



## **Addendum 02 for RFQ926801-02**

Project Name: DAS CC Tunnel Vent Repair  
DAS RFQ #: 926801-02  
DAS Project #: 9268.01  
Date: 5/28/24

**Quotes Due: May 30<sup>th</sup>, 2024 at 2:00 PM CST**

Contents:

- Cover Page – Table of Contents, Questions (1 page)
- Hazardous Materials Report from Atlas One. (13 pages)

### **1. Clarifications:**

DCI Group and Shive Hattery investigated vent at 13+62, it was determined that this vent is not just beneath the dirt. According to the survey that was done, it is located under concrete.

Hazardous Materials report from Atlas One attached. There were not any hazardous materials present at locations of work in this project.



May 23, 2024

Mr. Travis Hoyle  
DCI Group  
220 SE 6<sup>th</sup> Street – Suite 200  
Des Moines, IA 50309

**Subject: Hazardous Building Materials Survey Report**  
Des Moines Capitol Complex – Capitol Complex Tunnel Repair Project #9268  
E. 13th Street and E. Grand Ave  
Des Moines, Iowa  
Atlas Project No.: 204BS07103

Dear Mr. Hoyle:

Atlas Technical Consultants (Atlas) is pleased to submit this report for the results of this limited hazardous building materials survey conducted on May 8, 2024 at the Capitol Complex Tunnels located at E. 13th Street and E. Grand Ave in Des Moines, Iowa. This survey was conducted to identify the presence of hazardous materials around vents that may be impacted by planned tunnel repair activities.

#### ***Limited Asbestos Survey***

Mr. Eric Brown of Atlas conducted an inspection and testing to identify the presence of asbestos containing materials (ACMs) around vents that may be impacted by planned tunnel repair activities. The inspection was limited to accessible surfaces and areas within the E. 13<sup>th</sup> Street and E. Grand Ave tunnels. Mr. Brown's State of Iowa Inspector license number is #24-11418. Staff certifications are provided in Attachment A. Atlas' asbestos survey was performed in general accordance with the sampling protocols as outlined in AHERA, 40 Code of Federal Regulations (CFR) 763. Approximate quantities of visible and accessible suspect materials were estimated by field measurements.

#### **Laboratory Analytical Method**

Bulk samples were collected of suspect building materials by assessing the condition of the material and removing a small piece that was then placed into a sample bag, sealed and uniquely labeled. The samples were submitted to EMSL Analytical Inc. (EMSL) Laboratory in Cinnaminson, New Jersey for analysis using Polarized Light Microscopy (PLM) in accordance with the United States Environmental Protection Agency (EPA) "Method for the Determination of Asbestos in Bulk Building Materials" (EPA/600/R-93/116, July 1993). The laboratory is registered as an American Industrial Hygiene Association (AIHA)-accredited laboratory and participates in the National Voluntary Lab Accreditation Participation (NVLAP) (Lab #101048-0).

**Hazardous Building Materials**

Capitol Complex Tunnel Repair Project #9268 ■ Des Moines, IA

Atlas Project No. 204BS07103 ■ May 23, 2024



Asbestos Results

Atlas submitted two (2) bulk samples of suspect ACMs for laboratory analysis. A summary of the analytical results is provided in Table 1. Copies of laboratory analytical reports and chain-of-custody are provided in Attachment B.

**Asbestos-Containing Materials (>1% Asbestos)**

The US EPA defines an asbestos containing material as a material containing >1% asbestos. If asbestos containing materials will be disturbed as part of tunnel repair activities, they must be abated by a State of Iowa certified asbestos abatement contractor prior to disturbance.

Summary of Table 1. Asbestos Containing Materials (>1%)				
Sample No.	Homogenous Material	Location	Asbestos Content per Layer	Estimated Quantity
No asbestos-containing materials were identified.				

Contractors should use caution during construction-related activities as concealed asbestos-containing materials that were not previously accessible may be encountered. If materials not sampled during this investigation are later discovered, they should be sampled and confirmed if they contain regulated quantities of asbestos by PLM analysis. If so confirmed, they will require removal and disposal in accordance with federal, state and local regulations, prior to disturbance. Work activities involving exposure to asbestos-containing materials requires personnel training, monitoring and accreditations.

**Limited Lead Paint Survey**

Regulatory limits from the Housing and Urban Development (HUD) and the Environmental Protection Agency (EPA) have established a definition of lead-based paint (LBP) as a paint or other surface coating that contains more than 0.5% lead by weight. OSHA’s “Lead in Construction Standard” (29 CFR 1926.1101) addresses any concentration of lead in paint (“lead-containing paint”).

No surface coatings containing suspect lead paint were identified in the area adjacent to the vents to be removed and therefore no samples were collected.



Table 2. Lead Paint Results					
Assigned Sample No.	Paint Color	Substrate	Surface	Sample Location	XRF Results (mg/cm <sup>2</sup> )
No Suspect Lead-Based Paint or Lead-Containing Paint were Identified.					

- No Suspect Lead-Based or Lead-Containing Paint were identified.

Contractors should use caution during construction-related activities as concealed surface coatings containing lead-based paints that were not previously tested may be encountered. If materials not sampled during this investigation are later identified to contain regulated quantities of lead concentrations, then they should be removed, controlled and/or disposed in accordance with federal, state and local regulations, prior to disturbance. OSHA considers any detectable level of lead as a “Lead Containing Paint” (LCP) and disturbance of these surface coatings is subject to the training and work practices in OSHA 29 CFR 1926.62 “Lead in Construction”.

**Hazardous Materials Assessment**

Atlas completed a visual inspection of areas throughout the intended work areas in an attempt to identify hazardous wastes or universal wastes that may be impacted vent removal during tunnel repair activities. The survey included a visual inspection of: light fixtures and other equipment for the presence of Polychlorinated Biphenyls (PCBs); light bulbs, thermostats, switches, and other equipment for the presence of mercury; refrigerants, batteries, and devices with potential radioactive materials.

Table 3. HAZARDOUS BUILDING MATERIALS		
Category	Material	Estimated Quantity
<b>Poly-Chlorinated Biphenyl (PCBs)</b>	Transformers	N/A
	Transistors	N/A
	Light Ballasts	N/A
<b>Mercury</b>	Thermostats	N/A
	Switches/Relays	N/A
	Fluorescent Light Tubes	N/A
	High Intensity Discharge lights	N/A
	Thermometers/ Manometers	N/A
<b>Batteries</b>	Smoke Detectors	N/A

**Hazardous Building Materials**

Capitol Complex Tunnel Repair Project #9268 ■ Des Moines, IA

Atlas Project No. 204BS07103 ■ May 23, 2024



Table 3. HAZARDOUS BUILDING MATERIALS		
Category	Material	Estimated Quantity
	Emergency Lighting Systems	N/A
	Exit Signs	N/A
	Flashing Fire Alarms	N/A
<b>Chlorofluorocarbons (CFCs) or Hydro Chlorofluorocarbons (HCFCs)</b>	Refrigerators/Freezers/Chillers	N/A
<b>Low Level Radioactive Sources (LLR)</b>	Smoke/Fire Alarms	N/A

No hazardous building materials were identified.

**Conclusions**

- No asbestos-containing materials were identified.
- No surface coatings with lead-based and lead-containing paint were identified.
- No hazardous building materials were identified.

**Limitations**

Atlas' survey was limited to the observation, minimal destructive sampling and analysis of hazardous building materials that may be disturbed as part of vent removal work for the tunnel repair activities for the tunnels under E. 13<sup>th</sup> street and E. Grand Ave. Atlas did not collect samples from areas that were inaccessible or outside the scope of this limited survey.

Contractors should use caution during construction-related activities as concealed ACMs and lead paints that were not previously identified may be encountered. If materials not sampled during this investigation are later identified to contain regulated quantities of asbestos, then they should be removed and disposed in accordance with federal, state and local regulations, prior to disturbance. Abatement of ACMs must be performed by a licensed abatement contractor.

This report should not be utilized as a bidding document or as a project specification document since it does not have all the components required to serve as an Asbestos Abatement Project Design document or an Abatement Work Plan.

The opinions presented within this report apply to the site conditions existing at the time of Atlas's investigation and interpretation of current regulations pertaining to ACMs and lead paints. All applicable federal, state and local regulations should always be verified prior to any work that will disturb materials potentially containing regulated quantities of asbestos.

**Hazardous Building Materials**

Capitol Complex Tunnel Repair Project #9268 ■ Des Moines, IA  
Atlas Project No. 204BS07103 ■ May 23, 2024



If you have any questions regarding this report or require further clarification, please contact our office at (402) 670-3842.

Sincerely,

**ATLAS TECHNICAL CONSULTANTS, LLC**

Prepared By:

A handwritten signature in blue ink that reads "Eric Brown".

Eric Brown  
Environmental Technician

Reviewed By:

A handwritten signature in black ink that reads "Steve Hudson".

Steve Hudson, MS, CIH, CIEC  
Sr. Project Manager

Attachments:

Attachment A: Certifications/Licenses

Attachment B: Asbestos Analytical Results and Chain-of-Custody

Attachment C: Sample Location Sketch



**ATTACHMENT A:  
CERTIFICATIONS / LICENSES**

**ERIC BROWN**


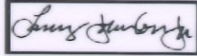
**DOB: 05-07-1970**

**Issued: 02-27-2024**



This person is licensed to perform asbestos work in the State of Iowa. ID card is intended for official use only and must be present on jobsite.

License Type	Number	Expires
INSPECTOR	24-11418	02-09-2025

   
**Asbestos** **Larry Johnson, Jr.**  
**Labor Commissioner**



**ATTACHMENT B:  
ASBESTOS ANALYTICAL RESULTS  
AND  
CHAIN-OF-CUSTODY**



# EMSL Analytical, Inc.

200 Route 130 North Cinnaminson, NJ 08077

Tel/Fax: (800) 220-3675 / (856) 786-5974

<http://www.EMSL.com> / [cinnasblab@EMSL.com](mailto:cinnasblab@EMSL.com)

EMSL Order: 042409539

Customer ID: ATC55

Customer PO:

Project ID:

**Attention:** Steve Hudson  
Atlas Technical  
11117 Mockingbird Drive  
Omaha, NE 68137

**Phone:** (402) 697-9747

**Fax:** (402) 597-8532

**Received Date:** 05/09/2024 1:15 PM

**Analysis Date:** 05/10/2024 - 05/11/2024

**Collected Date:**

**Project:** Tunnel Vent Repair / DSM Capitol Complex Tunnels / 204BS07103

## Test Report: Asbestos Analysis of Bulk Materials via AHERA Method 40CFR 763 Subpart E Appendix E supplemented with EPA 600/R-93/116 using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
CCT-1 <small>042409539-0001</small>	13th St. Vent - Gray Caulk	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
CCT-2 <small>042409539-0002</small>	Grand Ave Vent - Lt. Gray Caulk	Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

Analyst(s)

Alex Francois (1)

Amiri Lewis (1)

Samantha Rundstrom, Laboratory Manager  
or Other Approved Signatory

EMSL 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 EMSL. EMSL 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 EMSL 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 EMSL Analytical, Inc. Cinnaminson, NJ NVLAP Lab Code 101048-0, AIHA LAP, LLC-IHLAP Lab 100194, PA ID# 68-00367, LA #04127

Initial report from: 05/11/2024 06:44:06

042409539

ASBESTOS BULK SAMPLE FORM



11117 Mockingbird Drive  
Omaha, NE 68137

Phone (402) 697-9747  
Fax (402) 597-8532

Project Information

Client:	Project Description: <i>DBA</i> TUNNEL VENT REPAIR	Project Manager: <i>SH</i> Inspector: <i>EB</i>
Date: <i>5/8/24</i>	Site Location: <i>DSM CAPITOL COMPLEX TUNNELS</i>	ATLAS PROJECT NUMBER: <i>204BS07103</i>

Sample #	Material Description	Floor	Sample Location	Quantity
<i>CCT-1</i>	<i>GRAY CAULK</i>		<i>13<sup>th</sup> St. VENT</i>	
<i>CCT-2</i>	<i>LT. GRAY CAULK</i>		<i>GRAND AVE VENT</i>	

RECEIVED  
EMSL  
CINNAMINSON, NJ  
2024 MAY -9 P 1:54

*48hr PLM per Steve M - SAU 5/9/24*

*Rec: David Skiff FAX 5-0-11 1:15 pm*



**ATTACHMENT C:  
SAMPLE LOCATION SKETCH**

**Photo Log**

Capitol Complex Tunnels ■ Lucas Tunnel Vents ■ Des Moines, IA  
Date Taken: May 8, 2024 ■ Atlas Project No. 204BS07103



**Photo #1** Looking north along E 13<sup>th</sup> street at one of the vents.



**Photo #2** Caulking on metal grate at on E 13<sup>th</sup> street (vent 12+63 on map)  
Sample CCT-1



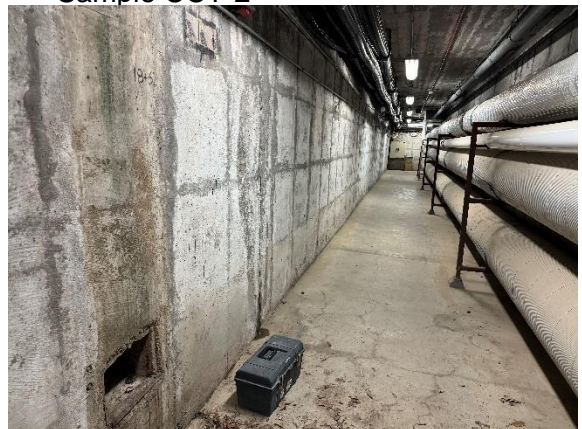
**Photo #3** Looking west along E Grand Ave at one of the vents.



**Photo #4** Caulking on metal lid at on E Grand Ave (vent 24+67 on map)  
Sample CCT-2



**Photo #5** Inside the E 13<sup>th</sup> Street tunnel, looking at one of the vents.



**Photo #6** Inside the E Grand Ave tunnel, looking at one of the vents.

ISSUED FOR	CONSTRUCTION DOCUMENTS
ISSUE DATE	04/26/2024
PROJECT NUMBER	2112031940
FIELD BOOK	



STA: 18+62  
SHEET C103

STA: 13+62  
SHEET C102

STA: 12+63  
SHEET C102

STA: 11+60  
SHEET C102

STA: 10+79  
SHEET C102

STA: 23+62  
SHEET C103

CONTROL POINT TABLE

POINT #	NORTHING	EASTING	ELEVATION	DESCRIPTION
50	579807.49	181006.04	94.93	CP60 CX
51	580314.90	181262.26	93.28	CP61 PK