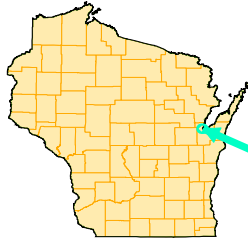


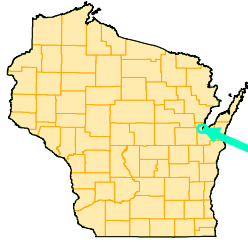
WisDOT Project 1133-10-00
 Structure B-05-0065
 Northbound USH 41
 over Velp Avenue
 Brown County, Wisconsin
 Inspected 8-8-07
 Jeffrey S. Carlson, Inspector
 License # All-3420
 STS Consultants, LTD



Asbestos Containing Material (ACM) is present in this structure

Sample #	Description	Sample Location	Analytical Results and Method	Category I or II non-friable, friable asbestos, or No ACM	Total Amount of Material on Structure
B-05-0065-1A	Gray parapet wall caulk	East parapet wall	100% non-fibrous, PLM Method	No ACM	Not Applicable
B-05-0065-1B	Gray parapet wall caulk	East parapet wall	100% non-fibrous, PLM Method	No ACM	Not Applicable
B-05-0065-1C	Gray parapet wall caulk	East parapet wall	100% non-fibrous, PLM Method	No ACM	Not Applicable
B-05-0065-2A	Guard Rail Gasket	East parapet wall	2% chrysotile asbestos, PLM Method	Friable asbestos	36 ea @ 6" x 7" and 4 ea @ 7" 18" or 36 x 42 square inches + 4 x 126 square inches x .00694444 = 13.9 square feet
B-05-0065-2B	Guard Rail Gasket	East parapet wall	See B-05-0065-2A	See B-05-0065-2A	See B-05-0065
B-05-0065-2C	Guard Rail Gasket	East parapet wall	See B-05-0065-2A	See B-05-0065-2A	See B-05-0065
B-05-0065-3A	Black paint/tar	Under the structure	100% non-fibrous, PLM Method	No ACM	Not Applicable
B-05-0065-3B	Black paint/tar	Under the structure	100% non-fibrous, PLM Method	No ACM	Not Applicable
B-05-0065-3C	Black paint/tar	Under the structure	100% non-fibrous, PLM Method	No ACM	Not Applicable

WisDOT Project 1133-10-00
 Structure B-05-0065
 Northbound USH 41
 over Velp Avenue
 Brown County, Wisconsin
 Inspected 8-8-07
 Jeffrey S. Carlson, Inspector
 License # All-3420
 STS Consultants, LTD



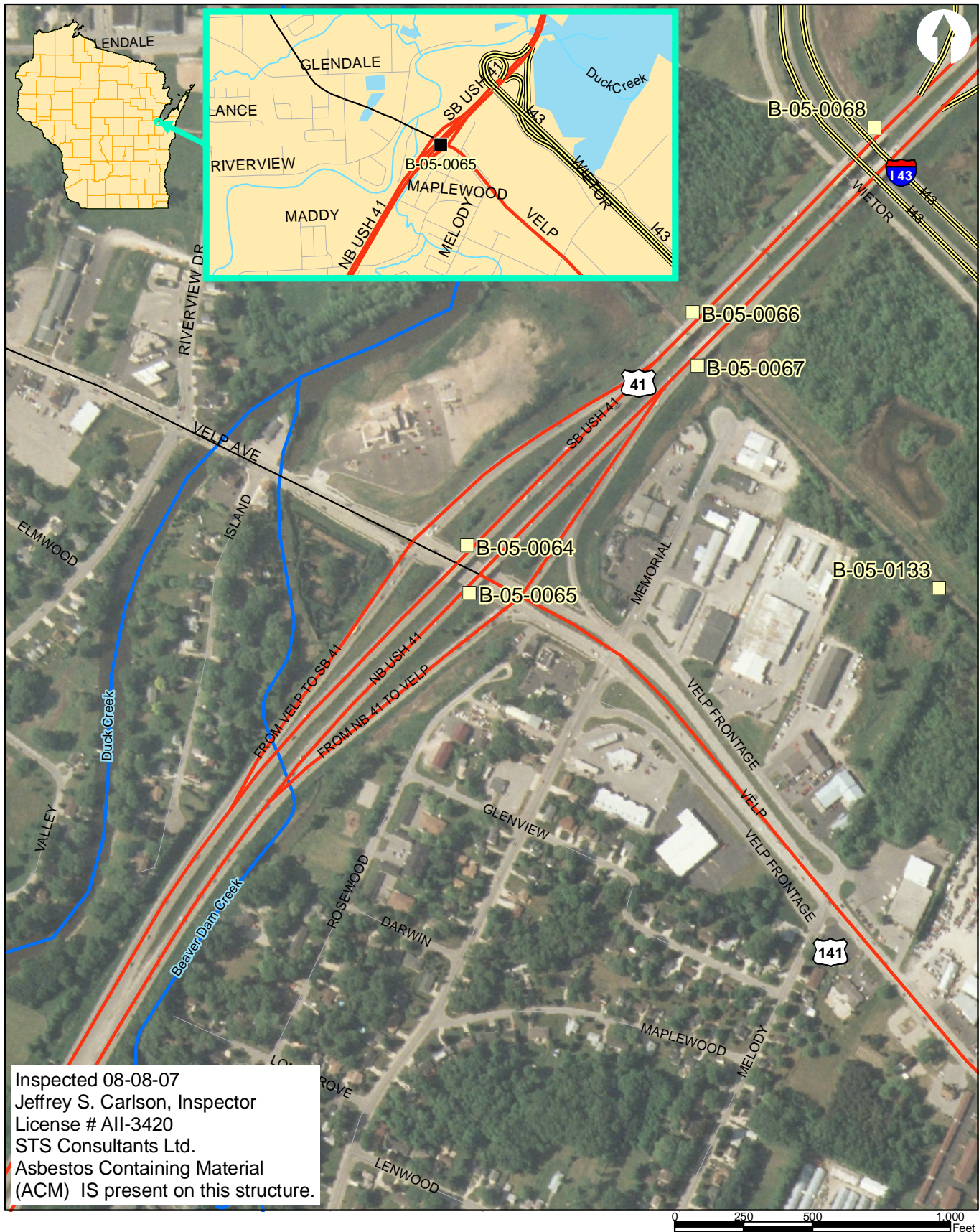
Asbestos Containing Material (ACM) is present in this structure

Sample #	Description	Sample Location	Analytical Results and Method	Category I or II non-friable, friable asbestos, or No ACM	Total Amount of Material on Structure
B-05-0065-4A	Silver Pain	Under the structure	100% non-fibrous, PLM Method	No ACM	Not Applicable
B-05-0065-4B	Silver Pain	Under the structure	100% non-fibrous, PLM Method	No ACM	Not Applicable
B-5-0065-4C	Silver Pain	Under the structure	100% non-fibrous, PLM Method	No ACM	Not Applicable
B-5-0065-5A	Black tar on deck	Deck	100% non-fibrous, PLM Method	No ACM	Not Applicable
B-5-0065-5B	Black tar on deck	Deck	100% non-fibrous, PLM Method	No ACM	Not Applicable
B-05-0065-5C	Black tar on deck	Deck	100% non-fibrous, PLM Method	No ACM	Not Applicable

All samples were collected following WisDOT standard sampling procedures for bridge inspections found in FDM Procedure 21-35-40

Because the identified gasket material was observed to be in poor condition and is friable, the material is regulated and should be removed prior to disturbance.

Because the structure is scheduled for replacement and the material will likely be disturbed, Standard Special Provision (STSP) 203-005 requiring the abatement of the ACM under the bridge construction contract bid item 203.0210.s. should be incorporated into the Special Provision.



Inspected 08-08-07
 Jeffrey S. Carlson, Inspector
 License # All-3420
 STS Consultants Ltd.
 Asbestos Containing Material
 (ACM) IS present on this structure.



STS Consultants, Ltd.

STS Consultants, Ltd.
 Consulting Engineers
 1035 Kepler Drive
 Green Bay, WI 54311
 920.468.1978

WisDOT Project 1133-10-00
 Structure B-05-0065
 Northbound USH 41 over Velp Ave
 Brown County, WI

DESIGNED BY	ATV	08-21-07
DRAWN BY	ATV	08-21-07
APPROVED BY	PMG	08-21-07
FILE	SCALE As Shown	
STS PROJECT NO.	FIGURE NO.	
200605948	B-05-0065	

August 16, 2007

On August 8, 2007, STS Consultants, Ltd. (STS) conducted a survey of suspected asbestos containing materials (ACM) at the structure located on the northbound lane of USH 41 spanning Velp Avenue in Brown County, Wisconsin (B-05-0065). Mr. Jeffrey S. Carlson, Wisconsin Asbestos Inspector Number All-3420 conducted the survey. A gray gasket material located between the guard rail post base and the top of the parapet wall contains 2% chrysotile asbestos. The material is located on the east and west sides of the structure, was in poor condition, and is classified as a friable asbestos containing material. Standard Special Provision (STSP) 203-005 requiring the abatement of the ACM under the bridge construction contract bid item 203.0210.s. should be incorporated in the Special Provisions.

The structure is scheduled for replacement in 2012/2013.

Traffic control to conduct the survey was provided by Mega Rentals, Inc., of Green Bay, Wisconsin.

The survey of the structure consisted of observation of the deck, rails, parapet walls, and underside of the structure to identify materials suspected of containing asbestos. The identified materials were bulk sampled in accordance with the WisDOT Facilities Development Manual Standard Sampling Procedure 21-35-45, the Environmental Protection Agency's Asbestos Hazardous Emergency Response Act (AHERA) 40 CFR 763, Subpart E, NR 447, and the Occupational Safety and Health Administration (OSHA) Standard 1926.1101(k)(5)(ii)(b), Communication of Hazards.

The bulk samples were submitted to Environmental Hazards Services, LLC, (EHS) of Richmond, Virginia, a National Volunteer Laboratory Accreditation Program laboratory, for bulk asbestos sample analysis. Analysis was conducted using the EPA-recommended "Polarized Light Microscopy with Dispersion Staining Method."

Bulk Sample(s) B-05-0065– 2A – 2C, gray gasket material, located on the east and west sides of the structure between the guard rail post base and the top of the parapet wall of the structure contain 2% chrysotile asbestos. The material is damaged and is considered friable asbestos containing material.

Copies of laboratory analytical reports (Bulk Asbestos Sample Analysis Summary), Chain of Custody forms, and general plan are attached.

Attachments:

- B-05-0065 Report Table
- B-05-0065 Map
- B-05-0065 Survey Letter
- B-05-0065 General Plan
- B-05-0065 Photo Log
- B-05-0065 Bulk Asbestos Sample Analysis Summary

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.
 BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2" CLEAR UNLESS OTHERWISE SHOWN OR NOTED.
 BEVEL EXPOSED EDGES OF CONCRETE 1" UNLESS OTHERWISE SHOWN OR NOTED.
 JOINT FILLER SHALL CONFORM TO A.S.H.O. DESIGNATION M153 OR M213.
 HOT-POURED ELASTIC TYPE JOINT SEALER SHALL CONFORM TO A.S.T.M. DESIGNATION, D1190.

ELASTOMERIC BEARING PADS NEED NOT BE INDIVIDUALLY MOLDED PROVIDED THE CUT EDGES ARE SMOOTH AND TRUE.
 THE SLOPE OF THE FILL IN FRONT OF THE ABUTMENTS SHALL BE COVERED WITH SLOPE PAVING TO THE EXTENT SHOWN ON THIS SHEET AND IN THE ABUTMENT DETAILS.
 THE UPPER LIMIT FOR EXCAVATION FOR STRUCTURES SHALL BE THE EXISTING GROUND LINE AT THE PIER AND AS SHOWN ON X37463 AT THE ABUTMENTS. THE ESTIMATED QUANTITY FOR EXCAVATION FOR STRUCTURES IS COMPILED FROM THESE LIMITS.

DESIGN DATA

LIVE LOAD HS20

ALLOWABLE DESIGN STRESSES

CONCRETE MASONRY, GRADE "AA"..... $f_c = 1,400$ p.s.i.
 BAR STEEL REINFORCEMENT..... $f_s = 20,000$ p.s.i.

PRESTRESSED GIRDER
 CONCRETE MASONRY
 STRANDS "2" DIA. WITH ULTIMATE
 TENSILE STRENGTH OF..... 270,000 p.s.i.

FOUNDATION DATA

PLACE ABUTMENTS ON 10BP42 STEEL PILING DRIVEN TO 44 TONS/PILE MINIMUM BEARING. BODY PILE LENGTH 60 FEET AND WING PILE LENGTH 85 FEET.
 PLACE PIER ON 10BP42 STEEL PILING DRIVEN TO 55 TONS/PILE MINIMUM BEARING. PILE LENGTH 50 FEET.

TOTAL ESTIMATED QUANTITIES

BID ITEM	UNIT	SUPER	W. ABUT.	PIER	E. ABUT.	TOTAL
EXCAVATION FOR STRUCTURES	C.Y.	120	50	120		290
GRANULAR BACKFILL	C.Y.		125		125	250
CONCRETE MASONRY	C.Y.	195.9	97.9	40.2	97.4	431.4
PRESTRESSED GIRDER TYPE, 45"	L.F.	754				754
BAR STEEL REINFORCEMENT	L.B.	66,020	4450	4470	4420	81,960
STRUCTURAL CARBON STEEL	L.B.	3,860				3,860
STRUCTURAL LOW-ALLOY STEEL	L.B.	3,860				3,860
LUBRICATED BRONZE PLATES	S.F.	80				80
BEARING PADS	S.F.	18				18
BEARING PADS, ELASTOMERIC	S.F.	18				18
STEEL PILING, DELIVERED AND DRIVEN, 10" 8P 42#	L.F.		910	650	910	2,470
SLOPE PAVING, CONCRETE	S.Y.		120		140	260
TUBULAR RAILING, TYPE "G"	L.F.	363				363
NON-BID ITEM						
1/8" ALUMINUM OR ZINC PLATE	S.F.	21				21
FILLER	SIZE	1/2"				1/2"
6" RUBBER WATERSTOP	L.F.	43				43

AS BUILT PLAN

DATE 4-74 BY W.J.K.

NOTE: SEE SHEETS X37453 & X37454 OF B-5-64 FOR "SUBSURFACE EXPLORATION" INFORMATION.

LIST OF DRAWINGS

1. GENERAL PLAN	X37455
2. SUPERSTRUCTURE	X37456
3. SUPERSTRUCTURE	X37457
4. 45" PRESTRESSED GIRDER DETAILS	X37458
5. DETAILS FOR TYPE "G" TUBULAR ALUMINUM & STEEL RAILING	X37459
6. RAIL PARAPET DETAILS	X37460
7. EXPANSION JOINT DETAILS	X37461
8. BEARING DETAILS	X37462
9. WEST ABUTMENT	X37463
10. PIER	X37464
11. EAST ABUTMENT	X37465
12. BILL OF BARS	X37466

REVISION	STATE HIGHWAY COMMISSION OF WISCONSIN
1	GENERAL PLAN
2	BROWN
3	HOWARD
4	24 N
5	DATE 5/23/68
6	DESIGNED BY AASHO 69
7	CHECKED BY G.B.N.
8	DATE 5/23/68
9	DATE 5/23/68
10	DATE 5/23/68
11	DATE 5/23/68
12	DATE 5/23/68
13	DATE 5/23/68
14	DATE 5/23/68
15	DATE 5/23/68
16	DATE 5/23/68
17	DATE 5/23/68
18	DATE 5/23/68
19	DATE 5/23/68
20	DATE 5/23/68
21	DATE 5/23/68
22	DATE 5/23/68
23	DATE 5/23/68
24	DATE 5/23/68
25	DATE 5/23/68
26	DATE 5/23/68
27	DATE 5/23/68
28	DATE 5/23/68
29	DATE 5/23/68
30	DATE 5/23/68
31	DATE 5/23/68
32	DATE 5/23/68
33	DATE 5/23/68
34	DATE 5/23/68
35	DATE 5/23/68
36	DATE 5/23/68
37	DATE 5/23/68
38	DATE 5/23/68
39	DATE 5/23/68
40	DATE 5/23/68
41	DATE 5/23/68
42	DATE 5/23/68
43	DATE 5/23/68
44	DATE 5/23/68
45	DATE 5/23/68
46	DATE 5/23/68
47	DATE 5/23/68
48	DATE 5/23/68
49	DATE 5/23/68
50	DATE 5/23/68
51	DATE 5/23/68
52	DATE 5/23/68
53	DATE 5/23/68
54	DATE 5/23/68
55	DATE 5/23/68
56	DATE 5/23/68
57	DATE 5/23/68
58	DATE 5/23/68
59	DATE 5/23/68
60	DATE 5/23/68
61	DATE 5/23/68
62	DATE 5/23/68
63	DATE 5/23/68
64	DATE 5/23/68
65	DATE 5/23/68
66	DATE 5/23/68
67	DATE 5/23/68
68	DATE 5/23/68
69	DATE 5/23/68
70	DATE 5/23/68
71	DATE 5/23/68
72	DATE 5/23/68
73	DATE 5/23/68
74	DATE 5/23/68
75	DATE 5/23/68
76	DATE 5/23/68
77	DATE 5/23/68
78	DATE 5/23/68
79	DATE 5/23/68
80	DATE 5/23/68
81	DATE 5/23/68
82	DATE 5/23/68
83	DATE 5/23/68
84	DATE 5/23/68
85	DATE 5/23/68
86	DATE 5/23/68
87	DATE 5/23/68
88	DATE 5/23/68
89	DATE 5/23/68
90	DATE 5/23/68
91	DATE 5/23/68
92	DATE 5/23/68
93	DATE 5/23/68
94	DATE 5/23/68
95	DATE 5/23/68
96	DATE 5/23/68
97	DATE 5/23/68
98	DATE 5/23/68
99	DATE 5/23/68
100	DATE 5/23/68

General Plan



Identification plate for structure B-05-0065.



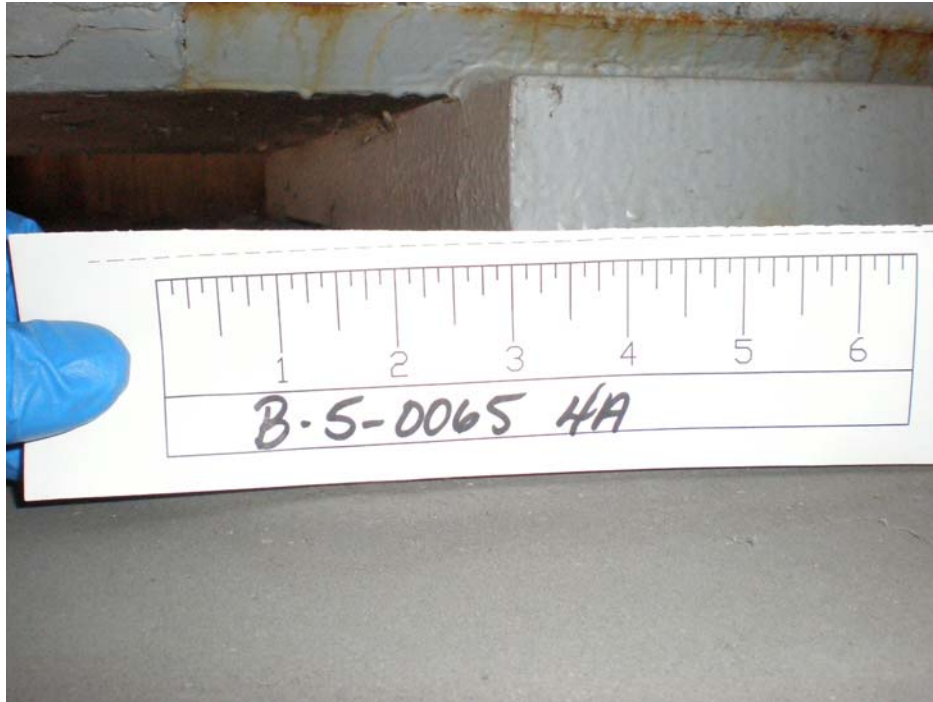
Gray parapet wall caulk located on Structure B-05-0065.



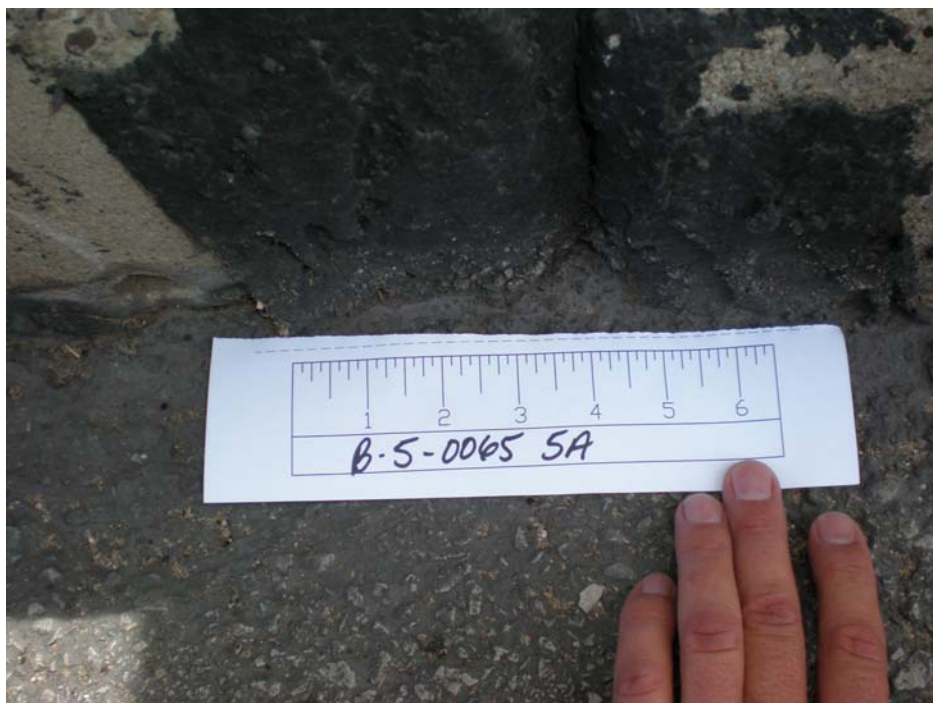
Guard rail base plate gasket located on the parapet wall of Structure B-05-0065.



Black paint/tar located on the underside of Structure B-05-0065.



Silver paint located on the underside of Structure B-05-0065.



Black tar located on the deck of Structure B-05-0065.



Looking to the north at Structure B-05-0065.



Looking to the north at the underside of Structure B-05-0065.

ENVIRONMENTAL HAZARDS SERVICES, L.L.C.

7469 WHITE PINE ROAD - RICHMOND, VA 23237

804-275-4788 FAX 804-275-4907

BULK ASBESTOS SAMPLE ANALYSIS SUMMARY

CLIENT: STS Consultants
1035 Kelpner Drive
Green Bay, WI 54311-8320

DATE OF RECEIPT: 10 Aug 2007
DATE OF ANALYSIS: 10 Aug 2007
DATE OF REPORT: 13 Aug 2007

CLIENT NUMBER: 51-3141 A
EHS PROJECT #: 2007-08-1280
PROJECT: 200605948

EHS SAMPLE #	CLIENT SAMPLE #/ LABORATORY GROSS DESCRIPTION	% ASBESTOS	OTHER MATERIALS
01	B-5-0065-1A/ Gray Vinyl	NAD	100% Non-Fibrous
02	B-5-0065-1B/ Gray Vinyl	NAD	100% Non-Fibrous
03	B-5-0065-1C/ Gray Vinyl	NAD	100% Non-Fibrous
04	B-5-0065-2A/ Gray Brittle	2% Chrysotile 2% Total Asbestos	98% Non-Fibrous
05	B-5-0065-2B/	DID NOT ANALYZE	
06	B-5-0065-2C/	DID NOT ANALYZE	
07	B-5-0065-3A/ Black Brittle	NAD	100% Non-Fibrous
08	B-5-0065-3B/ Black Brittle	NAD	100% Non-Fibrous
09	B-5-0065-3C/ Black Brittle	NAD	100% Non-Fibrous
10	B-5-0065-4A/ Silver Vinyl; Silver Paint; White Brittle; Brown Brittle	NAD	100% Non-Fibrous
11	B-5-0065-4B/ Silver Vinyl; Silver Paint; White Brittle; Brown Brittle	NAD	100% Non-Fibrous
12	B-5-0065-4C/ Silver Vinyl; Silver Paint; White Brittle; Brown Brittle	NAD	100% Non-Fibrous
13	B-5-0065-5A/ Black Tar-Like	NAD	100% Non-Fibrous

ENVIRONMENTAL HAZARDS SERVICES, L.L.C.

CLIENT NUMBER: 51-3141 A
EHS PROJECT #: 2007-08-1280
PROJECT: 200605948

EHS SAMPLE #	CLIENT SAMPLE #/ LABORATORY GROSS DESCRIPTION	% ASBESTOS	OTHER MATERIALS
14	B-5-0065-5B/ Black Tar-Like	NAD	100% Non-Fibrous
15	B-5-0065-5C/ Black Tar-Like	NAD	100% Non-Fibrous

QC SAMPLE: M11996-2


QC BLANK: SRM 1866 Fiberglass

REPORTING LIMIT: 1% Asbestos

METHOD: Polarized Light Microscopy, EPA Method 600/R-93/116 *

ANALYST: Christian H. Schaible

Reviewed By Authorized Signatory:


Michael A. Mueller, MPH, Laboratory Director
Howard Varner, General Manager
Irma Faszewski, Quality Assurance Coordinator

The condition of the samples analyzed was acceptable upon receipt per laboratory protocol unless otherwise noted on this report. Results represent the analysis of samples submitted by the client. Sample location, description, area, volume, etc., was provided by the client. This report cannot be used by the client to claim product endorsement by NVLAP or any agency of the U.S. Government. This report shall not be reproduced except in full, without the written consent of Environmental Hazards Services, L.L.C. California Certification #2319 NY ELAP #11714. All information concerning sampling location, date, and time can be found on Chain-of-Custody. Environmental Hazards Services, L.L.C. does not perform any sample collection.

Environmental Hazards Services, L.L.C. recommends reanalysis by point count (for more accurate quantification) or Transmission Electron Microscopy (TEM), for enhanced detection capabilities) for materials regulated by the EPA NESHAP (National Emission Standards for Hazardous Air Pollutants) and found to contain less than ten percent (<10%) asbestos by polarized light microscopy (PLM). Both services are available for an additional fee.

* All California samples analyzed by Polarized Light Microscopy, EPA Method 600/M4-82-020, Dec. 1982.

LEGEND NAD = no asbestos detected
SCF = suspected ceramic fibers

plm1.dot/07MAR2006/REV2/ MR

-- PAGE 02 of 02 -- END OF REPORT --

CHAIN OF CUSTODY FORM

Company Name: STS Consultants
Address: 1035 Kepler Drive
City, State, Zip: Green Bay, Wisconsin 54311
EHS Client Account #: 51-3141
Phone #: (920) 468-1978 Fax #: (920) 468-3312
P.O. #: 200605948-B-5-0065
Date: 8-8-07
Contact Name: Jeff Carlson
Sampler Name: Jeff Carlson
Project #: 200605948
***Stop at First Positive Result for Homogeneous Samples

Sample Number	Sample Date & Time	Asbestos					Lead					Other Metals <small>(Specify metals below)</small>			Indoor Air Quality				Particulate: Total Nuisance (NIOSH 0500) Respirable (NIOSH 0600)						
		Bulk ID by PLM	(PCM) Fiber Count	PLM Point Count	PLM Gravimetric	TEM AHERA (Air)	TEM Chatfield (Bulk)	Air	Paint (%)	Paint (PPM)	Paint (mg/cm ²)	Soil	Wine * (See Note)	TCLP (Pb)	Waste Water	TCLP RCRA 8	Welding Fume	Toxic Metal Profile	Biocassette	Slide	Surface Swab	Surface Tape	Bulk	Air Volume (L) OR Wipe Area (ft ²) OR Scrape Area (cm ²)	Comments
B-5-0065-1A	8-8-07	X																							Gray parapet wall caulk
1B																									↓
1C																									↓
B-5-0065-2A																									Guard rail BP gasket
2B																									↓
2C																									↓
B-5-0065-3A																									Black paint / tar
3B																									↓
3C																									↓

SAMPLE CONDITION

Acceptable

Unacceptable

* Do wipe samples submitted meet ASTM E1792 requirements? Yes ☐ No ☐

Released by: Jeff Carlson	Signature: Jeff Carlson	Date/Time: 8-9-07
Received by:	Signature:	Date/Time:
Released by:	Signature:	Date/Time:
Received by: Jim Cooner	Signature: Jennifer Cooner	Date/Time: 8-10-07 10am

CHAIN OF CUSTODY FORM

***Stop at First Positive Result for Homogeneous Samples