

LIMITED ASBESTOS AND LEAD-BASED PAINT ASSESSMENT STUDY

BRIDGE N108

TOHATCHI, NEW MEXICO 87325

July 19, 2021

Prepared For:

WILSON & COMPANY

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NV5 PROJECT NO.444321-8840000.00
DOCUMENT NO. 444321-8840000.00-ABQ21RP0001

EXECUTIVE SUMMARY

NV5, Inc. was retained by Mr. Derek Meier, with Wilson & Company, to perform a Limited Asbestos and Lead-Based Paint (LBP) Survey at the N108 Bridge in Tohatchi, NM.

The bridge is planned for demolition and this assessment was performed to identify whether asbestos-containing building materials (ACBMs) or LBP surfaces are present. NV5 was requested to assess areas that may contain ACBMs or LBPs. ACBMs and LBP surfaces would potentially present health risks to construction workers during the demolition. Bridge building materials and paint samples were collected on June 24, 2021 and analyzed for Asbestos and lead content at an independent laboratory.

Asbestos

The N108 Bridge is a single lane bridge constructed with a steel superstructure, metal decking, and aluminum drive surface. During the site assessment, several ACBM-suspect areas were identified. It is possible that ACBMs are present in areas that were inaccessible for sampling, such as between the steel superstructure and the driving surface.

Three (3) samples of suspected ACBM were taken from the damaged deck plates interior that were exposed. Analytical Test results did not detect the presence of ACBMs.

National Emission Standards for Hazardous Air Pollutants (NESHAP) regulations require notification prior to demolition or renovation of commercial or public buildings (even if no ACBMs are present).

Based on the information obtained to date, NV5, Inc. makes the following conclusions and recommendations regarding ACBMs:

- Areas assessed by NV5; Inc. do not appear to contain ACBMs. Any potential ACBMs that are discovered during demolition or remodeling should either be sampled to confirm the presence of asbestos or should be assumed to contain asbestos and be removed and appropriately disposed.
- ACBMs (friable and nonfriable) and ACBM-contaminated materials that are removed must be disposed at a Special Waste Landfill.

Conclusions made about the locations of ACBMs were based on the visual inspection made and do not represent materials inaccessible during the visual inspection.

Lead-Based Paint

Six samples of paint were collected and submitted for lead analyses. Lead Based Paint (LBP) was identified on the structure of the bridge. Four of the six paint samples collected were above the LBP definition. These painted surfaces were semi-intact and were flaking in areas.

NV5, Inc. recommends management of the lead-based paint materials during demolition in accordance with NMED guidelines. Any contractor disturbing lead containing materials must comply with OSHA 29 CFR 1926.62 Lead in Construction Standard.

Based on the information obtained to date, NV5, Inc. makes the following conclusions and recommendations regarding LBP's:

- Areas sampled by NV5; Inc. contain Lead-Based Paint coated materials. Four (4) of the six (6) samples containing LBP require special handling.
- Any potential LBP's that are discovered during demolition or remodeling should either be sampled to confirm the presence of LBP or should be assumed to contain LBP and be removed and appropriately disposed.
- LBP's (Dust or flakes) and LBP soil-contaminated materials that are removed must be disposed at a Special Waste Landfill.

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1.0 INTRODUCTION

NV5, Inc. was retained by Mr. Derek Meier with Wilson & Company, to perform a Limited Asbestos Containing Building Material (ACBM) and Lead-Based Paint (LBP) Survey at the N108 Bridge in Tohatchi, NM. The N108 Bridge is planned for demolition and this assessment was performed to identify whether asbestos-containing building materials (ACBMs) or Lead Based Paint (LBP) surfaces exist on the bridge structure and if the materials would potentially present health risks to construction workers during the demolition.

The scope of the limited survey included the following activities:

- Collection of up to nine suspect ACBMs samples for asbestos content and analyses by an independent laboratory.
- Collection of up to nine suspect LBPs samples for lead content and analyses by an independent laboratory.
- Evaluation of laboratory analytical reports; and
- Preparation of this report summarizing the information obtained.

The ACBM & LBP material samples were collected by Mr. Robert Abeyta, a certified Asbestos Inspector (Certificate No. IR160217002) and EPA Lead Based Paint Inspector (Certification No.: I18-0457-LI-CO).

Representative samples of construction materials should also be sampled for TCLP analysis to ensure that the materials could be properly disposed of at the appropriate location.

2.0 LIMITED ASBESTOS SURVEY

2.1 ASBESTOS REGULATORY BACKGROUND

The U.S. Environmental Protection Agency (EPA) and Occupational Safety and Health Administration (OSHA) have defined "asbestos" as naturally occurring minerals that include chrysotile, amosite, crocidolite, tremolite, anthophyllite, actinolite, and any of those minerals that have been chemically treated and/or altered. Chrysotile is a serpentine mineral, and the other asbestiform minerals are amphiboles. These fibrous silicate minerals were added to building materials for their thermal insulation, chemical stability, and high tensile strength properties. Asbestos minerals were added to cement pipes, brake shoes, duct insulation, flooring, mastic, gaskets, spray-applied textures, blown-in insulation, wiring insulation, taping

compounds, packing materials, roofing shingles, roofing felt, ceiling panels and more than 3,000 other building products between 1877 and the 1980s. The EPA has defined and classified ACBMs into the following categories:

- Friable ACBM: any material containing more than one percent asbestos by weight that when dry can be crumbled, pulverized, or reduced to powder by hand pressure.
- Category I nonfriable ACBM: packings, gaskets, resilient floor covering, and asphalt roofing products containing more than one percent asbestos.
- Category II nonfriable ACBM: any material excluding Category I nonfriable ACBM containing more than one percent asbestos that when dry cannot be crumbled, pulverized, or reduced to powder by hand pressure.
- Regulated Asbestos-Containing Material: (RACM) means (a) Friable asbestos material; (b) Category I nonfriable ACBM that has become friable; (c) Category I nonfriable ACBM that will be or has been subjected to sanding, grinding, cutting, or abrading; or (d) Category II nonfriable ACBM that has a high probability of becoming or has become crumbled, pulverized, or reduced to powder by the forces expected to act on the material in the course of demolition or renovation operations.

Generally, when asbestos is mixed into a building material it is not distributed homogeneously throughout the material. Therefore, one sample of the material may have a high asbestos content, while asbestos may not be detected in a second sample of the same material. Subsequently, multiple samples of each friable building material are usually collected and analyzed. If one sample of a material contains asbestos, then all that material is considered to contain asbestos, even if asbestos fibers were not identified in other samples of the same material.

OSHA regulates removal practices and employee exposures to ACBMs pursuant to 29 CFR 1926.1101. The NMED Solid Waste Bureau (SWB) regulations specify that ACBM wastes generated as a function of building demolition or renovation must be disposed at a Special Waste Landfill. This regulation does not differentiate between friable and nonfriable ACBMs (more than 1% asbestos).

2.2 Field Sampling

The N108 Bridge is a single lane bridge constructed with a steel superstructure, metal decking, and aluminum drive surface. During the site assessment, several ACBM-suspect areas were identified. It is possible that ACBMs are present in areas that were inaccessible for sampling, such as between the steel superstructure and the driving surface.

Three (3) samples of suspected ACBM were taken from the damaged deck plates interior that were exposed. Suspect material is layered within the aluminum deck plates. Most of the road surface is comprised of these plates, except for those that have been replaced with flat steel plates. There was no evidence of the removed/replaced plates onsite.

2.3 LABORATORY ANALYTICAL RESULTS

Three (3) samples were collected and sent to an independent accredited lab for analysis.

Sample Number	Homogenous Area	Location	Material Description	Result
1	Interior material	Deck Plates N. end	Filler material	None Detected
2	Interior material	Deck Plates Mid span	Filler material	None Detected
3	Interior material	Deck Plates S. end	Filler material	None Detected

2.4 MANAGEMENT OPTIONS

Although suspect ACBMs locations were identified, it is possible that ACBMs are present in areas that were inaccessible for sampling such as in inaccessible areas between the frame and plates. If materials are encountered during demolition activities, they may be assumed to contain asbestos or additional sampling can be performed.

ACBM Removal

By Federal law, only licensed abatement firms may remove friable ACBMs. A General Contractor may remove nonfriable ACBMs, but all NESHAP regulations must be followed. Personnel involved in asbestos work must be trained per the OSHA 1926.1101 asbestos guidelines. NV5, Inc. recommends that only qualified and licensed asbestos abatement contractors should remove, repair, or encapsulate any ACBM.

ACBM Disposal

The New Mexico Environmental Department (NMED)- Hazardous Waste Bureau regulations require that all waste ACBMs (more than 1% asbestos) should be disposed at a Special Waste Landfill. When ACBMs are to be removed, the property owner or its representatives should:

- Comply with requirements for asbestos demolition/renovation projects, which are governed by NESHAP, OSHA, and the State of New Mexico.
- Notify local, state, and federal air quality regulators by letter prior to ACBM removal, as required by the NESHAP regulations.
- Retain the services of an independent analytical testing laboratory or consulting firm to monitor the performance of the abatement contractor, the completeness of the removal work, and the quality of the air before, during, and after the removal work to ensure that the contractor meets project specifications; also, to document if the work was performed in compliance with the respective EPA and OSHA standards.
- Perform a final visual inspection and air clearance sampling prior to reoccupying the asbestos removal work area.
- Document all correspondence from the abatement contractor and the testing laboratory and retain this information in a permanent record.

3.0 LIMITED LEAD-BASED PAINT SURVEY

The purpose of the LBP survey was to provide information and to select appropriate responses regarding the potential presence of LBP at Bridge N108. The lead-based paint history of the single lane bridge was not made available prior to conducting the LBP survey of the structure. The LBP survey evaluates the potential LBP exposures for workers during the demolition of Bridge N108.

3.1 LEAD-BASED PAINT REGULATIONS

Worker Safety

Employee protection requirements for construction workers that may be exposed to lead are described in Title X, Subtitle C, Sections 1031 and 1032 (Worker Protection) of the Housing and Community Development Act of 1992 amending the OSHA standards for occupational health and environmental controls in Subpart D of 29 CFR Part 1926 by adding Section 1926.62. OSHA subsequently established a permissible exposure level (PEL) of 50 micrograms of lead per cubic meter of air ($\mu\text{g}/\text{m}^3$) for workers. OSHA recommends medical surveillance and automatic reporting of excessive blood-lead levels for abatement workers or other persons who may be exposed to lead occupationally. Contractors working at the site should be familiar with the LBP awareness training requirements.

The OSHA Construction Standard requires that employers assure that good work practices are followed when worker exposure to lead exceeds the action level, which is an 8-hour Time Weighted Average (TWA) of $30 \mu\text{g}/\text{m}^3$. Since the Bridge 9402 is planned for demolition, OSHA worker exposure regulations apply to this project. When painted surfaces are disturbed and lead paint is suspected, workers should perform the work in a way that will contain the generated lead dust.

A positive finding of LBP is identified by the following:

- A reading of $1.0 \text{ mg}/\text{cm}^2$ by using a spectrum or direct reading x-ray fluorescence (XRF) analyzer or by using chemical testing; or
- A reading of 0.5% by weight as determined by using flame atomic absorption spectroscopic (AAS) analysis or by using inductively coupled plasma atomic emission spectrometry. Please note that 0.5% by weight is equivalent to 5,000 milligrams per kilogram (mg/Kg).

The State of New Mexico has not developed LBP exposure or sampling standards that are different from the federal regulations.

LBP Disposal

If LBP is present at a demolition or renovation site, then EPA also regulates the amount of lead that can be disposed at a landfill.

3.2 FIELD SAMPLING

NV5, Inc. collected six paint samples for lead analyses. The six samples collected are considered reasonable for providing preliminary worker exposure information regarding the potential presence of LBP at the project. Samples were collected by Mr. Robert Abeyta, EPA Lead Based Paint Inspector (Certification No.: I18-0457-LI-CO). Samples were submitted to LA Testing Laboratory analyzed by Method SW 846 3050B/7000B) using Flame AAS.

During the assessment, the exterior paint surfaces were tested with 3M™ Lead Check Swabs to determine probable sampling areas. Each Test kit was verified active using the QC check card before and after sampling surfaces. Lead Check Swabs were used as directed in the manufacturer's instructions. The Lead Check Swabs Test Kit, Lot: AASBB71, were purchased 1 day prior to sampling and are EPA recognized. Six painted surfaces were tested with the 3M™ swabs. All six paint surfaces indicated a possible lead content using the 3M swab; therefore, a sample was collected.

Latex gloves were worn while collecting the samples. Sample knives were wiped with wet paper towels between sampling events to reduce the potential for sample cross-contamination. Each paint sample was placed into a sealable plastic bag that was labeled with an indelible marker. Photographs of sample locations are presented in Appendix 2.

Sample No.	Location	Area	Date/Time Sampled
1	Ballard reflective paint – North end, West side	60 SF	6-23-21/7:42 am
2	Red, white, black paint on N end rail, W side of bridge	100 SF	6-23-21/7:55 am
3	Mid span, blue and white paint	100 SF	6-23-21/8:05 am
4	Mid span west side red, blue, white paint	60 SF	6-23-21/8:20 am
5	Truss W. side mid span, white paint	150 SF	6-23-21/8:35 am
6	N end rail w side green paint	40 SF	6-23-21/8:50 am

3.3 LABORATORY ANALYTICAL RESULTS

All six paint samples contained lead. The total lead content of each sample is reported as a percentage of the total weight of the sample. A sample would have to contain 0.5% (5,000 mg/Kg) lead by Flame AAS analysis (SW 846 3050B/7000B) or greater to meet the definition of Lead Based Paint. Four samples exceeded 0.5% lead and two samples were less.

Lead Analytical Results are listed below:

Sample No.	Location	% By Weight	mg/cm ²	
1	Ballard reflective paint – North end, West side	0.11	0.000064	
2	Red, white, black paint on N end rail, W side of bridge	2.0	0.000047	*
3	Mid span, blue and white paint	3.5	0.00026	*
4	Mid span west side red, blue, white paint	1.5	0.000050	*
5	Truss W. side mid span, white paint	7.0	0.00014	*
6	N end rail w side green paint	0.22	0.000010	

*Contains greater than 0.5% by weight of lead-based paint.

The analytical results are contained in Appendix 1.

3.4 LBP MANAGEMENT

LBP was identified at the subject structure. Locations of the sampled areas are shown on Figure 1. NV5, Inc. recommends management of the lead-based paint materials during demolition in accordance with NMED guidelines. Any contractor disturbing lead containing materials must comply with OSHA 29 CFR 1926.62 Lead in Construction Standard. LBP-containing materials must also be properly disposed according to New Mexico landfill requirements.

4.0 CONCLUSIONS AND RECOMMENDATIONS

4.1 ASBESTOS

No ACBMs were identified during the bridge assessment. Therefore, no samples were collected. It is possible that ACBMs are present in areas that were inaccessible for sampling such as between the beams and the overlying wood surfaces.

NESHAP regulations require notification prior to demolition or renovation of commercial or public buildings and structures (even if no ACBMs are present). Based on the information obtained to date, NV5, Inc. makes the following conclusions and recommendations regarding ACBMs:

- Any potential ACBMs that are discovered during demolition should either be sampled to confirm the presence of asbestos or should be assumed to contain asbestos and be removed and appropriately disposed.
- Although non-friable ACBMs that will be disturbed during demolition may be removed by the General Contractor, all NESHAP regulations must be followed. It is recommended that a qualified, licensed abatement contractor be used.
- ACBMs (friable and non-friable) and ACBM-contaminated materials that are removed must be disposed at a Special Wastes Landfill.

4.2 LEAD-BASED PAINT

Four of the six paint samples identified materials with LBP. These painted surfaces were semi-intact and were flaking. NV5, Inc. does not recommend further sampling for LBP.

NV5, Inc. recommends management of the lead-based paint materials during demolition in accordance with NMED guidelines. Any contractor disturbing lead containing materials must comply with OSHA 29 CFR 1926.62 Lead in Construction Standard.

Representative samples of construction materials should also be sampled for TCLP analysis to ensure that the materials could be properly disposed of at the appropriate location.

5.0 LIMITATIONS

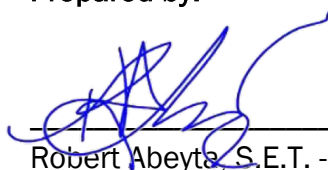
These professional services have been performed by NV5, Inc., using that degree of care and skill ordinarily exercised under similar circumstances by reputable environmental consultants practicing in this or similar localities. No other warranty, expressed or implied, is made. The professional services performed do not guarantee compliance with federal, state, or local laws. This report is not a bidding document, and any contractor or consultant reviewing this report must draw their own conclusions regarding further investigation or remediation deemed necessary for the project.

This report of findings completes the agreed scope of services. The scope of work for this Asbestos and Lead-Based Paint Survey is limited to observations made during the site visit, information provided by the site manager, and analytical services provided by an independent laboratory. As a result, these conclusions are based on information supplied by others and interpretations by qualified personnel. NV5, Inc. cannot be held responsible for the accuracy or completeness of the analyses performed by an independent laboratory. NV5, Inc. did select a laboratory that is known to be reputable and certified to perform the analyses. Any conclusions and/or recommendations made in this report are subject to modification if subsequent information is obtained.

Project services have been completed in agreement with our understanding with the client. Although the sampling program was designed to identify representative building materials that may contain asbestos or LBP, it is possible that asbestos or LBP may be present at locations that were not sampled.

Asbestos sampling was completed by a certified Asbestos and LBP Inspector under a limited scope of work. This report provides opinions of NV5, Inc. concerning the possible presence of ACM's and LBP in the building materials comprising the structure. NV5, Inc. assumes no responsibility for conditions that were not specifically evaluated or conditions that were not generally recognized as environmentally unacceptable at the time this report was prepared.

Prepared by:



Robert Abeyta, S.E.T. -Inspector
RKA/cm

Reviewed by:



Ralph L. Abeyta, P.E.

Project No. 444321-8840000.00.00 Client: Wilson & Company
Site: Bridge N108 Tohatchi, NM.

Summary Table 1 ACBM Samples

Sample ID	Surfacing, TSI, Misc.	Friability	Damage	Potential for Disturbance	Quantity (approximate)	Description
1	Misc.	Moderate	Physical	Significant	<300 SF	Surface Panel filler material
2	Misc.	Moderate	Physical	Significant	<300 SF	Surface Panel filler material
3	Misc.	Moderate	Physical	Significant	<300 SF	Surface Panel filler material

Summary Table 2 LBP Samples

Sample ID	Quantity	Sample Location Description	Substrate	Condition
1	60 SF	Ballard reflective paint – North end, West side	Steel	Poor
2	100 SF	Red, white, black paint on N end rail, W side of bridge	Steel	Poor
3	100 SF	Mid span, blue and white paint	Steel	Poor
4	60 SF	Mid span west side red, blue, white paint	Steel	Poor
5	150 SF	Truss W. side mid span, white paint	Steel	Poor
6	40 SF	N end rail w side green paint	Steel	Poor

Sample locations 1-6



Figure 1

Appendix 1

SITE PHOTO'S



Bridge deck plates - damaged, with interior material degrading



East Rail outside looking from South to North.



East Rail outside looking North to South.



East Rail south end



East Rail support structure



East rail



East side showing paint flaking off.



NE corner of bridge



North end looking South.



NW corner of bridge



South end looking North.



South end of bridge



Underside of bridge from north looking south.



Underside of bridge superstructure



Underside of north end of bridge



West Rail blue paint at mid span



West Rail deck support system



West Rail outside looking from South to North.



West Rail outside looking North to South.



West Rail Red paint at mid span



West Rail support structure



West Rail white paint on verticals



West rail



West side showing paint flaking off.

Appendix 2

Analytical Test Results and Chain of Custody



LA Testing

5431 Industrial Drive Huntington Beach, CA 92649

Tel/Fax: (714) 828-4999 / (714) 828-4944

<http://www.LATesting.com> / gardengrovelab@lateesting.com

LA Testing Order: 332114248

Customer ID: AIRQ22A

Customer PO: 444320-884.1

Project ID:

Attention: Robert Abeyta

NV5, Inc

4374 Alexander Blvd NE, Suite K

Albuquerque, NM 87107

Phone: (505) 344-7393

Fax:

Received Date: 06/25/2021 10:35 AM

Analysis Date: 07/01/2021

Collected Date:

Project: N108 Tohatchi Bridge

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 332114248-0001	Deck plates - interior material - north end - Layered aluminum with filler media	Brown/Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
2 332114248-0002	Deck plates - interior material - mid span - Layered aluminum with filler media	Brown/Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
3 332114248-0003	Deck plates - interior material - south end - Layered aluminum with filler media	Brown/Silver Non-Fibrous Heterogeneous		100% Non-fibrous (Other)	None Detected

Analyst(s)

Jeffrey wang (2)

Sotheary Son (1)

Michael Chapman, Laboratory Manager
or Other Approved Signatory

LA Testing maintains liability limited to cost of analysis. Interpretation and use of test results are the responsibility of the client. This report relates only to the samples reported above, and may not be reproduced, except in full, without written approval by LA Testing. LA Testing bears no responsibility for sample collection activities or analytical method limitations. The report reflects the samples as received. Results are generated from the field sampling data (sampling volumes and areas, locations, etc.) provided by the client on the Chain of Custody. Samples are within quality control criteria and met method specifications unless otherwise noted. 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 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 LA Testing recommends gravimetric reduction prior to analysis. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Estimation of uncertainty is available on request.

Samples analyzed by LA Testing Huntington Beach, CA NVLAP Lab Code 101384-0, CA ELAP 1406

Initial report from: 07/01/2021 14:48:53



Asbestos Bulk Building Materials - Chain of Custody

EMSL Order Number / Lab Use Only

#332114248

LATesting

5431 Industrial Drive

Huntington Beach, CA 92649

PHONE: (714) 828-4999

EMAIL: huntingtonbeachlab@latestesting.com

Customer Information	Customer ID:			Billing Information	Billing ID:				
	Company Name:	NV5, Inc			Company Name:	NV5, Inc			
	Contact Name:	Robert Abeyta			Billing Contact:	Cindy Martinez			
	Street Address:	4374 Alexander Blvd NE, Suite K			Street Address:	4374 Alexander Blvd NE, Suite K			
	City, State, Zip:	Albuquerque NM 87107	Country:		US	City, State, Zip:	Albuquerque NM	Country:	US
	Phone:	505-344-7393			Phone:	505-344-7393			
	Email(s) for Report:	robert.abeyta@nv5.com			Email(s) for Invoice:	cindy.martinez@nv5.com			

Project Information				
Project Name/No:	N108 Tohatchi Bridge		Purchase Order:	444320-884.1
EMSL LIMS Project ID:	(If applicable, EMSL will provide)		US State where samples collected:	NM
State of Connecticut (CT) must select project location:		☐ Commercial (Taxable) ☐ Residential (Non-Taxable)		
Sampled By Name:	Robert Abeyta	Sampled By Signature:		
Turn-Around Time (TAT)		No. of Samples in Shipment		
☐ 3 Hour ☐ 6 Hour ☐ 24 Hour ☐ 32 Hour ☐ 48 Hour ☐ 72 Hour ☐ 96 Hour ☒ 1 Week ☐ 2 Week		3		

PLM - Bulk (reporting limit) ☒ PLM EPA 600/R-93/116 (<1%) ☐ PLM EPA NOB (<1%) ☐ POINT COUNT ☐ 400 (<0.25%) ☐ 1,000 (<0.1%) POINT COUNT w/ GRAVIMETRIC ☐ 400 (<0.25%) ☐ 1,000 (<0.1%) ☐ NIOSH 9002 (<1%) ☐ NYS 198.1 (Friable - NY) ☐ NYS 198.6 NOB (Non-Friable - NY) ☐ NYS 198.8 (Vermiculite SM-V)	Test Selection ☐ TEM - Bulk ☐ TEM EPA NOB ☐ NYS NOB 198.4 (Non-Friable-NY) ☐ TEM EPA 600/R-93/116 w Milling Prep (0.1%) Other Tests (please specify) ☐ Positive Stop - Clearly Identified Homogeneous Areas (HA)
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Sample Number	HA Number	Sample Location	Material Description
1	1	Deck plates - interior material - North end	Layered aluminum with filler media
2	1	Deck plates - interior material - Mid span	Layered aluminum with filler media
3	1	Deck plates - interior material - South end	Layered aluminum with filler media

Special Instructions and/or Regulatory Requirements (Sample Specifications, Processing Methods, Limits of Detection, etc.)

Method of Shipment:	Sample Condition Upon Receipt:		
Relinquished by:	Robert Abeyta	Date/Time:	6-24-21/12:00
Relinquished by:		Received by:	J5(Fx)
		Date/Time:	6/25/21 10:35a

Controlled Document - Asbestos Bulk R5 03/18/2021



AGREE TO ELECTRONIC SIGNATURE (By checking, I consent to signing this Chain of Custody document by electronic signature.)

EMSL Analytical, Inc.'s Laboratory Terms and Conditions are incorporated into this Chain of Custody by reference in their entirety. Submission of samples to EMSL Analytical, Inc. constitutes acceptance and acknowledgment of all terms and conditions by Customer.



LA Testing

5431 Industrial Drive, Huntington Beach, CA 92649

Phone: (714) 828-4999 Fax: (714) 828-4944 Email: gardengrovelab@latesting.com

Attn: Robert Abeyta
NV5, Inc
4374 Alexander Blvd NE, Suite K
Albuquerque, NM 87107

Fax: Phone: (505) 344-7393

Project: **N108 Tohatchi Bridge**

Customer ID: AIRQ22A
Customer PO: 444320-884.1
Received: 06/25/21 10:35 AM

LA Testing Order: 332114248
LA Testing Proj ID:
Cust COC ID
Project Type: Standard

Confirmation of Samples Received

Shipping Tracking Number:

Cust Sample	EMSL Order ID	Test	Received Date	TAT	Due Date
1	332114248-0001	PLM	6/25/2021 10:35:00 AM	1 Week	7/2/2021 10:35:00 AM
2	332114248-0002	PLM	6/25/2021 10:35:00 AM	1 Week	7/2/2021 10:35:00 AM
3	332114248-0003	PLM	6/25/2021 10:35:00 AM	1 Week	7/2/2021 10:35:00 AM



LA Testing

5431 Industrial Drive, Huntington Beach, CA 92649

Phone/Fax: (714) 828-4999 / (714) 828-4944

<http://www.LATesting.com>

gardengrovelab@latesting.com

LA Testing Order: 332114246
CustomerID: AIRQ22A
CustomerPO: 444321-884.2
ProjectID:

Attn: **Robert Abeyta**
NV5, Inc
4374 Alexander Blvd NE, Suite K
Albuquerque, NM 87107

Phone: (505) 344-7393
Fax:
Received: 6/25/2021 10:35 AM
Collected: 6/23/2021

Project: **N108 Tohatchi Bridge**

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

Client Sample Description	Collected	Analyzed	Area	Total Weight	Weight	RDL	Lead Concentration
1 332114246-0001	6/23/2021	7/2/2021	55741.8 cm ²	3.2923 g	0.2889 g	0000047 mg/cm ²	0.000064 mg/cm ²
Site: Ballard reflective paint - north end, west side							
2 332114246-0002	6/23/2021	7/2/2021	92903 cm ²	0.2141 g	0.2141 g	0000022 mg/cm ²	0.000047 mg/cm ²
Site: Red, white, black paint on N end rail, W. side of bridge							
3 332114246-0003	6/23/2021	7/2/2021	92903 cm ²	0.697 g	0.2801 g	0000060 mg/cm ²	0.00026 mg/cm ²
Site: Mid span, blue and white paint							
4 332114246-0004	6/23/2021	7/2/2021	55741.8 cm ²	0.188 g	0.188 g	0000036 mg/cm ²	0.000050 mg/cm ²
Site: Mid span west side, red, blue, white paint							
5 332114246-0005	6/23/2021	7/2/2021	139355 cm ²	0.268 g	0.268 g	0000015 mg/cm ²	0.00014 mg/cm ²
Site: Truss W. side mid span, white paint							
6 332114246-0006	6/23/2021	7/2/2021	37161.2 cm ²	0.1798 g	0.1798 g	0000054 mg/cm ²	0.000010 mg/cm ²
Site: N end rail W. side green paint							

Michael Chapman, Laboratory Manager
or other approved signatory

LA Testing maintains liability limited to cost of analysis. Interpretation and use of test results are the responsibility of the client. This report relates only to the samples reported above, and may not be reproduced, except in full, without written approval by LA Testing. LA Testing bears no responsibility for sample collection activities or analytical method limitations. The report reflects the samples as received. Results are generated from the field sampling data (sampling volumes and areas, locations, etc.) provided by the client on the Chain of Custody. Samples are within quality control criteria and met method specifications unless otherwise noted.

Analysis following Lead in Paint by LA Testing SOP/Determination of Environmental Lead by FLAA. Reporting limit is 0.008% wt based on the minimum sample weight per our SOP. "<" (less than) result signifies the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. Definitions of modifications are available upon request.

Samples analyzed by LA Testing Huntington Beach, CA AIHA-LAP, LLC--ELLAP Accredited #101650, CA ELAP 1406

Initial report from 07/02/2021 11:58:10



LA Testing

5431 Industrial Drive, Huntington Beach, CA 92649

Phone/Fax: (714) 828-4999 / (714) 828-4944

<http://www.LATesting.com>

gardengrovelab@latesting.com

LA Testing Order: 332114246
CustomerID: AIRQ22A
CustomerPO: 444321-884.2
ProjectID:

Attn: **Robert Abeyta**
NV5, Inc
4374 Alexander Blvd NE, Suite K
Albuquerque, NM 87107

Phone: (505) 344-7393
Fax:
Received: 6/25/2021 10:35 AM
Collected: 6/23/2021

Project: **N108 Tohatchi Bridge**

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

Client Sample	Description	Collected	Analyzed	Weight	RDL	Lead Concentration
1		6/23/2021	7/2/2021	0.2889 g	0.0080 % wt	0.11 % wt
332114246-0001	Site: Ballard reflective paint - north end, west side					
2		6/23/2021	7/2/2021	0.2141 g	0.093 % wt	2.0 % wt
332114246-0002	Site: Red, white, black paint on N end rail, W. side of bridge					
3		6/23/2021	7/2/2021	0.2801 g	0.80 % wt	3.5 % wt
332114246-0003	Site: Mid span, blue and white paint					
4		6/23/2021	7/2/2021	0.188 g	0.11 % wt	1.5 % wt
332114246-0004	Site: Mid span west side, red, blue, white paint					
5		6/23/2021	7/2/2021	0.268 g	0.80 % wt	7.0 % wt
332114246-0005	Site: Truss W. side mid span, white paint					
6		6/23/2021	7/2/2021	0.1798 g	0.011 % wt	0.22 % wt
332114246-0006	Site: N end rail W. side green paint					

Michael Chapman, Laboratory Manager
or other approved signatory

LA Testing maintains liability limited to cost of analysis. Interpretation and use of test results are the responsibility of the client. This report relates only to the samples reported above, and may not be reproduced, except in full, without written approval by LA Testing. LA Testing bears no responsibility for sample collection activities or analytical method limitations. The report reflects the samples as received. Results are generated from the field sampling data (sampling volumes and areas, locations, etc.) provided by the client on the Chain of Custody. Samples are within quality control criteria and met method specifications unless otherwise noted.

Analysis following Lead in Paint by LA Testing SOP/Determination of Environmental Lead by FLAA. Reporting limit is 0.008% wt based on the minimum sample weight per our SOP. "<" (less than) result signifies the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. Definitions of modifications are available upon request.

Samples analyzed by LA Testing Huntington Beach, CA AIHA-LAP, LLC--ELLAP Accredited #101650, CA ELAP 1406

Initial report from 07/02/2021 11:55:54

Emsl Order Number / Lab Use Only

3 3 2 1 1 4 2 4 6

EMAIL · huntingtonbeachlab@latestesting.com

Controlled Document - COC-25 Lead 816 4/19/2021

*6010C Available Upon Request

☒ **AGREE TO ELECTRONIC SIGNATURE** (By checking, I consent to signing this Chain of Custody document by electronic signature.)

EMSL Analytical, Inc.'s Laboratory Terms and Conditions are incorporated into this Chain of Custody by reference in their entirety. Submission of samples to EMSL Analytical, Inc. constitutes acceptance and acknowledgment of all terms and conditions by Customer.

EMSL Order Number / Lab Use Only

EMAIL: huntingtonbeachlab@latesting.com

3 3 2 1 1 4 2 4 6

Special Instructions and/or Regulatory Requirements (Sample Specifications, Processing Methods, Limits of Detection, etc.)

Controlled Document - COC-25 Lead R16 4/19/2021

☒ **AGREE TO ELECTRONIC SIGNATURE** (By checking, I consent to signing this Chain of Custody document by electronic signature.)

Page 2 of 2



LA Testing

5431 Industrial Drive, Huntington Beach, CA 92649

Phone: (714) 828-4999

Fax: (714) 828-4944

Email: gardengrovelab@latesting.com

Attn: Robert Abeyta
NV5, Inc
4374 Alexander Blvd NE, Suite K
Albuquerque, NM 87107

Fax: Phone: (505) 344-7393

Project: **N108 Tohatchi Bridge**

Customer ID: AIRQ22A
Customer PO: 444321-884.2
Received: 06/25/21 10:35 AM

LA Testing Order: 332114246
LA Testing Proj ID:
Cust COC ID
Project Type: Standard

Confirmation of Samples Received

Shipping Tracking Number:

Cust Sample	EMSL Order ID	Test	Received Date	TAT	Due Date
1	332114246-0001	PLM	6/25/2021 10:35:00 AM	1 Week	7/2/2021 10:35:00 AM
2	332114246-0002	PLM	6/25/2021 10:35:00 AM	1 Week	7/2/2021 10:35:00 AM
3	332114246-0003	PLM	6/25/2021 10:35:00 AM	1 Week	7/2/2021 10:35:00 AM
4	332114246-0004	PLM	6/25/2021 10:35:00 AM	1 Week	7/2/2021 10:35:00 AM
5	332114246-0005	PLM	6/25/2021 10:35:00 AM	1 Week	7/2/2021 10:35:00 AM
6	332114246-0006	PLM	6/25/2021 10:35:00 AM	1 Week	7/2/2021 10:35:00 AM

Appendix 3

Inspector Certifications



CHC Training
Environmental Compliance Certification Experts

www.chctraining.com
303.412.6360
855.60.CERTIFY

1775 W. 55th Avenue
Denver, Colorado 80221
United States of America

CERTIFICATE OF ACHIEVEMENT

This certificate is awarded to:

ROBERT K ABEYTA

In recognition of satisfactory completion of the EPA-approved annual asbestos refresher training provided in accordance with the Model Accreditation Plan (MAP) (40 CFR Part 763, Subpart E, Appendix C) and AHERA of the Toxic Substances Control Act (TSCA) entitled:

BUILDING INSPECTOR

COURSE COMPLETION:

FEBRUARY 5, 2021

EXAMINATION DATE:

FEBRUARY 5, 2021

EXPIRATION DATE:

FEBRUARY 5, 2022

COURSE HOURS:

4.0



Verify this Certificate

Danaya N. Wilson

CEO & Training Program Manager

Credential License ID:
28433901



Aaron Hix

Instructor

CHC Training Certificate No.
R21-0130-AI-O



Renew this Certificate



CHC Training
Nationwide Training & Certification Experts

www.chctraining.com
303.412.6360
855.60.CERTIFY

1775 West 55th Avenue
Denver, CO 80221,
United States of America

Colorado State Approval No. 23563

CERTIFICATE OF ACHIEVEMENT

This certificate is awarded to:

ROBERT ABEYTA

Has successfully completed the required training hours and satisfactorily passed the
examination for the initial course entitled:

LEAD-BASED PAINT INSPECTOR

For the purposes of accreditation under Colorado Regulation No. 19, Residential Lead-based Paint Hazard
Reduction Act of 1992 (Title X), and other standards developed by the EPA pursuant to Title IV of TSCA.

COURSE DATE:
EXAMINATION DATE:
EXPIRATION DATE:
COURSE HOURS:

DECEMBER 3 - 5, 2018
DECEMBER 5, 2018
DECEMBER 5, 2021
24.0



Verify this Credential

Danaya N. Benedetto
CEO & Training Program Manager

Credential License ID:
12235354



Aaron Hix
Instructor

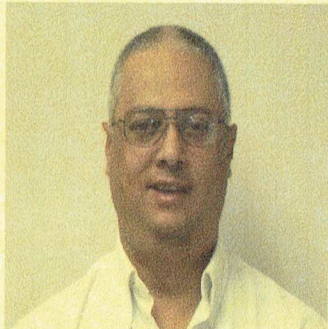
CHC Training Certificate No.
I18-0457-LI-CO



Visit our Website

United States Environmental Protection Agency

This is to certify that



Robert K Abeyta

has fulfilled the requirements of the Toxic Substances Control Act (TSCA) Section 402, and has received certification to conduct lead-based paint activities pursuant to 40 CFR Part 745.226 as:

Inspector

In the Jurisdiction of:

All EPA Administered Lead-based Paint Activities Program States, Tribes and Territories

This certification is valid from the date of issuance and expires January 11, 2022

LBP-I-1196190-1

Certification #

December 28, 2018

Issued On



Adrienne Priselac, Manager, Toxics Office

Land Division

