1915 North 12th Street
Toledo, OH 43604-5305
T 419-324-2222
F 419-241-1808
www.ttlassoc.com

September 6, 2007 Project No. 1827.04-07DB

Mr. John Horman
ODOT District 7
1001 St. Mary's Avenue
P.O. Box 969
Sidney, Ohio 45365-0969

NESHAP Asbestos Survey Report
D-7 ESA FY07/08 Task Order PID 75863
US-35 Woodman Drive Bridge, SR 835
MOT-835-002
Montgomery County, Ohio

Dear Mr. Horman:

TTL Associates, Inc. (TTL) performed a United States Environmental Protection Agency (U.S. EPA) National Emissions Standards for Hazardous Air Pollutants (NESHAP) asbestos survey on the bridge located on State Route 835 Woodman Drive over US-35 in Montgomery County, Ohio on April 23, 2007. A map depicting the approximate location of the bridge is included in Attachment I. The purpose of this asbestos survey was to identify asbestos containing materials (ACMs) prior to future renovation and/or demolition activities. The U.S. EPA defines an ACM as a material that contains greater than one-percent asbestos by visual estimation or weight. This survey was conducted in accordance with the Ohio Department of Transportation's (ODOT) Task 07-D.

SURVEY, SAMPLING, AND ANALYSIS

The objective of this project was to collect the data necessary to comply with the NESHAP renovation/demolition inspection requirements. To meet this objective, Mr. Randall Brown and Mr. Adam Mead of TTL conducted a non-destructive, non-abrasive NESHAP asbestos survey of the accessible areas of the bridge. Mr. Brown and Mr. Mead are certified by the State of Ohio as Asbestos Hazard Evaluation Specialists (ES33290 and ES34615, respectively). The asbestos survey included the identification of suspect materials and the definition of homogeneous sampling areas (HSAs), assessment of the condition of each material, estimation of the approximate quantity of the suspect ACMs, and collection and analysis of bulk samples from each identified HSA. An HSA is defined as a material that exhibited similar physical characteristics (e.g., texture, surface color, and appearance) and was applied or installed at the same time (if known) as observed by our inspector utilizing professional judgment and experience.

A cross section of the suspect material was collected using appropriate means (i.e. hammer, chisel, utility knife). The samples were placed into clean and unused sealable bags marked with a unique sample identification number and submitted to TTL's laboratory. The samples of suspect ACMs were analyzed by Polarized Light Microscopy using U.S. EPA Method 600/R-93/116. TTL's laboratory is accredited by the National Voluntary Laboratory Accreditation Program (NVLAP) which is administered by the National Institute of Standards and Technology (NIST).

SURVEY RESULTS

The US-35 Woodman Drive Bridge is constructed of concrete with steel deck supports. The concrete guardrails are topped by a steel chain-link fence. The bridge is supported by concrete abutments, piers and the concrete deck is not paved. No construction records were available to determine the building materials used in the construction of the structure. The exterior surfaces were examined which included the abutments, piers, bridge decking, piping and any remaining easily observable areas of the bridge. Photographs of the bridge are included in Attachment II.

A total of six (6) suspect ACMs were identified in accessible areas of the US-35 Woodman Drive Bridge, from which a total of fifteen (15) samples were collected. The concrete was cracked and flaking at locations under the deck. This concrete was sampled and submitted for analysis. Samples of tar on the deck associated with expansion joints, blue paint on steel deck supports, caulk on the guardrails and flex joint material were also collected for analysis. A diagram depicting the approximate sample locations is included in Attachment III. According to the laboratory analysis, no asbestos was detected in the samples analyzed. Electrical wiring was not sampled as not to compromise its integrity or the safety of the inspector and is therefore, deemed positive for asbestos until sampling can be conducted. One material was assumed to be positive. Refer to the attached NESHAP Asbestos Survey Summary Table (Attachment IV) for a listing of the materials identified. A copy of the laboratory analytical report is included as Attachment V. The following material was identified as an ACM defined by the U.S. EPA:

- Approximately 330 linear feet (l.f.) of electrical wire (HSA 05)-assumed positive.

CONCLUSIONS/RECOMMENDATIONS

TTL sampled all visible and reasonably accessible materials. Materials located beneath bridge decks, behind concrete or otherwise not accessible (such as rocker pads, waterproofing membranes between concrete deck and asphalt overlays and concealed insulation) were not assessed or sampled and therefore, will need to be addressed when uncovered.

The U.S. EPA defines regulated asbestos-containing material (RACM) as: (a) Friable asbestos material, (b) Category I non-friable ACM that has become friable, (c) Category I non-friable ACM that will be or has been subjected to sanding, grinding, cutting, or abrading, or (d) Category II non-friable ACM that has a high probability of becoming or has become crumbled, pulverized, or reduced to powder by the forces expected to act on the material in the course of demolition or

renovation operations.

The following Category II non-friable ACM was identified and might become RACM based on the renovation/demolition techniques:

- Approximately 330 l.f. of electrical wire (HSA 05)-assumed positive.

The NESHAP asbestos regulations require the removal of all RACM from a facility being demolished or renovated prior to beginning any activity that might damage or disturb the material.

A written Notification of Intent to Renovate/Demolish is required to be submitted to the U.S. EPA or their designated authority at least ten working days prior to beginning any asbestos abatement and/or demolition project and has been included in Attachment VI. Additional state or local agencies may also have notification requirements.

LIMITATIONS

TTL has made reasonable efforts to identify and quantify suspect ACM based upon the standard of care in the environmental industry existing at the time of the survey. This survey only summarizes the potential presence and estimated quantities of visually observed ACM. TTL did not perform any destructive testing and this survey is limited to areas that were accessible to and visually observed by TTL at the time of the survey.

Additional material disturbed during renovation or demolition activities should be evaluated on a case-by-case basis, especially materials that were previously hidden, obscured, or inaccessible, to determine if the material is included in this survey. If a given material is not described in this survey or cannot be identified as a non-suspect material, the material should be assumed to contain asbestos and renovation and/or demolition activities should be halted until sampling and analysis can be accomplished. Parties conducting renovation and/or demolition activities should follow all applicable federal, state, and local regulations in handling identified and suspect ACMs.

The information contained in the report was based upon specific parameters and regulations in force at the time of the survey. The information herein is only for the specific use of ODOT and TTL, unless written authorization is obtained from TTL. TTL accepts no responsibility for the use, interpretation, or reliance by other parties on the information contained herein, nor does this report represent an instrument of regulatory compliance or an asbestos abatement specification.

TTL appreciates the continued opportunity to provide ODOT with our environmental, geotechnical, testing, and consulting services and we look forward to working with you in the future. Should you have any questions concerning this report, please contact Ms. Susan Yarger at (419) 324-2222 extension 1166.

Sincerely,

TTL Associates, Inc.

Randall Brown
Asbestos Hazard Evaluation Specialist
Accreditation #ES33290

Susan E. Yarger
Manager, Environmental Services

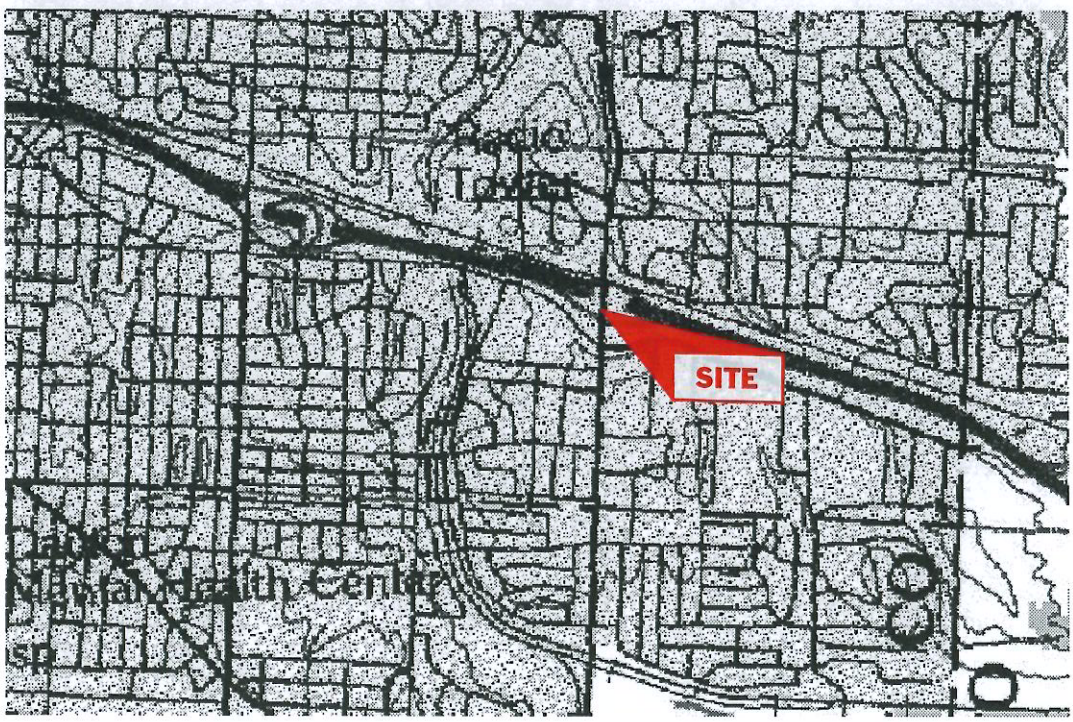
Attachments

V:\Toledo\ODOT\District 7 Environmental\182704 Task 07D Asb Bridge Inspections\Bridge B - US-35 Woodman Drive - Montgomery County\182704 Bridge B US-35 Woodman Drive SR 835 NESHAP Report.doc

ATTACHMENT I

AREA MAP

2000 Aerial Map



1984 Topographic Map

ATTACHMENT II

PHOTOGRAPHIC DOCUMENTATION

US-35 Woodman Drive Bridge, SR 835 Montgomery County

Photo No. 1: View of bridge from the west.

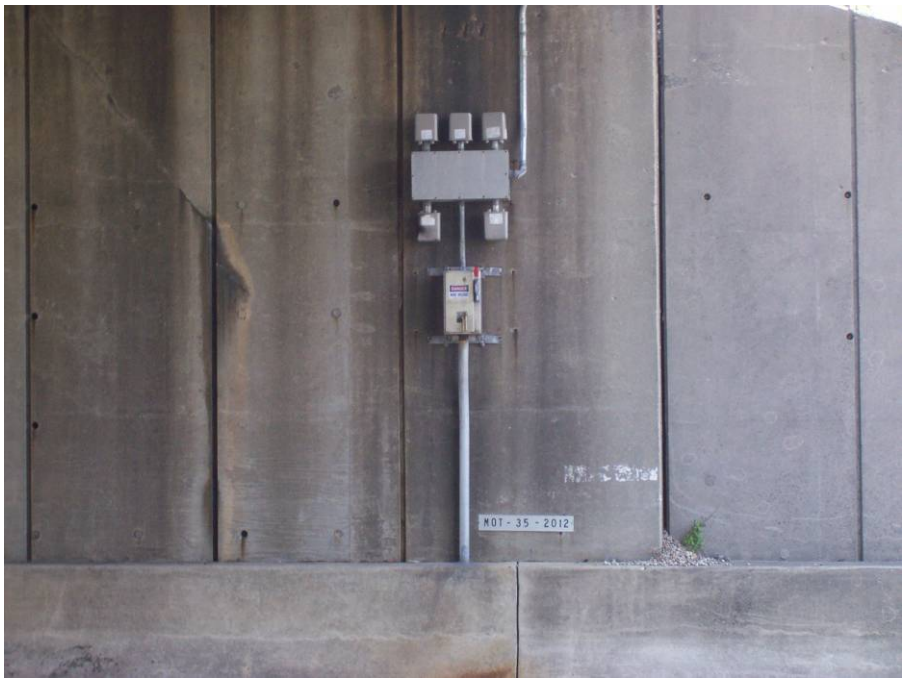


Photo No. 2: Electrical wiring.

Photo No. 3: Under side of concrete deck and steel support beams.

Photo No. 4: Underside of deck drains.

Photo No. 5: Styrofoam inside expansion joint.

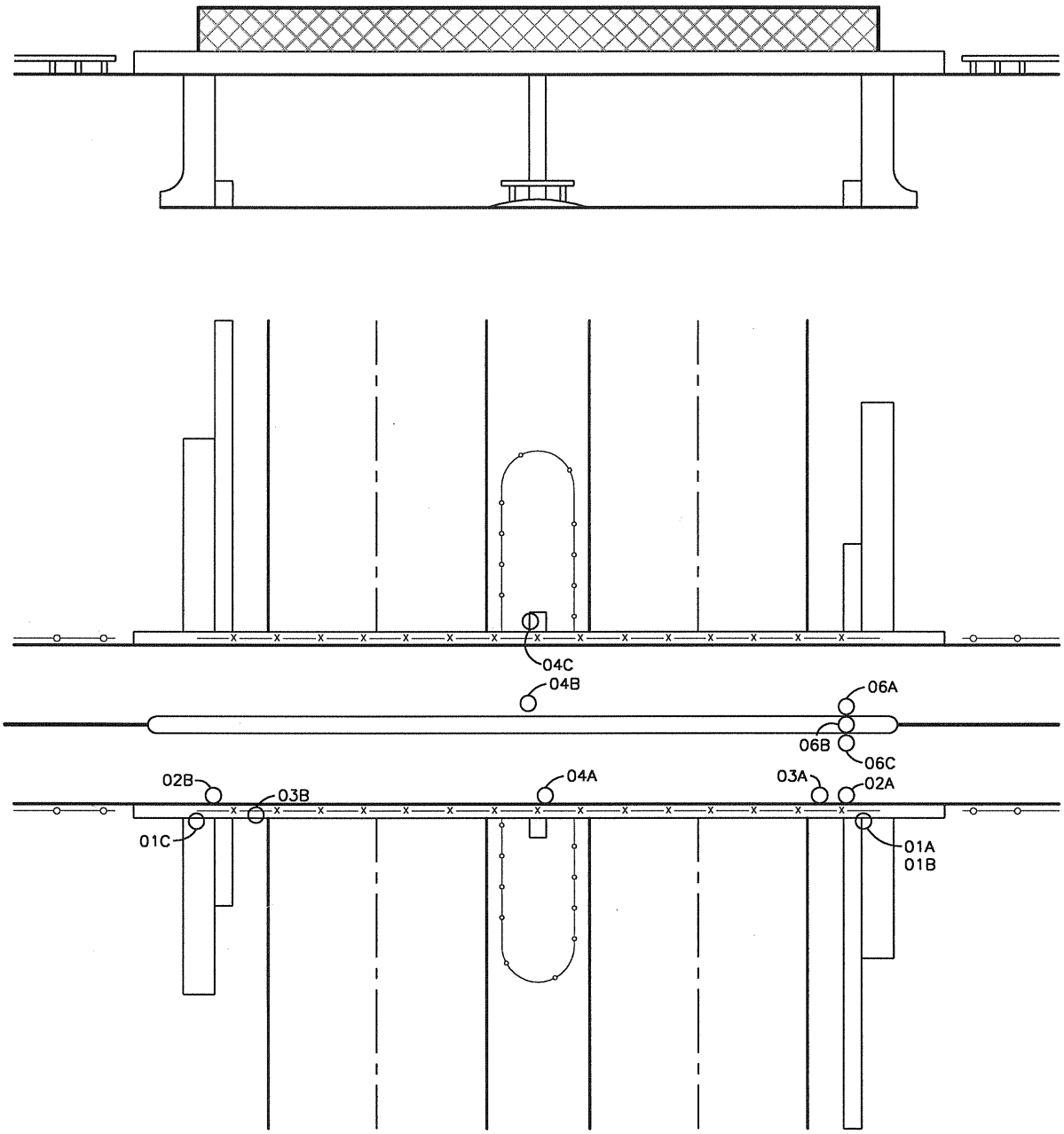
Photo No. 6: Detail of top side of steel expansion joint.

Photo No. 7: Fence mount on top of guard rails.

Photo No. 8: Concrete deck and expansion joint.

ATTACHMENT III

SITE DRAWINGS



LEGEND

—x—x— CHAIN LINK FENCE

—o—o— GUARDRAIL

01C —○ SAMPLE LOCATION

N

NOT TO SCALE

FIGURE 1.0

US–35 WOODMAN DRIVE BRIDGE, SR 835

MOT–835–002

MONTGOMERY COUNTY, OHIO

PREPARED FOR

ODOT

SIDNEY, OHIO

DRAWN ALN/06–14–07	CHECKED CLM
REVISED	APPROVED SH
JOB NO. 1827.04	
DRAWING NUMBER **182704–01H**	

TTL associates inc

ATTACHMENT IV

NESHAP ASBESTOS SURVEY SUMMARY TABLE

NESHAP ASBESTOS SURVEY SUMMARY
D-7 ESA FY07/08 TASK ORDER PID 75863
US-35 WOODMAN DRIVE BRIDGE, SR 835
MONTGOMERY COUNTY, OHIO
TTL PROJECT NO. 1827.04-07DB

HSA No.	HSA Material Description	Results	Friability	Approximate Quantity [square feet (s.f.)] [linear feet (l.f.)]	Functional Area(s)	Condition
01	Concrete	N	NF-II	10,970 s.f.	Throughout	Good
02	Tar	N	NF-II	180 s.f.	Throughout	Good
03	Blue Paint	N	NF-II	14,000 s.f.	Throughout	Good
04	Caulk	N	NF-II	30 l.f.	Throughout	Good
05	**Electrical Wire**	**A**	**NF-II**	**330 l.f.**	**Throughout**	**Good**
06	Flex Joint	N	NF-II	3 l.f.	North End of Center Median	Good

RESULTS:

P: Positive
N: Negative
A: Assumed Positive

FRIABILITY:

F: Friable
NF-I: Non-Friable Category I
NF-II: Non-Friable Category II

CONDITION:

Good: Little or no damage
Damaged: Less than 10% damage of total surface area, or less than 25% damage in a localized area
Significantly Damaged: Greater than 10% damage of total surface area, or greater than 25% damage in a localized area

Refer to report for a discussion of the areas surveyed and survey limitations for the project.

V:\Toledo\ODOT\District 7 Environmental\182704 Task 07D Asb Bridge Inspections\Bridge B - US-35 Woodman Drive - Montgomery County\182704 Bridge B US-35 Woodman Drive SR 835 NESHAP Report.doc

ATTACHMENT V

ASBESTOS ANALYTICAL REPORT

1915 North 12th Street
Toledo, OH 43604-5305
T 419-324-2222
F 419-241-1808
www.ttlassoc.com

CLIENT: Ohio Department of Transportation
1001 St. Mary's Avenue
SIDNEY, OHIO 43565-0969

DATE: May 07, 2007

ATTN: Mr. John Horman

Project No.: 1827.04

Lab Receiving No.: 07-04-200430

Date Received: April 30, 2007

Date Sampled: April 23, 2007

Project Location: Bridge B
Bridge Over US 35
US 35 Woodman Drive
Dayton, Ohio

Sample Point(s): see analytical results

Analysis Performed: Asbestos Analysis by PLM

DISCLAIMER

Reviewed by: Myron V. Gasiorowski Date: 5/7/2007
Myron V. Gasiorowski, Lab Supervisor

Approved by: Timothy P Weltin Date: 5/7/2007
Timothy P. Weltin, Quality Assurance Officer

ANALYTICAL NARRATIVE

The note(s) below pertain to the sample(s) and analytical data reported herein:

Quantitative results are listed as approximate % asbestos. Results are based on calibrated visual estimation of materials. All results <1% asbestos (Trace) have been confirmed by the analysis of a duplicate slide. As per the method, all "negative" or BDL samples have been confirmed by triplicate analyses. Due to the nature of the samples the following measurements of uncertainty may apply:

% Asbestos	Uncertainty
1%	± 2%
5%	± 4%
10%	± 5%
>20%	± 10%

Due to the complexity of analyzing floor tile by PLM, the client may want to consider having "negative" floor tiles analyzed further by an alternative method such as TEM.

Samples are archived by TTL Associates for a period of thirty days. Samples may be retained for a longer period of time or returned to the client upon written request.

Laboratory Accreditation:

U.S. Department of Commerce, National Institute of Standards and Technology, National Voluntary Laboratory Accreditation Program (NVLAP), Lab #101594-0

This report may not be used by the client to claim product endorsement by NVLAP or any agency of the U.S. Government. This report relates only to the items tested, and may not be reproduced, except in full, without the written approval of the laboratory.

Report Key:

BDL = Below Detection Level
n/a = not applicable
HSA = Homogeneous Sampling Area

Detection Level: 1% asbestos fibers greater than one micrometer in length.

POLARIZED LIGHT MICROSCOPY
ANALYTICAL RESULTS

METHOD NUMBER:	EPA/600/R-93/116, July, 1993; 40 CFR, Ch. 1 (7-1-93 ed.), Part 763, Subpart F, Appendix A, pages 293-299
BATCH NUMBER:	2PLM008407
DATE ANALYZED:	May 1, 2007
ANALYST:	Myron Gasiorowski

LAB No.	Sample ID	HSA No.	SAMPLE LOCATION	LAYER DESCRIPTION	NON-ASBESTOS COMPONENTS	APPROXIMATE % ASBESTOS
165116	18270407DB-01A	01	Concrete, southwest corner	Grey Concrete	100% Binder	BDL
165117	18270407DB-01B	01	Concrete, southwest corner	Grey Concrete	100% Binder	BDL
165118	18270407DB-01C	01	Concrete, northwest corner	Grey Concrete	100% Binder	BDL
165119	18270407DB-02A	02	Tar, southwest corner	Black Tar	100% Binder	BDL
165120	18270407DB-02B	02	Tar, northwest corner	Black Tar	100% Binder	BDL
165121	18270407DB-02C	02	Tar, southeast corner	Black Tar	100% Binder	BDL
165122	18270407DB-03A	03	Blue paint, southwest corner	Blue Paint	100% Binder	BDL
165123	18270407DB-03B	03	Blue paint, northwest corner	Blue Paint	100% Binder	BDL
165124	18270407DB-03C	03	Blue paint, southeast corner	Blue Paint	100% Binder	BDL

POLARIZED LIGHT MICROSCOPY
ANALYTICAL RESULTS

METHOD NUMBER:	EPA/600/R-93/116, July, 1993; 40 CFR, Ch. 1 (7-1-93 ed.), Part 763, Subpart F, Appendix A, pages 293-299
BATCH NUMBER:	2PLM008407
DATE ANALYZED:	May 1, 2007
ANALYST:	Myron Gasiorowski

LAB No.	Sample ID	HSA No.	SAMPLE LOCATION	LAYER DESCRIPTION	NON-ASBESTOS COMPONENTS	APPROXIMATE % ASBESTOS
165125	18270407DB-04A	04	Caulk, west edge of middle of bridge	Grey Caulk	100% Binder	BDL
165126	18270407DB-04B	04	Caulk, middle of bridge	Grey Caulk	100% Binder	BDL
165127	18270407DB-04C	04	Caulk, middle of bridge	Grey Caulk	100% Binder	BDL
165128	18270407DB-06A	06	Flex Joint, south end of middle of bridge	Grey Fabric	90% Binder, 10% Synthetic Fibers	BDL
165129	18270407DB-06B	06	Flex Joint, south end of middle of bridge	Grey Fabric	90% Binder, 10% Synthetic Fibers	BDL
165130	18270407DB-06C	06	Flex Joint, south end of middle of bridge	Grey Fabric	90% Binder, 10% Synthetic Fibers	BDL

TTL associates inc
1915 North 12th St., Toledo, OH 43624-1305; Voice 419-324-2222; Fax 419-241-1808
Ship To Address: ATTN: RECEIVING LAB, 1810 North 12th St., Toledo, OH 43624-1302
Sent From: ☐ Toledo ☐ Plymouth ☑ Detroit ☐ Other _____

Chain of Custody Record

15337 Page 1 of 2

Project No.: 1827.04 Client: ODOT
P.O. No.: Project/Location: Bridge B US 35 Woodman Drive
Project Mgr.: Susan Yarger Sampler's Name B. Brown
Phone No. Sampler's Signature

Item No.	Sample I.D.	Date Sampled	Time Sampled	Type	Matrix	Sample Location	Total No. of Containers	PCM	Parameters	Preserved Yes/No	LAB USE ONLY Lab #
									# 430		4/30/07
1	1827.04BB-01A	4/23/07		Bulk	Solid	Concrete, SW Corner	1				165116
2	01B					SW Corner					165117
3	01C					NW Corner					165118
4	02A					Tar SW Corner					165119
5	02B					NW Corner					165120
6	02C					SE Corner					165121
7	03A					Blue Paint SW Corner					165122
8	03B					NW Corner					165123
9	03C					SE Corner					165124
10	04A					Caulk, West Edge of Middle of Bridge					165125

Item No.	Relinquished By:	Date / Time	Received By:	Date / Time
1-10		4/31/07 0700		4/30/07 0800
		/		/
		/		/
		/		/
		/		/

LAB USE ONLY

Were samples delivered ☑ in person ☐ by courier
Were samples preserved ☐ in field ☐ in lab ☑ N/A
Temp of samples N/A °C
Did samples arrive intact and sealed? ☑ yes ☐ no ☐ N/A
Were proper containers used? ☑ yes ☐ no
Was container labeled properly for contents? ☑ yes ☐ no
Were samples packaged properly for type of material? ☑ yes ☐ no
Was shipping label completed properly per regulations? (49 CFR 170, etc.) ☐ yes ☑ no

Comments: _____

TAT 3 days

Distribution: Original plus one accompanies shipment (white and yellow); copy to coordinator field files (pink)

Rev. 11/03

TTL associates inc

1915 North 12th St., Toledo, OH 43624-1305; Voice 419-324-2222, Fax 419-241-1808
Ship To Address: ATTN: RECEIVING LAB, 1810 North 12th St., Toledo, OH 43624-1302
Sent From: ☐ Toledo ☐ Plymouth ☐ Detroit ☐ Other _____

Chain of Custody Record

15338 Page 2 of 2

Project No.: 1827.04	Client: ODOT		
P.O. No.:	Project/Location: Bridge B (US 35 Woodman Drive		
Project Mgr.: Susan Yorger	Sampler's Name P. Brown		
Phone No.	Sampler's Signature		

Parameters: # 0430

LAB USE ONLY: MG 4/30/07

Item No.	Sample I.D.	Date Sampled	Time Sampled	Type	Matrix	Sample Location	Total No. of Containers	PCBs	Preserved Yes/No	Lab #
1	1827040708 - 04A	4/23/07		Bulk	Solid	Caulk Middle of Bridge	1			165126
2	-04C									165127
3	06A					Flex Joint, South End of Middle of Bridge				165128
4	06B									165129
5	06C									165130
6										
7										
8										
9										
10										

Item No.	Relinquished By:	Date / Time	Received By:	Date / Time
1-5		4/30/07 0700		4/30/07 0800
Item No.	Relinquished By:	Date / Time	Received By:	Date / Time
Item No.	Relinquished By:	Date / Time	Received By:	Date / Time
Item No.	Relinquished By:	Date / Time	Received By:	Date / Time

LAB USE ONLY

Were samples delivered ☒ in person ☐ by courier
Were samples preserved ☐ in field ☐ in lab ☒ N/A
Temp of samples NA °C
Did samples arrive intact and sealed? ☐ yes ☐ no ☒ N/A
Were proper containers used? ☐ yes ☐ no
Was container labeled properly for contents? ☐ yes ☐ no
Were samples packaged properly for type of material? ☐ yes ☐ no
Was shipping label completed properly per regulations? (49 CFR 170, etc.) ☐ yes ☐ no

Comments: _____

TAT 3 days

Distribution: Original plus one accompanies shipment (white and yellow); copy to coordinator field files (pink)

Rev. 11/03

ATTACHMENT VI

EPA DEMOLITION/RENOVATION NOTIFICATION

OHIO ENVIRONMENTAL PROTECTION AGENCY
NOTIFICATION OF DEMOLITION AND RENOVATION

Operator Project #	Postmark	Date Received	Notification #

I. Type of Notification (check one): X Original □ Revised □ Canceled

II. Facility Description (include building name, number, and floor or room number)
Building Name: ODOT Bridge MOT-835-002
Address: Woodman Drive SR 835 and US-35
City: Dayton State: **OHIO** Zip Code: 45431 County: Montgomery
Site Location (specific):
Building Size (square feet): # of Floors: Age in Years:
Present Use: Bridge Prior Use:

III. Type of Operation (check one): X Demo □ Ordered Demo □ Renovation □ Emergency Renovation □ Fire Training

IV. Is Asbestos Present? (check one): X Yes □ No

V. Facility Information
Owner Name: Ohio Department of Transportation-District 7
Address: 1001 St. Mary's Avenue, P.O. box 969
City: Sidney State: Zip Code:
Contact: John Horman Telephone: (937) 497-6808 Fax: (937) 497-6870
Removal Contractor Name: License #
Address:
City: State: Zip Code:
Contact: Telephone: ( ) Fax: ( )
Other Operator (demolition/general): License #
Address:
City: State: Zip Code:
Contact: Telephone: ( ) Fax: ( )

VI. Procedure, including analytical methods, employed to detect the presence of and to estimate the quantity of RACM and Category I and Category II nonfriable ACM:

Ohio Asbestos Hazard Evaluation Specialist: Randall Brown (Name) AS33290 (Certification #)

VII. Approximate Amount of Asbestos Materials:

	RACM to be Removed	Nonfriable Asbestos Material to be Removed		Nonfriable Asbestos Material NOT to be Removed	
		Category I	Category II	Category I	Category II
Pipes (linear feet)			330 l.f. of electrical wire		
Surface Area (square feet)					
Facility Components (cubic feet)					

VIII. Scheduled Dates Demolition or Renovation: Start: Complete:

IX. Dates for Asbestos Removal (MM/DD/YY) Start: Complete:

Days of the Week:	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
Hours of Operation:							

Complete all unshaded spaces, except demolitions which involve less than 260 linear feet, 160 square feet, or 35 cubic feet of RACM, need not complete spaces VII, XI,XII,XIII,XIV, and XV. Notifications for Emergency Demolition or Emergency Renovation must supply attachments.

OHIO ENVIRONMENTAL PROTECTION AGENCY
NOTIFICATION OF DEMOLITION AND RENOVATION

X. Description of planned Demolition or Renovation work to be performed and method(s) to be employed, including demolition or renovation techniques to be used and description of affected facility components:

XI. Description of work practices and engineering controls to be used to comply with the requirements, including asbestos removal and waste handling emission control procedures:

XII. Waste Transporter #1

Name:
Address:
City: State: Zip Code:
Contact: Telephone: ( ) Fax: ( )

Waste Transporter #2

Name:
Address:
City: State: Zip Code:
Contact: Telephone: ( ) Fax: ( )

XIII. Waste Disposal

Name:
Address:
City: State: Zip Code:
Contact: Telephone: ( ) Fax: ( )

XIV. Emergency Demolition (complete Item XIV and all other sections, only if this project is an Emergency Demo.)

1. Attach a copy of the Order to this notice.
2. Name of Authority Issuing Order: Title:
3. Authority of Order (Citation of Code):
4. Date of Order (MM/DD/YY): Date Ordered to Begin:

XV. Emergency Renovation (Attach separate sheet with the following information if project is Emergency Reno.)

1. Date and Hour of the Emergency
2. Description of the Sudden, Unexpected Event
3. Explanation of how the event caused unsafe conditions or equipment damage or an unreasonable financial burden.

XVI. Description of procedures to be followed in the event that unexpected RACM is found or nonfriable ACM becomes crumbled, pulverized or reduced to powder.

XVII. I certify that an individual trained in the provisions of NESHAPS (40 CFR PART 61, SUBPART M) will be on-site during the Demolition or Renovation and evidence that the required training has been accomplished by this person will be available during normal business hours.

Signature of Owner/Operator	Date	Type or Print Name and Title

XVIII. I acknowledge the existence of laws prohibiting the submission of false or misleading statements and I certify that facts contained in this notification are true, accurate, and complete.

Signature of Owner/Operator	Date	Type or Print Name and Title

Original Notification must be mailed or hand delivered at least ten working days (Monday-Friday excluding weekends) before demolition or renovation begins, except emergency demolitions and emergency renovations (see regulation) which must be submitted as soon as possible before operations begin.

(Form Revised 11/12/97)

ATTACHMENT VII

INSPECTOR CERTIFICATIONS

State of Ohio
Department of Health
Division of Quality Assurance - Asbestos Program

Asbestos Hazard Evaluation Specialist

Adam G Mead
TTL Associates, Inc.
1915 North 12th Street
Toledo OH 43604

Certification Number
ES34615

Expiration Date
10/26/2007

DOB: 03/26/1980

This certification is issued pursuant to Chapter 3710 of the Revised Code and 3701-34 of the Ohio Administrative Code

Certification Card is not valid if altered

State of Ohio
Department of Health
Division of Quality Assurance - Asbestos Program

Asbestos Hazard Evaluation Specialist

Randall S Brown
TTL Associates, Inc.
1915 N. 12th Street
Toledo OH 43624

Certification Number
ES33290

Expiration Date
05/05/2008

DOB: 10/30/1971

This certification is issued pursuant to Chapter 3710 of the Revised Code and 3701-34 of the Ohio Administrative Code

Certification Card is not valid if altered