**Asbestos Survey**

# OTIC-71-22-03 MP 203.7 Structure Renovation Project Portage County, Ohio

**Prepared by GPD Group for:**

Ohio Turnpike Commission
682 Prospect Street
Berea, Ohio 44017

October 28, 2022

GPD GROUP®

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# 1.0 Asbestos Survey Summary

As requested by the Ohio Turnpike and Infrastructure Commission (OTIC), the Client, on August 11, 2022, GPD Group conducted an asbestos survey on an existing bridge. The bridge is located at Mile Post 203.7W/203.7E (MP 203.7) and carries the Ohio Turnpike over Windham-Parkman Road in Portage County, Ohio. Specifically, the MP 203.7 bridge is 5.5 miles west of Exit 209 along the Ohio Turnpike. According to the National Bridge Inventory, the bridge was constructed in 1954.

The scope of work for this asbestos survey included all accessible bridge areas to be surveyed for the presence of asbestos material prior to the Ohio Turnpike and Infrastructure Commission's (OTIC) renovation of the bridge. GPD Group conducted a physical walk thru inspection of the bridge and collected bulk samples of any suspect materials, documenting and recording locations of the samples, whether the material was friable or non-friable, and assessing the potentially hazardous condition of the friable ACBM. All work was conducted in conformance with the US EPA Rule 40 CFR, Part 61, Subpart M.

In all, fourteen (14) bulk sample layers were collected. All samples were analyzed using PLM-visual estimation. If there were any samples with concentrations of fibers between 1% and 10%, the sampling protocol calls for the samples to be analyzed by the 400 Point Count Procedure with Gravimetric Reduction. All the samples from the survey were submitted to be analyzed by the Polarized Light Microscopy (PLM) method at EMSL Analytical, Inc. The Environmental Protection Agency defines asbestos containing material as material containing more than 1% asbestos. Analytical results indicated that no (0) samples had asbestos fibers greater than 1%.

# 2.0 Asbestos Survey Report

A GPD Group licensed Ohio Asbestos Hazard Evaluation Specialist arrived onsite at the OTIC MP 202.8 August 11, 2022, approximately at 9:00 a.m.

## 2.1 Methods

GPD Group conducted a physical site inspection of the existing bridge. Locations of the materials that were sampled were also documented. All work was conducted in conformance with the US EPA Rule 40 CFR, Part 61, Subpart M. Sample locations can be found in **Appendix A**.

## 2.2 Analytical Analysis

EMSL Analytical, Inc., located in Indianapolis, Indiana, was selected to provide detailed bulk sample analysis reports. The Polarized Light microscopy (PLM) method was used for analyzing bulk materials to determine if asbestos was present in the material sampled. PLM utilizes a light microscope equipped with polarizing filters. Asbestos fiber bundles are determined by the visual properties displayed when the sample is treated with various dispersion staining liquids. Identification is substantiated by the actual structure of the fiber and the effect of polarized light on the fiber. The PLM point counting procedure improves the accuracy and precision over the regular PLM Visual Estimate procedure. With more points analyzed, the better the accuracy and the method, especially when the sample has a low concentration of asbestos. EMSL Analytical, Inc. is accredited by the National Institute of Standards and Technology under the National Voluntary Laboratory Accreditation Program (NVLAP) for bulk asbestos analysis. The analytical report can be found in **Appendix B**.

## 2.3 Results

**Polarized Light Microscopy (PLM)**

**MP 203.7**

The bridge was originally constructed in 1954 and carries the Ohio Turnpike over Bryant Road. The bridge deck at MP 202.8 will be completely replaced. The bridge is a three-span steel continuous bridge with a concrete cast-in-place deck type. The overall length of the bridge is approximately 140.1 feet (bridge limits).

The analytical results can be found in the following table.

| OTIC MP 199.5<br><br>Sample Number(s) | Sample Location / Description | Asbestos Content/<br><br>ACM Category |
|---|---|---|
| 2037EDeck01 | Eastbound Deck- Gray Concrete | None Detected |
| 2037EDeck02 | Eastbound Deck- Gray Concrete | None Detected |

| | | |
|---|---|---|
| 2037BTape01 | Under Deck- Gray Tape | None Detected |
| 2037BTape02 | Under Deck- Gray Tape | None Detected |
| 2037BDeck01 | Under Deck- Gray Concrete | None Detected |
| 2037BDeck02 | Under Deck- Gray Concrete | None Detected |
| 2037WTSExp01 | Top Deck Westbound- Soft Black Expansion Joint | None Detected |
| 2037WTSexp02 | Top Deck Westbound- Soft Black Expansion Joint | None Detected |
| 2037WTExp01 | Westbound Top Deck- Hard Black Expansion Joint | None Detected |
| 2037WTExp02 | Westbound Top Deck- Hard Black Expansion Joint | None Detected |
| 2037WDeck01 | Westbound Top Deck- Gray Concrete | None Detected |
| 2037WDeck02 | Westbound Top Deck- Gray Concrete | None Detected |
| 2037WIns01 | Westbound Top Deck- Gray Insulation | None Detected |
| 2037WTns02 | Westbound Top Deck- Gray Insulation | None Detected |

Analytical Results indicated that there were no (0) samples analyzed as having a concentration of asbestos fibers greater than 1% according to PLM- Visual Estimate Procedure.

### 2.4 Conclusions

The asbestos survey completed for this project included sampling, assessment, and analysis of suspect bridge building materials. Bulk samples of these suspect materials were collected and submitted to an accredited Lab for analysis. The laboratory results were examined and interpreted by a licensed Ohio Asbestos Hazard Evaluation Specialist (AHES). All conclusions presented in this report were derived from the information available and applicable laboratory results as reviewed and interpreted by the licensed Ohio Asbestos Hazard Evaluation Specialist. This asbestos survey has been conducted and executed in a manner customary in principle and practice in the field of environmental science and engineering. Individual AHES certification can be found in **Appendix C**.

The laboratory results were examined and interpreted by a licensed Ohio Asbestos Hazard Evaluation Specialist. Building materials are classified as asbestos containing material when a certified lab analyzes the material to contain greater than 1% asbestos. When a material sample contains less than 10% asbestos, the point counting method shall be used to determine the actual amount of asbestos contained in the material.

There were no (0) samples analyzed by PLM Visual Estimation that had a reported concentration of asbestos fibers greater than 1%.

## 3.0 Signature of Environmental Professionals and Certification Statement

I declare that, to the best of my professional knowledge and belief, I meet the definition of *Environmental Professional* defined in 312.10 of 40 CFR 312 and…

I have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the Subject Property. I have developed and performed all of the appropriate inquires in conformance with the standards and practices set forth in 40 CFR Part 312.

October 28, 2022

Sheldon McLeod
State of Ohio Asbestos Hazard Evaluation Specialist #ES35078
GPD Group

Date

# Appendix A

2037WTexp01
2037WTexp02
2037WTsexp01
2037WTsexp02
2037WDeck01
2037WDeck02
2037Wins01
2037Wins02
GENERAL PLAN
2037EDeck01
2037EDeck02
2037BDeck01
2037BDeck02
2037BTape01
2037BTape02
TYPICAL GENERAL ELEVATION
ESTIMATED QUANTITIES
OHIO TURNPIKE
GENERAL PLAN
AND ESTIMATED QUANTITIES
OHIO TURNPIKE OVER PARKMAN RD

# Appendix B

# EMSL Analytical, Inc.

**6340 CastlePlace Dr. Indianapolis, IN 46250**

Tel/Fax: (317) 803-2997 / (317) 803-3047

http://www.EMSL.com / indianapolislab@emsl.com


**EMSL Order:** 162223292
**Customer ID:** GPDA78
**Customer PO:** 2022348.01
**Project ID:**

**Attention:** Sheldon McLeod
GPD Group
520 South Main Street
Suite 2531
Akron, OH 44311
**Project:** OTIC Bridge MP 199-202-203

**Phone:** (330) 618-7475
**Fax:** (330) 572-2102
**Received Date:** 10/05/2022 11:25 AM
**Analysis Date:** 10/11/2022
**Collected Date:**

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

| | | | Non-Asbestos | | Asbestos |
|---|---|---|---|---|---|
| **Sample** | **Description** | **Appearance** | **% Fibrous** | **% Non-Fibrous** | **% Type** |
| 199TPost01<br>*162223292-0001* | Top-Cream Post Sealant - Cream Post Sealant | Clear<br>Non-Fibrous<br>Homogeneous | | 100% Non-fibrous (Other) | None Detected |
| 199TPost02<br>*162223292-0002* | Top-Cream Post Sealant - Cream Post Sealant | Clear<br>Non-Fibrous<br>Homogeneous | | 100% Non-fibrous (Other) | None Detected |
| 199TFlange01<br>*162223292-0003* | Top Flange - Black/Gray Rubber Mat. | Black/Clear<br>Fibrous<br>Homogeneous | 20% Synthetic | 80% Non-fibrous (Other) | None Detected |
| 199TFlange02<br>*162223292-0004* | Top Flange - Black/Gray Rubber Mat. | Black/Clear<br>Fibrous<br>Homogeneous | 20% Synthetic | 80% Non-fibrous (Other) | None Detected |
| 199TIns01<br>*162223292-0005* | Top Deck - Gray Insulation | Gray<br>Non-Fibrous<br>Homogeneous | | 100% Non-fibrous (Other) | None Detected |
| 199TIns02<br>*162223292-0006* | Top Deck - Gray Insulation | Gray<br>Non-Fibrous<br>Homogeneous | | 100% Non-fibrous (Other) | None Detected |
| 199EPatch01-Concrete<br>*162223292-0007* | Under Deck - Cream Concrete w/Tape | Gray<br>Non-Fibrous<br>Homogeneous | | 20% Quartz<br>80% Non-fibrous (Other) | None Detected |
| 199EPatch01-Tape<br>*162223292-0007A* | Under Deck - Cream Concrete w/Tape | Gray<br>Fibrous<br>Homogeneous | 40% Synthetic | 60% Non-fibrous (Other) | None Detected |
| 199Paint01<br>*162223292-0008* | Beam under Bridge - Green Paint | Brown/Green<br>Non-Fibrous<br>Homogeneous | | 100% Non-fibrous (Other) | None Detected |
| 199Paint02<br>*162223292-0009* | Beam under Bridge - Green Paint | Brown/Green<br>Non-Fibrous<br>Homogeneous | | 100% Non-fibrous (Other) | None Detected |
| 199Deck01<br>*162223292-0010* | Deck - Gray Concrete | Gray<br>Non-Fibrous<br>Homogeneous | | 20% Quartz<br>80% Non-fibrous (Other) | None Detected |
| 199Deck02<br>*162223292-0011* | Deck - Gray Concrete | Gray<br>Non-Fibrous<br>Homogeneous | | 20% Quartz<br>80% Non-fibrous (Other) | None Detected |
| 199EAbut01<br>*162223292-0012* | Abutment - Gray Concrete | Gray<br>Non-Fibrous<br>Homogeneous | | 20% Quartz<br>80% Non-fibrous (Other) | None Detected |
| 199EAbut02<br>*162223292-0013* | Abutment - Gray Concrete | Gray<br>Non-Fibrous<br>Homogeneous | | 20% Quartz<br>80% Non-fibrous (Other) | None Detected |
| 199WDeck01<br>*162223292-0014* | Westbound Deck - Gray Concrete | Gray<br>Non-Fibrous<br>Homogeneous | | 20% Quartz<br>80% Non-fibrous (Other) | None Detected |
| 199WAbut01<br>*162223292-0015* | Westbound Abutment - Gray Concrete | Gray<br>Non-Fibrous<br>Homogeneous | | 20% Quartz<br>80% Non-fibrous (Other) | None Detected |

Initial report from: 10/11/2022 13:06:36

**EMSL Analytical, Inc.**
**6340 CastlePlace Dr. Indianapolis, IN 46250**
Tel/Fax: (317) 803-2997 / (317) 803-3047
http://www.EMSL.com / indianapolislab@emsl.com

| | |
|---|---|
| **EMSL Order:** | 162223292 |
| **Customer ID:** | GPDA78 |
| **Customer PO:** | 2022348.01 |
| **Project ID:** | |

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

| | | | Non-Asbestos | | Asbestos |
|---|---|---|---|---|---|
| **Sample** | **Description** | **Appearance** | **% Fibrous** | **% Non-Fibrous** | **% Type** |
| 199WPaint01<br>*162223292-0016* | Westbound Beam - Green Paint | Red/Green<br>Non-Fibrous<br>Homogeneous | | 100% Non-fibrous (Other) | None Detected |
| 199WExpFlange01<br>*162223292-0017* | Westbound Flange - Black Rubber Mat. | Black<br>Non-Fibrous<br>Homogeneous | | 100% Non-fibrous (Other) | None Detected |
| 199WExpFlange02<br>*162223292-0018* | Westbound Flange - Black Rubber Mat. | Black<br>Non-Fibrous<br>Homogeneous | | 100% Non-fibrous (Other) | None Detected |
| 199WSealant01<br>*162223292-0019* | Westbound Deck - Soft Gray Sealant | Gray<br>Non-Fibrous<br>Homogeneous | | 100% Non-fibrous (Other) | None Detected |
| 199WSealant02<br>*162223292-0020* | Westbound Deck - Soft Gray Sealant | Gray<br>Non-Fibrous<br>Homogeneous | | 100% Non-fibrous (Other) | None Detected |
| 199EIns01<br>*162223292-0021* | Eastbound under Deck - White Insulation | Blue<br>Non-Fibrous<br>Homogeneous | | 100% Non-fibrous (Other) | None Detected |
| 199EIns02<br>*162223292-0022* | Eastbound under Deck - White Insulation | Blue<br>Non-Fibrous<br>Homogeneous | | 100% Non-fibrous (Other) | None Detected |
| 2028TConcrete01<br>*162223292-0023* | Top Deck - Gray Concrete | Gray<br>Non-Fibrous<br>Homogeneous | | 20% Quartz<br>80% Non-fibrous (Other) | None Detected |
| 2028Topcoat01<br>*162223292-0024* | Top Deck - Gray Wire Cover Mat. | Gray<br>Non-Fibrous<br>Homogeneous | | 10% Quartz<br>90% Non-fibrous (Other) | None Detected |
| 2028Topcoat02<br>*162223292-0025* | Top Deck - Gray Wire Cover Mat. | Gray<br>Non-Fibrous<br>Homogeneous | | 30% Quartz<br>70% Non-fibrous (Other) | None Detected |
| 2028Deck01<br>*162223292-0026* | Under Deck - Gray Concrete | Brown/Gray<br>Non-Fibrous<br>Homogeneous | | 20% Quartz<br>80% Non-fibrous (Other) | None Detected |
| 2028Deck02<br>*162223292-0027* | Under Deck - Gray Concrete | Gray<br>Non-Fibrous<br>Homogeneous | | 20% Quartz<br>80% Non-fibrous (Other) | None Detected |
| 2028Paint01<br>*162223292-0028* | Under Deck - Green Paint | Brown/Green<br>Non-Fibrous<br>Homogeneous | | 100% Non-fibrous (Other) | None Detected |
| 2028Paint02<br>*162223292-0029* | Under Deck - Green Paint | Brown<br>Non-Fibrous<br>Homogeneous | | 100% Non-fibrous (Other) | None Detected |
| 2025Flange01<br>*162223292-0030* | Under Deck - Brown Flange | Brown/Green<br>Non-Fibrous<br>Homogeneous | | 100% Non-fibrous (Other) | None Detected |
| 2025Flange02<br>*162223292-0031* | Under Deck - Brown Flange | Brown/Rust<br>Non-Fibrous<br>Homogeneous | | 100% Non-fibrous (Other) | None Detected |
| 2028BotIns01<br>*162223292-0032* | Under Deck - White Ins. | White<br>Non-Fibrous<br>Homogeneous | | 100% Non-fibrous (Other) | None Detected |
| 2028BotIns02<br>*162223292-0033* | Under Deck - White Ins. | White<br>Non-Fibrous<br>Homogeneous | | 100% Non-fibrous (Other) | None Detected |
| 2028BTape01<br>*162223292-0034* | Under Deck - Gray Tape | Silver<br>Fibrous<br>Homogeneous | 40% Synthetic | 60% Non-fibrous (Other) | None Detected |

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**EMSL Order:** 162223292
**Customer ID:** GPDA78
**Customer PO:** 2022348.01
**Project ID:**

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

| | | | Non-Asbestos | | Asbestos |
|---|---|---|---|---|---|
| **Sample** | **Description** | **Appearance** | **% Fibrous** | **% Non-Fibrous** | **% Type** |
| 2028BTape02<br>*162223292-0035* | Under Deck - Gray Tape | Tan/Silver<br>Fibrous<br>Homogeneous | 90% Synthetic | 10% Non-fibrous (Other) | None Detected |
| 2028WTIns01<br>*162223292-0036* | Westbound Deck - Gray Insulation | Gray<br>Non-Fibrous<br>Homogeneous | | 100% Non-fibrous (Other) | None Detected |
| 2028WTIns02<br>*162223292-0037* | Westbound Deck - Gray Insulation | Gray<br>Fibrous<br>Homogeneous | 10% Cellulose | 90% Non-fibrous (Other) | None Detected |
| 2028WTExp01<br>*162223292-0038* | Westbound Deck - Black Exp. Joint | Black<br>Non-Fibrous<br>Homogeneous | | 100% Non-fibrous (Other) | None Detected |
| 2028WTExp02<br>*162223292-0039* | Westbound Deck - Black Exp. Joint | Gray/Black<br>Non-Fibrous<br>Homogeneous | | 100% Non-fibrous (Other) | None Detected |
| 2028WTCover01<br>*162223292-0040* | Westbound Wall - Gray Wire Covering | Gray<br>Non-Fibrous<br>Homogeneous | 5% Glass | 10% Quartz<br>85% Non-fibrous (Other) | None Detected |
| 2028WTCover02-Wire Cover<br>*162223292-0041* | Westbound Wall - Gray Wire Covering | Gray<br>Fibrous<br>Homogeneous | 30% Glass | 70% Non-fibrous (Other) | None Detected |
| 2028WTCover02-Concrete<br>*162223292-0041A* | Westbound Wall - Gray Wire Covering | Gray<br>Non-Fibrous<br>Homogeneous | | 30% Quartz<br>70% Non-fibrous (Other) | None Detected |
| 2037EDeck01<br>*162223292-0042* | Eastbound Deck - Gray Concrete | White<br>Non-Fibrous<br>Homogeneous | | 20% Quartz<br>80% Non-fibrous (Other) | None Detected |
| 2037EDeck02<br>*162223292-0043* | Eastbound Deck - Gray Concrete | Gray<br>Non-Fibrous<br>Homogeneous | | 30% Quartz<br>70% Non-fibrous (Other) | None Detected |
| 2037BTape01<br>*162223292-0044* | Under Deck - Gray Tape | Silver<br>Fibrous<br>Homogeneous | 60% Synthetic | 40% Non-fibrous (Other) | None Detected |
| 2037BTape02<br>*162223292-0045* | Under Deck - Gray Tape | Gray/Silver<br>Fibrous<br>Homogeneous | 95% Synthetic | 5% Non-fibrous (Other) | None Detected |
| 2037BDeck01<br>*162223292-0046* | Under Deck - Gray Concrete | Gray<br>Non-Fibrous<br>Homogeneous | | 20% Quartz<br>80% Non-fibrous (Other) | None Detected |
| 2037BDeck02<br>*162223292-0047* | Under Deck - Gray Concrete | Gray<br>Non-Fibrous<br>Homogeneous | | 20% Quartz<br>80% Non-fibrous (Other) | None Detected |
| 2037WTSExp01<br>*162223292-0048* | Top Deck - Westbound - Soft Black Exp. Joint | Brown/Black<br>Fibrous<br>Homogeneous | 95% Cellulose | 5% Non-fibrous (Other) | None Detected |
| 2037WTSExp02<br>*162223292-0049* | Top Deck - Westbound - Soft Black Exp. Joint | Brown/Black<br>Fibrous<br>Homogeneous | 90% Cellulose | 10% Non-fibrous (Other) | None Detected |
| 2037WTExp01<br>*162223292-0050* | Westbound Top Deck - Hard Black Exp. Joint | Black/Rust<br>Non-Fibrous<br>Homogeneous | | 100% Non-fibrous (Other) | None Detected |
| 2037WTExp02<br>*162223292-0051* | Westbound Top Deck - Hard Black Exp. Joint | Gray/Black<br>Non-Fibrous<br>Homogeneous | | 100% Non-fibrous (Other) | None Detected |

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**EMSL Order:** 162223292
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**Project ID:**

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

| | | | Non-Asbestos | | Asbestos |
|---|---|---|---|---|---|
| **Sample** | **Description** | **Appearance** | **% Fibrous** | **% Non-Fibrous** | **% Type** |
| 2037WDeck01<br>*162223292-0052* | Westbound Top Deck - Gray Concrete | Gray Non-Fibrous Homogeneous | | 20% Quartz<br>80% Non-fibrous (Other) | None Detected |
| 2037WDeck02<br>*162223292-0053* | Westbound Top Deck - Gray Concrete | Gray Non-Fibrous Homogeneous | | 20% Quartz<br>80% Non-fibrous (Other) | None Detected |
| 2037WIns01<br>*162223292-0054* | Westbound Top Deck - Gray Insulation | Gray Non-Fibrous Homogeneous | | 100% Non-fibrous (Other) | None Detected |
| 2037WIns02<br>*162223292-0055* | Westbound Top Deck - Gray Insulation | Gray Non-Fibrous Homogeneous | | 100% Non-fibrous (Other) | None Detected |

Analyst(s)
*Alison Pacey (31)*
*Maggie Hayden (9)*
*Ross Matlock (17)*

Marissa Newkirk
Asbestos 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. Indianapolis, IN NVLAP Lab Code 200188-0, AZ0939, CA 2575, CO AL-15132, TX 300262

Initial report from: 10/11/2022 13:06:36

EMSL ANALYTICAL, INC.
LABORATORY • PRODUCTS • TRAINING

# Asbestos Bulk Building Materials - Chain of Custody

EMSL Order Number / Lab Use Only

PHONE
EMAIL

**Customer Information**

Customer ID:
Company Name: GPD Group
Contact Name: Sheldon McLeod
Street Address: 520 S. Main St., suite 2531
City, State, Zip: Akron, OH 44311
Country: US
Phone: 330-572-2284
Email(s) for Report: smcleod@gpdgroup.com

**Billing Information**

Billing ID:
Company Name: GPD Group
Billing Contact: ~~520 S. Main St., suite 2531~~ Sheldon McLeod
Street Address: 520 S. Main St., 2531
City, State, Zip: Akron, OH 44311
Country: US
Phone: 330-572-2284
Email(s) for Invoice: smcleod@gpdgroup.com

**Project Information**

Project Name/No: OT1C-Bridge mp 199-202-203
Purchase Order: 2022348.01
EMSL LIMS Project ID: (If applicable, EMSL will provide)
US State where samples collected: OH
State of Connecticut (CT) must select project location: Commercial (Taxable) Residential (Non-Taxable)
Sampled By Name: Sheldon McLeod
Sampled By Signature: [signature]
Date Sampled: 9/28-29/22
No. of Samples in Shipment: 55

**Turn-Around-Time (TAT)**

3 Hour | 6 Hour | 24 Hour | 32 Hour | 48 Hour | 72 Hour | 96 Hour | 1 Week | 2 Week

Please call ahead for large projects and/or turnaround times 6 Hours or Less. *32 Hour TAT available for select tests only; samples must be submitted by 11:30am

**Test Selection**

**PLM - Bulk (reporting limit)**

- [x] 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)

**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)

| Sample Number | HA Number | Sample Location | Material Description |
|---|---|---|---|
| 199TPost01 | | Top - cream post sealant | Cream post sealant |
| 199TPost02 | | " " " " | " " " |
| 199TFlange01 | | Top Flange | Black/gray rubber mat. |
| 199TFlange02 | | " " | " " " " |
| 199Tins01 | | Top Deck | gray insulation |
| 199Tins02 | | " " | " " |
| 199EPatch01 | | under Deck | cream concrete w/ tape |
| 199Paint01 | | Beam under bridge | green paint |
| 199Paint02 | | " " " | " " |
| 199Deck01 | | Deck | gray concrete |

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

For results between 1% and 10%, please point count.

| | | | |
|---|---|---|---|
| Method of Shipment: Fed ex Ground | | Sample Condition Upon Receipt: | |
| Relinquished by: GPD - Sheldon McLeod | Date/Time: 10/3/22/4:00 | Received by: | Date/Time |
| Relinquished by: | Date/Time: | Received by: | Date/Time |

Controlled Document - Asbestos Bulk R7 9/14/2021

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.

EMSL ANALYTICAL, INC.
LABORATORY • PRODUCTS • TRAINING

# Asbestos Bulk Building Materials - Chain of Custody

EMSL Order Number / Lab Use Only

EMSL Analytical, Inc.
6340 Castleplace Dr.
Indianapolis, IN 46250
PHONE (317) 803-2997
EMAIL: indianapolislab@emsl.com

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

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

| Sample Number | HA Number | Sample Location | Material Description |
|---|---|---|---|
| 199DeckO2 | | Deck | gray concrete |
| 199EAbut01 | | Abutment | gray concrete |
| 199EAbut02 | | Abutment | " " |
| 199WDeck01 | | westbound Deck | gray concrete |
| 199WAbut01 | | westbound Abutment | gray concrete |
| 199Wpaint01 | | westbound beam | green paint |
| 199Wexpflange01 | | westbound flange | black rubber mat. |
| 199Wexpflange02 | | " " | " " " |
| 199Wsealant01 | | westbound deck | soft gray sealant |
| 199wsealant02 | | " " | " " " |
| 199Eins01 | | Eastbound under deck | white insulation |
| 199Eins02 | | " " | " " |
| 2028Tconcrete01 | | Top Deck | gray concrete |
| 2028Topcoat01 | | Top Deck | gray wire cover mat. |
| 2028Topcoat02 | | Top Deck | " " " " |
| 2028Deck01 | | under Deck | gray concrete |
| 2028Deck02 | | under Deck | " " |
| 2028Paint01 | | under Deck | green paint |
| 2028Paint02 | | under Deck | " " |
| 2028Flange01 | | under Deck | brown flange |
| 2028Flange02 | | under Deck | " " |
| 2028Botins01 | | under Deck | white ins. |
| 2028Botins02 | | under Deck | " " |
| 2028BTape01 | | under Deck | gray tape |
| 2028BTape02 | | under Deck | " " |

| | | | |
|---|---|---|---|
| Method of Shipment: | | Sample Condition Upon Receipt: | |
| Relinquished by: | Date/Time: | Received by: | Date/Time |
| Relinquished by: | Date/Time: | Received by: | Date/Time |

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| Sample Number | HA Number | Sample Location | Material Description |
|---|---|---|---|
| 2028 WTins01 | | westbound Deck | gray insulation |
| 2028 WTins02 | | " " " | " " |
| 2028 WTexp01 | | westbound Deck | black exp. joint |
| 2028 WTexp02 | | " " | " " " |
| 2028 WTcover01 | | westbound wall | gray wire covering |
| 2028 WTcover02 | | " " | " " " |
| 2037 EDeck01 | | East bound Deck | gray concrete |
| 2037 EDeck02 | | " " | " " |
| 2037 BTape01 | | under Deck | gray tape |
| 2037 BTape02 | | " " | " " |
| 2037 BDeck01 | | under Deck | gray concrete |
| 2037 BDeck02 | | " " | " " |
| 2037 WTsexp01 | | Top Deck - westbound | soft black exp. joint |
| 2037 WTsexp02 | | " " " | " " " " |
| 2037 WTexp01 | | westbound Top Deck | hard black exp. joint |
| 2037 WTexp02 | | " " " | " " " " |
| 2037 WDeck01 | | westbound Top Deck | gray concrete |
| 2037 WDeck02 | | " " " | " " |
| 2037 Wins01 | | westbound Top Deck | gray insulation |
| 2037 Wins02 | | westbound Top Deck | " " |
| | | | |
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| | | | |
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| | | | |

| | | | |
|---|---|---|---|
| Method of Shipment: | | Sample Condition Upon Receipt: | |
| Relinquished by: | Date/Time: | Received by: | Date/Time |
| Relinquished by: | Date/Time: | Received by: | Date/Time |

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# Appendix C

**Photograph 1.** View of Soft Black Expansion Joint

**Photograph 2.** View of Gray Insulation

**Photograph 3.** View of Hard Black Expansion Joint

**Photograph 4.** View of Gray Concrete

**Photograph 5**. View of Under Deck Gray Tape

# Appendix D

# INSPECTOR IDENTIFICATION

I declare that we have completed this limited asbestos survey for the Ohio Turnpike and Infrastructure Commission (OTIC) for the MP 203.7 bridge carrying the Ohio Turnpike over Windham-Parkman Road in Portage County, Ohio in accordance with current State and Federal regulations. Bulk sampling of suspect building materials was conducted as an integral part of the survey. Samples were analyzed by EMSL Analytical, Inc., an accredited NVLAP.

The following individual conducted the survey and developed the Asbestos Survey Report. Included herein is the individual's State of Ohio Certifications.

Sheldon McLeod
GPD Group
520 S. Main Street, Suite 2531
Akron, Ohio 44311

Ohio Asbestos Hazard Evaluation Specialist
License # ES35078
Expires: May 12, 2023