Bureau of Structures On-Time Submittal Improvement Form

Structure ID:	*B-16-0038*
PSE Date:	*01-02-2025*
On-Time submittal date:	*12-01-2024*
Date E-submitted:	*12/19/2024*
Design Consultant Firm:	KL Engineering
Engineer of Record:	Shelly Harris
Engineer of Record Phone:	(715) 309-5224
WisDOT Project Manager:	Philip Keppers
Project Manager Phone:	(715) 395-3027

Submit this form when either situation occurs:

- If the first version of final plans are submitted after 2 months prior to PSE date.
- If any subsequent version of final plans are submitted after 2 months prior to PSE date. However, this form is not required when the re-submit is prompted by comments from the Consultant Review Unit of the Bureau of Structures.

This form is collected to determine the reasons for which final structure plan submittals are submitted less than 2 months before PS&E date. Please provide:

- **A detailed explanation of why this plan was submitted less than 2 months before PS&E date.**
- **An explanation of what could have been done differently to achieve a completed design that was submitted with the required two-month window prior to PSE.**

A good example of a detailed explanation/resolution is shown below.

2 weeks prior to draft PSE a meeting occurred with MnDOT concerning the light pole anchor assemblies and rebar for the parapets. They provided guidance and we submitted revisions to their Fabrication Methods Unit. Review comments were received 12/9/2024, 1 week after draft PSE. The design contract indicated use of existing plans and standard details for the parapet replacements at the light pole locations. Current standard details were not applicable to the situation where the split parapets occurred and MnDOT requested special analysis of these locations. The required extra effort for the anchor assemblies was not anticipated by our design team.

This delay may have been avoided by reaching out to MnDOT sooner and communicating the importance of this detail. Improved and more proactive communication may have helped to avoid this delay.

GEI Consultants
3159 Voyager Drive
Green Bay, WI 54311
920.455.8200 Phone

Bridge Asbestos Inspection Report

WisDOT Project ID: 8680-00-04
Structure Number: B-16-0038 (center span section ID)
Structure Name: Bong Bridge (USH 2) over St. Louis River
City/County: C-Superior, Douglas County, Wisconsin; C-Duluth, St. Louis County, Minnesota
GEI project Number: 2403919
Date Inspected: August 5, 2024
Inspected by: Madison I. Seymour and Paul M. Garvey
Asbestos Inspector License Number: All-294284 and AII-117079
Consultant Company: GEI Consultants, Inc.

Summary:

An asbestos inspection of Structure B-18-173 was conducted on February 29, 2024, by Madison Seymour, Asbestos Inspector License No. AII-294284 and Paul Garvey, Asbestos Inspector License No. AII-117079. Presumed asbestos-containing material (PACM) **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. Approximately sixty (60) mercury vapor lights were observed affixed to light pole structures on the center parapet wall between traffic lanes. The lighting components (including electrical boxes) were not sampled as the fixtures were energized. Some light fixture poles were missing on the Minnesota side due to wind blow down. Because there is a likelihood that the fixtures and ballasts may contain asbestos components such as gasket material or phenolic resin, the fixtures are presumed ACM. If the fixtures are to be disturbed during renovation activities, they should be managed under the Statewide Hazardous Waste Services contract which includes lamp and ballast disposal. The fixtures and ballasts will not require an asbestos abatement contractor with proper management.

No additional asbestos-containing material has been found in the Structure. STSP 107-127 shall be included with the plans for renovation/repairs. 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, Friable, or No ACM	Total Amount of Material on Structure
Not sampled (energized) – Presumed ACM	Light fixtures, ballasts & electrical boxes – presumed ACM components	Light poles mounted on center parapet between traffic lanes.	Did not sample – system was energized	Category II non-friable	Approximately 60 light fixtures with ballasts and electrical boxes
B-16-38-1A	Brown paint with gray undercoat	Steel girder system	PLM, non-detect	No ACM	N/A
B-16-38-1B	Brown paint with gray undercoat	Steel girder system	PLM, non-detect	No ACM	N/A
B-16-38-1C	Brown paint with gray undercoat	Steel girder system	PLM, non-detect	No ACM	N/A
B-16-38-2A	Blue paint system	On steel arch and some girders	PLM, non-detect	No ACM	N/A
B-16-38-2B	Blue paint system	On steel arch and some girders	PLM, non-detect	No ACM	N/A
B-16-38-2C	Blue paint system	On steel arch and some girders	PLM, non-detect	No ACM	N/A
B-16-38-3A	Tan paint system	Steel arch interiors	PLM, non-detect	No ACM	N/A
B-16-38-3B	Tan paint system	Steel arch interiors	PLM, non-detect	No ACM	N/A
B-16-38-3C	Tan paint system	Steel arch interiors	PLM, non-detect	No ACM	N/A
B-16-38-4A	White caulk	Full guardrail base plates on pier top and topside walkway	PLM, non-detect	No ACM	N/A
B-16-38-4B	White caulk	Full guardrail base plates on pier top and topside walkway	PLM, non-detect	No ACM	N/A
B-16-38-4C	White caulk	Full guardrail base plates on pier top and topside walkway	PLM, non-detect	No ACM	N/A

B-16-38-5A	Gray caulk	Parapet wall joints and non-walkway guardrail base plates	PLM, non-detect	No ACM	N/A
B-16-38-5B	Gray caulk	Parapet wall joints and non-walkway guardrail base plates	PLM, non-detect	No ACM	N/A
B-16-38-5C	Gray caulk	Parapet wall joints and non-walkway guardrail base plates	PLM, non-detect	No ACM	N/A
B-16-38-6A	White caulk	Baseplates of inside guardrail	PLM, non-detect	No ACM	N/A
B-16-38-6B	White caulk	Baseplates of inside guardrail	PLM, non-detect	No ACM	N/A
B-16-38-6C	White caulk	Baseplates of inside guardrail	PLM, non-detect	No ACM	N/A
B-16-38-7A	Tan paint system	Parapet inside wall and deck	PLM, non-detect	No ACM	N/A
B-16-38-7B	Tan paint system	Parapet inside wall and deck	PLM, non-detect	No ACM	N/A
B-16-38-7C	Tan paint system	Parapet inside wall and deck	PLM, non-detect	No ACM	N/A
B-16-38-8A	Tan caulk-like gasket	Small guardrail's base plate bolts (non-walkway side)	PLM, non-detect	No ACM	N/A
B-16-38-8B	Tan caulk-like gasket	Small guardrail's base plate bolts (non-walkway side)	PLM, non-detect	No ACM	N/A
B-16-38-8C	Tan caulk-like gasket	Small guardrail's base plate bolts (non-walkway side)	PLM, non-detect	No ACM	N/A
B-16-38-9A	Residual gray caulk	Former light pole base areas on Wisconsin approach	PLM, non-detect	No ACM	N/A
B-16-38-9B	Residual gray caulk	Former light pole base areas on Wisconsin approach	PLM, non-detect	No ACM	N/A

B-16-38-9C	Residual gray caulk	Former light pole base areas on Wisconsin approach	PLM, non-detect	No ACM	N/A

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

GEI CONSULTANTS, INC.

Madison Seymour
Environmental Engineer

Paul M. Garvey
Senior Scientist

Attachments:
B-16-0038 Report Table
B-16-0038 Map
B-16-0038 Photo Log
B-16-0038 Bulk Asbestos Sample Analysis Summary
B-16-0038 Bulk Asbestos Sample Chain of Custody

Inspected 8/5/2024
Paul M. Garvey, Inspector #All-117079
Madi Seymour, Inspector #All-294284
GEI Consultants, Inc.
PACM is present in the structure.

WisDOT Project 8680-00-04
Structure B-16-0038
USH 2
Over St. Louis River
St. Louis (MN) & Douglas (WI) County

GEI Consultants

Project 2403919

Designed:	JLH	8/12/2024
Checked:	PMG	8/12/2024
Drawn:	JLH	8/12/2024
Figure No.		B-16-0038

Path: B:\Working\WISDOT_General_ASBESTOS__2024 Asbestos Bridge Projects\2403919_8680-00-04_Bong Bridge_USH 2_Douglas&St Louis Co_Env x\GIS\2403919_8680-00-04_Bong Bridge_USH 2_Douglas&St Louis Co.aprx

PHOTOGRAPHIC LOG

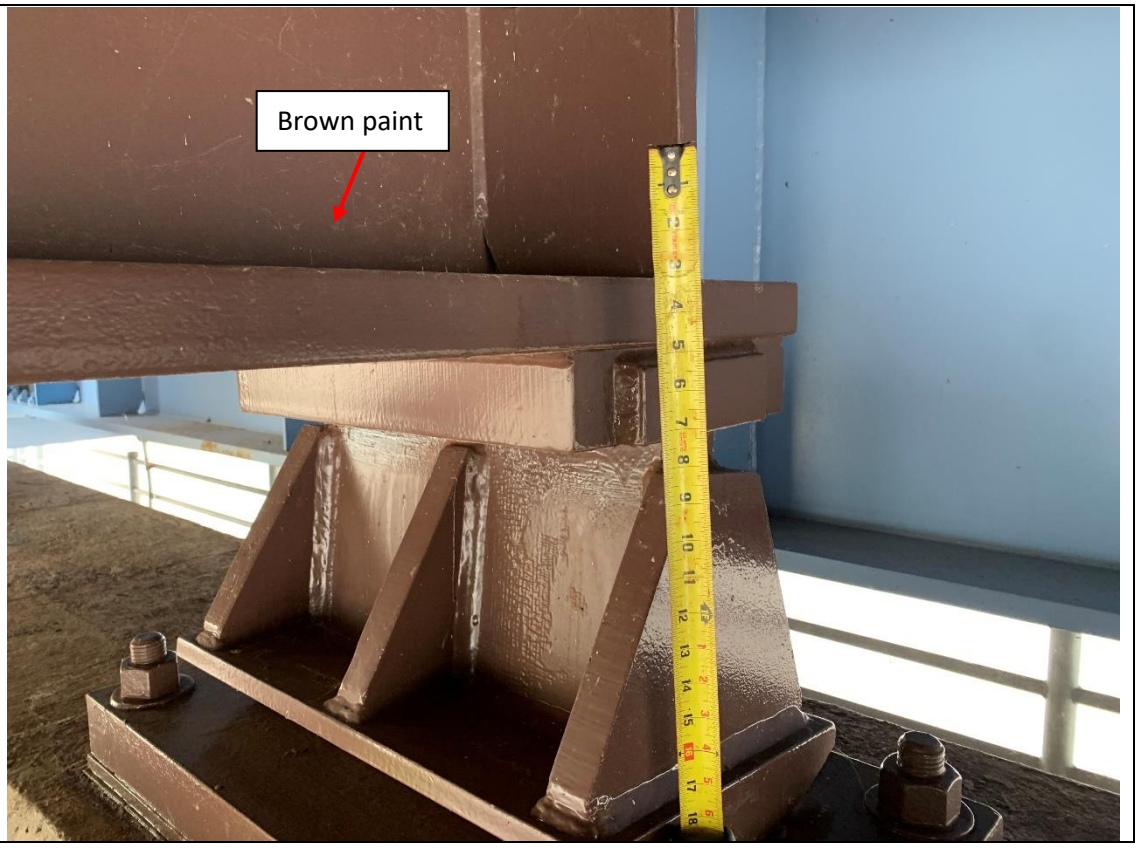
PHOTOGRAPH NO: 1	
DIRECTION: W	
DESCRIPTION: Looking west at the bridge deck on the Wisconsin side approaching the arch.	

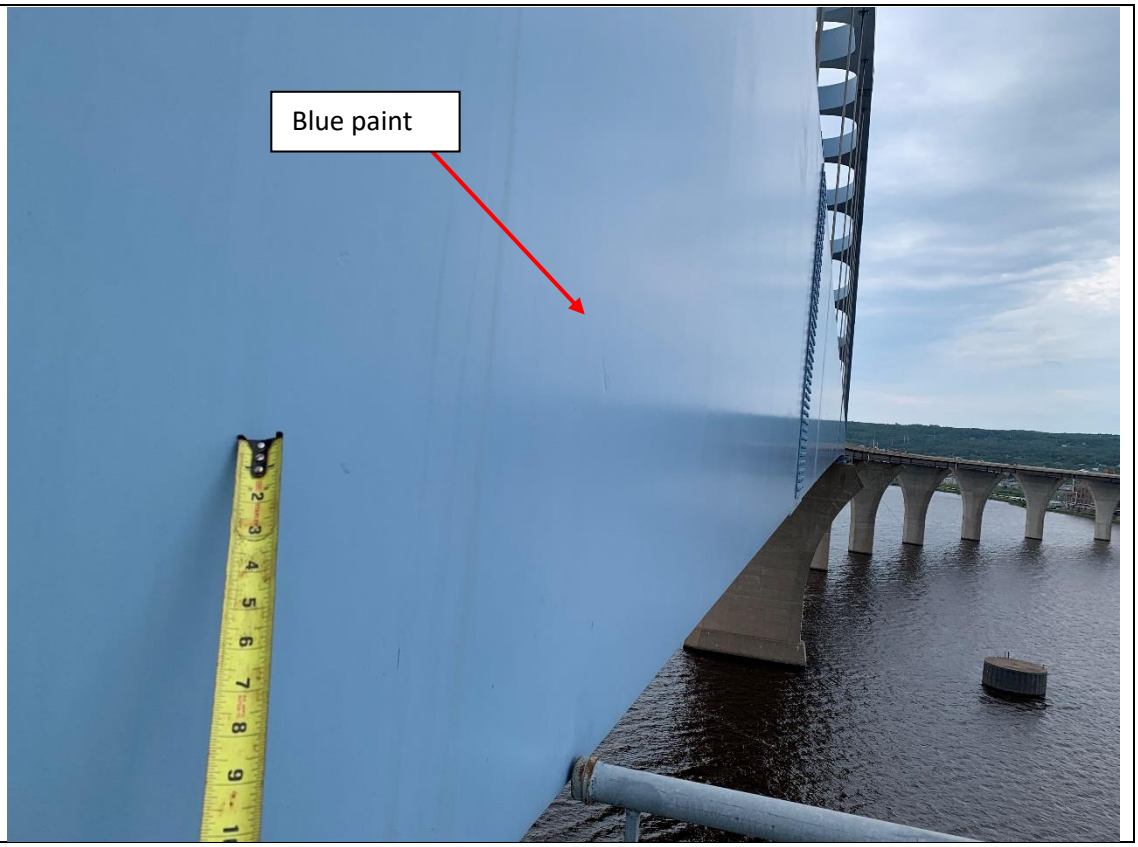
PHOTOGRAPH NO: 2	
DIRECTION: W	
DESCRIPTION: Looking at the Minnesota side of the structure from the arch.	

PHOTOGRAPH NO: 3	
DIRECTION: W	
DESCRIPTION: Looking west at the walkway on the south side of the structure.	

PHOTOGRAPH NO: 4	
DIRECTION: N	
DESCRIPTION: Looking at the mercury vapor lighting system on the poles mounted to the center parapet wall of the Structure. The lighting system is energized and could not be sampled. **The lamps, ballasts and electrical boxes are presumed asbestos containing materials (PACM).**	

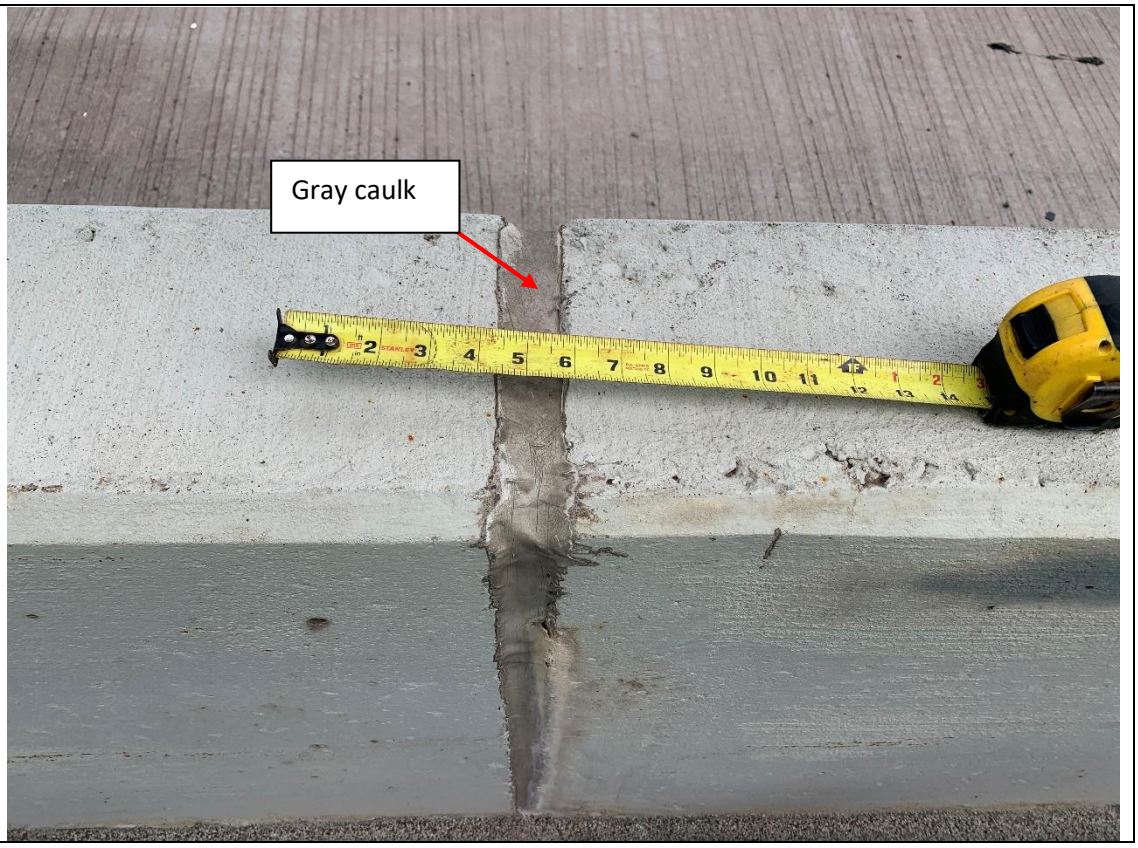
PHOTOGRAPH NO: 5	
DIRECTION: E	
DESCRIPTION: Looking east under the Wisconsin side of the structure showing the brown paint system on the underside girders.	

PHOTOGRAPH NO: 6	
DIRECTION: S	
DESCRIPTION: Looking at the brown paint system on the girder and bearing plate. The brown paint with gray undercoat is not asbestos containing.	

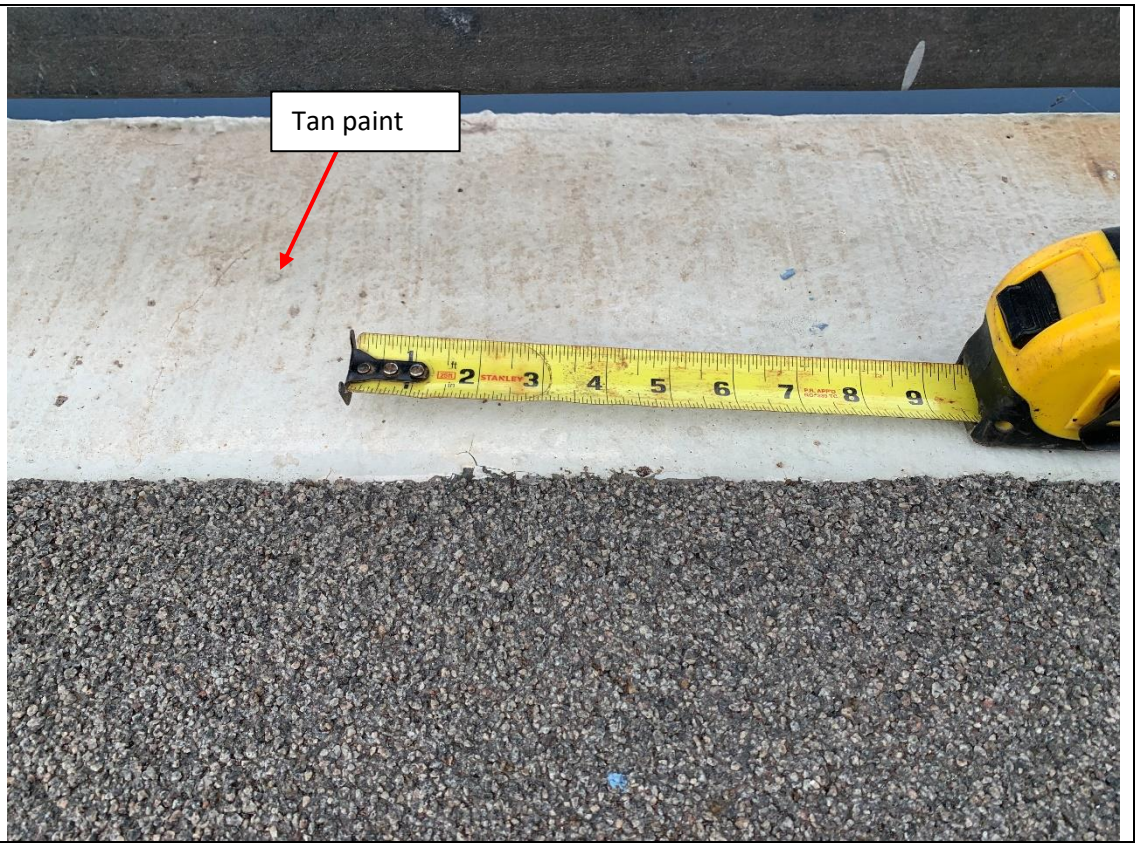
PHOTOGRAPH NO: 7 **DIRECTION**: W **DESCRIPTION:** Looking at the blue paint system on the arch and associated girders. The paint is not ACM.	

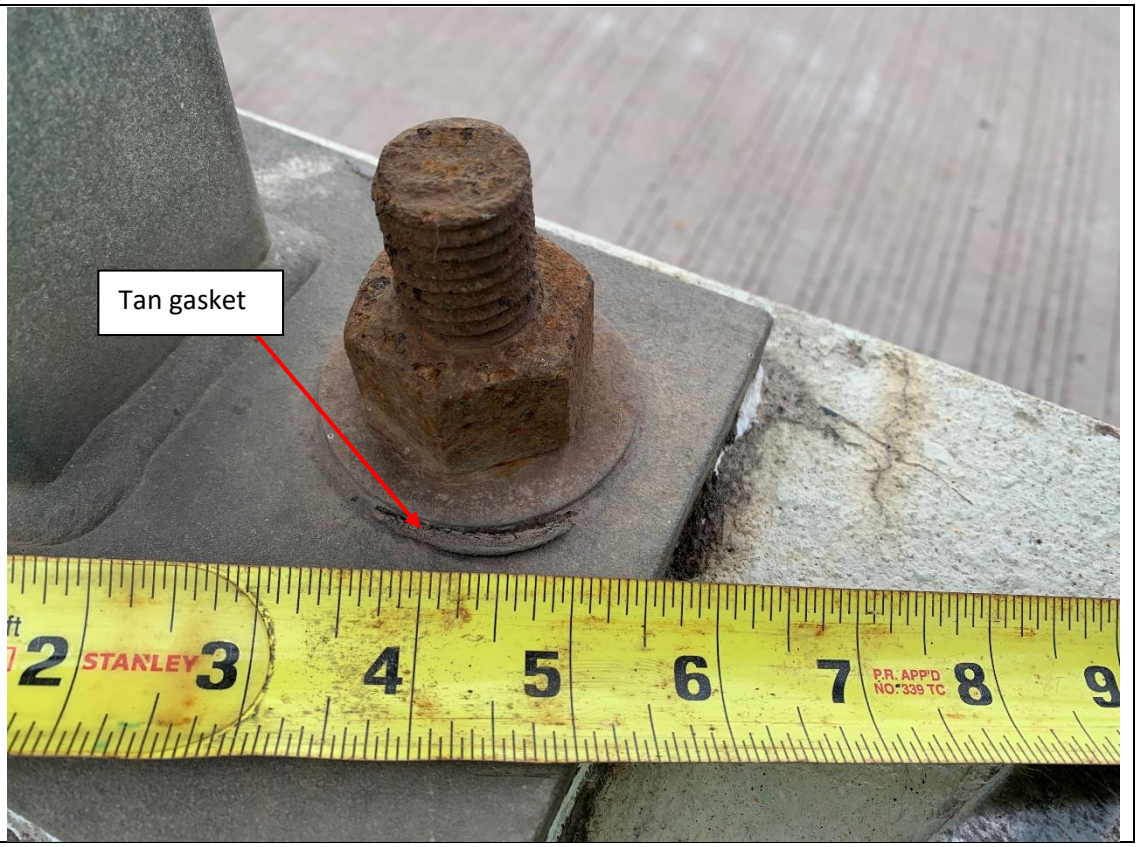
PHOTOGRAPH NO: 8 **DIRECTION**: NW **DESCRIPTION:** Looking at the tan paint within the arch interior manway. The paint is not ACM.	

PHOTOGRAPH NO: 9	
DIRECTION: Down	
DESCRIPTION: Looking at the white caulk on the guardrail base plates. The caulk is not ACM.	

PHOTOGRAPH NO: 10	
DIRECTION: N/Down	
DESCRIPTION: Looking at the gray caulk on the parapet wall joints and non-walkway (north side) guardrail base plates (Photo 2). The caulk is not ACM.	

PHOTOGRAPH NO: 11	
DIRECTION: N/Down	
DESCRIPTION: Looking at the white caulk on the base plates of the traffic side guardrail on walkway. The caulk is not ACM.	

PHOTOGRAPH NO: 12	
DIRECTION: NW	
DESCRIPTION: Looking at the tan paint on the walkway deck and parapet walls. The paint is not ACM.	

PHOTOGRAPH NO: 13	
DIRECTION: Down	
DESCRIPTION: Looking at occasional tan caulk-like gasket on small guardrail base plate bolts. The gasket is not ACM.	

PHOTOGRAPH NO: 14	
DIRECTION: N/Down	
DESCRIPTION: Looking at the residual gray caulk at the base locations of previously replaced light poles located on the Wisconsin approach. The caulk is not ACM.	

EHS Laboratories
ENVIRONMENTAL HAZARDS SERVICES, LLC
7469 Whitepine Rd
North Chesterfield, VA 23237
Telephone: 800.347.4010

Asbestos Bulk Analysis Report

Report Number: 24-08-01182

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

Received Date: 08/07/2024
Analyzed Date: 08/07/2024
Reported Date: 08/08/2024

Project/Test Address: P. Garvey; Bong Bridge

Client Number:
200598

Fax Number:

Laboratory Results

Lab Sample Number	Client Sample Number	Layer Type	Lab Gross Description	Asbestos	Other Materials
24-08-01182-001	B-16-38-1A		Brown/Off-White/Gray Pliable to Brittle; Inhomogeneous	NAD	100% Non-Fibrous
24-08-01182-002	B-16-38-1B		Brown/Off-White/Gray Pliable to Brittle; Inhomogeneous	NAD	100% Non-Fibrous
24-08-01182-003	B-16-38-1C		Brown/Off-White/Gray Pliable to Brittle; Inhomogeneous	NAD	100% Non-Fibrous
24-08-01182-004	B-16-38-2A		Blue/Off-White/Gray Pliable to Brittle; Inhomogeneous	NAD	100% Non-Fibrous

Client Number: 200598 **Report Number:** 24-08-01182

Project/Test Address: P. Garvey; Bong Bridge

Lab Sample Number	Client Sample Number	Layer Type	Lab Gross Description	Asbestos	Other Materials
24-08-01182-005	B-16-38-2B		Blue/Off-White/Gray Pliable to Brittle; Inhomogeneous	NAD	100% Non-Fibrous
24-08-01182-006	B-16-38-2C		Blue/Off-White/Gray Pliable to Brittle; Inhomogeneous	NAD	100% Non-Fibrous
24-08-01182-007	B-16-38-3A		Off-White/Gray Pliable to Brittle; Inhomogeneous	NAD	100% Non-Fibrous
24-08-01182-008	B-16-38-3B		Off-White/Gray Pliable to Brittle; Inhomogeneous	NAD	100% Non-Fibrous
24-08-01182-009	B-16-38-3C		Off-White/Gray Pliable to Brittle; Inhomogeneous	NAD	100% Non-Fibrous
24-08-01182-010	B-16-38-4A		Light Gray Pliable; Homogeneous	NAD	100% Non-Fibrous
24-08-01182-011	B-16-38-4B		Light Gray Pliable; Homogeneous	NAD	100% Non-Fibrous
24-08-01182-012	B-16-38-4C		Light Gray Pliable; Homogeneous	NAD	100% Non-Fibrous

Environmental Hazards Services, L.L.C

Client Number: 200598 **Report Number:** 24-08-01182

Project/Test Address: P. Garvey; Bong Bridge

Lab Sample Number	Client Sample Number	Layer Type	Lab Gross Description	Asbestos	Other Materials
24-08-01182-013	B-16-38-5A		Light Beige-Gray Pliable; Homogeneous	NAD	100% Non-Fibrous
24-08-01182-014	B-16-38-5B		Light Beige-Gray Pliable; Homogeneous	NAD	100% Non-Fibrous
24-08-01182-015	B-16-38-5C		Light Beige-Gray Pliable; Homogeneous	NAD	100% Non-Fibrous
24-08-01182-016	B-16-38-6A		Off-White Pliable; Homogeneous	NAD	100% Non-Fibrous
24-08-01182-017	B-16-38-6B		Off-White Pliable; Homogeneous	NAD	100% Non-Fibrous
24-08-01182-018	B-16-38-6C		Off-White Pliable; Brown-Gray Brittle; Inhomogeneous	NAD	100% Non-Fibrous
24-08-01182-019	B-16-38-7A		Pale Gray Cementitious; Off-White Pliable to Brittle; Inhomogeneous	NAD	100% Non-Fibrous
24-08-01182-020	B-16-38-7B		Pale Gray Cementitious; Off-White Pliable to Brittle; Inhomogeneous	NAD	100% Non-Fibrous

Environmental Hazards Services, L.L.C

Client Number: 200598 **Report Number:** 24-08-01182

Project/Test Address: P. Garvey; Bong Bridge

Lab Sample Number	Client Sample Number	Layer Type	Lab Gross Description	Asbestos	Other Materials
24-08-01182-021	B-16-38-7C		Off-White to Rust Orange Pliable to Brittle; Dark Gray Brittle; Inhomogeneous	NAD	1% Cellulose 99% Non-Fibrous
24-08-01182-022	B-16-38-8A		Off-White Pliable; Brown Brittle; Inhomogeneous	NAD	2% Fibrous Glass 98% Non-Fibrous
24-08-01182-023	B-16-38-8B		Off-White Pliable; Brown Brittle; Inhomogeneous	NAD	3% Fibrous Glass 97% Non-Fibrous
24-08-01182-024	B-16-38-8C		Off-White Pliable; Brown Brittle; Inhomogeneous	NAD	2% Fibrous Glass 98% Non-Fibrous
24-08-01182-025	B-16-38-9A		Translucent Pliable; Pale Gray Pliable to Brittle; Inhomogeneous	NAD	1% Cellulose 99% Non-Fibrous
24-08-01182-026	B-16-38-9B		Translucent Pliable; Pale Gray Pliable to Brittle; Inhomogeneous	NAD	100% Non-Fibrous
24-08-01182-027	B-16-38-9C		Translucent Pliable; Pale Gray Pliable to Brittle; Inhomogeneous	NAD	1% Cellulose 99% Non-Fibrous

Environmental Hazards Services, L.L.C

Client Number: 200598 **Report Number:** 24-08-01182

Project/Test Address: P. Garvey; Bong Bridge

Lab Sample Number	Client Sample Number	Layer Type	Lab Gross Description	Asbestos	Other Materials

QC Sample: 96-M22012-4

QC Blank: SRM 1866 Fiberglass

Reporting Limit: 1% Asbestos

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

Analyst: Mark Case

Reviewed By Authorized Signatory: Tasha Eaddy

Tasha Eaddy
QA/QC Clerk

These results are based on a comparative visual estimate. 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. 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. . NVLAP #101882-0 VELAP 460172

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%.

LEGEND: NAD = no asbestos detected

ENVIRONMENTAL HAZARDS SERVICES, LLC

Asbestos Chain of Custody Form

Page _____ of____

Company Name	GEI Consultants, Inc	Account #	2403919
Company Address	3159 Voyager Dr	City/State/Zip	Green Bay, WI 54313
Phone	920 883-1710	Email	pgarvey@geiconsultants.com
Project Name/Test Address	Bong Bridge		
PO Number	2403919	Collected By	P. Garvey
Turn-Around Time	(X) 5 Day ( ) 3 Day ( ) 2 Day ( ) 1 Day ( ) Same Day / Weekend - Must Call Ahead		

☐ PLM New York Protocol ☐ PLM New Jersey Protocol ☐ PLM South Carolina Protocol

LAB NUMBER	Client Sample ID **	Homogeneous Area	Positive Stop	Collection Date & Time	BULK: PLM	BULK: Point Count 400	BULK: Point Count 1000	BULK: TEM Bulk	AIR: PCM	AIR: TEM AHERA	AIR: NIOSH 7402	AIR: Time In Total Minutes	AIR: Flow Rate In L/Min	AIR: Volume In Total Liters	* positive stop on triplicates COMMENTS (A thru C samples)
1	B-16-38-1A thru 1C	X	X	8-5-24, 1100	X										*
2	B-16-38-2A thru 2C	X			X										*
3	B-16-38-3A thru 3C	X			X										*
4	B-16-38-4A thru 4C	X			X										*
5	B-16-38-5A thru 5C	X			X										*
6	B-16-38-6A thru 6C	X			X										*
7	B-16-38-7A thru 7C	X			X										*
8	B-16-38-8A thru 8C	X			X										*
9	B-16-38-9A thru 9C	X			X										*
10															
11															
12															
13															
14															
15															

** LAB NOTE: TWENTY-SEVEN SEPERATE SAMPLE CONTAINERS RECEIVED; SAMPLE IDENTIFICATION TAKEN FROM CONTAINERS. MSE 08-07-24

Released By:	Paul M Garvey	Date: 8-6-24	Time: 1600
Signature:	Paul M Garvey		

LAB USE ONLY – BELOW THIS LINE

Received By: HHumphreville

Signature:

Date: 8 / 7 / 24 Time: 1258 ☐ AM ☑ PM

☐ Portal Contact Added

24-08-01182

Due Date: 08/14/2024 (Wednesday) AE

MSE 9 PLM

7469 WHITEPINE RD, RICHMOND, VA 23237 (800)-347-4010

RESULTS VIA CLIENT PORTAL AVAILABLE @ www.leadlab.com