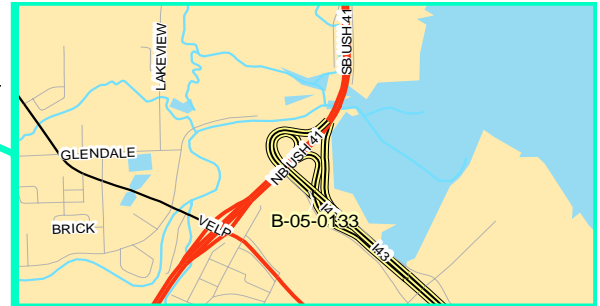
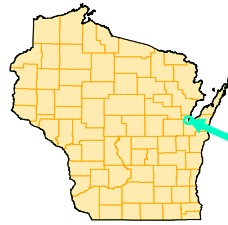
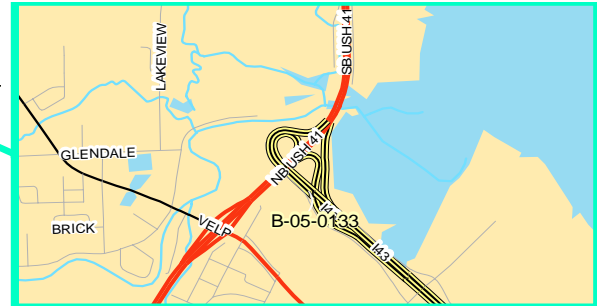
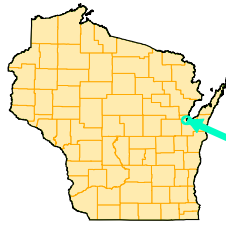


WisDOT Project 1133-10-00  
 Structure B-05-0133  
 Ramp at 41 Northbound-43 Southbound  
 over US Interstate HWY 43  
 Brown County, Wisconsin  
 Inspected 8-15-07  
 Jeffrey S. Carlson, Inspector  
 License # All-3420  
 STS Consultants, LTD  
 Asbestos Containing Material (ACM) is present in this structure



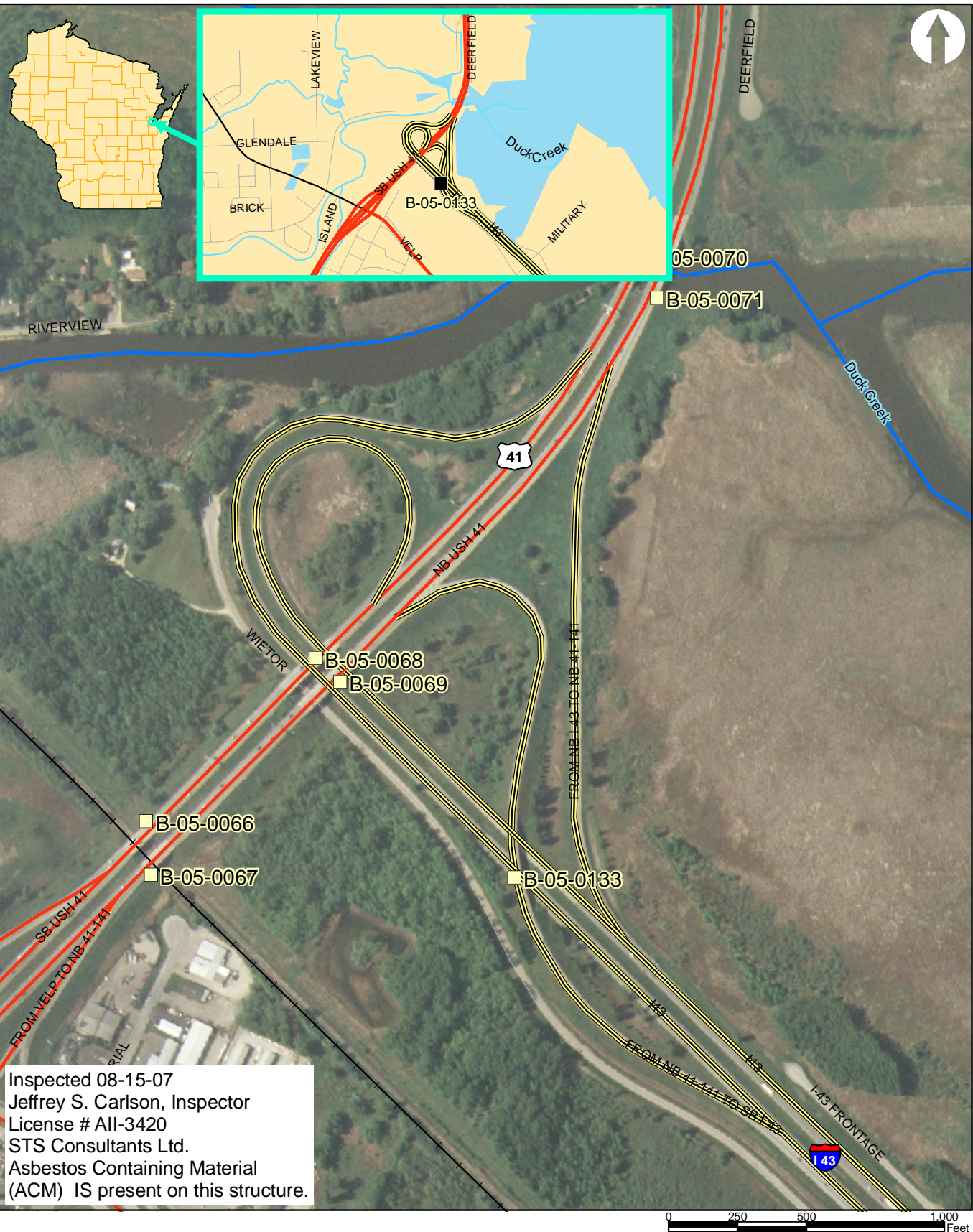
Sample #	Description	Sample Location	Analytical Results and Method	Category I or II non-friable, friable asbestos, or	Total Amount of Material on Structure
<b>B-05-0133-1A</b>	Gray parapet wall caulk	East parapet wall	100% non-fibrous, PLM Method	No ACM	Not Applicable
<b>B-05-0133-1B</b>	Gray parapet wall caulk	East parapet wall	100% non-fibrous, PLM Method	No ACM	Not Applicable
<b>B-05-0133-1C</b>	Gray parapet wall caulk	East parapet wall	100% non-fibrous, PLM Method	No ACM	Not Applicable
<b>B-05-0133-2A</b>	Guard Rail Gasket	East parapet wall	2.0 % chrysotile asbestos, PLM Method	Friable asbestos	70 ea @ 6" x 7" and 4 ea @ 7" 18" or 70 x 42 square inches + 4 x 126 square inches x .00694444 = 24 square feet
<b>B-05-0133-2B</b>	Guard Rail Gasket	East parapet wall	2.0 % chrysotile asbestos, PLM Method	See B-05-0133-2A	See B-05-0133-2A
<b>B-05-0133-2C</b>	Guard Rail Gasket	East parapet wall	2.0 % chrysotile asbestos, PLM Method	See B-05-0133-2A	See B-05-0133-2A
<b>B-05-0133-3A</b>	Black tar on deck	Deck	100% non-fibrous, PLM Method	No ACM	Not Applicable
<b>B-05-0133-3B</b>	Black tar on deck	Deck	100% non-fibrous, PLM Method	No ACM	Not Applicable
<b>B-05-0133-3C</b>	Black tar on deck	Deck	100% non-fibrous, PLM Method	No ACM	Not Applicable

WisDOT Project 1133-10-00  
 Structure B-05-0133  
 Ramp at 41 Northbound-43 Southbound  
 over US Interstate HWY 43  
 Brown County, Wisconsin  
 Inspected 8-15-07  
 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	Total Amount of Material on Structure
<b>B-05-0133-4A</b>	Silver Paint	Under the structure	100% non-fibrous, PLM Method	No ACM	Not Applicable
<b>B-05-0133-4B</b>	Silver Paint	Under the structure	100% non-fibrous, PLM Method	No ACM	Not Applicable
<b>B-05-0133-4C</b>	Silver Paint	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 (poor condition) could become comingled in demolition debris 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 Provisions.



Inspected 08-15-07  
 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-05-0133  
 Ramp at 41 Northbound-43 Southbound  
 over US Interstate HWY 43  
 Brown County, WI

DESIGNED BY	ATV	09-24-07
DRAWN BY	ATV	09-24-07
APPROVED BY	PMG	09-24-07
FILE	SCALE As Shown	
STS PROJECT NO.	FIGURE NO.	
200605948	B-05-0133	

September 10, 2007

On August 15, 2007, STS Consultants, Ltd. (STS) conducted a survey of suspected asbestos containing materials (ACM) at the structure located on the ramp at 41 northbound-43 southbound spanning United States Interstate Highway 43 in Brown County, Wisconsin (B-05-0133). Mr. Jeffrey S. Carlson, Wisconsin Asbestos Inspector Number AI-3420 conducted the survey. A gray gasket material located between the guard rail post base and the top of the parapet walls contains 2% chrysotile asbestos. The material is located on the east and west sides of the structure. The gray gasket material 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-05-0133 – 2A – 2C, gray gasket material, is located on the north and south sides of the structure between the guard rail post base and the top of the parapet wall of the structure contains 2% chrysotile asbestos. The guard rail gasket 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:

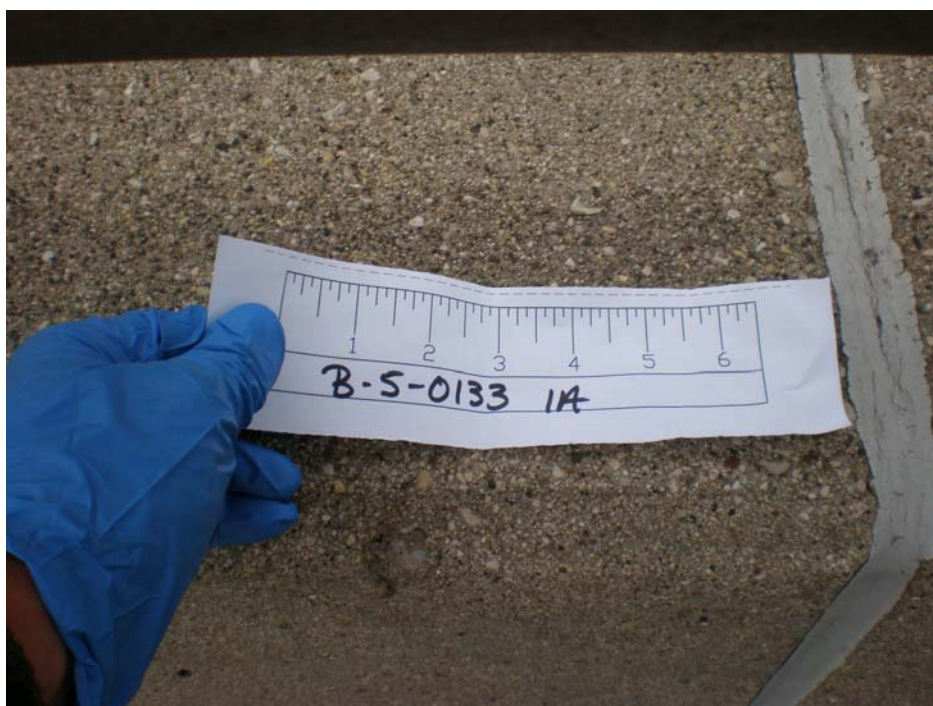
- B-05-0133 Report Table
- B-05-0133 Map
- B-05-0133 Survey Letter
- B-05-0133 General Plan
- B-05-0133 Photo Log
- B-05-0133 Bulk Asbestos Sample Analysis Summary



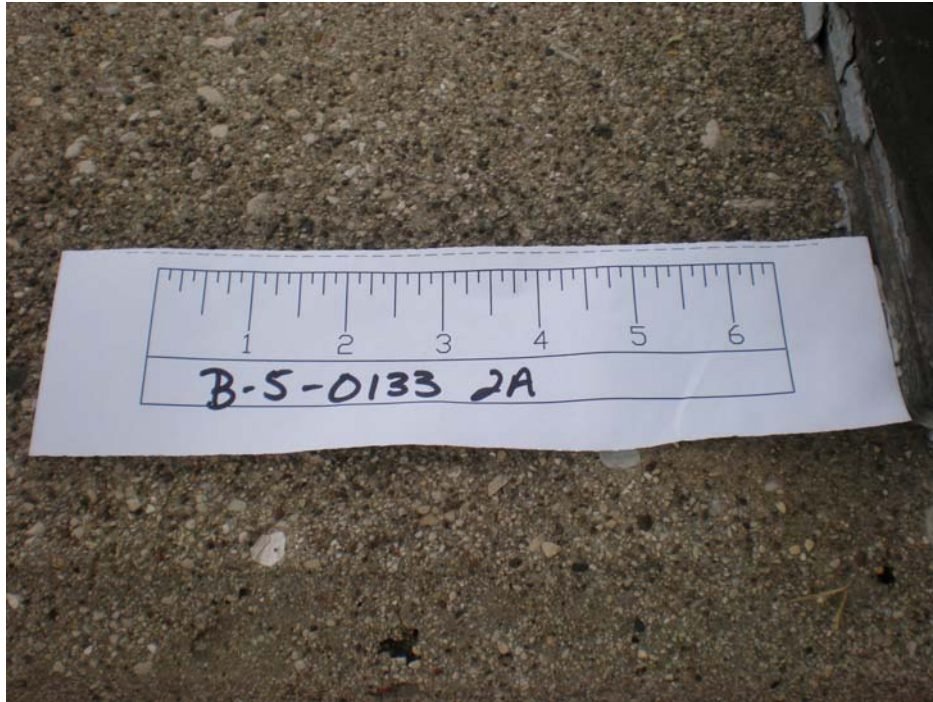




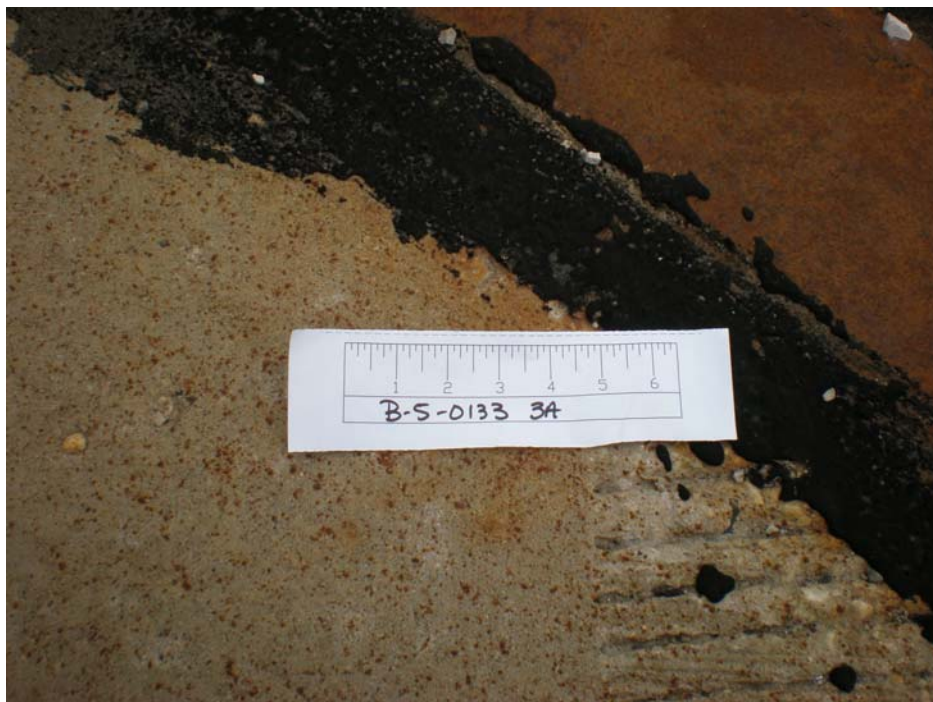
Structure B-05-0133 identification plate.



Gray caulk located on the parapet walls of Structure B-05-0133.

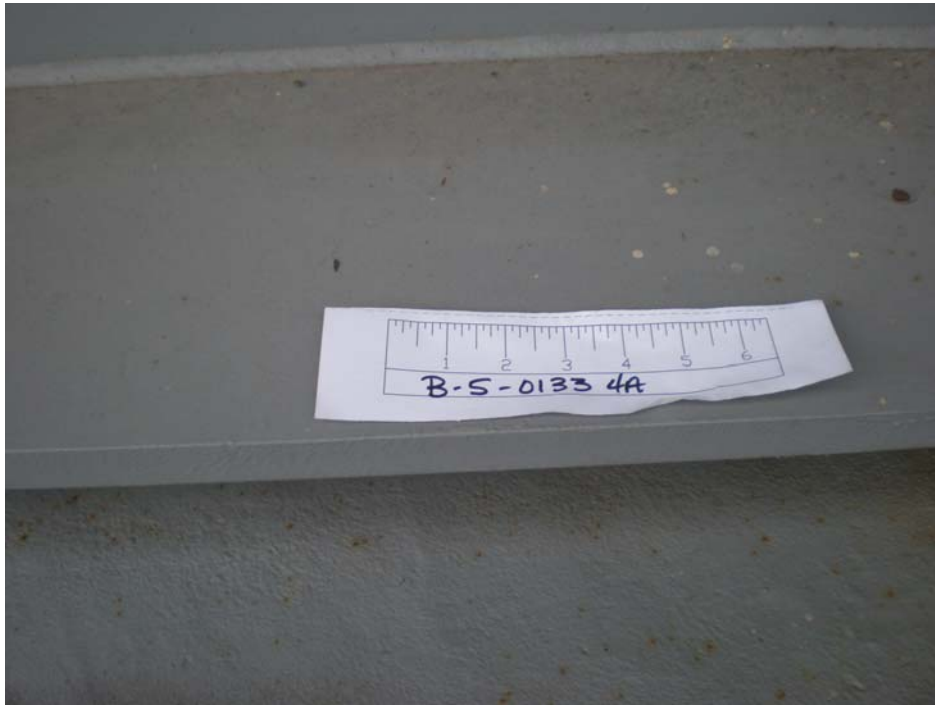


Guard rail base plate gasket material located on the parapet walls of Structure B-05-0133.



Black tar located on the deck of Structure B-05-0133.





Silver paint located on the underside of Structure B-05-0133.



Looking to the south at Structure B-05-0133.





Looking to the south at the east side of Structure B-05-0133.

# **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:** 16 Aug 2007  
**DATE OF ANALYSIS:** 16 Aug 2007  
**DATE OF REPORT:** 20 Aug 2007

**CLIENT NUMBER:** 51-3141 A  
**EHS PROJECT #:** 2007-08-1926  
**PROJECT:** 200605948

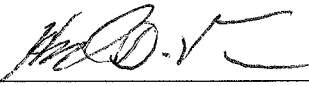
<b>EHS SAMPLE #</b>	<b>CLIENT SAMPLE #/ LABORATORY GROSS DESCRIPTION</b>	<b>% ASBESTOS</b>	<b>OTHER MATERIALS</b>
01	B-5-0133-1A/ Gray Vinyl-Like	NAD	100% Non-Fibrous
02	B-5-0133-1B/ Gray Vinyl-Like	NAD	100% Non-Fibrous
03	B-5-0133-1C/ Gray Vinyl-Like	NAD	100% Non-Fibrous
04	B-5-0133-2A/ Gray Chalky	2% Chrysotile 2% Total Asbestos	98% Non-Fibrous
05	B-5-0133-2B/	DID NOT ANALYZE	
06	B-5-0133-2C/	DID NOT ANALYZE	
07	B-5-0133-3A/ Black Tar-Like	NAD	100% Non-Fibrous
08	B-5-0133-3B/ Black Tar-Like	NAD	100% Non-Fibrous
09	B-5-0133-3C/ Black Tar-Like	NAD	100% Non-Fibrous
10	B-5-0133-4A/ Silver Paint-Like; Brittle	NAD	100% Non-Fibrous
11	B-5-0133-4B/ Silver Paint-Like; Brittle	NAD	100% Non-Fibrous
12	B-5-0133-4C/ Silver Paint-Like; Brittle	NAD	100% Non-Fibrous

# ENVIRONMENTAL HAZARDS SERVICES, L.L.C.

CLIENT NUMBER: 51-3141 A  
EHS PROJECT #: 2007-08-1928  
PROJECT: 200605948

QC SAMPLE: M11996-2  
QC BLANK: SRM 1866 Fiberglass  
REPORTING LIMIT: 1% Asbestos  
METHOD: Polarized Light Microscopy, EPA Method 600/R-93/116 \*  
ANALYST: Melissa Boggs Steiniger

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.

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**LEGEND** NAD = no asbestos detected  
SCF = suspected ceramic fibers

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plm1.dot/07MAR2006/REV2/ MR

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



12 plm

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

EHS 2007-08-1926

# CHAIN OF CUSTODY FORM

Company Name:	STS Consultants	Date:	8/15/07
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 <sup>2</sup> )	Soil	Wine * (See Note)	TCLP (Pb)	Waste Water	TCLP RCRA 8	Welding Fume	Toxic Metal Profile	Biocassette	Slide	Surface Swab	Surface Tape	Bulk	
B5-0133 1A	8/15	X																						gray chalk P. wall
1B																								
1C																								
2A																								
2B																								
2C																								Guard Rail Base Plate gasket
3A																								
3B																								
3C																								Black Tank - Deck

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

Released by:	Jeff Carlson	Signature:	Jeff Carlson	Date/Time:	8/15/07
Received by:	K. TYLER	Signature:	K. TYLER	Date/Time:	8/16/07 @ 10:00
Released by:		Signature:		Date/Time:	
Received by:		Signature:		Date/Time:	

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

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. #:

[illegible]