



Excellence Delivered **As Promised**

August 3, 2015

Mr. Jack Noble, PE
Project Manager
Ohio Department of Transportation
2088 South Arlington Road
Akron, Ohio 44306

Re: SUM-8-1.75 Bridge Replacement Study
PID 91710
Bridge Asbestos Inspections

Dear Mr. Noble:

Gannett Fleming completed an asbestos inspection for bridge SUM-8-1.99 over the Little Cuyahoga River in Akron, Summit County. As specified in the scope of work, the inspection included a review of available plan sheets, a visual inspection of the bridge, and collection of samples of suspected asbestos-containing material (ACM).

On June 12, 2015, Mr. Brian Kardos visited the site and performed a survey for ACM. Mr. Kardos is certified by the State of Ohio Department of Health as an Asbestos Hazard Evaluation Specialist (ES#33795). During the survey twelve bulk samples were collected to be analyzed for asbestos content. The suspect ACM samples are included in the following table.

Sample Suspect ACM

Sample # 1	Concrete Abutment, North Side
Sample # 2	Concrete Abutment, North Side
Sample # 3	Bearing Plate, East Side
Sample # 4	Bearing Plate, Middle
Sample # 5	Concrete Deck
Sample # 6	Concrete Deck
Sample # 7	Pier Cap Mortar
Sample # 8	Pier Cap Mortar
Sample # 9	Sidewalk Wall Caulk

Gannett Fleming, Inc.

Suite 350 • 4151 Executive Parkway • Westerville, OH 43081-3863

t: 614.794.9424 • f: 614.794.9442

www.gannettfleming.com

Gannett Fleming

Sample # 10	Sidewalk Wall Caulk
Sample # 11	Bridge Column
Sample # 12	Bridge Column

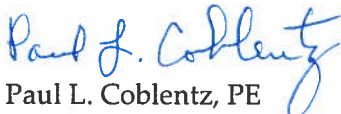
Bulk asbestos sample analysis was performed in accordance with the U.S. Environmental Protection Agency's (EPA) test method "EPA 600/R-93/116 Method" using Polarized Light Microscopy (PLM). The asbestos samples were analyzed by trained microscopists at EMLab P&K. The results of the lab analysis showed no ACM to be present in these samples.

Enclosed are photographs showing sample locations and the Ohio Department of Health Prior Notification of Asbestos Hazard Abatement Project form. Applicable sections of the form were completed. Analytical results are included.

Gannett Fleming appreciates the opportunity to assist you with this project. Please call me at 614-794-9424 if you have any questions or require additional information.

Sincerely,

GANNETT FLEMING ENGINEERS AND ARCHITECTS, P.C.



Paul L. Coblenz, PE

Project Manager

Enclosures

LABORATORY RESULTS



Report for:

Brian R. Kardos
Gannett Fleming Engineers and Architects, PC
300 North Cleveland-Massillon Road
Suite 104
Akron, OH 44333

Regarding: Project: Sum 8
EML ID: 1390218

Approved by:

Dates of Analysis:
Asbestos PLM: 07-10-2015

Approved Signatory
Alana Valenzuela

Service SOPs: Asbestos PLM (EPA Methods 600/R-93/116 & 600/M4-82-020, SOP EM-AS-S-1267)

All samples were received in acceptable condition unless noted in the Report Comments portion in the body of the report. The results relate only to the items tested. The results include an inherent uncertainty of measurement associated with estimating percentages by polarized light microscopy. Measurement uncertainty data for sample results with >1% asbestos concentration can be provided when requested.

EMLab P&K ("the Company") shall have no liability to the client or the client's customer with respect to decisions or recommendations made, actions taken or courses of conduct implemented by either the client or the client's customer as a result of or based upon the Test Results. In no event shall the Company be liable to the client with respect to the Test Results except for the Company's own willful misconduct or gross negligence nor shall the Company be liable for incidental or consequential damages or lost profits or revenues to the fullest extent such liability may be disclaimed by law, even if the Company has been advised of the possibility of such damages, lost profits or lost revenues. In no event shall the Company's liability with respect to the Test Results exceed the amount paid to the Company by the client therefor.

Client: Gannett Fleming Engineers and Architects, PC
 C/O: Brian R. Kardos
 Re: Sum 8

Date of Sampling: 06-12-2015
 Date of Receipt: 07-09-2015
 Date of Report: 07-10-2015

ASBESTOS PLM REPORT: EPA-600/M4-82-020 & EPA METHOD 600/R-93-116

Total Samples Submitted: 12
Total Samples Analyzed: 12

Total Samples with Layer Asbestos Content > 1%: 0

Location: 1, North Abutment

Lab ID-Version‡: 6390394-1

Sample Layers	Asbestos Content
Multicolored Concrete	ND
Sample Composite Homogeneity: Poor	

Location: 2, North Abutment

Lab ID-Version‡: 6390395-1

Sample Layers	Asbestos Content
Multicolored Concrete	ND
Sample Composite Homogeneity: Poor	

Location: 3, East Bearing Plate

Lab ID-Version‡: 6390396-1

Sample Layers	Asbestos Content
Multicolored Non-Fibrous Material	ND
Sample Composite Homogeneity: Moderate	

Location: 4, Middle Bearing Plate

Lab ID-Version‡: 6390397-1

Sample Layers	Asbestos Content
Multicolored Non-Fibrous Material	ND
Sample Composite Homogeneity: Moderate	

The test report shall not be reproduced except in full, without written approval of the laboratory. The 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. EMLab P&K reserves the right to dispose of all samples after a period of thirty (30) days, according to all state and federal guidelines, unless otherwise specified.

Inhomogeneous samples are separated into homogeneous subsamples and analyzed individually. ND means no fibers were detected. When detected, the minimum detection and reporting limit is less than 1% unless point counting is performed. Floor tile samples may contain large amounts of interference material and it is recommended that the sample be analyzed by gravimetric point count analysis to lower the detection limit and to aid in asbestos identification.

‡ A "Version" indicated by "-x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

Client: Gannett Fleming Engineers and Architects, PC
 C/O: Brian R. Kardos
 Re: Sum 8

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 Date of Receipt: 07-09-2015
 Date of Report: 07-10-2015

ASBESTOS PLM REPORT: EPA-600/M4-82-020 & EPA METHOD 600/R-93-116

Location: 5, Concrete Deck

Lab ID-Version‡: 6390398-1

Sample Layers	Asbestos Content
Blue Paint /Gray Concrete	ND
Sample Composite Homogeneity: Moderate	

Location: 6, Concrete Deck

Lab ID-Version‡: 6390399-1

Sample Layers	Asbestos Content
Blue Paint /Gray Concrete	ND
Sample Composite Homogeneity: Moderate	

Location: 7, Pier Cap Mortar

Lab ID-Version‡: 6390400-1

Sample Layers	Asbestos Content
Multicolored Concrete	ND
Sample Composite Homogeneity: Moderate	

Location: 8, Pier Cap Mortar

Lab ID-Version‡: 6390401-1

Sample Layers	Asbestos Content
Multicolored Concrete	ND
Sample Composite Homogeneity: Moderate	

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ASBESTOS PLM REPORT: EPA-600/M4-82-020 & EPA METHOD 600/R-93-116

Location: 9, Sidewalk wall caulk

Lab ID-Version‡: 6390402-1

Sample Layers	Asbestos Content
Gray Caulk	ND
Composite Non-Asbestos Content:	2% Cellulose
Sample Composite Homogeneity:	Moderate

Location: 10, Sidewalk wall caulk

Lab ID-Version‡: 6390403-1

Sample Layers	Asbestos Content
Gray Caulk	ND
Composite Non-Asbestos Content:	2% Cellulose
Sample Composite Homogeneity:	Moderate

Location: 11, Bridge Column

Lab ID-Version‡: 6390404-1

Sample Layers	Asbestos Content
White Paint /Gray Concrete	ND
Sample Composite Homogeneity:	Moderate

Location: 12, Bridge Column

Lab ID-Version‡: 6390405-1

Sample Layers	Asbestos Content
White Paint /Gray Concrete	ND
Sample Composite Homogeneity:	Moderate

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PHOTOGRAPHS

Client Name: ODOT	Site Location: SUM-8-1.75	Project No. 55350
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Photo No. 1	Date: 6/12/15	Direction: NA
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Description:

Concrete Abutment, North Side



Photo No. 2	Date: 6/12/15	Direction: NA
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Description:

Concrete Abutment, North Side




Client Name: ODOT	Site Location: SUM-8-1.75	Project No. 55350
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Photo No. 3	Date: 6/12/15	Direction: NA	
Description: Bearing Plate, East Side			

Photo No. 4	Date: 6/12/15	Direction: NA	
Description: Bearing Plate, Middle Section			


Client Name: ODOT	Site Location: SUM-8-1.75	Project No. 55350
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Photo No.	Date:	Direction:
5	6/12/15	NA
Description: Concrete Deck, eastern side		
		

Photo No.	Date:	Direction:
6	6/12/15	NA
Description: Concrete Deck, western side		
		

Client Name: ODOT	Site Location: SUM-8-1.75	Project No. 55350
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Photo No. 7	Date: 6/12/15	Direction: NA	Not Available
Description: Pier Cap Mortar			

Photo No. 8	Date: 6/12/15	Direction: NA	
Description: Pier Cap Mortar			

Client Name: ODOT	Site Location: SUM-8-1.75	Project No. 55350
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Photo No. 9	Date: 6/12/15	Direction: NA
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Description:
Sidewalk Wall Caulk




Photo No. 10	Date: 6/12/15	Direction: NA
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Description:
Sidewalk Wall Caulk



Client Name: ODOT	Site Location: SUM-8-1.75	Project No. 55350
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Photo No. 11	Date: 6/12/15	Direction: NA	
Description: Bridge Column			

Photo No. 12	Date: 6/12/15	Direction: NA	
Description: Bridge Column			

OHIO DEPARTMENT OF HEALTH NOTIFICATION FORM

Do Not Write in This Space

Postmark	Date Received	Notification No.	By
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Ohio Department of Health Prior Notification of Asbestos Hazard Abatement Project

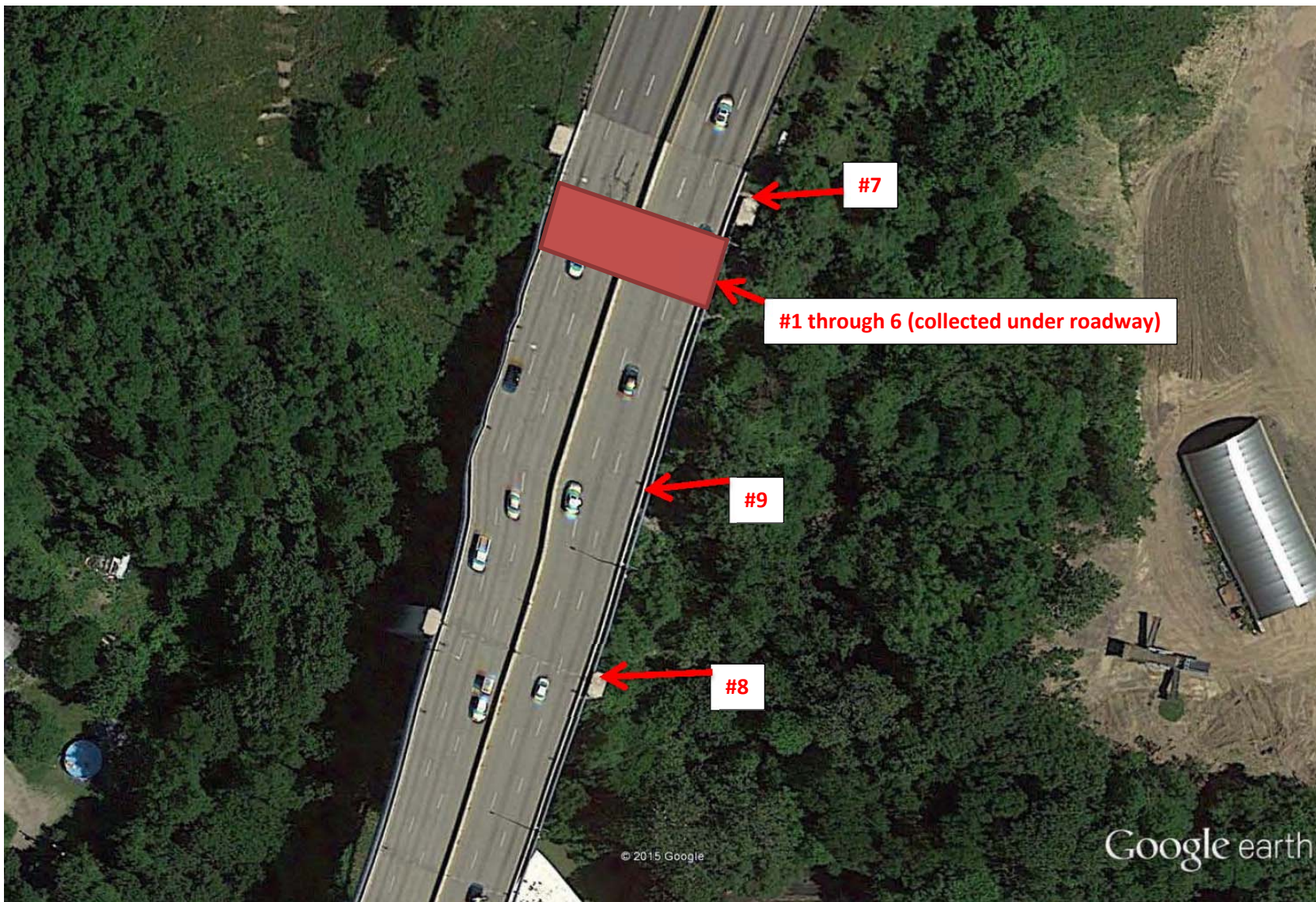
Read carefully all the instructions and questions prior to completing the notification form.

- Notifications including check shall be typed and sent to the Ohio Department of Health, Attn: Revenue Processing, P.O. Box 15278, Columbus, Ohio 43215.
- Checks shall be made payable to: Treasurer, State of Ohio, for the amount of sixty-five dollars (\$65.00).
- Any licensed asbestos hazard abatement contractor who performs any asbestos hazard abatement projects within the State of Ohio shall submit prior notifications to the Director at least ten business days before beginning each planned asbestos hazard abatement project as required by Chapter 3701-34 of the Ohio Administrative Code.
- Type of notification original revision number _____ revised line(s) number _____
 emergency blanket cancellation
- Type of abatement involving at least 50 linear feet or 50 square feet
 removal repair encapsulation enclosure renovation

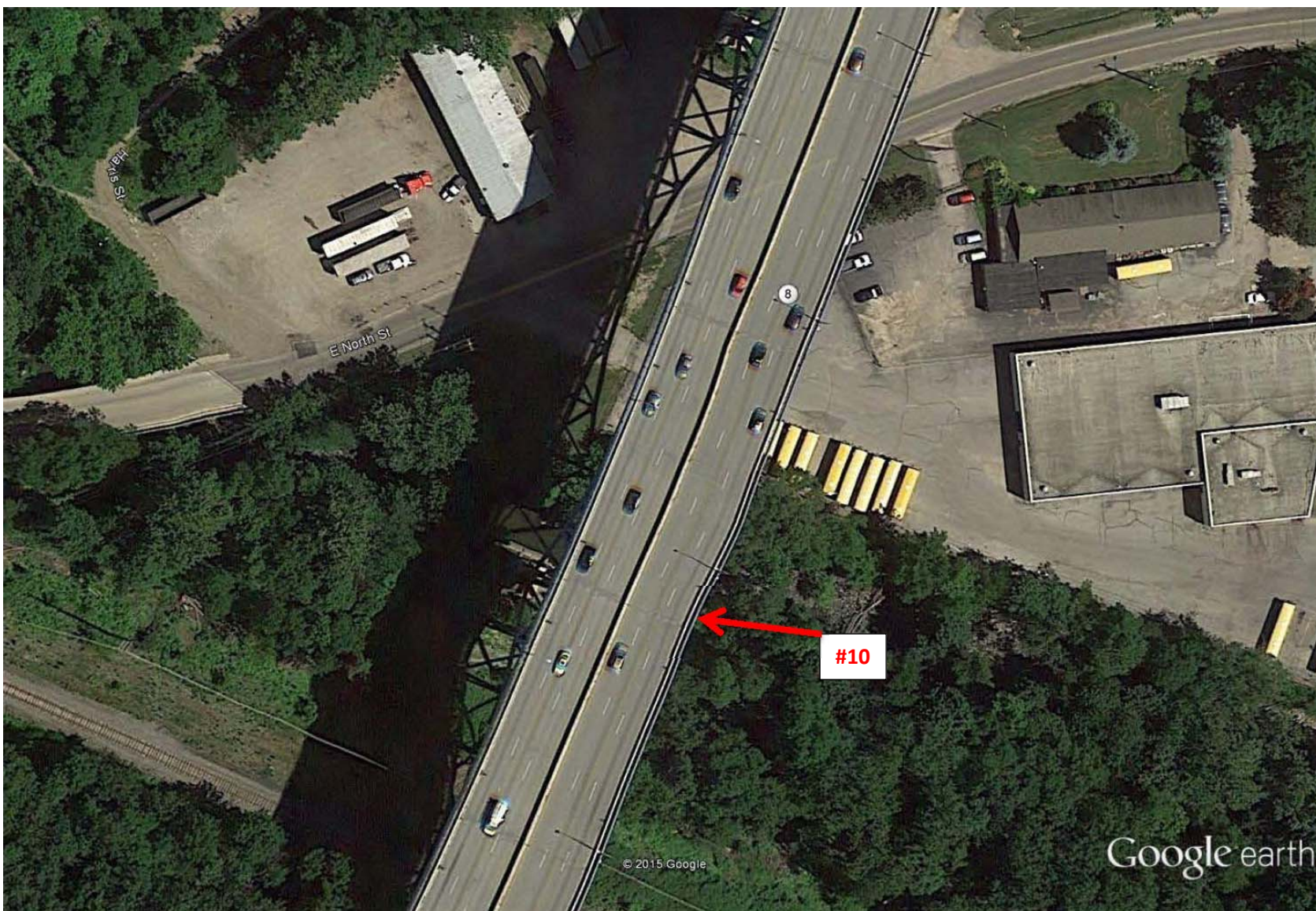
6. Owner name ODOT							
Address 2088 South Arlington Road		City Akron	State OH	ZIP 44306			
Contact Jack Noble		Contact telephone number ()					
7. License number		Abatement Contractor		Expiration			
Address		City	State	ZIP			
Contact		Telephone number ()					
8. Certification number ES33795		Name of asbestos hazard abatement specialist for project Brian Kardos		Expiration 9/21/15			
9. Project information—Building name SUM-8-1.75 Bridge							
Address		City Akron	State OH	County Summit			
Site location (<i>specific</i>) Route 8 bridge crossing the Little Cuyahoga River in Akron, Summit County, Ohio							
10. Project description							
Type of asbestos material	<input type="checkbox"/> surfacing	<input type="checkbox"/> mechanical	<input type="checkbox"/> other NA				
Asbestos removal from	<input type="checkbox"/> pipe	<input type="checkbox"/> boiler	<input type="checkbox"/> other NA				
Engineering controls	<input type="checkbox"/> AFD	<input type="checkbox"/> glove bag	<input type="checkbox"/> other NA				
11. Estimate of asbestos containing material							
linear feet		0	square feet	0			
12. Abatement dates							
set up		abatement	completion (acm work only)				
Hours of operation							
Days of the week	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
13. Approved landfill—Name					EPA permit number		
City			State	Telephone number			
14. Name of person filing this notice					Date		

BRIDGE SAMPLE LOCATIONS

Bridge Asbestos Sample Locations
SUM-8-1.75



Bridge Asbestos Sample Locations
SUM-8-1.75



Bridge Asbestos Sample Locations
SUM-8-1.75

