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## Bridge Asbestos Inspection Report

**WisDOT Project ID:** 1360-12-00  
**Structure Number:** B-40-0252  
**Structure Name:** 107th Street over STH 145  
**City/County:** City of Milwaukee, Milwaukee County  
**Lat/Long Coordinates:** 430838.72/ 880242.14  
**TRC Project Number:** 292179.0000.0000  
**Date Inspected:** February 22, 2018  
**Inspected By/License Number:** John Roelke, All-119523

### Findings:

Files available online for this bridge were reviewed, including the "As-built" drawings. The inspection to identify and collect samples of potential asbestos-containing material (ACM) was completed following WisDOT standard sampling procedure for bridge inspections found in FDM 21-35-45.

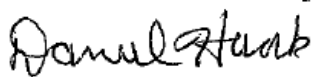
The gaskets located where the railing attaches to the concrete parapet tested positive for asbestos greater than 1% and is therefore regulated ACM. The ACM will be disturbed during the planned demolition and replacement. The ACM must be removed prior to any work. Standard Special Provision (STSP) 203-005 should be incorporated into the specifications.

Sample Number	Sample Description	Sample Location	Analytical Results and Method	Friable/ Non-friable or No ACM	Quantity of ACM Material
1	Gasket	Under railing attachments	PLM, 2%	Friable	9"x6"x82 = 30.75 sq ft
2	Gasket	Under railing attachments	Not analyzed, positive stop	--	
3	Gasket	Under railing attachments	Not analyzed, positive stop	--	

Sample Number	Sample Description	Sample Location	Analytical Results and Method	Friable/ Non-friable or No ACM	Quantity of ACM Material
4	Gray caulk	Parapet expansion joint, sidewalk joint	PLM, non-detect	No ACM	0
5	Gray caulk	Parapet expansion joint, sidewalk joint	PLM, non-detect	No ACM	
6	Gray caulk	Parapet expansion joint, sidewalk joint	PLM, non-detect	No ACM	
7	Silver paint	Girder	PLM, non-detect	No ACM	0
8	Silver paint	Girder	PLM, non-detect	No ACM	
9	Silver paint	Girder	PLM, non-detect	No ACM	
10	Black mastic	Utility piping	PLM, non-detect	No ACM	0
11	Black mastic	Utility piping	PLM, non-detect	No ACM	
12	Black mastic	Utility piping	PLM, non-detect	No ACM	

If you have any questions, please contact me, at (608) 826-3628.

TRC Environmental Corporation



Daniel Haak  
Project Manager



John Roelke  
Asbestos Inspector

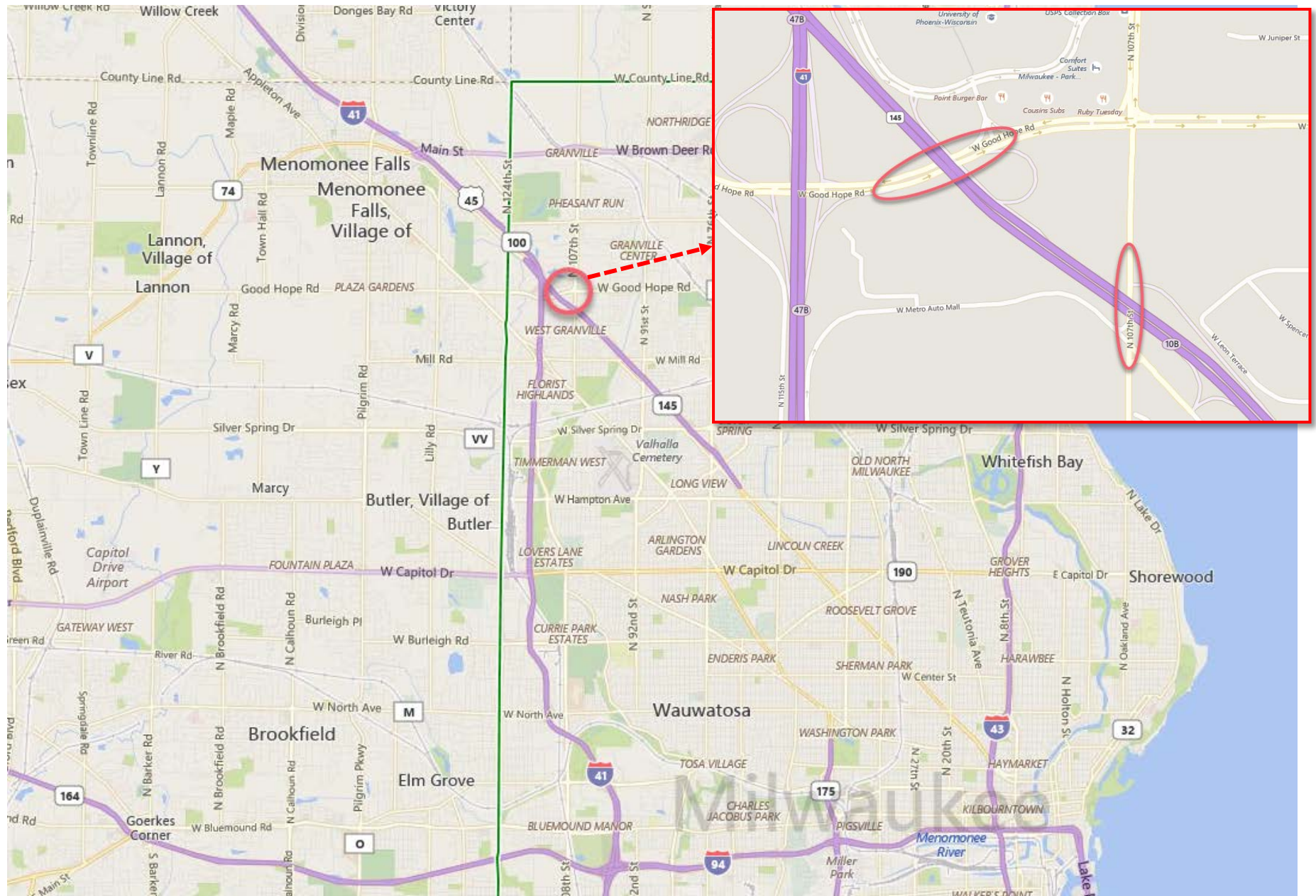
Attachments: Location Map, Photos, and Laboratory Report

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PROJECT ID: 1360-12-00/70  
GOOD HOPE RD. (B-40-250/251) AND 107<sup>TH</sup> ST. (B-40-252) BRIDGES  
MILWAUKEE COUNTY





## Bridge B-40-0252



Utilities encased in PVC piping



Gasket under railing attachments





Gray caulk in parapet expansion joint,  
sidewalk joint



Silver paint on girder



Black mastic on utility piping



**BULK ASBESTOS ANALYSIS REPORT**

CLIENT: Wisconsin Department of Transportation

Lab Log #: 0051954  
Project #: 292179.0000.0000  
Date Received: 02/23/2018  
Date Analyzed: 02/26/2018

Site: DOT Bridge Inspection, B-40-252

**POLARIZED LIGHT MICROSCOPY by EPA 600/R-93/116**

Sample No.	Color	Homogenous	Multi-Layered	Layer No.	Other Matrix Materials	Asbestos %	Asbestos Type
B-40-252 (1)	Grey (gasket)	Yes	No	--	---	2%	Chrysotile
B-40-252 (2)	--	--	--	--	--	NA/PS	--
B-40-252 (3)	--	--	--	--	--	NA/PS	--
B-40-252 (4)	Grey (caulk)	Yes	No	--	---	ND	None
B-40-252 (5)	Grey (caulk)	Yes	No	--	---	ND	None
B-40-252 (6)	Grey (caulk)	Yes	No	--	---	ND	None
B-40-252 (7)	Grey (paint)	Yes	No	--	---	ND	None
B-40-252 (8)	Grey (paint)	Yes	No	--	---	ND	None
B-40-252 (9)	Grey (paint)	Yes	No	--	---	ND	None
B-40-252 (10)	Black (mastic)	Yes	No	--	---	ND	None
B-40-252 (11)	Black (mastic)	Yes	No	--	---	ND	None
B-40-252 (12)	Black (mastic)	Yes	No	--	---	ND	None

**TRC LABORATORY ASBESTOS ANALYTICAL ACCREDITATIONS**

NVLAP Lab Code 101424-0	AIHA-LAP, LLC #100122	CT #PH-0426	ME LA-0075, LB-0071	MA #AA000052	NY #10980	WV# LT000411
RI #AAL-007	TX #300354	VT #AL014538	LA#05011	VA #3333 000283	AZ #A20944	HI #L-09-004
CO# AL-15020		PHIL# 461		PA#68-03387		NJ #CT004
						CA #2907



**POLARIZED LIGHT MICROSCOPY by EPA 600/R-93/116**

Sample No.	Color	Homogenous	Multi-Layered	Layer No.	Other Matrix Materials	Asbestos %	Asbestos Type
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Reporting limit- asbestos present at 1%

ND - asbestos was not detected

Trace - asbestos was observed at level of less than 1%

NA/PS - Not Analyzed / Positive Stop

SNA- Sample Not Analyzed- See Chain of Custody for details

Note: Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. In those cases, EPA recommends, and certain states (e.g. NY) require, that negative results be confirmed by quantitative transmission electron microscopy.

The Laboratory at TRC follows the EPA's Interim Method for the Determination of Asbestos in Bulk Insulation 1982 (EPA 600/M4-82-020) Bulk Analysis Code 18/A01 and the EPA recommended Method for the Determination of Asbestos in Bulk Building Materials July 1993, R.L. Perkins and B.W. Harvey, (EPA/600/R-93/116) Bulk Analysis Code 18/A03, which utilize polarized light microscopy (PLM). Our analysts have completed an accredited course in asbestos identification. TRC's Laboratory is accredited under the National Voluntary Laboratory Accreditation Program (NVLAP), for Bulk Asbestos Fiber Analysis, NVLAP Code 18/A01, effective through June 30, 2018. TRC is accredited by the AIHA Laboratory Accreditation Programs (AIHA-LAP), LLC in the Industrial Hygiene Program (IHLAP) for PLM effective through October 1, 2018. Asbestos content is determined by visual estimate unless otherwise indicated. Quality Control is performed in-house on at least 10% of samples and QC data related to the samples is available upon written request from client.

This report shall not be reproduced, except in full, without the written approval of TRC. This report must not be used by the client to claim product endorsement by NVLAP or any agency of the U.S. Government. This report relates only to the items tested.

Analyzed by:

Cathryn Lemire, Laboratory Analyst

Reviewed by:

Kathleen Williamson, Laboratory Manager

Date Issued

02/26/2018

**TRC LABORATORY ASBESTOS ANALYTICAL ACCREDITATIONS**

NVLAP Lab Code 101424-0  
RI #AAL-007 TX #300354  
CO# AL-15020

AIHA-LAP,LLC #100122 CT #PH-0426  
VT #AL014538 LA#05011 VA #3333 000283  
PHIL# 461 PA#68-03387

ME LA-0075, LB-0071 MA #AA000052 NY #10980 WV# LT000411  
AZ #A20944 HI #L-09-004 NJ #CT004 CA #2907