POR CR 18 Tallmadge Road
Structure Replacement/Removal Project
Portage County, Ohio

ASBESTOS SURVEY

Prepared For:
Ohio Department of Transportation, District 4
2088 South Arlington Road
Akron, Ohio 44306

Prepared by:

GPD GROUP®

520 S. Main Street, Suite 2531
Akron, Ohio 44311
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January 18, 2019

Asbestos Survey Report
POR CR 18 Tallmadge Road
Structure Removal Project
Portage County, Ohio

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ASBESTOS SURVEY SUMMARY

GPD Group, Inc. (GPD) conducted a survey to determine the presence of asbestos containing building materials (ACBM) for a bridge that is identified as: POR C018A 00675 00. The bridge is located over an unnamed stream located 0.1 mile west of Interstate 76 along the Tallmadge Road. Drawings were available for review for the bridge and associated culvert. According to the National Emission Standard for Asbestos, 40 CFR, Part 61, Subpart M, Asbestos Demolition, Renovation, and Waste Disposal Regulation, and Chapter 3745-20 of the Ohio Administrative Code (OAC) "Asbestos Emission Control", the Ohio EPA requires that a bridge be inspected for ACBM prior to demolition or renovation. This report will fulfill that requirement.

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 Department of Transportation's (ODOT) renovation of the bridge. GPD 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 potential hazardous condition of the friable ACBM. All work was conducted in conformance with the US EPA Rule 40 CFR, Part 61, Subpart M.

Three samples collected from the bridge were identified as having a greater than 1% concentration of asbestos fibers and are considered materials as having asbestos according to the EPA standard. There were no other suspect Thermal, Surfacing, or Miscellaneous building materials visible on the existing bridges.

The following pages contain the Asbestos Survey Report, Assessment Description, Bridge Location Map, Bridge Plans indicating sample locations, Bulk Sample Laboratory Report, Ohio Environmental Protection Agency Notification of Demolition and Renovation Forms and the Inspector's Certifications.

ASBESTOS SURVEY REPORT

On Friday, January 4, 2018, a bridge survey was conducted of the following bridge: POR C018A 00675 00 located along Tallmadge Road in Kent, Portage County, Ohio. There were drawings available for review of the bridge identified as POR C018A 00675 00 prior to the survey. The survey was conducted to locate all possible Asbestos Containing Building Material (ACBM) on the bridges.

POR C018A 00675 00

The bridge was originally constructed in 1945 and reconstructed in 1965 according to the bridge inventory and appraisal provided by ODOT. The project proposes to remove this bridge and culvert along Tallmadge Road above an unnamed stream. The bridge is a concrete slab bridge with no bottom with a span of 10 feet. The overall length of the bridge is 13 feet.

Bulk samples were taken from the bridge and were analyzed by a NVLAP accredited laboratory. A summary of the laboratory results are provided below:

Sample Number(s)	Sample Location/Description	Asbestos Content/ ACM Category
B001	**Culvert Pipe Encasement- Black**	**10% Chrysotile**
B002	Wingwall- Gray Concrete	None Detected
B003	Headwall- Gray Concrete	None Detected
B004	**Culvert Pipe Encasement- Black**	**10% Chrysotile**
B005	Headwall- Gray Concrete	None Detected
B006	**Culvert Pipe Encasement- Black**	**10% Chrysotile**
B007	Headwall- Gray Concrete	None Detected
B008	NW Approach- Black Joint Material	None Detected
B009	Southbound Headwall- Black Expansion Joint	None Detected
B010	Southbound Headwall- Black Expansion Joint	None Detected
B011	Southbound Headwall- Gray Concrete	None Detected
B012	Southbound Wingwall- Gray Concrete	None Detected

B013	NE Approach- Black Joint Material	None Detected

Analytical Results indicated that a total of three (3) samples from one (1) homogenous area was analyzed as having a concentration of asbestos fibers greater than 1% according to PLM-visual estimation. The following table provides a detailed listing of all samples that are considered asbestos containing building materials that could be impacted during the proposed demolition of the structure.

Homogenous Area/Sample Number(s)	Sample Location / Description	Asbestos Content/ ACM Category
B001	**Pipe Encasement- Black**	**10% Chrysotile**
B004	**Headwall- Encasement**	**10% Chrysotile**
B006	**Pipe Encasement- Black**	**10% Chrysotile**

EMSL Analytical, Inc., located in Indianapolis, Indiana, was selected to provide detailed bulk sample analysis reports. 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 (Lab Code #200188-0) under the National Voluntary Laboratory Accreditation Program (NVLAP) for bulk asbestos analysis.

There are both federal and state agencies that govern asbestos-containing material in the work place. National Emission Standard for Hazardous Air Pollution (NESHAP) is the federal act, which gives power and authority to the State EPA, and the Occupational Safety and Health Administration 29 CFR Parts 1910 and 1926 Occupational Exposure to Asbestos govern:

1. The State Environmental Protection Agency (EPA) requires notification of all demolition and/or renovation projects in industrial, commercial or institutional facilities where friable asbestos-containing material is found (greater than 1%) in quantities greater than 260 linear feet, 160 square feet or 35 cubic feet.

2. The State Environmental Protection Agency (EPA) requires notification for all Demolition projects involving less than 260 linear feet of 160 square feet of friable asbestos-containing material. Renovation projects are exempt from the NESHAP notification requirement.

3. Demolition involving less than the above amount is exempt from the removal procedures but **requires notification**. This number includes the additive amount of friable asbestos-contained material expected to be removed during the course of the operation. Notification must be a written notice and is required at least ten working days prior to demolition.

4. The Ohio Department of Health (ODOH) requires notification of ACBM for demolition and renovation projects involving more than 50 linear feet or 50 square feet of material. If quantities are less than 50 linear feet or 50 square feet, notification is not required.

The Federal Regulations do not state that non-friable asbestos must be removed, only that the material present be reported to the proper agency, however in projects that plan on burning the structure to the ground, EPA requires all asbestos material, friable and non-friable to be removed prior to being burned.

ASSESSMENT DESCRIPTIONS

Classifying ACBM with Respect to Condition

The Ohio Environmental Protection Agency (National Emission Standard for Hazardous Air Pollutants (NESHAP) and Occupational Safety and Health Administration (OSHA) rules require inspection and a physical assessment of confirmed or assumed friable and non-friable ACBM identified on the bridge structure.

The first step in the physical assessment process involves the condition of the ACBM. Listed below are the definitions, which have been used for such an assessment.

A. Asbestos Containing Building Material

1. 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.

B. Friable Asbestos

1. Friable asbestos means that the material, when dry, may be crumbled, pulverized or reduced to powder by hand pressure and includes previously non-friable material after such previously non-friable material becomes damaged to the extent that when dry, it may be crumbled, pulverized or reduced to powder by hand pressure.

C. Type of Building Materials

1. Surfacing material means material that is sprayed on, troweled-on or otherwise applied to surfaces such as acoustical plaster on ceilings and fireproofing materials on structural members or other materials on surfaces for acoustical, fireproofing or other purposes.

2. Thermal system insulation means material applied to pipes, fittings, boilers, breechings, tanks, ducts or other interior structural components to prevent heat loss or gain, or water condensation, or for other purposes.

3. Miscellaneous materials means interior building material on structural components, structural members, or fixtures such as floor and ceiling tiles and does not include surfacing material or thermal systems insulation.

D. Category of Damage

1 - Good Condition: Low Potential For Damage
2 - Good Condition: Moderate Potential For Damage
3 - Good Condition: High Potential For Damage
4 - Damaged: Low Potential For Damage
5 - Damaged: Moderate Potential For Damage
6 - Damaged: High Potential For Damage
7 - Poor: Damaged Exterior And Severe

E. Classifying ACBM with Respect to Potential for Disturbance

1. The frequency of potential contact is based on the likelihood that either service workers or other building occupants would contact the suspect material or that a strong air stream is impinging on the material.

2. Next, the level of potential disturbance is assigned, based on the combination of the frequency of potential contact and the influence of air erosion.

3. If any of these criteria is determined to be high, then the level of potential disturbance is high ("potential for significant damage").

CONCLUSION/RECOMMENDATIONS

The Asbestos Survey of the existing bridge has included assessing suspect materials, obtaining bulk samples of suspect materials, submitting bulk samples to an accredited Lab for analysis and then interpreting the Lab results and coming to a conclusion of the suspect material. The Asbestos Survey has been conducted and executed in a manner customary in principle and practice in the field of environmental science and engineering.

Three (3) samples collected from the bridge were identified as having a greater than 1% concentration of asbestos fibers and are considered materials as having asbestos according to the EPA standard. There were no other suspect Thermal, Surfacing or Miscellaneous building materials visible on the existing bridges.

The black encasement which was identified on the bridge piping and culvert headwall is a part of the vitrified sewer piping and is a non-friable miscellaneous material. Though this material is non-friable, it was easily broken off and is in poor condition.

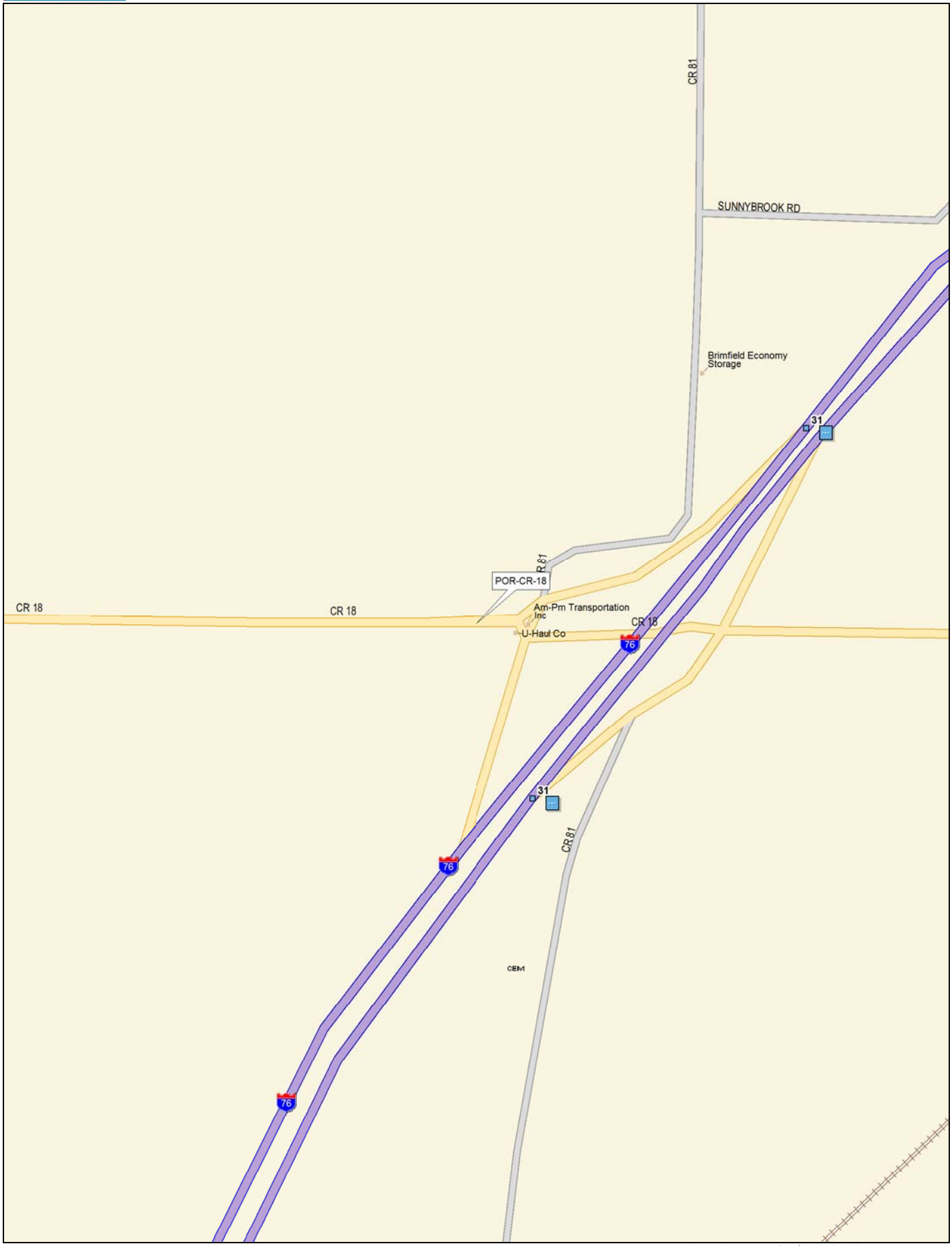
Recommendations are for a general contractor to remove the culvert piping in-tact for disposal in a landfill. The piping shall not be used further and the landfill should be notified that the material contains 10% Chrysotile asbestos.

BRIDGE LOCATION MAP

DeLORME

BRIDGE LOCATION MAP-POR-CR-18

Street Atlas USA® 2006



TN
MN (8.5°W)

Scale 1 : 6,400

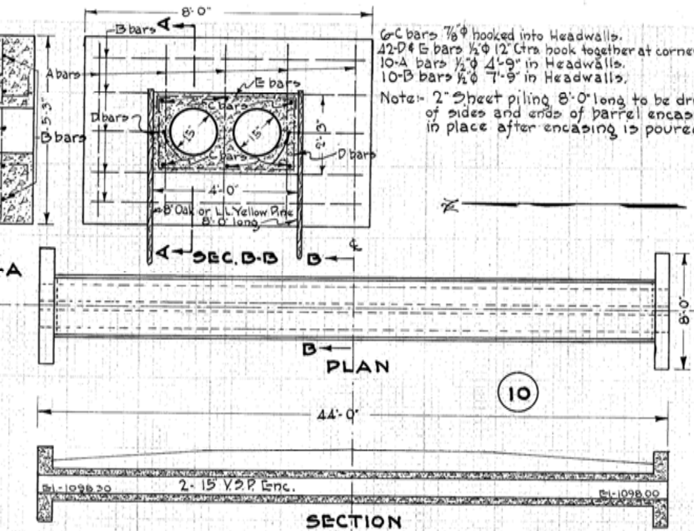
0 180 360 540 720 900 ft
0 40 80 120 160 200 m

1" = 533.3 ft Data Zoom 15-0

BRIDGE PLANS/SAMPLE LOCATIONS/PHOTOS

FED. AID DIST. NO.	STATE
10	OHIO

S.H. 18 Sec.
PORTAGE



6-C bars 7/8"φ hooked into Headwalls.
42-D & E bars 1/2"φ 12" Ctrs. hook together at corners.
10-A bars 1/2"φ 4'-9" in Headwalls.
10-B bars 1/2"φ 7'-9" in Headwalls.

Note:- 2" Sheet piling 8'-0" long to be driven on neat line of sides and ends of barrel encasing and left in place after encasing is poured.

(10)

Steel List

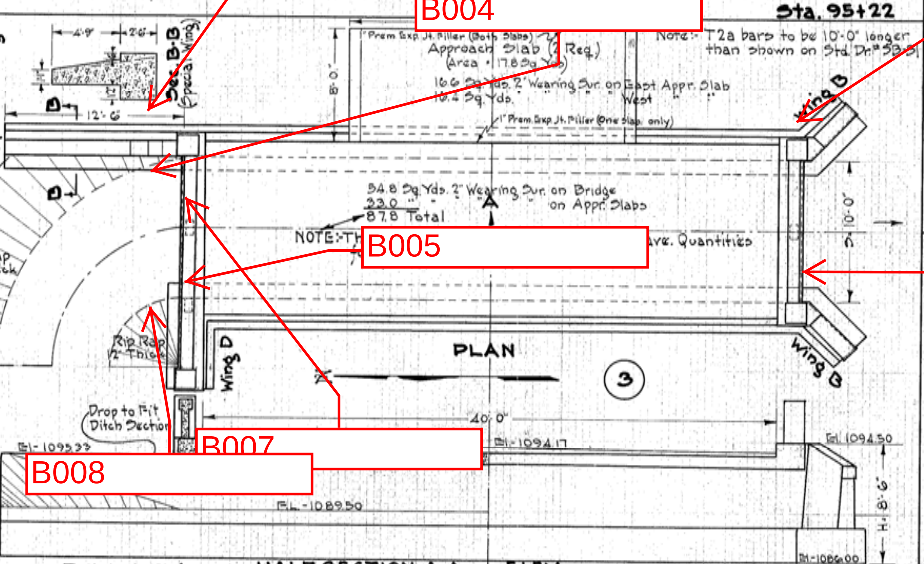
MARK	NO	SIZE	LENGTH	SHAPE	WT.
A	10	1/2"φ	4'-9"	Str.	32
B	10	1/2"φ	7'-9"	Str.	52
C	6	7/8"φ	44'-6"	Ends hooked 6"	546
D	42	1/2"φ	8'-2"	Bent as shown	228
E	42	1/2"φ	4'-4"	Ends hooked 4"	121
			Total		980 Lbs.

Culvert Data

Type:- Special Dou[illegible] 300)
Size:- 2-15" × 44'
Work Required:- Remove present 12" & 15" V.S.P. Enc. Culv. Build New Double Barrel 15" V.S.P. Enc. Culvert. Encasing reinforced. Sheet piling left in place. Headwalls adapted from Std. Dr. # 300

ESTIMATED QUANTITIES

- 2.4 - Cu. Yds. 1-5½ Conc.
- 88 - Lin. Ft. 15" V.S.P. Enc.
- 980 - Lbs. Reinf. Steel
- 1472 - Bd. Ft. 2" Sheet Piling in place
- 30 - Cu. Yds. Exc. Incl. Backfill.
- 3.0 - Cu. Yds. Channel Exc.



Sta. 95+22

(3)

Bridge Data

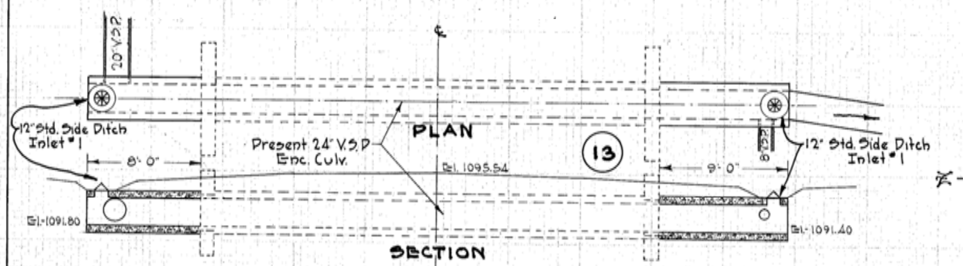
Std. Slab Bridge. Std. Dr. # 38-31 & RR-A with one Special Wing.
Span 10', Ht. 8'-6", Rdwy. 40'-0"
Remove Present 9'×3' Concrete Bridge.
Build New Std. Conc. Slab Bridge with 40' Rdwy. Special wing wall on N.E. corner.
Rip Rap slopes at entrance to Bridge.
Build Reinf. Conc. Appr. Slabs.

HALF SECTION A-A & ELEV.

Estimated Quantities

- 30.6 - Cu. Yds. - 1-6½ Conc. (Walls)
- 33.0 - Cu. Yds. 1-6½ Conc. (Footings)
- 19.5 - Cu. Yds. 1-5½ Conc.
- 2784 - Lbs. Steel Reinf.
- 31.0 - Lin. Ft. Type RR-4 Railing
- 26.0 - Sq. Ft. ½" Prem. Exp. Jt. Filler.
- 19.0 - Sq. Yds. Rip Rap.
- 35.6 - Sq. Yds. Reinf. Conc. Appr. Slab 7" Thick (Std. Dr. AS-31)
- 140.0 - Cu. Yds. Wet Exc.
- 20.0 - Cu. Yds. Channel Exc.
- 90.0 - Cu. Yds. Dry Exc.
- 33.0 - Sq. Ft. 1" Prem Exp. Jt. Filler

Sta. 35+85



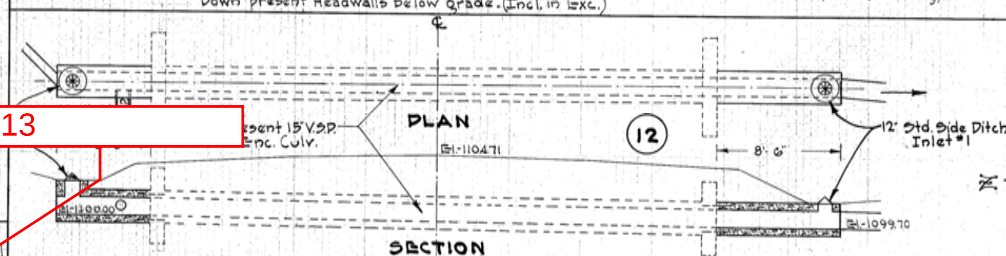
(13)

Culvert Data

Type:- Std. V.S.P. Enc. Culvert with Side Ditch Inlets
Size:- 24" × 49' (Over all)
Work Required:- Build extension on each end of present 24" V.S.P. Enc. Culvert. Dowel New Work to Old Culv. Build 12" Side Ditch Inlet at each end. Make tile connection at each end. Cut Down present Headwalls below grade. (Incl. in Exc.)

Estimated Quantities

- 9 - Lin. Ft. 24" V.S.P. Enc.
- 16 - Cu. Yds. Exc. Incl. Backfill
- 2 - 24" T's with 12" Spurs Enc.
- 1 - 24" T with 8" Spur Enc.
- 1 - 24" T with 20" Spur Enc.
- 2 - 12" Std. Side Ditch Inlet Gratings
- 20 - Lin Ft. Tile Relaid.
- 16 - Lin Ft Dowels in place (2'-0" long).



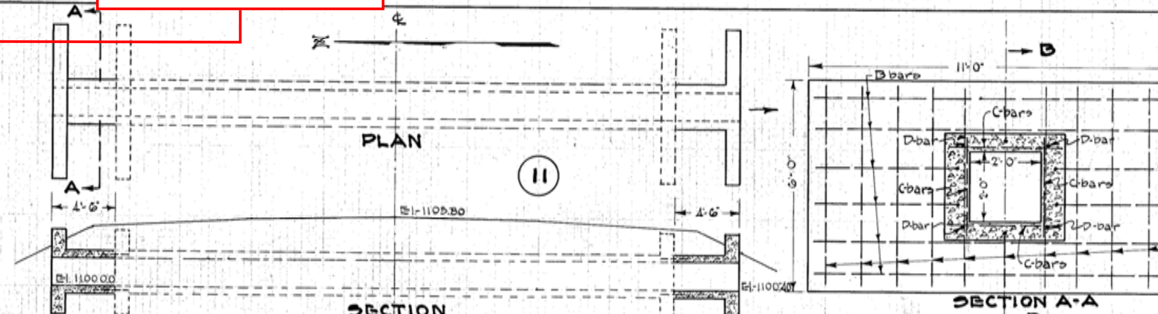
(12)

Culvert Data

Type:- Std. V.S.P. Enc. Culvert with Side Ditch Inlets.
Size:- 15" × 54.5'
Work Required:- Build Extensions on each end of present 15" V.S.P. Enc. Culvert. Build 12" Side Ditch [illegible] connections at each end. [illegible]ert.

Estimated Quantities

- 9 - Lin. Ft. 15" V.S.P. Enc.
- 2 - 15" T's with 12" Spurs Enc.
- 1 - 15" T with 8" Spur
- 2 - 12" Std. Side Ditch Inlet Gratings
- 8 - Cu. Yds Exc. Incl Backfill
- 30 - Lin. Ft. Tile Relaid.
- 16 - Lin. Ft. Dowels in place (2'-0" long)



(11)

SECTION A-A

STEEL LIST

MARK	NO.	SIZE	LENGTH
A	22	1/2"φ	5'-8"
B	12	1/2"φ	10'-8"
C	72	1/2"φ	2'-8"
D	8	1/2"φ	4'-8

Culvert Data

Type:- Special Conc. Box Culvert with Spec. Headwalls.
Size:- 2' × 2' × 48'
Work Required:- Build Reinf. Conc. Extensions on each end of present 2' × 2' Conc. box Culvert, with Special Headwalls. Dowel New Work to present Culvert.

Estimated Quantites

- 6.2 - Cu. Yds. 1-5½ Conc.
- 325 - Lbs. Steel Reinforcing
- 23.0 - Cu. Yds. Dry Exc.
- 5.0 - Cu. Yds. Wet Exc.
- 5.0 - Cu. Yds. Channel
- 30 - Lin. Ft. Tile Relaid
- 16 - Lin. Ft. Dowels in place (2'-0" long)

Photograph 1 – View of Culvert Pipe Inlet- 10% Chrysotile Asbestos (B001)

Photograph 2 – View of Culvert Pipe Inlet- 10% Chrysotile Asbestos (B004)

Photograph 3 – View of Culvert Pipe Outlet- 10% Chrysotile Asbestos (B006)

BULK SAMPLE LAB REPORT

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:	161900349
Customer ID:	GPDA78
Customer PO:	2014333.06
Project ID:	

Attention:	Sheldon McLeod	**Phone:**	(330) 618-7475
	GPD Group	**Fax:**	(330) 572-2102
	520 South Main Street	**Received Date:**	01/08/2019 12:20 PM
	Suite 2531	**Analysis Date:**	01/11/2019
	Akron, OH 44311	**Collected Date:**	01/04/2019
Project:	POR-CR-18 TALLMADGE ROAD		

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**
B001 *161900349-0001*	Pipe Encasement - Black Encasement	Black Non-Fibrous Homogeneous		90% Non-fibrous (Other)	10% Chrysotile
B002 *161900349-0002*	Wing Wall - Gray Concrete	Gray Non-Fibrous Homogeneous		20% Quartz 80% Non-fibrous (Other)	None Detected
B003 *161900349-0003*	Head Wall - Gray Concrete	Gray Non-Fibrous Homogeneous		20% Quartz 80% Non-fibrous (Other)	None Detected
B004 *161900349-0004*	Head Wall - Black Exp Joint	Black Non-Fibrous Homogeneous		90% Non-fibrous (Other)	10% Chrysotile
B005 *161900349-0005*	Head Wall - Gray Concrete	Gray Non-Fibrous Homogeneous		20% Quartz 80% Non-fibrous (Other)	None Detected
B006 *161900349-0006*	Pipe Encasement - Black Encasement	Black Non-Fibrous Homogeneous		90% Non-fibrous (Other)	10% Chrysotile
B007 *161900349-0007*	Headwall - Gray Concrete	Gray Non-Fibrous Homogeneous		20% Quartz 80% Non-fibrous (Other)	None Detected
B008 *161900349-0008*	NW Approach - Black Joint Material	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
B009 *161900349-0009*	Southbound Headwall - Black Exp Joint	Black Non-Fibrous Homogeneous	10% Cellulose	90% Non-fibrous (Other)	None Detected
B010 *161900349-0010*	Southbound Headwall - Black Exp Joint	Black Non-Fibrous Homogeneous	10% Cellulose	90% Non-fibrous (Other)	None Detected
B011 *161900349-0011*	Southbound Headwall - Gray Concrete	Gray Non-Fibrous Homogeneous		20% Quartz 80% Non-fibrous (Other)	None Detected
B012 *161900349-0012*	Southbound Headwall - Gray Concrete	Gray Non-Fibrous Homogeneous		20% Quartz 80% Non-fibrous (Other)	None Detected
B013 *161900349-0013*	NE Approach - Black Joint Material	Black Non-Fibrous Homogeneous		5% Quartz 95% Non-fibrous (Other)	None Detected

Initial report from: 01/11/2019 10:13:18

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:	161900349
Customer ID:	GPDA78
Customer PO:	2014333.06
Project ID:	

Analyst(s)
Craig Nixon (13)

Richard Harding, Laboratory Manager
or Other Approved Signatory

Initial report from: 01/11/2019 10:13:18

OrderID: 161900349

Asbestos Bulk Building Material Chain of Custody

EMSL Order Number (*Lab Use Only*): 161900349

EMSL ANALYTICAL, INC.
200 ROUTE 130 NORTH
CINNAMINSON, NJ 08077
PHONE: (800) 220-3675
FAX: (856) 786-5974

Company : GPD Group	**EMSL-Bill to:** ☒ Same ☐ Different If Bill to is Different note instructions in Comments** *Third Party Billing requires written authorization from third party*
Street: 520 S. Main St, suite 2531	
City: Akron **State/Province:** OH	**Zip/Postal Code:** 44311 **Country:** U.S.
Report To (Name): Sheldon McLeod	**Telephone #:** 330-572-2284
Email Address: smcleod@gpdgroup.com	**Fax #:** 330-572-2101 **Purchase Order:** 2014333.06
Project Name/Number: POR-CR-18 Tallmadge Road	**Please Provide Results:** ☐ Fax ☒ Email
U.S. State Samples Taken: OH	**CT Samples:** ☐ Commercial/Taxable ☐ Residential/Tax Exempt

Turnaround Time (TAT) Options* – Please Check

☐ 3 Hour ☐ 6 Hour ☐ 24 Hour ☐ 48 Hour ☒ 72 Hour ☐ 96 Hour ☐ 1 Week ☐ 2 Week

*For TEM Air 3 hr through 6 hr, please call ahead to schedule.*There is a premium charge for 3 Hour TEM AHERA or EPA Level II TAT. You will be asked to sign an authorization form for this service. Analysis completed in accordance with EMSL's Terms and Conditions located in the Analytical Price Guide.

PLM - Bulk (reporting limit)	TEM – Bulk
☒ PLM EPA 600/R-93/116 (<1%)	☐ TEM EPA NOB – EPA 600/R-93/116 Section 2.5.5.1
☐ PLM EPA NOB (<1%)	☐ NY ELAP Method 198.4 (TEM)
Point Count ☐ 400 (<0.25%) ☐ 1000 (<0.1%)	☐ Chatfield Protocol (semi-quantitative)
Point Count w/Gravimetric ☐ 400 (<0.25%) ☐ 1000 (<0.1%)	☐ TEM % by Mass – EPA 600/R-93/116 Section 2.5.5.2
☐ NIOSH 9002 (<1%)	☐ TEM Qualitative via Filtration Prep Technique
☐ NY ELAP Method 198.1 (friable in NY)	☐ TEM Qualitative via Drop Mount Prep Technique
☐ NY ELAP Method 198.6 NOB (non-friable-NY)	**Other**
☐ OSHA ID-191 Modified	☐
☐ Standard Addition Method	

☐ **Check For Positive Stop – Clearly Identify Homogenous Group** **Date Sampled:** 1-4-19

Samplers Name: Sheldon McLeod **Samplers Signature:** Sheldon McLeod

Sample #	HA #	Sample Location	Material Description
B001		Pipe encasement	black encasement
B002		wingwall	gray concrete
B003		headwall	gray concrete
B004		headwall	black exp. joint
B005		headwall	gray concrete
B006		pipe encasement	black encasement
B007		headwall	gray concrete
B008		NW approach	black joint material
B009		Southbound headwall	black exp joint
B010		Southbound headwall	black exp joint

Client Sample # (s): B001 - B013 **Total # of Samples:** 13

Relinquished (Client): Sheldon McLeod **Date:** 1-7-19 **Time:** 1:15

Received (Lab): [signature] **Date:** 1-8-19 **Time:** 12:20 fx

Comments/Special Instructions:
Please point-count if asbestos content is less than 10%

EMSL ANALYTICAL, INC.
LABORATORY • PRODUCTS • TRAINING

Asbestos Bulk Building Material Chain of Custody

EMSL Order Number (*Lab Use Only*): 00349

EMSL ANALYTICAL, INC.
200 ROUTE 130 NORTH
CINNAMINSON, NJ 08077
PHONE: (800) 220-3675
FAX: (856) 786-5974

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

Sample #	HA #	Sample Location	Material Description
B011		Southbound headwall	gray concrete
B012		Southbound ~~wall~~ wing wall	gray concrete
B013		NE approach	black joint material

*Comments/Special Instructions:

OHIO EPA NOTIFICATION OF DEMOLITION AND RENOVATION FORM

Ohio Environmental Protection Agency

Notification of Demolition and Renovation Form
Single & Multi-Structure
Division of Air Pollution Control

Operator Project #:	For Official Use Only			
	☐ Hand-Delivered	Postmark / /	Received by Office / /	Notification #

1 Notification Type (check one)

☒ Original ☐ Revision # Section #s Revised: | Offsite/Hold ☐ Yes ☐ No | ☐ Cancellation

2 Facility Description (include building name, number and floor or room number). If more than one structure, use Multi-Structure Attachment form

Building Name (if applicable)	POR C018A 00675 00	Site Location	0.1 mile west of I-76
Address	Tallmadge Road	County	Portage
City	Kent	State OH	Zip 44240
Building Size (ft²)	10 linear feet	No. of Floors —	Age (years) 54
Present Use	Bridge	Prior Use	Bridge

3 Type of Operation (check one)

☒ Demolition ☐ Emergency Demolition ☐ Renovation ☐ Emergency Renovation ☐ Fire Training ☐ Annual ☐ Courtesy

4 Is Asbestos Present? (check one)

☒ Yes ☐ No ☐ No, previously abated Year Abated (if applicable):

5 Owner/Coordinating Entity, Asbestos Abatement Contractor and Onsite Demolition Contractor Information

Is this project part of a larger project or urban demolition (installation)?
☐ Yes (list contact information for coordinating entity below)
☒ No (list contact information for property owner below)

Does this notification include more than one structure?
☐ Yes (complete the Multi-Structure Attachment Form)
☒ No

Owner/Coordinating Entity	Ohio Department of Transportation - District 4		
Address	2088 S. Arlington Road	County	Summit
City	Akron	State Ohio	Zip 44306
Contact	Brian Peck	Phone (330) 786 - 3100	Fax (330) 786 - 2226

Asbestos Abatement Contractor (if applicable)			On-site Demolition Contractor or Fire Department (if applicable)		
Name			Name		
Address			Address		
City	State	Zip	City	State	Zip
Contact	License #: AC		Contact		
Phone ( ) -	Fax ( ) -		Phone ( ) -	Fax ( ) -	
Email			Email		

6 Ohio Asbestos Hazard Evaluation Specialist and Evaluation Procedure

Evaluation Specialist: Sheldon McLeod | License #: ES 35078 | Expiration Date 5 / 12 / 2019

Procedure, including analytical methods, employed to detect the presence of and to estimate the quantity of regulated asbestos-containing material (RACM) and Category I and Category II nonfriable asbestos-containing material: ☒ PLM ☐ Point Count ☐ TEM ☐ Other Method (Explain Below):

7 Approximate Amount of Asbestos-Containing Materials (complete table below and Section 11 if asbestos is present)

	Material to be Removed			Material NOT to be Removed	
	RACM	Nonfriable Asbestos-Containing Material		Nonfriable Asbestos-Containing Material	
		Category I	Category II	Category I	Category II
Pipes (linear feet)			10		
Surface Area (ft²)					
Facility Components ft³ yd³					

8 Scheduled Dates of Demolition or Renovation (original notification is required 10 working days prior to the start of work)

Start / / | Complete / /

9 Asbestos Removal Dates and Work Hours (if applicable, for asbestos removal only)

Start / / | Complete / /

Hours Onsite	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
	—	—	—	—	—	—	—

10	**Planned Demolition or Renovation Work (check all that apply)**

Description of planned demolition or renovation work to be performed and method(s) to be employed, including demolition or renovation techniques to be used:

☐ Implosion ☐ Fire Training ☐ Wet Methods ☐ Manual Demolition ☐ Mechanical Demolition ☐ Other (Explain Below)

Description of affected facility components (include attachment if necessary)

11	**Asbestos Description and Engineering Controls (if asbestos is being abated)**

For the amount of each material listed in Section 7, describe the type(s) of ACM to be abated as well as engineering controls and work practices to be used to minimize emissions and ensure proper waste handling:

12	**Asbestos Waste Transporters (if applicable)**

Asbestos Waste Transporter #1			Asbestos Waste Transporter #2		
Address			Address		
City	State	Zip	City	State	Zip
Contact			Contact		
Phone ( ) -	Fax ( ) -		Phone ( ) -	Fax ( ) -	
Email			Email		

13	**Asbestos Waste Disposal (if applicable)**

Asbestos Waste Disposal Site			Contact	
Address			Email	
City	State	Zip	Phone ( ) -	Fax ( ) -

14	**Emergency Demolition (complete this section if you checked Emergency Demolition in Section 3)**

A copy of the issued order, including the following information, **must be attached** to this notification.

Government Official Issuing Order	Title
Agency	Authority of Order (Citation of Code)
Date of Order / /	Demolition Date / /

15	**Emergency Renovation (complete this section if you checked Emergency Renovation in Section 3)**

A separate sheet with the following information **must be attached** to this notification

Date of Emergency / /	Time of Emergency
Description of Sudden, Unexpected Event	
Explanation of how the event caused unsafe conditions or equipment damage	

16	**Procedures to be followed should unexpected RACM be discovered (check all that apply)**

☐ Stop work and keep wet ☐ Evacuate area ☐ Contact licensed abatement contractor

☐ Contact district office/local air authority ☐ Demarcate area ☐ Other (Explain Below)

17	**Asbestos Abatement Signature (only sign below if asbestos is being removed)**

In accordance with Ohio Administrative Code rule 3745-20-03(A)(4)(p), I certify that at least one person trained as required by paragraph (B) of rule 3745-20-04 of the Administrative Code will supervise the stripping and removal described by this notification.

Signature		Date / /

Name, Title and Organization (please print)

18	**Demolition and Renovation Signature (required for all original and revised notifications)**

Signature		Date / /

Name, Title and Organization (please print)

Original notification must be mailed or hand-delivered at least 10 working days (Monday – Friday excluding weekends) before demolition or renovation begins, except emergency demolitions and emergency renovations which must be submitted as soon as possible before operations begin, but no later than the following work day.

INSPECTOR IDENTIFICATION

This asbestos survey was conducted of the following bridge: POR C018A 00675 00 located along Tallmadge Road in Kent, Portage County, Ohio. The survey was conducted on January 4, 2019. The survey was completed to identify any friable or non-friable asbestos containing building materials on the bridge. ODOT plans on removing the bridge and constructing a new one. Bulk sampling of suspect building materials was conducted as an integral part of the surveys. Samples were analyzed by EMSL Analytical, Inc., an accredited NVLAB. There were three bulk samples found to contain greater than 1% of a concentration of asbestos to qualify the bridge materials as asbestos containing.

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 South Main Street, Suite 2531
Akron, Ohio 44311

Certified Asbestos Hazard Evaluation Specialist
Register #ES35078
Expires: May 12, 2019

Ohio Environmental Protection Agency

John R. Kasich, Governor
Mary Taylor, Lt. Governor
Craig W. Butler, Director

May 15, 2018

Sheldon McLeod
GPD Group
520 South Main Street Suite 2531
Akron OH 44311

RE: Asbestos Hazard Evaluation Specialist
Certification Number: ES35078
Expiration Date: 05/12/2019

Dear Sheldon McLeod:

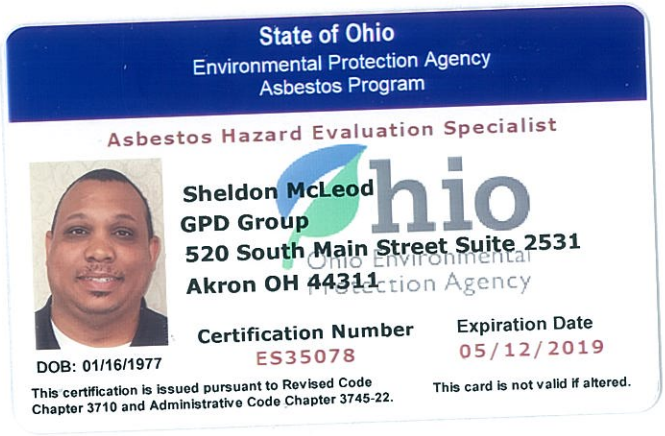
This letter and enclosed certification card approves your request to be certified as an Asbestos Hazard Evaluation Specialist. You must present your card upon request at any project site while performing duties. Copies of cards are not acceptable as proof of certification.

This certification may be revoked by the Director of the Environmental Protection Agency for violation of any of the requirements of 3745-22 or 3745-20 of the Ohio Administrative Code.

If you have any questions, please call 614-644-0226.

Sincerely,

Mark Needham
Manager, Asbestos Program
Division of Air Pollution Control



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