.B | Gray/White Non-Fibrous Homogeneous | | 100% Non-fibrous (other) | None Detected |
| 1-02 431501620-0002 | BRIDGE JOINT PACKING- HIGHLAND OP E.B | Gray/White Non-Fibrous Homogeneous | | 100% Non-fibrous (other) | None Detected |
| 1-03 431501620-0003 | BRIDGE JOINT PACKING- ARDEN OP E.B | Gray/White Non-Fibrous Homogeneous | | 100% Non-fibrous (other) | None Detected |
| 1-04 431501620-0004 | BRIDGE JOINT PACKING- ARDEN OP W.B | Gray/White Non-Fibrous Homogeneous | | 100% Non-fibrous (other) | None Detected |
| 2-01 431501620-0005 | BRIDGE JOINT PACKING-SAN CREEK OP E.B | Gray/White Non-Fibrous Homogeneous | | 100% Non-fibrous (other) | None Detected |
| 2-02 431501620-0006 | BRIDGE JOINT PACKING-SAN CREEK OP W.B | Gray/White Non-Fibrous Homogeneous | | 100% Non-fibrous (other) | None Detected |
| 2-03 431501620-0007 | BRIDGE JOINT PACKING- VICTORIA OP W.B | Gray/White Non-Fibrous Homogeneous | | 100% Non-fibrous (other) | None Detected |
| 2-04 431501620-0008 | BRIDGE JOINT PACKING- VICTORIA OP E.B | Gray/White Non-Fibrous Homogeneous | | 100% Non-fibrous (other) | None Detected |

Analyst(s)

 Mariah Barfield (17)
 Natalia Toscano (15)



 Derrick Tanner, Laboratory Manager
 or other approved signatory

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 Samples analyzed by EMSL Analytical, Inc. San Diego, CA NVLAP Lab Code 200855-0, CA ELAP 2713

Initial report from 06/16/2015 09:49:04



EMSL Analytical, Inc.

7916 Convoy Court, Building 4, Suite A, San Diego, CA 92111

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| ProjectID: | |

Attn: **Freddy Torres**
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Suite 200
Torrance, CA 90501

Phone: (310) 615-4500
 Fax:
 Received: 06/12/15 10:25 AM
 Analysis Date: 6/16/2015
 Collected:

Project: 14-121800.1/ 210 EXPANSION SAN BERNARDINO, CA

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 |
| 3-01 431501620-0009 | BRIDGE JOINT PACKING-CITY CREEK E.B NORTH | Gray/White Non-Fibrous Homogeneous | | 100% Non-fibrous (other) | None Detected |
| 3-02 431501620-0010 | BRIDGE JOINT PACKING-CITY CREEK W.B NORTH | Gray/White Non-Fibrous Homogeneous | | 100% Non-fibrous (other) | None Detected |
| 3-03 431501620-0011 | BRIDGE JOINT PACKING-CITY CREEK E.B SOUTH | Gray/White Non-Fibrous Homogeneous | | 100% Non-fibrous (other) | None Detected |
| 3-04 431501620-0012 | BRIDGE JOINT PACKING-CITY CREEK W.B SOUTH | Gray/White Non-Fibrous Homogeneous | | 100% Non-fibrous (other) | None Detected |
| 4-01 431501620-0013 | BRIDGE JOINT PACKING-5TH STREET OP E.B | Gray/White Non-Fibrous Homogeneous | | 100% Non-fibrous (other) | None Detected |
| 4-02 431501620-0014 | BRIDGE JOINT PACKING-5TH STREET OP W.B | Gray/White Non-Fibrous Homogeneous | | 100% Non-fibrous (other) | None Detected |
| 4-03 431501620-0015 | BRIDGE JOINT PACKING- PLUNGE CREEK OP E.B NORTH | Gray/White Non-Fibrous Homogeneous | | 100% Non-fibrous (other) | None Detected |

Analyst(s)

 Mariah Barfield (17)
 Natalia Toscano (15)



 Derrick Tanner, Laboratory Manager
 or other approved signatory

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 Samples analyzed by EMSL Analytical, Inc. San Diego, CA NVLAP Lab Code 200855-0, CA ELAP 2713

Initial report from 06/16/2015 09:49:04



EMSL Analytical, Inc.

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| ProjectID: | |

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| Attn: Freddy Torres Partner Engineering & Science 2154 Torrance Blvd Suite 200 Torrance, CA 90501 | Phone: (310) 615-4500 Fax: Received: 06/12/15 10:25 AM Analysis Date: 6/16/2015 Collected: |
| Project: 14-121800.1/ 210 EXPANSION SAN BERNARDINO, CA | |

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 |
| 6-01 431501620-0023 | BRIDGE JOINT PACKING- PIONEER OP E.B | Gray/White Non-Fibrous Homogeneous | | 100% Non-fibrous (other) | None Detected |
| 6-02 431501620-0024 | BRIDGE JOINT PACKING- PIONEER OP W.B | Gray/White Non-Fibrous Homogeneous | | 100% Non-fibrous (other) | None Detected |
| 7-01 431501620-0025 | BRIDGE RUBBER SEAM- HIGHLAND OP E.B | Black Non-Fibrous Homogeneous | | 100% Non-fibrous (other) | None Detected |
| 7-02 431501620-0026 | BRIDGE RUBBER SEAM- VICTORIA OP W.B | Black Non-Fibrous Homogeneous | | 100% Non-fibrous (other) | None Detected |
| 7-03 431501620-0027 | BRIDGE RUBBER SEAM- CITY CREEK OP E.B | Black Non-Fibrous Homogeneous | | 100% Non-fibrous (other) | None Detected |
| 7-04 431501620-0028 | BRIDGE RUBBER SEAM- 5TH STREET OP E.B | Black Non-Fibrous Homogeneous | | 100% Non-fibrous (other) | None Detected |
| 8-01 431501620-0029 | BROWN PACKING-CITY CREEK OP E.B | Brown Fibrous Homogeneous | 30% Cellulose | 70% Non-fibrous (other) | None Detected |
| 8-02 431501620-0030 | BROWN PACKING-CITY CREEK OP W.B | Brown Fibrous Homogeneous | 40% Cellulose | 60% Non-fibrous (other) | None Detected |

Analyst(s)

 Mariah Barfield (17)
 Natalia Toscano (15)



 Derrick Tanner, Laboratory Manager
 or other approved signatory

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 Samples analyzed by EMSL Analytical, Inc. San Diego, CA NVLAP Lab Code 200855-0, CA ELAP 2713

Initial report from 06/16/2015 09:49:04

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| ProjectID: | |

| | |
|--|--|
| Attn: Freddy Torres Partner Engineering & Science 2154 Torrance Blvd Suite 200 Torrance, CA 90501 | Phone: (310) 615-4500 Fax: Received: 06/12/15 10:25 AM Analysis Date: 6/16/2015 Collected: |
| Project: 14-121800.1/ 210 EXPANSION SAN BERNARDINO, CA | |

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 |
| 9-01 431501620-0031 | PIPE INSULATION-SANTA ANA RIVER OP E.B | Gray Fibrous Homogeneous | 60% Synthetic | 40% Non-fibrous (other) | None Detected |
| 9-02 431501620-0032 | PIPE INSULATION-SANTA ANA RIVER OP W.B | Gray Fibrous Homogeneous | 60% Synthetic | 40% Non-fibrous (other) | None Detected |

Analyst(s)

 Mariah Barfield (17)
 Natalia Toscano (15)



 Derrick Tanner, Laboratory Manager
 or other approved signatory

EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported 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. 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. Non-friable organically bound materials present a problem matrix and therefore EMSL recommends gravimetric reduction prior to analysis. Samples received in good condition unless otherwise noted. Estimated accuracy, precision and uncertainty data available upon request. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Reporting limit is 1%
 Samples analyzed by EMSL Analytical, Inc. San Diego, CA NVLAP Lab Code 200855-0, CA ELAP 2713

Initial report from 06/16/2015 09:49:04

CHAIN OF CUSTODY-BULK SUSPECT ACM ANALYSIS

Partner ESI
 2154 Torrance Blvd, Suite 200
 Torrance, California 90501
 Phone (310)615-4500, Fax (310)866-928-7408

43150 1620

Technician: Freddy Torres
 Sampling Date: 6/9/15
 Page: 1 of 3

CLIENT: _____
 PROJECT #: 14-121800.1
 PROJECT LOCATION: 3210 EXPANSION SAN BERNARDINO, CA.
 Lab: L.A. Testing

| Sample # | Material Description | Sample Location | Material Location | Quantity (SF or LF) | Friable (Y or N) | Condition (G/D/SD) |
|----------|----------------------|------------------------|-------------------|---------------------|------------------|--------------------|
| 1-01 | Bridge Joint Packing | Highland OP W.B. | Bridge Overpasses | | N | G |
| 1-02 | ↓ | ↓ EB | ↓ | ↓ | ↓ | ↓ |
| 1-03 | ↓ | Arden OP EB | ↓ | ↓ | ↓ | ↓ |
| 1-04 | ↓ | ↓ W.B. | ↓ | ↓ | ↓ | ↓ |
| 2-01 | ↓ | Sand Creek OP EB | ↓ | ↓ | ↓ | ↓ |
| 2-02 | ↓ | ↓ W.B. | ↓ | ↓ | ↓ | ↓ |
| 2-03 | ↓ | VICTORIA OP W.B. | ↓ | ↓ | ↓ | ↓ |
| 2-04 | ↓ | ↓ EB | ↓ | ↓ | ↓ | ↓ |
| 3-01 | ↓ | City Creek OP EB North | ↓ | ↓ | ↓ | ↓ |
| 3-02 | ↓ | ↓ W.B. North | ↓ | ↓ | ↓ | ↓ |

Please Email results to Kroberts@partneresi.com
 CONTACT: Freddy Torres 310-204-4006

TAT: _____ SD 24HR 48HR 72HR
 ANALYSIS PLM Bulk-EPA/600 1,000 Pt Count Other

Relinquished: _____ Date/Time: 6-9-15 5:00pm
 Received: [Signature] Date/Time: 6-12-15 10:25

Legend:
 SAACM - SPRAY-APPLIED ACOUSTIC CEILING MATERIAL
 DWJC - DRY WALL JOINT COMPOUND
 VFT/M - VINYL FLOOR TILE & MASTIC
 SVF - SHEET VINYL FLOORING
 VCB/M - VINYL COVE BASE & MASTIC
 HDI - HEATING DUCT INSULATION
 PI - PIPE INSULATION
 BAI - BLOWN-IN ATTIC INSULATION

ACP - ACOUSTIC CEILING PANEL
 ACT - ACOUSTIC CEILING TILE
 RPPM - ROOF PATCH & PENETRATION MASTIC
 ARS - ASPHALT ROOF SHINGLES
 ROR - ROLLED-ON ROOFING

Comments
 Transite Pipe QTY _____ Size _____

N - North E - East
 S - South W - West
 G - Good
 D - Damaged
 SD - Sig. Damaged

CHAIN OF CUSTODY-BULK SUSPECT ACM ANALYSIS

Partner ESI

2154 Torrance Blvd, Suite 200
Torrance, California 90501

Phone (310)615-4500, Fax (310)866-928-7408

431501620

14-121800-1

Page 2 of 3

| Sample # | Material Description | Sample Location | Material Location | Quantity (SF or LF) | Friable (Y or N) | Condition (G/D/SD) |
|----------|----------------------|---------------------------------|-------------------|---------------------|------------------|--------------------|
| 3-03 | Bridge Joint Packing | City Creek OP E.B South | Bridge Overpasses | | N | G |
| 3-04 | ↓ | ↓ W.B South | | | | |
| 4-01 | | 5th Street OP E.B | | | | |
| 4-02 | | ↓ W.B | | | | |
| 4-03 | | Plunge Creek OP E.B North | | | | |
| 4-04 | | ↓ W.B ↓ | | | | |
| 4-05 | | ↓ E.B South | | | | |
| 4-06 | | ↓ W.B ↓ | | | | |
| 5-01 | | Santa Ana River OP E.B North | | | | |
| 5-02 | | ↓ W.B ↓ | | | | |
| 5-03 | | ↓ E.B South | | | | |
| 5-04 | | ↓ W.B ↓ | | | | |
| 6-01 | | Pioneer OP E.B | | | | |
| 6-02 | | ↓ W.B | | | | |
| 7-01 | Bridge Rubber Seams | Highland OP E.B | | | | |
| 7-02 | ↓ | Victoria OP W.B | | | | |
| 7-03 | ↓ | City Creek OP E.B | | | | |
| 7-04 | ↓ | 5th Street OP E.B | | | | |
| 8-01 | Brown Packing | City Creek OP E.B | | | | |
| 8-02 | ↓ | ↓ W.B | | | | |

Bridge Expansion I-210

| Shot | Date | Street | Direction | Component | Substrate | Side | Condition | Results | PbC |
|------|----------|------------------|-------------|----------------|-----------|------|-----------|----------|------|
| 1 | 6/9/2015 | Shutter Cal. | Res. 391.45 | | | | | | |
| 2 | 6/9/2015 | Calibration | | | | | | Positive | 0.9 |
| 3 | 6/9/2015 | Calibration | | | | | | Positive | 1.1 |
| 4 | 6/9/2015 | Calibration | | | | | | Positive | 0.9 |
| 5 | 6/9/2015 | Highland Ave | East Bound | Bridge Wall | Concrete | N | Intact | Negative | 0.06 |
| 6 | 6/9/2015 | Highland Ave | East Bound | Bridge Wall | Concrete | S | Intact | Negative | 0.06 |
| 7 | 6/9/2015 | Highland Ave | East Bound | Bridge Ceiling | Concrete | | Intact | Negative | 0.09 |
| 8 | 6/9/2015 | Highland Ave | West Bound | Bridge Wall | Concrete | N | Intact | Negative | 0 |
| 9 | 6/9/2015 | Highland Ave | West Bound | Bridge Wall | Concrete | S | Intact | Negative | 0 |
| 10 | 6/9/2015 | Highland Ave | West Bound | Bridge Ceiling | Concrete | | Intact | Negative | 0 |
| 11 | 6/9/2015 | Arden Ave | East Bound | Bridge Wall | Concrete | N | Intact | Negative | 0.12 |
| 12 | 6/9/2015 | Arden Ave | East Bound | Bridge Wall | Concrete | S | Intact | Negative | 0.03 |
| 13 | 6/9/2015 | Arden Ave | East Bound | Bridge Ceiling | Concrete | | Intact | Negative | 0.01 |
| 14 | 6/9/2015 | Arden Ave | West Bound | Bridge Wall | Concrete | N | Intact | Negative | 0.11 |
| 15 | 6/9/2015 | Arden Ave | West Bound | Bridge Wall | Concrete | S | Intact | Negative | 0 |
| 16 | 6/9/2015 | Arden Ave | West Bound | Bridge Ceiling | Concrete | | Intact | Negative | 0 |
| 17 | 6/9/2015 | Sand Creek | East Bound | Bridge Wall | Concrete | N | Intact | Negative | 0 |
| 18 | 6/9/2015 | Sand Creek | East Bound | Bridge Wall | Concrete | S | Intact | Negative | 0.01 |
| 19 | 6/9/2015 | Sand Creek | East Bound | Bridge Ceiling | Concrete | | Intact | Negative | 0 |
| 20 | 6/9/2015 | Sand Creek | West Bound | Bridge Wall | Concrete | N | Intact | Negative | 0.04 |
| 21 | 6/9/2015 | Sand Creek | West Bound | Bridge Wall | Concrete | S | Intact | Negative | 0.06 |
| 22 | 6/9/2015 | Sand Creek | West Bound | Bridge Ceiling | Concrete | | Intact | Negative | 0.03 |
| 23 | 6/9/2015 | Victoria Ave | East Bound | Bridge Wall | Concrete | N | Intact | Negative | 0.01 |
| 24 | 6/9/2015 | Victoria Ave | East Bound | Bridge Wall | Concrete | S | Intact | Negative | 0 |
| 25 | 6/9/2015 | Victoria Ave | East Bound | Bridge Ceiling | Concrete | | Intact | Negative | 0 |
| 26 | 6/9/2015 | Victoria Ave | West Bound | Bridge Wall | Concrete | N | Intact | Negative | 0 |
| 27 | 6/9/2015 | Victoria Ave | West Bound | Bridge Wall | Concrete | S | Intact | Negative | 0.06 |
| 28 | 6/9/2015 | Victoria Ave | West Bound | Bridge Ceiling | Concrete | | Intact | Negative | 0 |
| 29 | 6/9/2015 | Baseline Road | Bridge | Bridge Wall | Concrete | E | Intact | Negative | 0.04 |
| 30 | 6/9/2015 | Baseline Road | Bridge | Bridge Wall | Concrete | W | Intact | Negative | 0 |
| 31 | 6/9/2015 | Baseline Road | Bridge | Bridge Ceiling | Concrete | | Intact | Negative | 0 |
| 32 | 6/9/2015 | Baseline Road | Bridge | Bridge Floor | Concrete | | Intact | Negative | 0 |
| 33 | 6/9/2015 | Baseline Road | Bridge | Bridge Railing | Metal | E | Intact | Negative | 0 |
| 34 | 6/9/2015 | Baseline Road | Bridge | Bridge Fence | Metal | E | Intact | Negative | 0 |
| 35 | 6/9/2015 | City Creek North | East Bound | Bridge Wall | Concrete | N | Intact | Negative | 0 |

Bridge Expansion I-210

| | | | | | | | | | |
|----|----------|-----------------------|------------|----------------|----------|---|--------|----------|------|
| 36 | 6/9/2015 | City Creek North | East Bound | Bridge Wall | Concrete | S | Intact | Negative | 0 |
| 37 | 6/9/2015 | City Creek North | East Bound | Bridge Ceiling | Concrete | | Intact | Negative | 0.02 |
| 38 | 6/9/2015 | City Creek North | West Bound | Bridge Wall | Concrete | N | Intact | Negative | 0.03 |
| 39 | 6/9/2015 | City Creek North | West Bound | Bridge Wall | Concrete | S | Intact | Negative | 0.03 |
| 40 | 6/9/2015 | City Creek North | West Bound | Bridge Ceiling | Concrete | | Intact | Negative | 0.03 |
| 41 | 6/9/2015 | City Creek South | East Bound | Bridge Wall | Concrete | N | Intact | Negative | 0.01 |
| 42 | 6/9/2015 | City Creek South | East Bound | Bridge Wall | Concrete | S | Intact | Negative | 0.01 |
| 43 | 6/9/2015 | City Creek South | East Bound | Bridge Ceiling | Concrete | | Intact | Negative | 0.08 |
| 44 | 6/9/2015 | City Creek South | West Bound | Bridge Wall | Concrete | N | Intact | Negative | 0.01 |
| 45 | 6/9/2015 | City Creek South | West Bound | Bridge Wall | Concrete | S | Intact | Negative | 0 |
| 46 | 6/9/2015 | City Creek South | West Bound | Bridge Ceiling | Concrete | | Intact | Negative | 0 |
| 47 | 6/9/2015 | 5th Street | East Bound | Bridge Wall | Concrete | N | Intact | Negative | 0 |
| 48 | 6/9/2015 | 5th Street | East Bound | Bridge Wall | Concrete | S | Intact | Negative | 0.02 |
| 49 | 6/9/2015 | 5th Street | East Bound | Bridge Ceiling | Concrete | | Intact | Negative | 0 |
| 50 | 6/9/2015 | 5th Street | West Bound | Bridge Wall | Concrete | N | Intact | Negative | 0.14 |
| 51 | 6/9/2015 | 5th Street | West Bound | Bridge Wall | Concrete | S | Intact | Negative | 0.06 |
| 52 | 6/9/2015 | 5th Street | West Bound | Bridge Ceiling | Concrete | | Intact | Negative | 0 |
| 53 | 6/9/2015 | Plunge Creek North | East Bound | Bridge Wall | Concrete | N | Intact | Negative | 0 |
| 54 | 6/9/2015 | Plunge Creek North | East Bound | Bridge Wall | Concrete | S | Intact | Negative | 0.11 |
| 55 | 6/9/2015 | Plunge Creek North | East Bound | Bridge Ceiling | Concrete | | Intact | Negative | 0 |
| 56 | 6/9/2015 | Plunge Creek North | West Bound | Bridge Wall | Concrete | N | Intact | Negative | 0 |
| 57 | 6/9/2015 | Plunge Creek North | West Bound | Bridge Wall | Concrete | S | Intact | Negative | 0 |
| 58 | 6/9/2015 | Plunge Creek North | West Bound | Bridge Ceiling | Concrete | | Intact | Negative | 0.05 |
| 59 | 6/9/2015 | Plunge Creek South | East Bound | Bridge Wall | Concrete | N | Intact | Negative | 0 |
| 60 | 6/9/2015 | Plunge Creek South | East Bound | Bridge Wall | Concrete | S | Intact | Negative | 0 |
| 61 | 6/9/2015 | Plunge Creek South | East Bound | Bridge Ceiling | Concrete | | Intact | Negative | 0.06 |
| 62 | 6/9/2015 | Plunge Creek South | West Bound | Bridge Wall | Concrete | N | Intact | Negative | 0 |
| 63 | 6/9/2015 | Plunge Creek South | West Bound | Bridge Wall | Concrete | S | Intact | Negative | 0.02 |
| 64 | 6/9/2015 | Plunge Creek South | West Bound | Bridge Ceiling | Concrete | | Intact | Negative | 0.01 |
| 65 | 6/9/2015 | Santa Ana River North | East Bound | Bridge Wall | Concrete | N | Intact | Negative | 0 |
| 66 | 6/9/2015 | Santa Ana River North | East Bound | Bridge Wall | Concrete | S | Intact | Negative | 0.02 |
| 67 | 6/9/2015 | Santa Ana River North | East Bound | Bridge Ceiling | Concrete | | Intact | Negative | 0.05 |
| 68 | 6/9/2015 | Santa Ana River North | West Bound | Bridge Wall | Concrete | N | Intact | Negative | 0 |
| 69 | 6/9/2015 | Santa Ana River North | West Bound | Bridge Wall | Concrete | S | Intact | Negative | 0.01 |
| 70 | 6/9/2015 | Santa Ana River North | West Bound | Bridge Ceiling | Concrete | | Intact | Negative | 0.01 |
| 71 | 6/9/2015 | Santa Ana River South | East Bound | Bridge Wall | Concrete | N | Intact | Negative | 0 |

Bridge Expansion I-210

| | | | | | | | | | |
|-----------|-----------------|-----------------------|------------|----------------|----------|---|--------|-----------------|------------|
| 72 | 6/9/2015 | Santa Ana River South | East Bound | Bridge Wall | Concrete | S | Intact | Negative | 0.01 |
| 73 | 6/9/2015 | Santa Ana River South | East Bound | Bridge Ceiling | Concrete | | Intact | Negative | 0 |
| 74 | 6/9/2015 | Santa Ana River South | West Bound | Bridge Wall | Concrete | N | Intact | Negative | 0.03 |
| 75 | 6/9/2015 | Santa Ana River South | West Bound | Bridge Wall | Concrete | S | Intact | Negative | 0.02 |
| 76 | 6/9/2015 | Santa Ana River South | West Bound | Bridge Ceiling | Concrete | | Intact | Negative | 0.01 |
| 77 | 6/9/2015 | Pioneer Ave | East Bound | Bridge Wall | Concrete | N | Intact | Negative | 0.09 |
| 78 | 6/9/2015 | Pioneer Ave | East Bound | Bridge Wall | Concrete | S | Intact | Negative | 0.05 |
| 79 | 6/9/2015 | Pioneer Ave | East Bound | Bridge Ceiling | Concrete | | Intact | Negative | 0.01 |
| 80 | 6/9/2015 | Pioneer Ave | West Bound | Bridge Wall | Concrete | N | Intact | Negative | 0 |
| 81 | 6/9/2015 | Pioneer Ave | West Bound | Bridge Wall | Concrete | S | Intact | Negative | 0 |
| 82 | 6/9/2015 | Pioneer Ave | West Bound | Bridge Ceiling | Concrete | | Intact | Negative | 0 |
| 83 | 6/9/2015 | Calibration | | | | | | Positive | 1 |
| 84 | 6/9/2015 | Calibration | | | | | | Positive | 1.1 |
| 85 | 6/9/2015 | Calibration | | | | | | Positive | 1 |

Total Readings
Positive Readings

85
0

Action Level -
Units

1
mg/cm^2

APPENDIX B: SAMPLE LOCATIONS

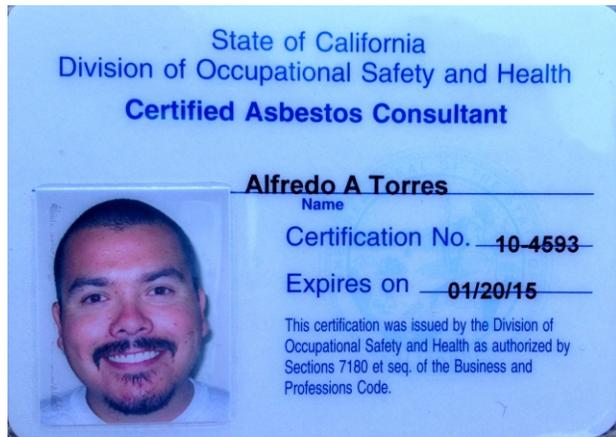


APPENDIX C: CERTIFICATIONS

Alfredo Torres

California DOSH **Certified Asbestos Consultant (CAC) #10-4593**

California DPH **Certified Lead Inspector Assessor (CLIA) #17424**



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

Kevin A Roberts



Name

Certification No. 94-1524

Expires on 11/09/15

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.

| 1990-1997 Building or Development Number of Units to Test * | Pre-1990 or Unknown-age Building or Development Number of Units to Test * | Number of Single Unit Dwellings Common Areas or Similar Dwellings |
|---|---|---|
| 01 | 01 | 01-01 |
| 02 | 02 | 02-02 |
| 03 | 03 | 03-03 |
| 04 | 04 | 04-04 |
| 05 | 05 | 05-05 |
| 06 | 06 | 06-06 |
| 07 | 07 | 07-07 |
| 08 | 08 | 08-08 |
| 09 | 09 | 09-09 |
| 10 | 10 | 10-10 |
| 11 | 11 | 11-11 |
| 12 | 12 | 12-12 |
| 13 | 13 | 13-13 |
| 14 | 14 | 14-14 |
| 15 | 15 | 15-15 |
| 16 | 16 | 16-16 |
| 17 | 17 | 17-17 |
| 18 | 18 | 18-18 |
| 19 | 19 | 19-19 |
| 20 | 20 | 20-20 |
| 21 | 21 | 21-21 |
| 22 | 22 | 22-22 |
| 23 | 23 | 23-23 |
| 24 | 24 | 24-24 |
| 25 | 25 | 25-25 |
| 26 | 26 | 26-26 |
| 27 | 27 | 27-27 |
| 28 | 28 | 28-28 |
| 29 | 29 | 29-29 |
| 30 | 30 | 30-30 |
| 31 | 31 | 31-31 |
| 32 | 32 | 32-32 |
| 33 | 33 | 33-33 |
| 34 | 34 | 34-34 |
| 35 | 35 | 35-35 |
| 36 | 36 | 36-36 |
| 37 | 37 | 37-37 |
| 38 | 38 | 38-38 |
| 39 | 39 | 39-39 |
| 40 | 40 | 40-40 |
| 41 | 41 | 41-41 |
| 42 | 42 | 42-42 |
| 43 | 43 | 43-43 |
| 44 | 44 | 44-44 |
| 45 | 45 | 45-45 |
| 46 | 46 | 46-46 |
| 47 | 47 | 47-47 |
| 48 | 48 | 48-48 |
| 49 | 49 | 49-49 |
| 50 | 50 | 50-50 |
| 51 | 51 | 51-51 |
| 52 | 52 | 52-52 |
| 53 | 53 | 53-53 |
| 54 | 54 | 54-54 |
| 55 | 55 | 55-55 |
| 56 | 56 | 56-56 |
| 57 | 57 | 57-57 |
| 58 | 58 | 58-58 |
| 59 | 59 | 59-59 |
| 60 | 60 | 60-60 |
| 61 | 61 | 61-61 |
| 62 | 62 | 62-62 |
| 63 | 63 | 63-63 |
| 64 | 64 | 64-64 |
| 65 | 65 | 65-65 |
| 66 | 66 | 66-66 |
| 67 | 67 | 67-67 |
| 68 | 68 | 68-68 |
| 69 | 69 | 69-69 |
| 70 | 70 | 70-70 |
| 71 | 71 | 71-71 |
| 72 | 72 | 72-72 |
| 73 | 73 | 73-73 |
| 74 | 74 | 74-74 |
| 75 | 75 | 75-75 |
| 76 | 76 | 76-76 |
| 77 | 77 | 77-77 |
| 78 | 78 | 78-78 |
| 79 | 79 | 79-79 |
| 80 | 80 | 80-80 |
| 81 | 81 | 81-81 |
| 82 | 82 | 82-82 |
| 83 | 83 | 83-83 |
| 84 | 84 | 84-84 |
| 85 | 85 | 85-85 |
| 86 | 86 | 86-86 |
| 87 | 87 | 87-87 |
| 88 | 88 | 88-88 |
| 89 | 89 | 89-89 |
| 90 | 90 | 90-90 |
| 91 | 91 | 91-91 |
| 92 | 92 | 92-92 |
| 93 | 93 | 93-93 |
| 94 | 94 | 94-94 |
| 95 | 95 | 95-95 |
| 96 | 96 | 96-96 |
| 97 | 97 | 97-97 |
| 98 | 98 | 98-98 |
| 99 | 99 | 99-99 |
| 100 | 100 | 100-100 |

State of California Department of Public Health

Lead-Related Construction Certificate

Certificate Type: Inspector/Assessor

Expiration Date: 01/05/2016




Kevin A. Roberts ID #: 3530

For details of this and other information, please contact the Department of Public Health, 880 North Gate Avenue, Berkeley, CA 94709, (415) 987-3200, or visit our website at www.cdph.ca.gov.

APPENDIX D: PHOTOGRAPHIC DOCUMENTATION



1. View of the painted overpass.



2. View of the bridge joint packing.



3. View of the bridge brown packing.



4. View of the bridge pipe insulation.



5. View of the bridge rubber seam joints.



6. View of the bridge painted underpass.