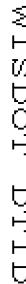
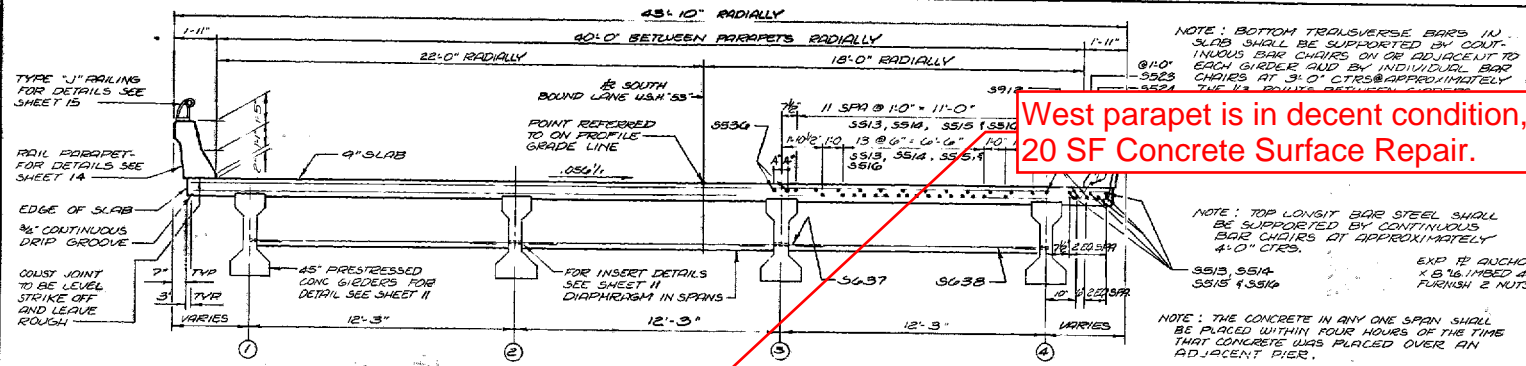


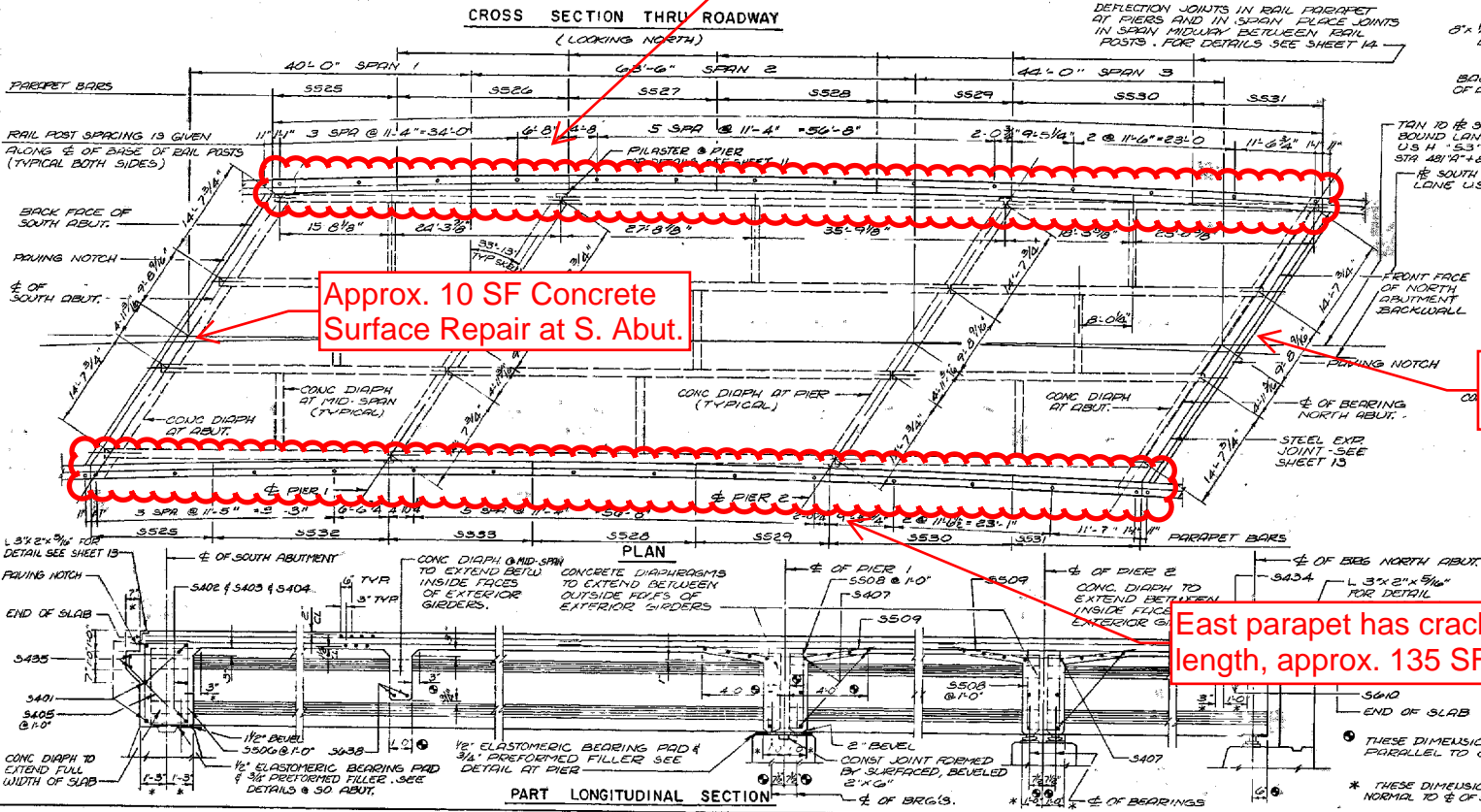
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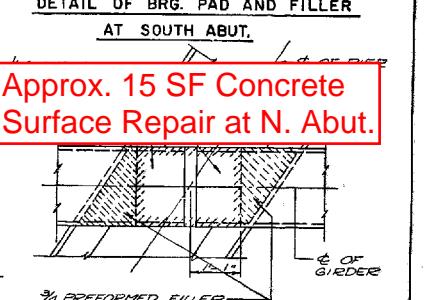
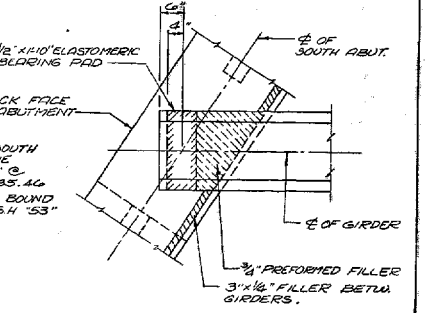
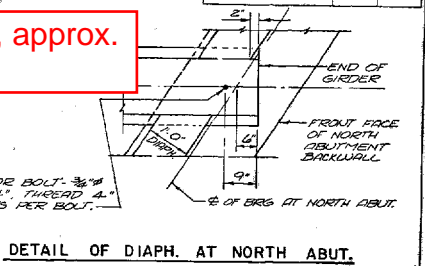
PROJECT NO.	196-4-73	SHEET NUMBER	138	OF SHEETS	413
FEDERAL PROJECT DESIGNATION					



West parapet is in decent condition, approx. 20 SF Concrete Surface Repair.



Approx. 10 SF Concrete Surface Repair at S. Abut.



Approx. 15 SF Concrete Surface Repair at N. Abut.

East parapet has crack at top nearly the full length, approx. 135 SF Concrete Surface Repair.

DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS			
STRUCTURE 8-3-26			
Const. Date	1969	Drawn By	A.G.
Project	KOH		
SUPERSTRUCTURE		SHEET 9 OF 15	
		X 46216	

# ASBESTOS REPORT



3159 VOYAGER DRIVE  
GREEN BAY, WI 54311  
920.455.8200 PHONE

## Bridge Asbestos Inspection Report

**WisDOT Project ID:** 1196-04-02  
**Structure Number:** B-03-026  
**Structure Name:** USH 53 SB over Knapp Street  
**City/County:** Town of Prairie Lake, Barron County, Wisconsin  
**GEI project Number:** 1901822  
**Date Inspected:** April 4, 2019  
**Inspected by:** Kyle C. Sandmire  
**Asbestos Inspector License Number:** All- 217616  
**Consultant Company:** GEI Consultants, Inc.

### Summary:

An asbestos inspection of Structure B-03-026 was conducted on April 4, 2019 by Kyle Sandmire, Asbestos Inspector License No. All-217616. Asbestos-containing material (ACM) **IS** present on this structure.

The inspection to identify and collect samples of potential asbestos-containing material (ACM) was completed following WisDOT standard sampling procedures for bridge inspections found in FDM 21-35-45. The ACM was detected in the gray caulk between the bridge deck wall joints and the joints between the bridge deck and abutments.

Asbestos-containing material has been found in Structure B-03-026. Standard Special Provision 203-005 shall be included in the plans and abatement will be required. The contractor will be responsible for completion of the Notification of Demolition and/or Renovation (DNR form 4500-113) if required. A copy of the inspection report is available from the region office.

Sample #	Sample Description	Sample Location	Method and Analytical Results	Category I or II non-friable or No ACM	Total Amount of Material on Structure
B-03-026-1A	Silver paint	On steel plates between the bridge spans and the rubber gaskets on the north abutment	PLM, non-detect	No ACM	N/A
B-03-026-1B	Silver paint	On steel plates between the bridge spans and the rubber gaskets on the north abutment	PLM, non-detect	No ACM	N/A

B-03-026-1C	Silver paint	On steel plates between the bridge spans and the rubber gaskets on the north abutment	PLM, non-detect	No ACM	N/A
B-03-026-2A	Gray caulk	Bridge spans and rubber gaskets on the northern abutment	PLM, non-detect	No ACM	N/A
B-03-026-2B	Gray caulk	Bridge spans and rubber gaskets on the northern abutment	PLM, non-detect	No ACM	N/A
B-03-026-2C	Gray caulk	Bridge spans and rubber gaskets on the northern abutment	PLM, non-detect	No ACM	N/A
B-03-026-3A	Gasket material	Between bridge deck and abutments	PLM, non-detect	No ACM	N/A
B-03-026-3B	Gasket material	Between bridge deck and abutments	PLM, non-detect	No ACM	N/A
B-03-026-3C	Gasket material	Between bridge deck and abutments	PLM, non-detect	No ACM	N/A
B-03-026-4A	Gray caulk	Bridge deck wall joints and joints between bridge deck and abutments	PLM, 2% Chrysotile Asbestos	Category II Non-friable	50 LF
B-03-026-4B	Gray caulk	Bridge deck wall joints and joints between bridge deck and abutments	Not Tested – Positive Stop	See 4A	See 4A
B-03-026-4C	Gray caulk	Bridge deck wall joints and joints between bridge deck and abutments	Not Tested – Positive Stop	See 4A	See 4A

If you have any questions, please contact us at (920) 455-8200.

GEI CONSULTANTS, INC.



Kyle C. Sandmire  
Environmental Scientist



Paul M. Garvey  
Senior Scientist

Attachments:

B-03-026 Report Table

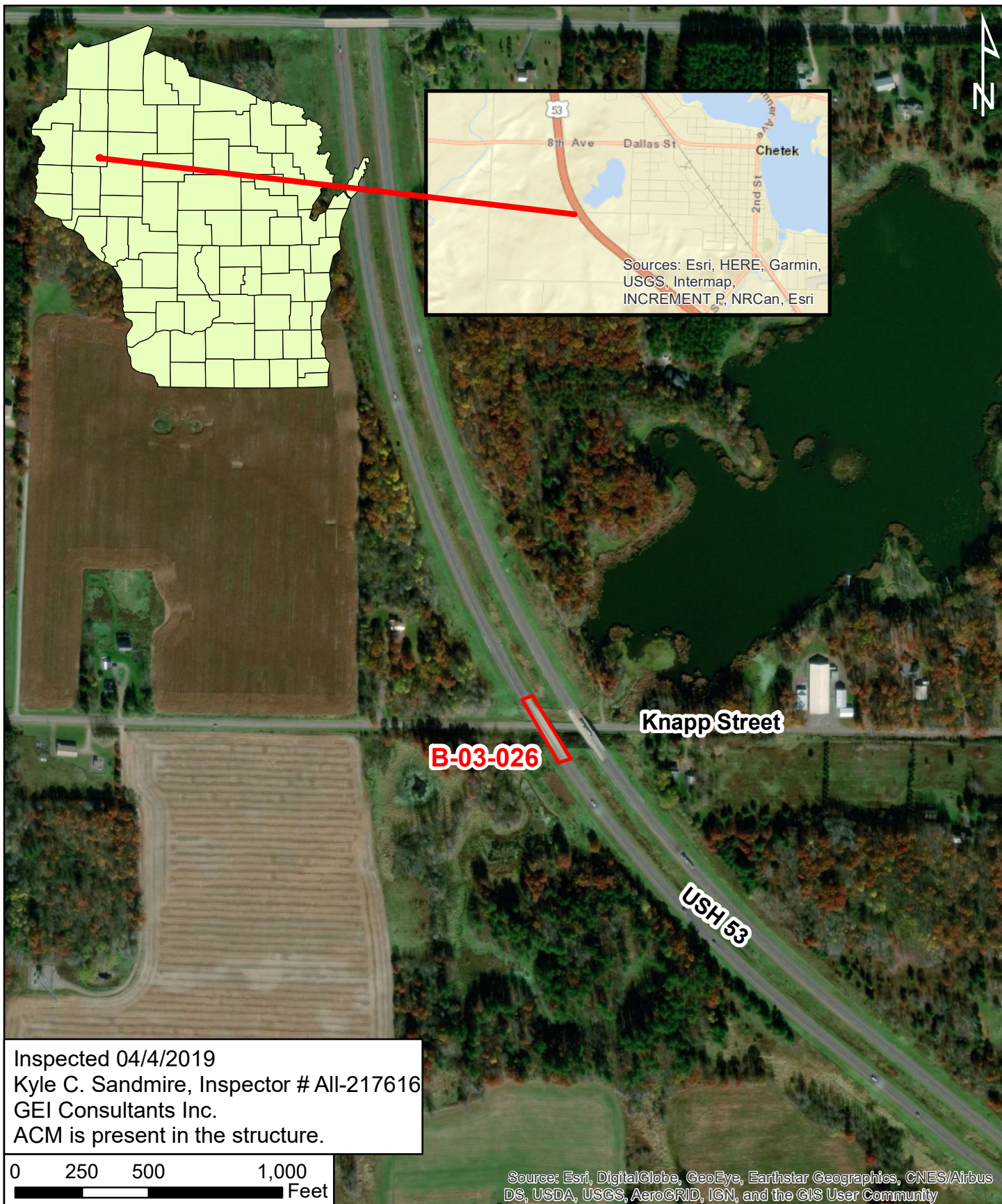
B-03-026 Map

B-03-026 Photo Log

B-03-026 Bulk Asbestos Sample Analysis Summary

B-03-026 Bulk Asbestos Sample Chain of Custody





Inspected 04/4/2019  
 Kyle C. Sandmire, Inspector # All-217616  
 GEI Consultants Inc.  
 ACM is present in the structure.

0 250 500 1,000  
 Feet

Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community



3159 Voyager Drive  
 Green Bay, WI 54311  
 920.455.8200

WisDOT Project 1196-04-02  
 Structure B-03-026  
 USH 53 (SB)  
 over Knapp Street  
 Barron County

DESIGNED BY	KCS	4/10/2019
DRAWN BY	KCS	4/10/2019
APPROVED BY	PMG	4/10/2019
SCALE	1 inch = 500 feet	
FIGURE NO.	B-03-026	




## PHOTOGRAPHIC LOG

<b>PHOTOGRAPH NO: 1</b>	
<b>DIRECTION: S</b>	
<b>DESCRIPTION:</b>  Looking south at B-03-026.	

<b>PHOTOGRAPH NO: 2</b>	
<b>DIRECTION: E</b>	
<b>DESCRIPTION:</b>  Looking east at B-03-026.	



<b>PHOTOGRAPH NO: 3</b>	
<b>DIRECTION: SW</b>	
<b>DESCRIPTION:</b>  View of the bridge identification plate.	

<b>PHOTOGRAPH NO: 4</b>	
<b>DIRECTION: NE</b>	
<b>DESCRIPTION:</b>  View of the silver paint on the steel plates between the north bridge deck and abutment. The silver paint is not ACM.	



<b>PHOTOGRAPH NO: 5</b>	
<b>DIRECTION: E</b>	
<b>DESCRIPTION:</b>  View of the gray caulk between the concrete spans and the rubber gaskets on the northern abutment. The gray caulk is not ACM.	

<b>PHOTOGRAPH NO: 6</b>	
<b>DIRECTION: SE</b>	
<b>DESCRIPTION:</b>  View of the gasket material between the bridge deck and abutment. The gasket material is not ACM.	



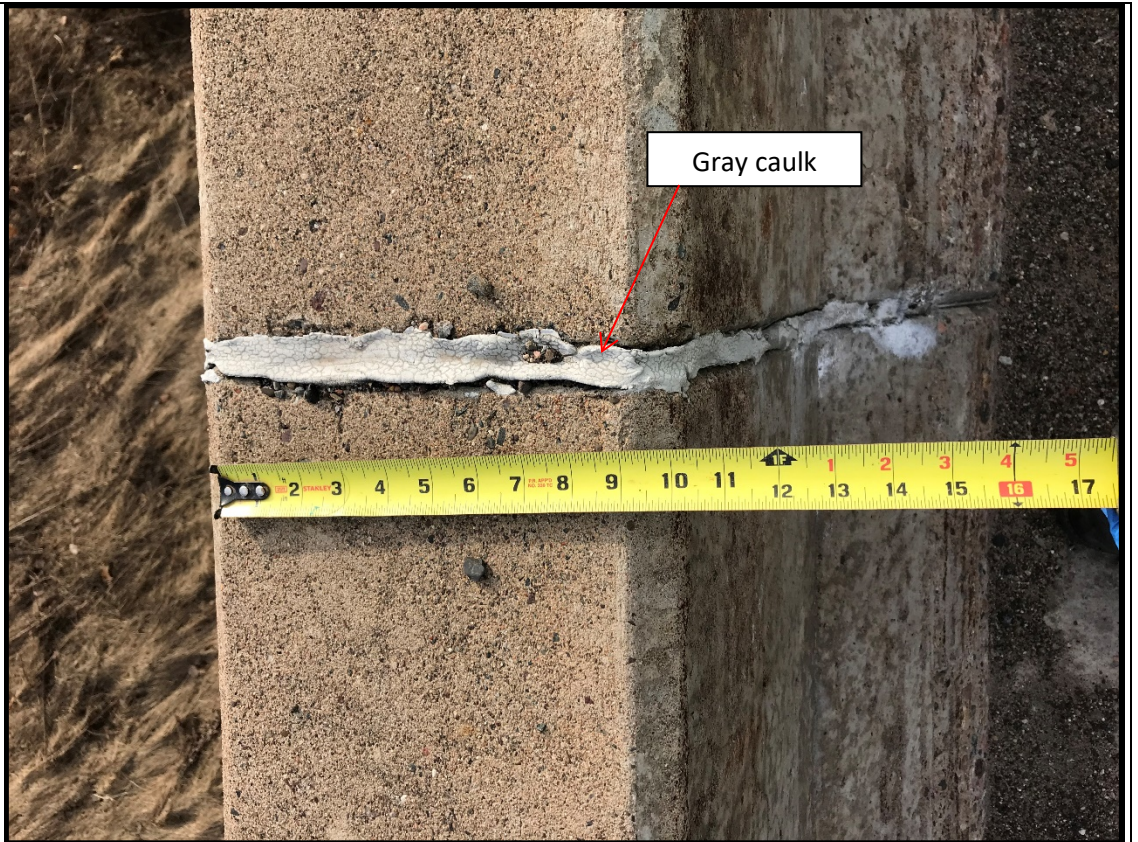
**PHOTOGRAPH NO: 7**

**DIRECTION:** Down

**DESCRIPTION:**

View of the gray caulk on the bridge wall joints and abutment joints.

**The gray caulk is non-friable ACM containing 2% Chrysotile asbestos.**





Environmental Hazards Services, L.L.C.

7469 Whitepine Rd

Richmond, VA 23237

Telephone: 800.347.4010

## Asbestos Bulk Analysis Report

Report Number: 19-04-02063

Client: GEI Consultants Inc  
3159 Voyager Dr.  
Green Bay, WI 54311

Received Date: 04/12/2019

Analyzed Date: 04/16/2019

Reported Date: 04/17/2019

Project/Test Address: B-03-026; USH 53 SB Over Knapp Street; Town of Prairie Lake, WI

Client Number:

200598

Fax Number:

# Laboratory Results

Lab Sample Number	Client Sample Number	Layer Type	Lab Gross Description	Asbestos	Other Materials
19-04-02063-001	B-3-26-1A		Silver/Red Paint-Like; Gray Hard Pliable; Inhomogeneous	NAD	100% Non-Fibrous
19-04-02063-002	B-3-26-1B		Silver/Red Paint-Like; Gray Hard Pliable; Inhomogeneous	NAD	100% Non-Fibrous
19-04-02063-003	B-3-26-1C		Silver/Red Paint-Like; Gray Hard Pliable; Inhomogeneous	NAD	100% Non-Fibrous
19-04-02063-004A	B-3-26-2A	Caulk I	Black Pliable; Homogeneous	NAD	100% Non-Fibrous
19-04-02063-004B	B-3-26-2A	Caulk II	Gray Hard Pliable; Homogeneous	NAD	100% Non-Fibrous



# Environmental Hazards Services, L.L.C

Client Number: 200598

Report Number: 19-04-02063

Project/Test Address: B-03-026; USH 53 SB Over Knapp Street;  
Town of Prairie Lake, WI

Lab Sample Number	Client Sample Number	Layer Type	Lab Gross Description	Asbestos	Other Materials
19-04-02063-005A	B-3-26-2B	Caulk I	Black Pliable; Homogeneous	NAD	100% Non-Fibrous
19-04-02063-005B	B-3-26-2B	Caulk II	Gray Hard Pliable; Homogeneous	NAD	100% Non-Fibrous
19-04-02063-006	B-3-26-2C		Silver/Red Paint-Like; Gray Hard Pliable; Inhomogeneous	NAD	100% Non-Fibrous
19-04-02063-007	B-3-26-3A		Brown Foam-Like; Homogeneous	NAD	100% Non-Fibrous
19-04-02063-008	B-3-26-3B		Brown Foam-Like; Homogeneous	NAD	100% Non-Fibrous
19-04-02063-009	B-3-26-3C		Brown Foam-Like; Homogeneous	NAD	100% Non-Fibrous
19-04-02063-010	B-3-26-4A		Gray Paint-Like; Gray Pliable; Inhomogeneous	2% Chrysotile	98% Non-Fibrous
				Total Asbestos: 2%	
Chrysotile present throughout sample.					
19-04-02063-011	B-3-26-4B			Did Not Analyze (Positive Stop)	

## Environmental Hazards Services, L.L.C

Client Number: 200598

Report Number: 19-04-02063

Project/Test Address: B-03-026; USH 53 SB Over Knapp Street;  
Town of Prairie Lake, WI

Lab Sample Number	Client Sample Number	Layer Type	Lab Gross Description	Asbestos	Other Materials
19-04-02063-012	B-3-26-4C			Did Not Analyze (Positive Stop)	

QC Sample: 27-M12009-3

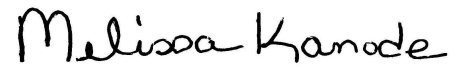
QC Blank: SRM 1866 Fiberglass

Reporting Limit: 1% Asbestos

Method: EPA Method 600/R-93/116, EPA Method 600/M4-82-020

Analyst: Keleigh King

Reviewed By Authorized Signatory:



Missy Kanode

QA/QC Clerk

The condition of the samples analyzed was acceptable upon receipt per laboratory protocol unless otherwise noted on this report. Each distinct component in an inhomogeneous sample was analyzed separately and reported as a composite. 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 the Environmental Hazards Service, L.L.C. California Certification #2319 NY ELAP #11714 NVLAP #101882-0 VELAP 460172. 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 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.

400 Point Count Analysis, where noted, performed per EPA Method 600/R-93/116 with a Reporting Limit of 0.25%.

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

LEGEND: NAD = no asbestos detected



**EHS**  
**Laboratories**

Environmental Hazards Services, LLC

## Asbestos Chain-of-Custody Form

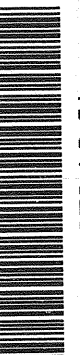
SHIP TO: 7469 Whitepine Rd. Richmond, VA 23237

Phone: (800) 347-4010 FAX: (804) 275-4907

ONLINE CLIENT PORTAL AVAILABLE FOR ANALYSIS RESULTS AT:

www.leadlab.com

19-04-02063



Due Date:

04/17/2019

(Wednesday)

AE

Company Name: GFI Consultants, Inc. Account Number: 1901822

Address: 3159 Voyager Drive City/State/zip: Green Bay, WI 54311

Phone #: 920-241-2725 Email: ksandvine@gficonsultants.com Fax: 920-455-8225

Project Name / Testing Address: B-03-026 USH 53 sb over Knapp Street City/State (Required): Town of Prairie Lake, WI

Collected by: Kyle C. Sandvine, GFI, 217616 P.O. # 1901822

TURN AROUND TIMES: IF NO TAT IS SPECIFIED, SAMPLE(S) WILL BE PROCESSED AND CHARGED AS 3 - DAY TAT.

No.	Client Sample ID	HA Area #	Collection Date	Time	PLM	PLM Point Count 400	PLM Point Count 1000	PLM NY Protocol	TEM - Bulk	Comments
1	B-3-26-14 thru 1c		4/4/2019	9:00 AM / PM	X					Silver paint
2	B-3-26-2A thru 2C		4/4/2019	9:00 AM / PM	X					Gray caulk
3	B-3-26-3A thru 3C		4/4/2019	9:00 AM / PM	X					Cork gasket
4	B-3-26-4A thru 4C		4/4/2019	9:00 AM / PM	X					Gray caulk
5				AM / PM						
6				AM / PM						
7				AM / PM						
8				AM / PM						
9				AM / PM						
10				AM / PM						

Released by: Kyle C. Sandvine Signature: [Signature] Date/Time: 4/9/2019 8:00

Received by: [Signature] Signature: [Signature] Date/Time: 4/19/2019 2:42 PM

# BRIDGE INSPECTION REPORT





STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION

Inspection Report for  
B-03-026

USH 53 SB-KNAPP ST over KNAPP ST  
Sep 12, 2017



Type	Prior	Frequency (mos)	Performed
Routine	06-09-17	24	
Interim		0	X
SIA Review	06-09-17	48	

Latitude 45°18'52.98"N  
Longitude 91°40'39.45"W

Owner STATE HIGHWAY DEPT  
Maintainer STATE HIGHWAY DEPT

Time Log

Team members

Hours	Minutes	
0	45	Wjk

Inspector	Name	Number	Signature	Date
	Kovaleski, William J	8007	<i>William J Kovaleski</i> E-signed by Bill(dotwjk)	09-19-17

**BRIDGE INSPECTION REPORT**  
**Wisconsin Department of Transportation**  
**DT2007 2003 s.84.17 Wis. Stats.**

page 2

**Identification & Location**

Feature On: USH 53 SB-KNAPP ST	Section Town Range: S25 T33N R11W	Structure Number: <b>B-03-026</b>
Feature Under: KNAPP ST	County: BARRON	
Location 7.4M S JCT USH 8 TO E	Municipality: PRAIRIE LAKE	Structure Name:

**Geometry**

measurements in feet, except where noted

Approach Roadway Width: 40	Bridge Roadway Width: 40.0	Total Length: 151.7
Approach Pavement Width: 24	Deck Width: 43.8	Deck Area (sq ft): 6644

**Traffic**

	Lanes	ADT	ADT year	Traffic Pattern
On	2	5550	2014	ONE WAY TRAFFIC
Under	2	2500	2008	TWO WAY TRAFFIC

**Capacity**

**Load Rating**

Inventory rating: HS15	Overburden depth (in): 3.0	Last rating date: 08-15-13	Controlling: INTERIOR DECK GIRDER Negative Moment
Operating rating: HS23	Deck surface material: INTEGRAL CONCRETE	Re-rate for capacity (Y/N):	Control location: SPAN 2
Posting:	Re-rate notes:		

**Hydraulic**

**Classification**

Scour Critical Code(113): (N) NO WATERWAY	Q100 (ft3/sec): 0	
High water elevation (ft): 0.0	Velocity (ft/sec): 0.0	Sufficiency #: 92.2

**Span(s)**

Span #	Material	Configuration	Depth (in)	Length (ft)	Main
1	CONT PREST CONC	DECK GIRDER	45	40.0	
2	CONT PREST CONC	DECK GIRDER	45	63.5	Y
3	CONT PREST CONC	DECK GIRDER	45	44.0	

**Expansion joint(s)**

**Temperature:**

File:	New:
-------	------

**Clearance**

Item	File Measurement (ft)	File Date	New Measurement (ft)
Highway Min Vertical Under Cardinal	16.17		
Highway Min Vertical Under Non-Cardinal			
Horizontal Under Cardinal	50.5		
Horizontal Under Non-Cardinal			
Highway Min Vertical On Cardinal			
Horizontal On Cardinal			

**Special Components**

Component	Year	Work Performed	Note
DECK - IOWA MIX	1994	OVERLAY - CONCRETE	

**Construction History**

Year	Work Performed	FOS id
1994	OVERLAY - CONCRETE	1190-20-60
1972	NEW STRUCTURE	1196-04-72

**BRIDGE INSPECTION REPORT**  
**Wisconsin Department of Transportation**  
**DT2007 2003 s.84.17 Wis. Stats.**

page 3

Structure No.: **B-03-026**

**Maintenance Items History**

Item	Recommended by	Status	Status change	Year completed
<b>Approach - Other Work</b>	Kurtz, William G (8008)	COMPLETE	09/19/17	2017
Fill void underneath SE WWALL & S APPR.				
<b>Expansion Joints - Repair</b>	Kurtz, William G (8008)	COMPLETE	09/19/17	2017
Repair N JT (4LF) and header damage SPL (6LF).				
<b>Misc - Wash Bridge</b>	Kurtz, William G (8008)	REJECTED	09/08/17	
<b>Approach - Seal Approach to Paving Block</b>	Harrington, Daniel J (8004)	REJECTED	03/02/15	
repour joint at end of deck 52 LF.				
<b>Substructure - Repair Abutment / Wings</b>	Harrington, Daniel J (8004)	REJECTED	03/02/15	
repair backwall behind expansion on deck. N abut. 20 SF				
<b>Expansion Joints - Repair</b>	Harrington, Daniel J (8004)	COMPLETE	01/15/13	
repair expansion joint extrusion sb lane				

**Maintenance Items**

Item	Priority	Recommended by	Status	Status change
<b>Substructure - Repair Abutment / Wings</b>	HIGH	Kurtz, William G (8008)	IDENTIFIED	06/29/15
Repair CS3 CRK (1LF) & SPL (7LF) on ABUT.				
<b>Misc - Other Work</b>	HIGH	Kurtz, William G (8008)	IDENTIFIED	06/29/15
Replace pourable joint seal S JT (52LF).				
<b>Substructure - Other Work</b>	LOW	Kurtz, William G (8008)	IDENTIFIED	06/29/15
Seal columns.				
<b>Deck - Repair Railing</b>	LOW	Kurtz, William G (8008)	IDENTIFIED	06/29/15
Repair SPL (70LF) on RAILS.				

**Elements**

Chk	Element	Defect	Description	UOM	Total	Quantity in Condition State			
						1	2	3	4
	<b>12</b>		<b>Reinforced Concrete Deck</b>	SF	6,644	6,572	72	0	0
		1080	Delamination - Spall - Patched Area See 2015 notes.	SF		0	4	0	0
		1130	Cracking (RC) See 2015 notes.	SF		0	68	0	0
	8514		Concrete Overlay 0.23% Delam in 1996, isolated to passing lane. Random map cracking is extensive.	SF	6,644	0	6,644	0	0
		3210	Debonding/Spall/Patched Area/Pothole DELAM 1%	SF		0	67	0	0
		3220	Crack (Wearing Surface) Hrline map cracking throughout - all w/ approx. 50% CS3 - east half worse.	SF		0	6,577	0	0

**BRIDGE INSPECTION REPORT**  
**Wisconsin Department of Transportation**  
**DT2007 2003 s.84.17 Wis. Stats.**

page 4

Structure No.: **B-03-026**

	109		Prestressed Concrete Open Girder	LF	600	600	0	0	0
	205		Reinforced Concrete Column	EA	6	6	0	0	0
	215		Reinforced Concrete Abutment	LF	98	72	18	8	0
			N abut. cracks bay 1, and under G1, bay 2, horizontal cracks bay 3 to under G4 8". South abutment cracks Bay 3. Cracks have heavy eff. under G4 G5 G1 bearings dry 2013.						
		1080	Delamination - Spall - Patched Area	LF		0	4	7	0
			See 2015 notes.						
		1130	Cracking (RC)	LF		0	14	1	0
			See 2015 notes.						
	234		Reinforced Concrete Cap	LF	91	91	0	0	0
X	300		Strip Seal Expansion Joint	LF	52	46	0	6	0
			OLD: Three feet of extrusion broken in the passing lane. Broken into two pieces that are still there. same 2009 with tear in gland below. Same 2011. repaired fall 2012 good condition 2013.						
		2360	Adjacent Deck or Header Damage	LF		0	0	6	0
			North damage/spall.						
X	301		Pourable Joint Seal	LF	52	0	0	52	0
		2310	Leakage, Seal Adhesion, Damage, Cracking	LF		0	0	52	0
			Filled mostly with chip seal and asphalt wedge on east side.						
	310		Elastomeric Bearing	EA	4	4	0	0	0
	331		Reinforced Concrete Bridge Rail	LF	301	0	211	90	0
			east parapet S. end 30 lf spalled with exposed rebar.						
		1080	Delamination - Spall - Patched Area	LF		0	2	70	0
			W RAIL SPL CS2 2LF. E RAIL SPL CS3 70LF.						
		1130	Cracking (RC)	LF		0	209	20	0
			Hrline to CS3 horizontal cracks w/ some staining - begin delam						
	8400		Integral Wingwall	EA	4	1	3	0	0
			SW out 3/4"						
		8902	Wall Movement	EA		0	2	0	0
			NW 1/2" IN   0" DOWN. SE 0" OUT   3/4" DOWN						
		8903	Wall Deterioration	EA		0	1	0	0
			SW CS2 1EA.						



**BRIDGE INSPECTION REPORT**  
**Wisconsin Department of Transportation**  
**DT2007 2003 s.84.17 Wis. Stats.**

page 5

Structure No.: **B-03-026**

**Assessments**

Chk	Element	Defect	Description	UOM	Total	Quantity in Condition State			
						1	2	3	4
X	9001		<b>Drainage - Ends of Structure</b>	EA	4	3	1	0	0
			<b>See approach notes for work on SE shoulder slab.</b>						
	9030		<b>Signs - Object Markers</b>	EA	2	2	0	0	0
	9040		<b>Slope Protection- Asphaltic</b>	EA	2	2	0	0	0
	9168		<b>Concrete Diaphragm</b> P1 BAY1 SPL CS3.	EA	15	14	0	1	0
X	9322		<b>Approach Roadway - Concrete (non-structural)</b>	EA	2	0	2	0	0
			<b>NE and SE shoulder slabs were grout pumped to fill voids underneath. NE was wedged back to end of wing. SE edge was wedged to divert water to flume. OLD: Both North slabs broken but level. SE undermined @ wing. North slabs moving 2013. N APPR CRK &amp; DAMAGE AT JT CS3. S APPR VOID UNDERNEATH CS4.</b>						

**NBI Ratings**

	File	New
Deck	6	6
Superstructure	7	7
Substructure	7	7
Culvert	N	N
Channel	N	N
Waterway	N	N

**Structure Specific Notes**

<b>9/12/17 Intrm: See approach assessment for work completed - asphalt wedging and grouting voids under SE and NE approach slabs.</b>
OLD: Passing lane shows random map cracking. Epoxied 5/96 **1/15/97*** Overall cond of struct is v.g. Conc wearing surface, North abut, caps, 6 columns, PS girders are very good. South abut has minor <b>problem with vertical cracks/leaking. Leaking at southeast corner parapit connection. Delam 0.25%- 1996.</b>
<b>(99) Cleaned drain 99 seems to have solved problem with water leaking SE corner abutmen is now dry.</b>
<b>(01) Structure is in very good condition. Several cracks on N abut. should be monitored. Parapet east side has spalls with rebar exposed 14' at S end. Approach slabs good. slopes have dried out and loose aggregate.</b>

**Inspection Specific Notes**

<b>Approach work in only.</b>
-------------------------------

**Inspector Site-Specific Safety Considerations**

--

**Structure Inspection Procedures**

Walk-thru
-----------

**Special Requirements**

Chk	Hours	Cost	Comments
-----	-------	------	----------

**Interim  
Document Comment/Description**

SE approach. Void under shoulder filled and asphalt "flume" along wing to direct to concrete flume.





**Interim  
Document Comment/Description**

Ne approach shoulder.



BRIDGE DECK  
REPAIR QUANTITIES



12/6/2018

Ken,

Here's a summary of our new direction for the Barron County project. Wing replacements are still in the project and Al Bjorklund wants the joints replaced on the overlays.

I've also included Al's estimated quantities for deck repairs. I would like to have another conference call with Al to discuss this change in scope, let me know if you agree and we'll try to set up a time.

I'm guessing we'll need to amend your design contract.

Let me know if you have questions.

Thanks,

Brendan

1196-04-77

USH 53 (Chippewa Co Line - CTH I NB)

RSRF20

- Change SFY from 2021 to 2023
- Add ADV SFY of 2021
- Change estimate from \$14.460 M to \$12.0 M to reflect BOS-recommended bridge scope changes (see below)
- Update bridge information in FIIPS to reflect BOS-recommended bridge scope changes

**1196-04-77:**

Current FIIPS Estimate w/o delivery: 14,460,000

New FIIPS Estimate w/o delivery including BOS changes: 12,000,000

Structure Work including: Conc overlays on B-3-14,20,24,30; Conc Overlays and Joints on B-3-26, 37; Re-decks on B-3-16,18 plus any other incidental structure work.

Here are Al's guesses on deck repair quantities, [Type 1\(SY\)](#)-[Type 2\(SY\)](#)-[Full Depth\(SY\)](#)

1) 1196-04-77 (USH 53, Chippewa County Line – USH 8 SB) 2021 RSRF20 \$14.460 M

- B-03-14 (03) CONC OVLY [70-35-2](#)
- B-03-16 (06) REPLACE DECK
- B-03-18 (06) REPLACE DECK
- B-03-20 (03) CONC OVLY [100-50-15](#)
- B-03-24 (03) CONC OVLY [30-15-5](#)
- B-03-26 (58) CONC OVLY/NEW JOINTS [20-10-1](#)
- B-03-30 (03) CONC OVLY [125-60-10](#)
- B-03-37 (58) CONC OVLY/NEW JOINTS [95-45-5](#)