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June 11, 2024
Atlas File Number: B240266e

GRANT HOGG
IDAHO TRANSPORTATION DEPARTMENT
3311 W. State Street
Boise, ID 83707

Project: Key 22384, FY24 Bridge Planning & Scoping – District 1

MR. HOGG:

Atlas Technical Consultants LLC (Atlas) has conducted an asbestos survey of bridge components of client-selected freeway overpasses and bridges within District 1 prior to maintenance. The components tested included girders, slopes, road surfaces and expansion joints, if present. Our survey did not identify Asbestos Containing Materials (ACM).

Suspect-asbestos containing materials were collected by Asbestos Hazard Emergency Response Act (AHERA) certified inspectors Allyssa Richards and Caleb Gans. The samples collected were recorded onto laboratory supplied Chain-of-Custody forms, submitted to Atlas's Asbestos Bulk Laboratory of Boise, Idaho (an American Industrial Hygiene Association (AIHA) Proficiency Analytical Testing (PAT) Program participant) and analyzed by performing visual estimation using the Environmental Protection Agency (EPA) Method for Determination of Asbestos in Bulk Building Materials, EPA 600/R-93/116. Appropriate industrial hygiene methods were employed during all sampling events. The results of the microscopic analyses are presented as an attachment to this report in Appendix I.

Atlas' sample identification numbers referenced in the lab report represent the homogeneous materials identified in an area followed by a sequential sample number. For example, sample 2-3 represents homogeneous area number two (2) with a sequential sample number of three (3).

Bridge Key #	District 1 Location	Asbestos Detected	Lead Detected
10010	US 2, MP 6.828, Priest River	No	**Yes**
10035	US 2, MP 70.054, Moyie River Gorge	No	**Yes**
10090	SH 3, MP 57.326, St. Maries River	No	**Yes**
30960	I 90, MP 67.353, Morning Mill Road IC	No	**Yes**

Atlas was able to perform some limited destructive sampling, which included sampling bridge components, road surfaces and expansion joints, if present. However, Atlas cannot guarantee that hidden ACM is not still present in the bridges without complete deconstruction of the structures. Additional sampling may be necessary if demolition or renovation activities expose previously unidentified suspect materials. During demolition or renovation activities, a National Emission Standard for Hazardous Air Pollutants (NESHAP) Competent Person should be on site in the event additional ACM is discovered and/or disturbed.

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In addition, Atlas has conducted a lead survey via X-Ray Fluorescence Spectrometer (XRF) prior to maintenance of the bridges. Atlas' EPA-certified Lead Building Inspectors, Allyssa Richards and Caleb Gans, employed a SciApps X550Pb XRF to identify building materials painted or coated with lead. The XRF results are attached in Appendix II. **Our survey identified lead-based paint (LBP) present on components of the following bridges: 10010, 10035, 10090, 30960.** These materials painted with LBP, if disturbed or planned to be disposed, will need to be tested by Toxicity Characteristic Leachate Procedure (TCLP) to determine waste stream characteristics prior to demolition and disposal of the structure. If painted components are sent to a recycling facility, this may not be a requirement for the selected facility.

Based on the Occupational Safety and Health Administration (OSHA) Lead in Construction Rule, contractors must provide historical data no older than one (1) year that shows similar techniques, equipment, and the same personnel completing tasks associated with lead painted components, or an initial exposure assessment will need to be performed during demolition or disturbance of painted components.

Atlas is pleased to have this opportunity to serve you and looks forward to a continuing relationship as your environmental consultant. If you have any questions regarding this letter or the attached analytical results, please feel free to contact Atlas at **(208) 376-4748.**

Respectfully Submitted,

Allyssa Richards
Environmental Specialist

Reviewed by: Kathryn Wright
Environmental Services Asst. Manager

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PHOTOGRAPHS AND SAMPLE LOCATIONS

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D1 – 10090 – St. Marie's River Bridge – Samples 147, 148, 149, 150, 155, 156

←
1



D1 – 10090 – St. Marie's River Bridge – Samples 151, 152, 153, 154

→
2



D1 – 30960 – Morning Mill Road Bridge – Sample 157

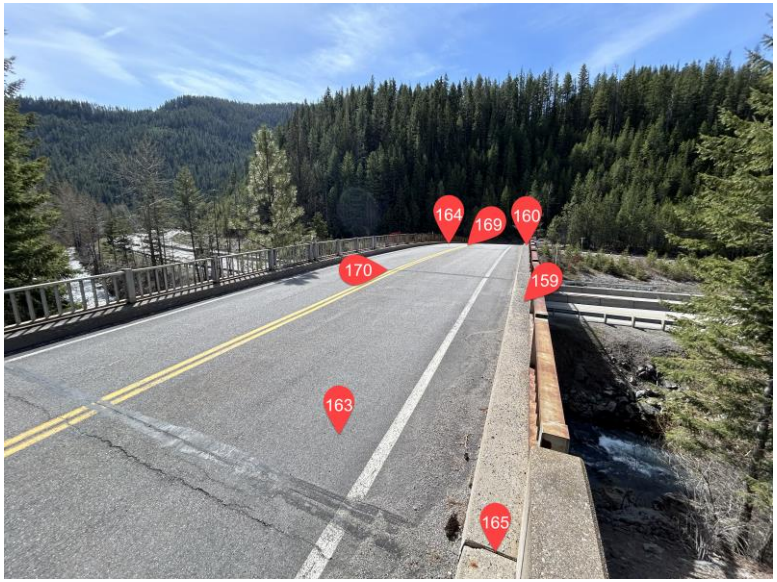
←
3



D1 – 30960 – Morning Mill Road Bridge – Sample 158, 162, 166, 168

→
4

Photographs taken by ATLAS Personnel



D1 – 30960 – Morning Mill Road Bridge – Samples 159, 160, 163-165, 169, 170

←
5



D1 – 30960 – Morning Mill Road Bridge – Samples 161, 167

→
6



D1 – 10010 – Priest River Bridge – Samples 171-176

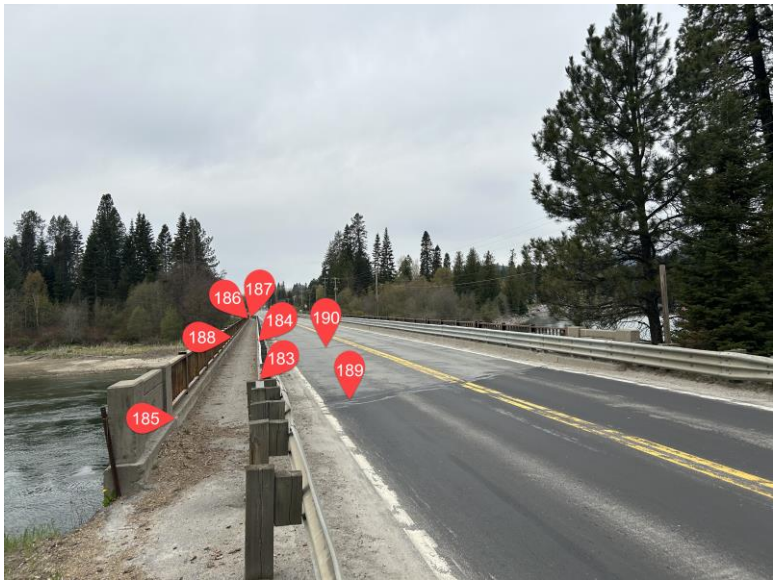
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7



D1 – 10010 – Priest River Bridge – Samples 177-182

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8

Photographs taken by ATLAS Personnel



D1 – 10010 – Priest River Bridge – Samples 183-190

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9

→
10



D1 – 10035 – Moyie River Gorge Bridge – Samples 191, 193



D1 – 10035 – Moyie River Gorge Bridge – Sample 192

←
11

→
12



D1 – 10035 – Moyie River Gorge Bridge – Sample 194

Photographs taken by ATLAS Personnel

Photographs taken by ATLAS Personnel



D1 – 10035 – Moyie River Gorge Bridge –
Samples 196, 198, 200, 202, 203, 204, 206

←
13

→
14



D1 – 10035 – Moyie River Gorge Bridge – Samples 195, 197, 199, 201, 205

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ASBESTOS ANALYSIS REPORTS

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May 3, 2024

Atlas File#: B240266e

GRANT HOGG
IDAHO TRANSPORTATION DEPARTMENT
3311 W. STATE ST.
BOISE, ID 83703

Project:	FY24 Bridge Planning and Scoping, Project #V249160	**Date Received:**	5/1/2024
Key Number:	22384	**Date Reported:**	5/3/2024

Atlas Technical Consultants, LLC has conducted the following survey of the above-mentioned project per the client's request. Please reference the Cover Letter for location, quantity, and condition of each of the materials sampled below.

ASBESTOS BULK SAMPLE ANALYSIS REPORT

Sample Number	Lab Number	Sample Type, Location, and Description	Asbestos Fibers	Non-Asbestos Fibers	Non-Fibrous Materials	Comments
Bridge Key 10090 D1, SH 3, MP 57.326, St. Marie's River Br., Shoshone Co.						
74-147	B214394	Concrete 1A – abutment, NE – grey cementitious granular with fibers	NAD	1% cellulose	99% other	
74-148	B214395	Concrete 1B – girder, NE – grey cementitious granular with fibers	NAD	1% cellulose	99% other	
75-149	B214396	Concrete 1C – pier base, SW – grey cementitious granular with fibers	NAD	1% cellulose	99% other	
75-150	B214397	Concrete 1C – pier base, SC – grey cementitious granular with fibers	NAD	1% cellulose	99% other	
76-151	B214398	Concrete 2A – road surface, NC – black bituminous cementitious granular with fibers	NAD	1% cellulose	99% other	
76-152	B214399	Concrete 2A – road surface, SC – black bituminous cementitious granular with fibers	NAD	1% cellulose	99% other	
77-153	B214400	Concrete 2B – concrete side curb, NE – grey cementitious granular with fibers	NAD	1% cellulose	99% other	
77-154	B214401	Concrete 2B – concrete side curb, SE – grey cementitious granular with fibers	NAD	1% cellulose	99% other	
78-155	B214402	Concrete 3 – remnant concrete, NW, 1 – grey cementitious granular with fibers	NAD	1% cellulose	99% other	
78-156	B214403	Concrete 3 – remnant concrete, NW, 2 – grey cementitious granular with fibers	NAD	1% cellulose	99% other	

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Glossary of Acronyms

NAD - No Asbestos Detected
PS – Positive Stop – Not Analyzed
TRACE - Detectable but not quantifiable
IS - Insufficient Sample -percentages may be inaccurate

Sampled by: Allyssa Richards and Caleb Gans

Thomas Johnson

Analyzed by: Thomas Johnson
Microscopist

Sample components are identified using polarized light microscopy (PLM) coupled with dispersion staining methods as determined by visual estimation. Small asbestos fibers may not be detected by PLM due to the resolution limitations of the optical microscope. Detecting asbestos in non-friable organically bound materials is not consistently reliable using PLM analysis. The non-detection of asbestos fibers in floor tile by PLM is of itself inconclusive. Confirmation by Transmission Electron Microscope (TEM) is recommended for negative floor tile samples. This test report relates only to the items tested in the sample as submitted to the laboratory.

Analysis method: Polarized Light Microscopy (PLM) by EPA/600/R-93/116 with Central Stop Dispersion by NIOSH 9002
American Industrial Hygiene Association (AIHA) Performance Analytical Testing (PAT) Laboratory Number 101571

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May 9, 2024

Atlas File#: B240266e

GRANT HOGG
IDAHO TRANSPORTATION DEPARTMENT
3311 W. STATE ST.
BOISE, ID 83703

Project:	FY24 Bridge Planning and Scoping, Project #V249160	**Date Received:**	5/8/2024
Key Number:	22384	**Date Reported:**	5/9/2024

Atlas Technical Consultants, LLC has conducted the following survey of the above-mentioned project per the client's request. Please reference the Cover Letter for location, quantity, and condition of each of the materials sampled below.

ASBESTOS BULK SAMPLE ANALYSIS REPORT

Sample Number	Lab Number	Sample Type, Location, and Description	Asbestos Fibers	Non-Asbestos Fibers	Non-Fibrous Materials	Comments
Bridge Key 30960 D1, I 90, MP 67.353, Morning Mill Rd IC, Shoshone Co						
80-157	B214555	Concrete 1A – girder – NE – gray cementitious granular	NAD		100% other	
80-158	B214556	Concrete 1A – girder – SW – gray cementitious granular	NAD		100% other	
81-159	B214557	Layer 1 - coating– deck slab – W central – gray granular cementitious	NAD		100% other	
		Layer 2 - concrete 1B – gray granular cementitious	NAD		100% other	
81-160	B214558	Concrete 1B – deck slab – SW – gray granular cementitious	NAD		100% other	
82-161	B214559	Concrete 1C – bridge wall – NE – gray granular cementitious	NAD		100% other	
82-162	B214560	Layer 1 - coating– deck slab – SW central – gray granular cementitious	NAD		100% other	
		Layer 2 - concrete 1c – gray granular cementitious	NAD		100% other	
83-163	B214561	Concrete 2A – road surface – NW – black bituminous granular cementitious	NAD		100% other	
83-164	B214562	Concrete 2A – road surface – SE – black bituminous granular cementitious	NAD		100% other	
84-165	B214563	Expansion joint putty – NW – gray pliable	NAD		100% other	
84-166	B214564	Expansion joint putty – SE – gray pliable	NAD		100% other	
85-167	B214565	Expansion joint fill material – NE - black bituminous fibrous	NAD	70% cellulose	30% other	
85-168	B214566	Expansion joint fill material – SW - black bituminous fibrous	NAD	70% cellulose	30% other	
86-169	B214567	Tar – S central surface – black bituminous pliable granular	NAD		100% other	

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Sample Number	Lab Number	Sample Type, Location, and Description	Asbestos Fibers	Non-Asbestos Fibers	Non-Fibrous Materials	Comments
Bridge Key 30960 D1, I 90, MP 67.353, Morning Mill Rd IC, Shoshone Co						
86-170	B214568	Tar – W central surface – black bituminous pliable granular	NAD		100% other	

Glossary of Acronyms

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Sampled by: Allyssa Richards and Caleb Gans

Analyzed by: Thomas Richards
Microscopist

Sample components are identified using polarized light microscopy (PLM) coupled with dispersion staining methods as determined by visual estimation. Small asbestos fibers may not be detected by PLM due to the resolution limitations of the optical microscope. Detecting asbestos in non-friable organically bound materials is not consistently reliable using PLM analysis. The non-detection of asbestos fibers in floor tile by PLM is of itself inconclusive. Confirmation by Transmission Electron Microscope (TEM) is recommended for negative floor tile samples. This test report relates only to the items tested in the sample as submitted to the laboratory.

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May 9, 2024

Atlas File#: B240266e

GRANT HOGG
IDAHO TRANSPORTATION DEPARTMENT
3311 W. STATE ST.
BOISE, ID 83703

Project:	FY24 Bridge Planning and Scoping, Project #V249160	**Date Received:**	5/8/2024
Key Number:	22384	**Date Reported:**	5/9/2024

Atlas Technical Consultants, LLC has conducted the following survey of the above-mentioned project per the client's request. Please reference the Cover Letter for location, quantity, and condition of each of the materials sampled below.

ASBESTOS BULK SAMPLE ANALYSIS REPORT

Sample Number	Lab Number	Sample Type, Location, and Description	Asbestos Fibers	Non-Asbestos Fibers	Non-Fibrous Materials	Comments
Bridge Key 10010 D1, US 2, MP 6.828, Priest River, Bonner Co.						
87-171	B214570	Layer 1 – surfacing – girder, SE – tan semi compact powdery	NAD		100% other	
		Layer 2 – concrete 1A – grey cementitious granular with fibers	NAD	1% cellulose	99% other	
87-172	B214571	Concrete 1A – pier cap, NW – grey cementitious granular with fibers	NAD	2% cellulose	98% other	
88-173	B214572	Layer 1 – surfacing – deck slab, SE – tan semi compact powdery	NAD		100% other	
		Layer 2 – concrete 1B – grey cementitious granular with fibers	NAD	1% cellulose	99% other	
88-174	B214573	Layer 1 – surfacing – deck slab, SW – tan semi compact powdery	NAD		100% other	
		Layer 2 – concrete 1B – grey cementitious granular with fibers	NAD	1% cellulose	99% other	
89-175	B214574	Layer 1 – mastic – deck slab surface, SE – grey brittle	NAD		100% mastic	
		Layer 2 – concrete 1C – light grey cementitious granular with fibers	NAD	2% cellulose	98% other	
		Layer 3 – concrete – grey cementitious granular with fibers	NAD	1% cellulose	99% other	
89-176	B214575	Concrete 1C – deck slab surface, S central – light grey cementitious granular with fibers	NAD	2% cellulose	98% other	
90-177	B214576	Concrete 1D – bridge wall, SW – grey cementitious granular with fibers	NAD	1% cellulose	99% other	
90-178	B214577	Concrete 1D – bridge wall, SE – grey cementitious granular with fibers	NAD	1% cellulose	99% other	
91-179	B214578	Layer 1 – surfacing – road surface, SE – cream and black bituminous pliable with fibers	NAD	1% cellulose	99% other	

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Sample Number	Lab Number	Sample Type, Location, and Description	Asbestos Fibers	Non-Asbestos Fibers	Non-Fibrous Materials	Comments
		Layer 2 – concrete 2A – black bituminous cementitious granular with fibers	NAD	1% cellulose	99% other	
91-180	B214579	Layer 1 – surfacing – road surface, S central - black bituminous pliable with fibers	NAD	1% cellulose	99% other	
		Layer 2 – concrete 2A – dark grey cementitious granular with fibers	NAD	1% cellulose	99% other	
92-181	B214580	Layer 1 – concrete 2B – sidewalk surface, SE – grey and cream cementitious granular with fibers	NAD	1% cellulose	99% other	
		Layer 2 – concrete – grey cementitious granular with fibers	NAD	1% cellulose	99% other	
92-182	B214581	Concrete 2B – sidewalk surface, S central – grey and cream cementitious granular with fibers	NAD	1% cellulose	99% other	
93-183	B214582	Concrete 2C – sidewalk curbing, SE – grey cementitious granular with fibers	NAD	2% cellulose	98% other	
93-184	B214583	Concrete 2C – sidewalk curbing, S central – grey cementitious granular with fibers	NAD	2% cellulose	98% other	
94-185	B214584	Layer 1 - expansion joint putty – SE – cream brittle	NAD		100% other	
		Layer 2 – concrete – light grey cementitious granular with fibers	NAD	1% cellulose	99% other	
94-186	B214585	Layer 1 – road tar – SW - black bituminous pliable with granules and fibers	NAD	1% cellulose	99% other	
		Layer 2 – expansion joint putty – tan brittle	NAD		100% other	
95-187	B214586	Layer 1 – expansion joint tar – SE – black bituminous pliable with fibers	NAD	1% cellulose	99% other	
		Layer 2 – concrete - cream and black bituminous pliable with fibers	NAD	1% cellulose	99% other	
95-188	B214587	Expansion joint tar – S central – black bituminous pliable with fibers	NAD	1% cellulose	99% other	
96-189	B214588	Road tar – SE – black bituminous pliable with granules and fibers	NAD	1% cellulose	99% other	
96-190	B214589	Layer 1 – road tar – S central – black bituminous pliable with granules and fibers	NAD	1% cellulose	99% other	
		Layer 2 – concrete – cream and black bituminous pliable with fibers	NAD	1% cellulose	99% other	

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Glossary of Acronyms

NAD - No Asbestos Detected
PS – Positive Stop – Not Analyzed
TRACE - Detectable but not quantifiable
IS - Insufficient Sample -percentages may be inaccurate

Sampled by: Allyssa Richards and Caleb Gans

Analyzed by: Thomas Johnson
Microscopist

Sample components are identified using polarized light microscopy (PLM) coupled with dispersion staining methods as determined by visual estimation. Small asbestos fibers may not be detected by PLM due to the resolution limitations of the optical microscope. Detecting asbestos in non-friable organically bound materials is not consistently reliable using PLM analysis. The non-detection of asbestos fibers in floor tile by PLM is of itself inconclusive. Confirmation by Transmission Electron Microscope (TEM) is recommended for negative floor tile samples. This test report relates only to the items tested in the sample as submitted to the laboratory.

Analysis method: Polarized Light Microscopy (PLM) by EPA/600/R-93/116 with Central Stop Dispersion by NIOSH 9002
American Industrial Hygiene Association (AIHA) Performance Analytical Testing (PAT) Laboratory Number 101571

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May 15, 2024

Atlas File#: B240266e

GRANT HOGG
IDAHO TRANSPORTATION DEPARTMENT
3311 W. STATE ST.
BOISE, ID 83703

Project:	FY24 Bridge Planning and Scoping, Project #V249160	**Date Received:**	5/9/2024
Key Number:	22384	**Date Reported:**	5/15/2024

Atlas Technical Consultants, LLC has conducted the following survey of the above-mentioned project per the client's request. Please reference the Cover Letter for location, quantity, and condition of each of the materials sampled below.

ASBESTOS BULK SAMPLE ANALYSIS REPORT

Sample Number	Lab Number	Sample Type, Location, and Description	Asbestos Fibers	Non-Asbestos Fibers	Non-Fibrous Materials	Comments
Bridge Key 10035 D1, US 2, MP 70.054, Moyie River Gorge Br., Boundary Co.						
96-191	B214711	Concrete 1A – abutment, NW side, N – grey cementitious granular with fibers	NAD	1% cellulose	99% other	
96-192	B214712	Concrete 1A – abutment, NW side, S – grey cementitious granular with fibers	NAD	1% cellulose	99% other	
97-193	B214713	Concrete 1B – piers, NW side, S – grey cementitious granular with fibers	NAD	1% cellulose	99% other	
97-194	B214714	Layer 1 – paint – piers, SE side, N – tan resilient	NAD		100% other	
		Layer 2 – concrete 1B – grey cementitious granular with fibers	NAD	1% cellulose	99% other	
98-195	B214715	Concrete 1C – deck slab, NW side, N – grey and black cementitious granular with fibers	NAD	2% cellulose	98% other	
98-196	B214716	Concrete 1C – deck slab, SE side, N – grey and black cementitious granular with fibers	NAD	2% cellulose	98% other	
99-197	B214717	Layer 1 – surfacing – bridge wall, NW side, N – grey semi compact powdery	NAD		100% other	
		Layer 2 – concrete 1D – bridge wall, NW side, N – grey cementitious granular with fibers	NAD	2% cellulose	98% other	
99-198	B214718	Concrete 1D – bridge wall, SE side, S – grey cementitious granular with fibers	NAD	2% cellulose	98% other	
100-199	B214719	Concrete 2 – road surface, NW side, N – tan cementitious granular with fibers	NAD	2% cellulose	98% other	
100-200	B214720	Concrete 2 – road surface, SE side, S – tan cementitious granular with fibers	NAD	2% cellulose	98% other	
101-201	B214721	Expansion joint putty – NW side, N – grey pliable with fibers	NAD	2% cellulose	98% other	

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Sample Number	Lab Number	Sample Type, Location, and Description	Asbestos Fibers	Non-Asbestos Fibers	Non-Fibrous Materials	Comments
101-202	B214722	Expansion joint putty – SE side, N – grey pliable with fibers	NAD	2% cellulose	98% other	
102-203	B214723	Pier joint fill – SE side, S – black bituminous pliable with fibers and granules	NAD	8% cellulose	92% other	
102-204	B214724	Pier joint fill – SE side, N – black bituminous pliable with fibers and granules	NAD	8% cellulose	92% other	
103-205	B214725	Road tar – NW side, central – black bituminous pliable with fibers	NAD	1% cellulose	99% other	
103-206	B214726	Road tar – SE side, N – black bituminous pliable with fibers	NAD	1% cellulose	99% other	

Glossary of Acronyms

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Sampled by: Allyssa Richards and Caleb Gans

Thomas Johnson

Analyzed by: Thomas Johnson
Microscopist

Sample components are identified using polarized light microscopy (PLM) coupled with dispersion staining methods as determined by visual estimation. Small asbestos fibers may not be detected by PLM due to the resolution limitations of the optical microscope. Detecting asbestos in non-friable organically bound materials is not consistently reliable using PLM analysis. The non-detection of asbestos fibers in floor tile by PLM is of itself inconclusive. Confirmation by Transmission Electron Microscope (TEM) is recommended for negative floor tile samples. This test report relates only to the items tested in the sample as submitted to the laboratory.

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XRF Data Tables

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Atlas Project Number: B240266e

Project Address: D1 – 10010 – US 2, MP 6.828, Priest River, Bonner Co.

Building Inspector(s): Allyssa Richards and Caleb Gans

Date: April 24, 2024 XRF Analyzer Used: SciApps X-550

Table 1: X-Ray Fluorescence Spectrometer Initial Quality Control

Date	#	Pass/ Fail	Standard Reference Material	Color	Result mg/cm²*	True Value mg/cm²
4/24/24	1	Pass	SRM 2573	Red	1.0	1.040 ± 0.064
4/24/24	2	Pass	SRM 2573	Red	1.0	1.040 ± 0.064
4/24/24	3	Pass	SRM 2573	Red	1.0	1.040 ± 0.064
4/24/24	NA	Pass	AVERAGE		1.0	0.8 to 1.2
4/24/24	4	Pass	SRM 2570 (Blank)	White	0.0	<0.002
4/24/24	5	Pass	SRM 2570 (Blank)	White	0.0	<0.002
4/24/24	6	Pass	SRM 2570 (Blank)	White	0.0	<0.002

* mg/cm^2 = milligrams per square centimeter

Table 2: X-Ray Fluorescence Spectrometer Lead-based Paint Sample Analysis Results

Date	#	Positive/ Negative	Side	Room	Component	Substrate	Color	Result	Regulatory Limit
4/24/24	7	Negative	SE	Exterior	Rail top	Metal	Green	0.2	1.0 mg/cm^2
4/24/24	**8**	**Positive**	**SE**	**Exterior**	**Rail underneath**	**Metal**	**Green**	**7.1**	**1.0 mg/cm^2**
4/24/24	**9**	**Positive**	**SW**	**Exterior**	**Pier**	**Metal**	**Green**	**4.0**	**1.0 mg/cm^2**
4/24/24	**10**	**Positive**	**SW**	**Exterior**	**Pier cross member**	**Metal**	**Green**	**2.3**	**1.0 mg/cm^2**
4/24/24	**11**	**Positive**	**SW**	**Exterior**	**Girder support**	**Metal**	**White**	**9.3**	**1.0 mg/cm^2**

Table 3: X-Ray Fluorescence Spectrometer Final Quality Control

Date	#	Pass/ Fail	Standard Reference Material	Color	Result mg/cm²	True Value mg/cm²
4/24/24	12	Pass	SRM 2573	Red	1.0	1.040 ± 0.064
4/24/24	13	Pass	SRM 2573	Red	1.0	1.040 ± 0.064
4/24/24	14	Pass	SRM 2573	Red	1.0	1.040 ± 0.064
4/24/24	NA	Pass	AVERAGE		1.0	0.8 to 1.2
4/24/24	15	Pass	SRM 2570 (Blank)	White	0.0	<0.002
4/24/24	16	Pass	SRM 2570 (Blank)	White	0.0	<0.002
4/24/24	17	Pass	SRM 2570 (Blank)	White	0.0	<0.002

- HUD Action Level is 0.5% weight, 5000 ppm, or 1.0 mg/cm^2 to be considered lead-based paint.

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Atlas Project Number: B240266e

Project Address: D1 – 10035 – US 2, MP 70.054, Moyie River Gorge Br, Boundary Co.

Building Inspector(s): Allyssa Richards and Caleb Gans

Date: April 24, 2024 XRF Analyzer Used: SciApps X-550

Table 1: X-Ray Fluorescence Spectrometer Initial Quality Control

Date	#	Pass/ Fail	Standard Reference Material	Color	Result mg/cm²*	True Value mg/cm²
4/24/24	1	Pass	SRM 2573	Red	1.0	1.040 ± 0.064
4/24/24	2	Pass	SRM 2573	Red	1.0	1.040 ± 0.064
4/24/24	3	Pass	SRM 2573	Red	1.0	1.040 ± 0.064
4/24/24	NA	Pass	AVERAGE		1.0	0.8 to 1.2
4/24/24	4	Pass	SRM 2570 (Blank)	White	0.0	<0.002
4/24/24	5	Pass	SRM 2570 (Blank)	White	0.0	<0.002
4/24/24	6	Pass	SRM 2570 (Blank)	White	0.0	<0.002

* mg/cm² = milligrams per square centimeter

Table 2: X-Ray Fluorescence Spectrometer Lead-based Paint Sample Analysis Results

Date	#	Positive/ Negative	Side	Room	Component	Substrate	Color	Result	Regulatory Limit
4/24/24	7	Negative	SE	Exterior	Frame	Metal	Ivory	0.0	1.0 mg/cm²
4/24/24	8	Negative	SE	Exterior	Base plate	Metal	Ivory	0.3	1.0 mg/cm²
4/24/24	**9**	**Positive**	**SE**	**Exterior**	**Downspout**	**Metal**	**Ivory**	**2.1**	**1.0 mg/cm²**
4/24/24	**10**	**Positive**	**SE**	**Exterior**	**Downspout**	**Metal**	**Ivory**	**2.3**	**1.0 mg/cm²**
4/24/24	11	Negative	SC	Exterior	Ladder	Metal	Ivory	0.0	1.0 mg/cm²
4/24/24	**12**	**Positive**	**SC**	**Exterior**	**"X" support beam**	**Metal**	**Ivory**	**3.6**	**1.0 mg/cm²**
4/24/24	**13**	**Positive**	**SC**	**Exterior**	**Vertical frame**	**Metal**	**Ivory**	**4.1**	**1.0 mg/cm²**
4/24/24	14	Negative	SW	Exterior	Cross member beam	Metal	Ivory	0.9	1.0 mg/cm²
4/24/24	**15**	**Positive**	**SW**	**Exterior**	**Plank**	**Wood**	**Ivory**	**4.5**	**1.0 mg/cm²**
4/24/24	16	Negative	SW	Exterior	Bolt	Metal	Ivory	0.0	1.0 mg/cm²
4/24/24	**17**	**Positive**	**SW**	**Exterior**	**Vertical support beam**	**Metal**	**Ivory**	**1.8**	**1.0 mg/cm²**
4/24/24	18	Negative	SE	Exterior	Bolt of "X" beams	Metal	Ivory	0.3	1.0 mg/cm²
4/24/24	19	Negative	SE	Exterior	Horizontal base frame	Concrete	Ivory	0.1	1.0 mg/cm²
4/24/24	**20**	**Positive**	**SC**	**Exterior**	**Downspout bracket**	**Metal**	**Ivory**	**1.1**	**1.0 mg/cm²**
4/24/24	21	Negative	SC	Exterior	Vertical post	Concrete	Ivory	0.3	1.0 mg/cm²
4/24/24	**22**	**Positive**	**SW**	**Exterior**	**Girder**	**Metal**	**Ivory**	**9.4**	**1.0 mg/cm²**

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Atlas Project Number: B240266e

Project Address: D1 – 10035 – US 2, MP 70.054, Moyie River Gorge Br, Boundary Co.

Building Inspector(s): Allyssa Richards and Caleb Gans

Date: April 24, 2024 XRF Analyzer Used: SciApps X-550

Table 3: X-Ray Fluorescence Spectrometer Final Quality Control

Date	#	Pass/ Fail	Standard Reference Material	Color	Result mg/cm^2	True Value mg/cm^2
4/24/24	23	Pass	SRM 2573	Red	1.0	1.040 ± 0.064
4/24/24	24	Pass	SRM 2573	Red	1.0	1.040 ± 0.064
4/24/24	25	Pass	SRM 2573	Red	1.0	1.040 ± 0.064
4/24/24	NA	Pass	AVERAGE		1.0	0.8 to 1.2
4/24/24	26	Pass	SRM 2570 (Blank)	White	0.0	<0.002
4/24/24	27	Pass	SRM 2570 (Blank)	White	0.0	<0.002
4/24/24	28	Pass	SRM 2570 (Blank)	White	0.0	<0.002

- HUD Action Level is 0.5% weight, 5000 ppm, or 1.0 mg/cm^2 to be considered lead-based paint.

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Atlas Project Number: B240266e

Project Address: D1 – 10090 – SH 3, MP 57.326, St Maries River Br, Shoshone Co.

Building Inspector(s): Allyssa Richards and Caleb Gans

Date: April 23, 2024 XRF Analyzer Used: SciApps X-550

Table 1: X-Ray Fluorescence Spectrometer Initial Quality Control

Date	#	Pass/ Fail	Standard Reference Material	Color	Result mg/cm²*	True Value mg/cm²
4/23/24	1	Pass	SRM 2573	Red	1.1	1.040 ± 0.064
4/23/24	2	Pass	SRM 2573	Red	1.0	1.040 ± 0.064
4/23/24	3	Pass	SRM 2573	Red	1.0	1.040 ± 0.064
4/23/24	NA	Pass	AVERAGE		1.03	0.8 to 1.2
4/23/24	4	Pass	SRM 2570 (Blank)	White	0.0	<0.002
4/23/24	5	Pass	SRM 2570 (Blank)	White	0.0	<0.002
4/23/24	6	Pass	SRM 2570 (Blank)	White	0.0	<0.002

* mg/cm² = milligrams per square centimeter

Table 2: X-Ray Fluorescence Spectrometer Lead-based Paint Sample Analysis Results

Date	#	Positive/ Negative	Side	Room	Component	Substrate	Color	Result	Regulatory Limit
4/23/24	**7**	**Positive**	**E**	**Exterior**	**Guard rail support**	**Metal**	**White**	**6.7**	**1.0 mg/cm²**
4/23/24	**8**	**Positive**	**W**	**Exterior**	**Guard rail support**	**Metal**	**White**	**5.1**	**1.0 mg/cm²**
4/23/24	**9**	**Positive**	**W**	**Exterior**	**Guard rail**	**Metal**	**Red**	**2.0**	**1.0 mg/cm²**
4/23/24	**10**	**Positive**	**E**	**Exterior**	**Guard rail**	**Metal**	**Red**	**4.6**	**1.0 mg/cm²**
4/23/24	**11**	**Positive**	**C**	**Exterior**	**Girder support sheet**	**Metal**	**White**	**7.8**	**1.0 mg/cm²**

Table 3: X-Ray Fluorescence Spectrometer Final Quality Control

Date	#	Pass/ Fail	Standard Reference Material	Color	Result mg/cm²	True Value mg/cm²
4/23/24	12	Pass	SRM 2573	Red	1.0	1.040 ± 0.064
4/23/24	13	Pass	SRM 2573	Red	1.0	1.040 ± 0.064
4/23/24	14	Pass	SRM 2573	Red	1.0	1.040 ± 0.064
4/23/24	NA	Pass	AVERAGE		1.0	0.8 to 1.2
4/23/24	15	Pass	SRM 2570 (Blank)	White	0.0	<0.002
4/23/24	16	Pass	SRM 2570 (Blank)	White	0.0	<0.002
4/23/24	17	Pass	SRM 2570 (Blank)	White	0.0	<0.002

- HUD Action Level is 0.5% weight, 5000 ppm, or 1.0 mg/cm² to be considered lead-based paint.

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Atlas Project Number: B240266e

Project Address: D1 – 30960 – I 90, MP 67.353, Morning Mill Rd IC, Shoshone Co.

Building Inspector(s): Allyssa Richards and Caleb Gans

Date: April 24, 2024 XRF Analyzer Used: SciApps X-550

Table 1: X-Ray Fluorescence Spectrometer Initial Quality Control

Date	#	Pass/ Fail	Standard Reference Material	Color	Result mg/cm²*	True Value mg/cm²
4/24/24	1	Pass	SRM 2573	Red	1.0	1.040 ± 0.064
4/24/24	2	Pass	SRM 2573	Red	0.9	1.040 ± 0.064
4/24/24	3	Pass	SRM 2573	Red	1.0	1.040 ± 0.064
4/24/24	NA	Pass	AVERAGE		0.97	0.8 to 1.2
4/24/24	4	Pass	SRM 2570 (Blank)	White	0.0	<0.002
4/24/24	5	Pass	SRM 2570 (Blank)	White	0.0	<0.002
4/24/24	6	Pass	SRM 2570 (Blank)	White	0.0	<0.002

* mg/cm² = milligrams per square centimeter

Table 2: X-Ray Fluorescence Spectrometer Lead-based Paint Sample Analysis Results

Date	#	Positive/ Negative	Side	Room	Component	Substrate	Color	Result	Regulatory Limit
4/24/24	7	Negative	SW	Exterior	Rail	Metal	Silver	0.4	1.0 mg/cm²
4/24/24	8	Negative	SW	Exterior	Rail support post	Metal	Silver	0.0	1.0 mg/cm²
4/24/24	**9**	**Positive**	**NW**	**Exterior**	**Rail support**	**Metal**	**Silver**	**>10.0**	**1.0 mg/cm²**
4/24/24	10	Negative	NE	Exterior	Rail support horizontal	Metal	Silver	0.1	1.0 mg/cm²
4/24/24	11	Negative	NE	Exterior	Rail support vertical	Metal	Silver	0.1	1.0 mg/cm²
4/24/24	**12**	**Positive**	**NE**	**Exterior**	**Rail underside**	**Metal**	**Silver**	**9.4**	**1.0 mg/cm²**
4/24/24	13	Negative	SE	Exterior	Abutment paint	Concrete	Yellow	0.0	1.0 mg/cm²

Table 3: X-Ray Fluorescence Spectrometer Final Quality Control

Date	#	Pass/ Fail	Standard Reference Material	Color	Result mg/cm²	True Value mg/cm²
4/24/24	14	Pass	SRM 2573	Red	0.9	1.040 ± 0.064
4/24/24	15	Pass	SRM 2573	Red	1.0	1.040 ± 0.064
4/24/24	16	Pass	SRM 2573	Red	1.0	1.040 ± 0.064
4/24/24	NA	Pass	AVERAGE		0.97	0.8 to 1.2
4/24/24	17	Pass	SRM 2570 (Blank)	White	0.0	<0.002
4/24/24	18	Pass	SRM 2570 (Blank)	White	0.0	<0.002
4/24/24	19	Pass	SRM 2570 (Blank)	White	0.0	<0.002

- HUD Action Level is 0.5% weight, 5000 ppm, or 1.0 mg/cm² to be considered lead-based paint.

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PERSONNEL CERTIFICATIONS

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THE ASBESTOS INSTITUTE

Certifies that

Allyssa Richards

has attended and received instruction in the EPA approved course

AHERA Building Inspector Refresher

on

March 21, 2024

and successfully completed and passed the competency exam.

Certificate:
ON-188748-15666-032124

Date of Examination:
21-Mar-2024
Date of Expiration:
21-Mar-2025

William T. Cavness
Director

Approved Instructor

THE ASBESTOS INSTITUTE
20033 N. 19th Ave, Building 6, Phoenix, AZ 85027
602-864-6564 – www.theasbestosinstitute.com

The person receiving this certificate has completed the requisite training for asbestos accreditation under TSCA Title II.

THE ASBESTOS INSTITUTE

Certifies that

Caleb Gans

has attended and received instruction in the EPA approved course

AHERA Building Inspector Refresher

on

February 21, 2024

and successfully completed and passed the competency exam.

Certificate:
ON-188748-15435-022124

Date of Examination:
21-Feb-2024
Date of Expiration:
21-Feb-2025

William T. Cavness
Director

Approved Instructor

THE ASBESTOS INSTITUTE
20033 N. 19th Ave, Building 6, Phoenix, AZ 85027
602-864-6564 – www.theasbestosinstitute.com

The person receiving this certificate has completed the requisite training for asbestos accreditation under TSCA Title II.

United States Environmental Protection Agency

This is to certify that



Allyssa R Richards

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 July 24, 2026

LBP-I-I216380-2

Certification #

January 05, 2023

Issued On

Adrienne Priselac, Manager, Toxics Office

Land Division

United States Environmental Protection Agency

This is to certify that



Caleb Gans

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 November 03, 2025

LBP-I-I241748-1

Certification #

October 20, 2022

Issued On

Adrienne Priselac, Manager, Toxics Office

Land Division