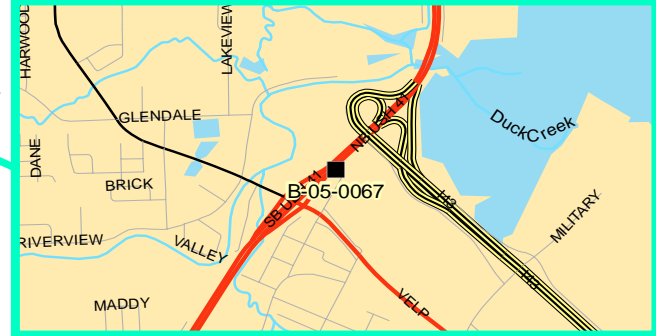
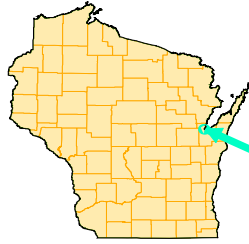


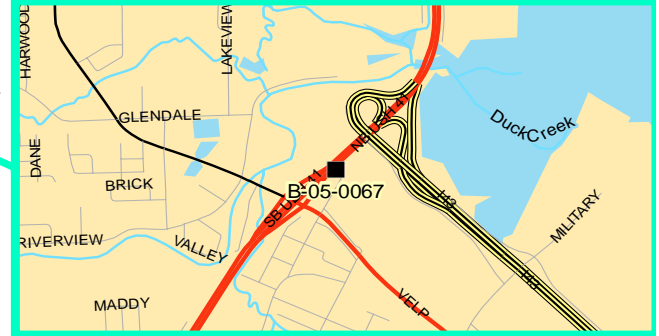
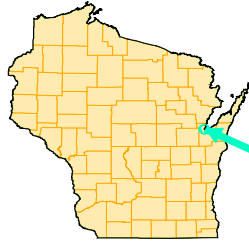
WisDOT Project 1133-10-00
 Structure B-05-0067
 Northbound USH 41
 over CN RR
 Brown County, Wisconsin
 Inspected 8-9-07
 Jeffrey S. Carlson, Inspector
 License # All-3420
 STS Consultants, LTD



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-05-0067-1A	Gray parapet wall caulk	East parapet wall	100% non-fibrous, PLM Method	No ACM	Not Applicable
B-05-0067-1B	Gray parapet wall caulk	East parapet wall	100% non-fibrous, PLM Method	No ACM	Not Applicable
B-05-0067-1C	Gray parapet wall caulk	East parapet wall	100% non-fibrous, PLM Method	No ACM	Not Applicable
B-05-0067-2A	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-05-0067-2B	Guard Rail Gasket	East parapet wall	See B-05-0067-2A	See B-05-0067-2A	See B-05-0067-2A
B-05-0067-2C	Guard Rail Gasket	East parapet wall	See B-05-0067-2A	See B-05-0067-2A	See B-05-0067-2A
B-05-0067-3A	Black tar	Deck	100% non-fibrous, PLM Method	No ACM	Not Applicable
B-05-0067-3B	Black tar	Deck	1% cellulose, 99% non-fibrous, PLM Method	No ACM	Not Applicable
B-05-0067-3C	Black tar	Deck	100% non-fibrous, PLM Method	No ACM	Not Applicable

WisDOT Project 1133-10-00
 Structure B-05-0067
 Northbound USH 41
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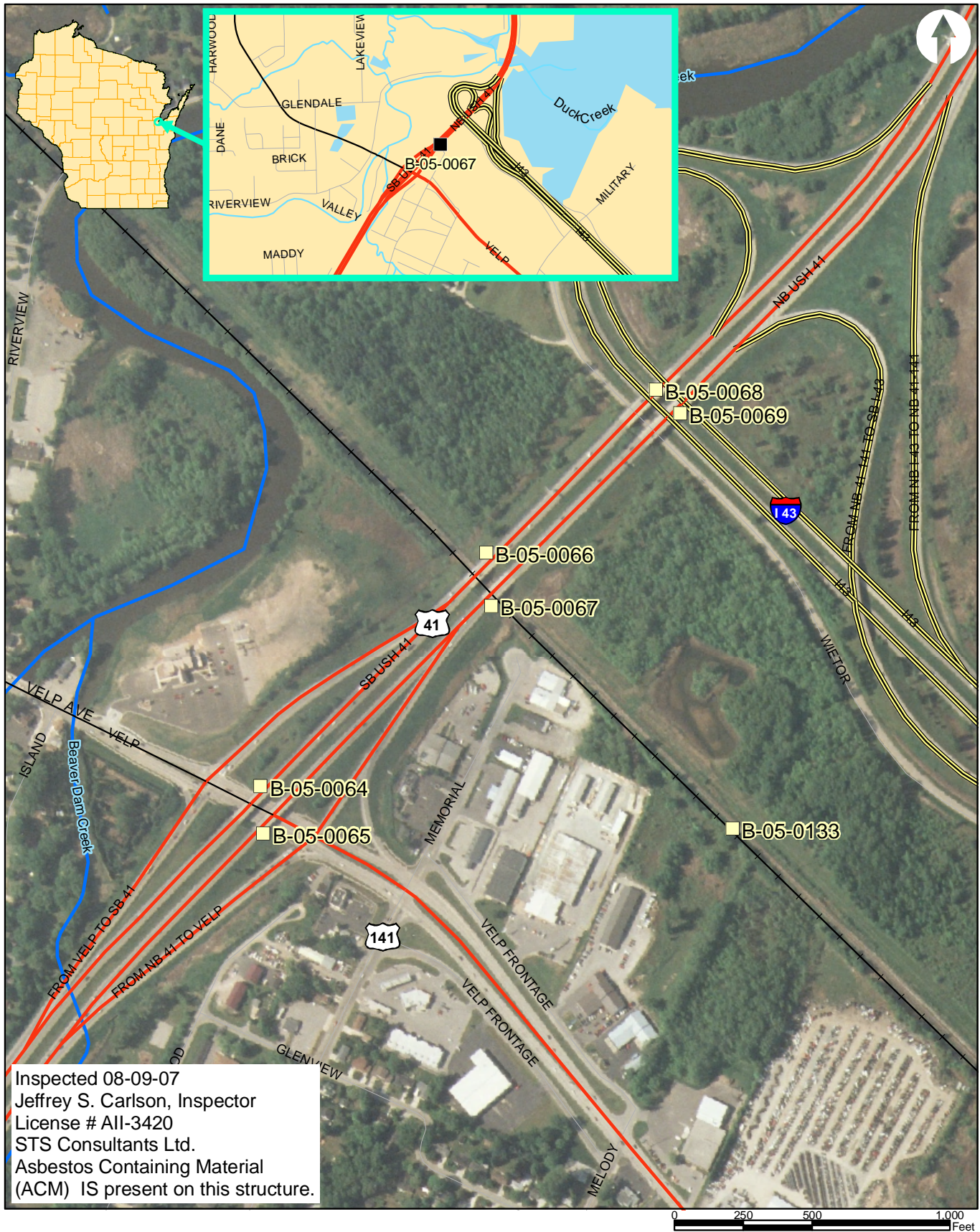
Asbestos Containing Material (ACM) is present in this structure

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-05-0067-4A	Black tar on rocks	Under the structure	100% non-fibrous, PLM Method	No ACM	Not Applicable
B-05-0067-4B	Black tar on rocks	Under the structure	100% non-fibrous, PLM Method	No ACM	Not Applicable
B-5-0067-4C	Black tar on rocks	Under the structure	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.



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-05-0067
Northbound USH 41 over CN RR
Brown County, WI

DESIGNED BY	ATV	09-12-07
DRAWN BY	ATV	09-12-07
APPROVED BY	PMG	09-12-07
FILE	SCALE As Shown	
STS PROJECT NO.	FIGURE NO.	
200605948	B-05-0067	

September

On August 9, 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 the CNW RR in Brown County, Wisconsin (B-05-0067). 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 into 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-05-0067– 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:

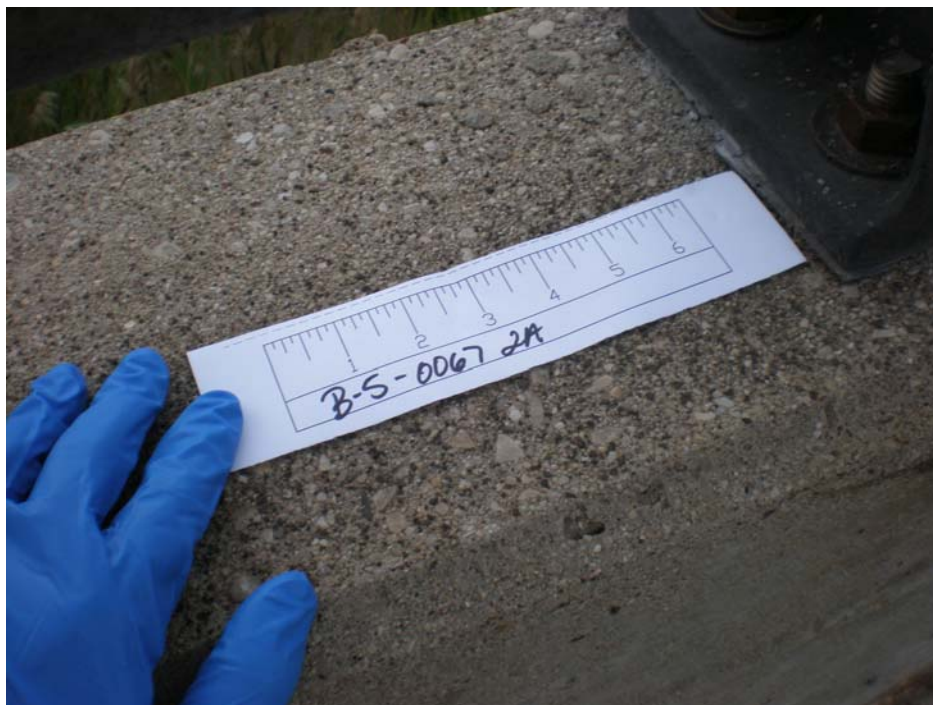
- B-05-0067 Report Table
- B-05-0067 Map
- B-05-0067 Survey Letter
- B-05-0067 General Plan
- B-05-0067 Photo Log
- B-05-0067 Bulk Asbestos Sample Analysis Summary



B-05-0067 identification plate.



Gray caulk located on the parapet walls of Structure B-05-0067.



Guard rail base plate gasket located on the parapet walls of Structure B-05-0067.



Black tar located on the deck of Structure B-05-0067.



Tar covered rocks located beneath Structure B-05-0067.



Looking to the North at Structure B-05-0067



Looking to the South at Structure B-05-0067

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 Kelpier Drive
Green Bay, WI 54311-8320

DATE OF RECEIPT: 20 Aug 2007
DATE OF ANALYSIS: 20 Aug 2007
DATE OF REPORT: 21 Aug 2007

CLIENT NUMBER: 51-3141 A
EHS PROJECT #: 2007-08-2217
PROJECT: 200605948

EHS SAMPLE #	CLIENT SAMPLE #/ LABORATORY GROSS DESCRIPTION	% ASBESTOS	OTHER MATERIALS
01	B-5-0067 1A/ Gray Rubbery	NAD	100% Non-Fibrous
02	B-5-0067 1B/ Gray Rubbery	NAD	100% Non-Fibrous
03	B-5-0067 1C/ Gray Rubbery	NAD	100% Non-Fibrous
04	B-5-0067 2A/ Gray Brittle	2% Chrysotile 2% Total Asbestos	98% Non-Fibrous
05	B-5-0067 2B/	DID NOT ANALYZE	
06	B-5-0067 2C/	DID NOT ANALYZE	
07	B-5-0067 3A/ Black Tar-Like; Rubbery	NAD	100% Non-Fibrous
08	B-5-0067 3B/ Black Tar-Like; Rubbery	NAD	1% Cellulose 99% Non-Fibrous
09	B-5-0067 3C/ Black Tar-Like; Rubbery	NAD	100% Non-Fibrous
10	B-5-0067 4A/ Black Tar-Like; Tan Gran.	NAD	100% Non-Fibrous
11	B-5-0067 4B/ Black Tar-Like; Tan Gran.	NAD	100% Non-Fibrous
12	B-5-0067 4C/ Black Tar-Like; Tan Gran.	NAD	100% Non-Fibrous

ENVIRONMENTAL HAZARDS SERVICES, L.L.C.

CLIENT NUMBER: 51-3141 A
EHS PROJECT #: 2007-08-2217
PROJECT: 200605948

QC SAMPLE: M11992-1
QC BLANK: SRM 1866 Fiberglass
REPORTING LIMIT: 1% Asbestos
METHOD: Polarized Light Microscopy, EPA Method 600/R-93/116 *
ANALYST: Vickie Holmes

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/pd

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

12 p/m

EHS 2007-08-2217

ENVIRONMENTAL HAZARDS SERVICES, L.L.C.
7469 Whitepine Road Richmond, Virginia 23237 Phone (804) 275-4788 Fax (804) 275-4907

CHAIN OF CUSTODY FORM

Company Name:	STS Consultants	Date:	8/9/07
Address:	1035 Kepler Drive	Contact Name:	Jeff Carlson
City, State, Zip:	Green Bay, Wisconsin 54311	Sampler Name:	Jeff Carlson
EHS Client Account #:	51-3141	Project #:	200605948
Phone #:	(920) 468-1978	Fax #:	(920) 468-3312
P.O. #:		***Stop at First Positive Result for Homogeneous Samples	

Sample Number	Sample Date & Time	Asbestos				Lead							Other Metals (Specify metals below)				Indoor Air Quality				Particulate: Total Nuisance (NIOSH 0500) Respirable (NIOSH 0600)		Comments	
		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	Wipe * (See Note)	TCLP (Pb)	Waste Water	TCLP RCRA 8	Welding Fume	Toxic Metal Profile	Biocassette	Slide	Surface Swab	Surface Tape		Bulk
B-5-00671A	8/9/07	X																						gray caulk Purge 2411
1B																								
1C																								
2A																								Guard Rail Gasket (Base Plate)
2B																								
2C																								
3A																								Black Tail (Duck)
3B																								
3C																								

* Do wine samples submitted meet ASTM E-1700

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

Released by: <i>Jeff Carlson</i>	Signature: <i>Jeff Carlson</i>	Date/Time: 8/9/07
Received by: <i>R. Tyler</i>	Signature: <i>R. Tyler</i>	Date/Time: 8/20/07
Released by:	Signature:	Date/Time:
Received by:	Signature:	Date/Time:

1 2 3 4 5 6 7 8 9

7469 Whitepine Road Richmond, Virginia 23237 Phone (804) 275-4788 Fax (804) 275-4907

[illegible]