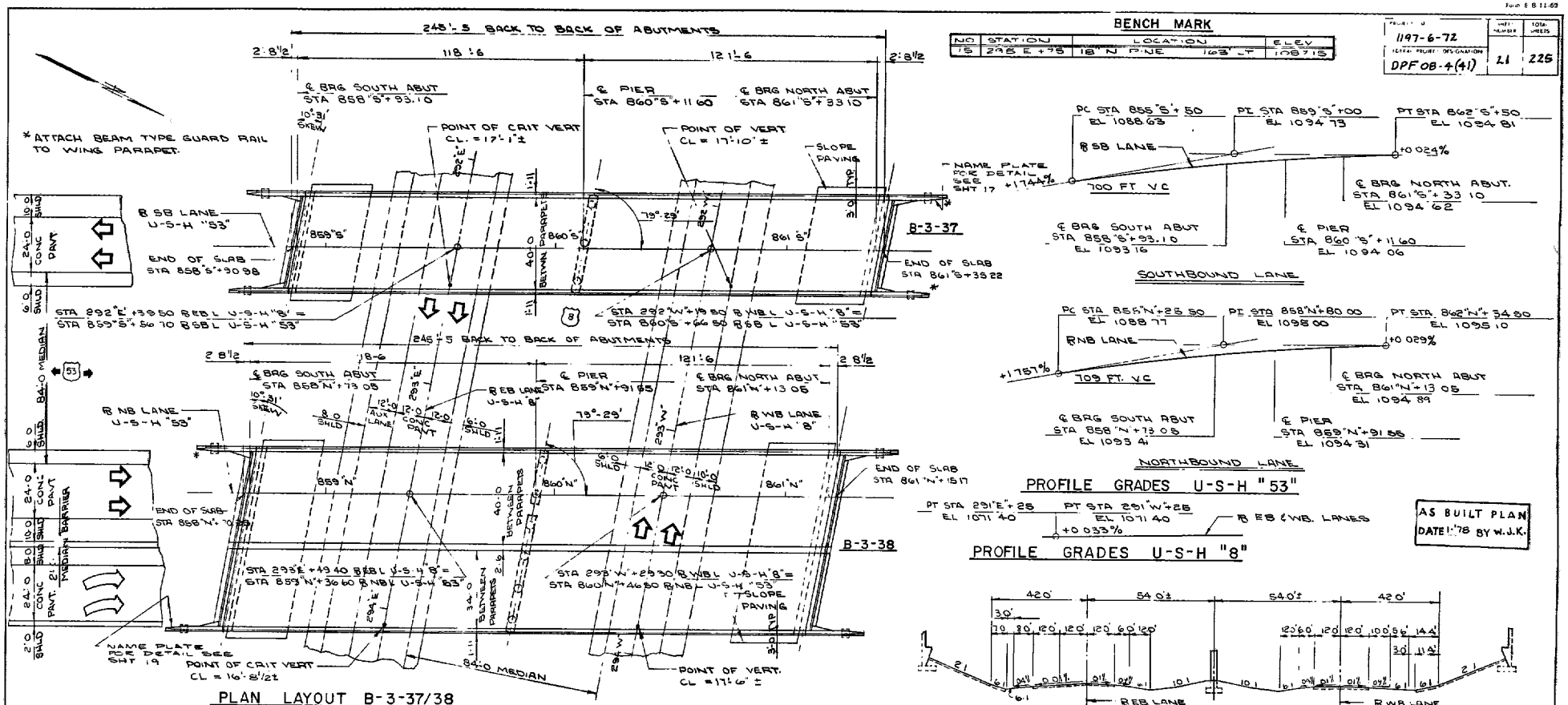
SELECT AS-BUILT DRAWINGS

Form C B 11-69

PROJECT ID	SHEET NUMBER	TOTAL SHEETS
1197-6-72		
FEDERAL PROJECT DESIGNATION		
DPF 08-4(41)	21	225

BENCH MARK

NO	STATION	LOCATION	ELEV
15	295 E +75	18' N PINE 163' LT	1087.15



PLAN LAYOUT B-3-37/38

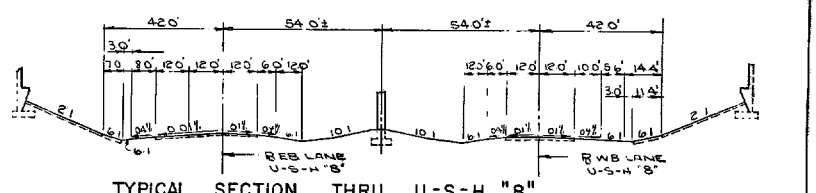
SOUTHBOUND LANE

NORTHBOUND LANE

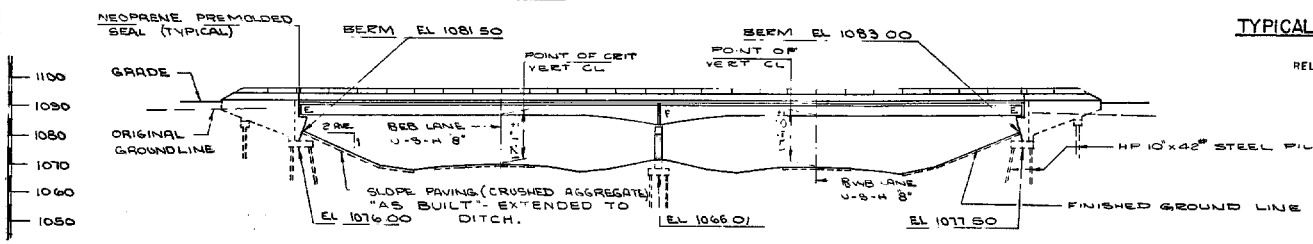
PROFILE GRADES U-S-H "53"

PROFILE GRADES U-S-H "8"

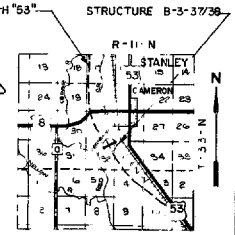
AS BUILT PLAN DATE 1-78 BY W.J.K.



TYPICAL SECTION THRU U-S-H "8"



ELEVATION
NORMAL TO ℄ EB &WB LANES U-S-H "8"



No	Date	Revision	By

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

STRUCTURE B-3-37

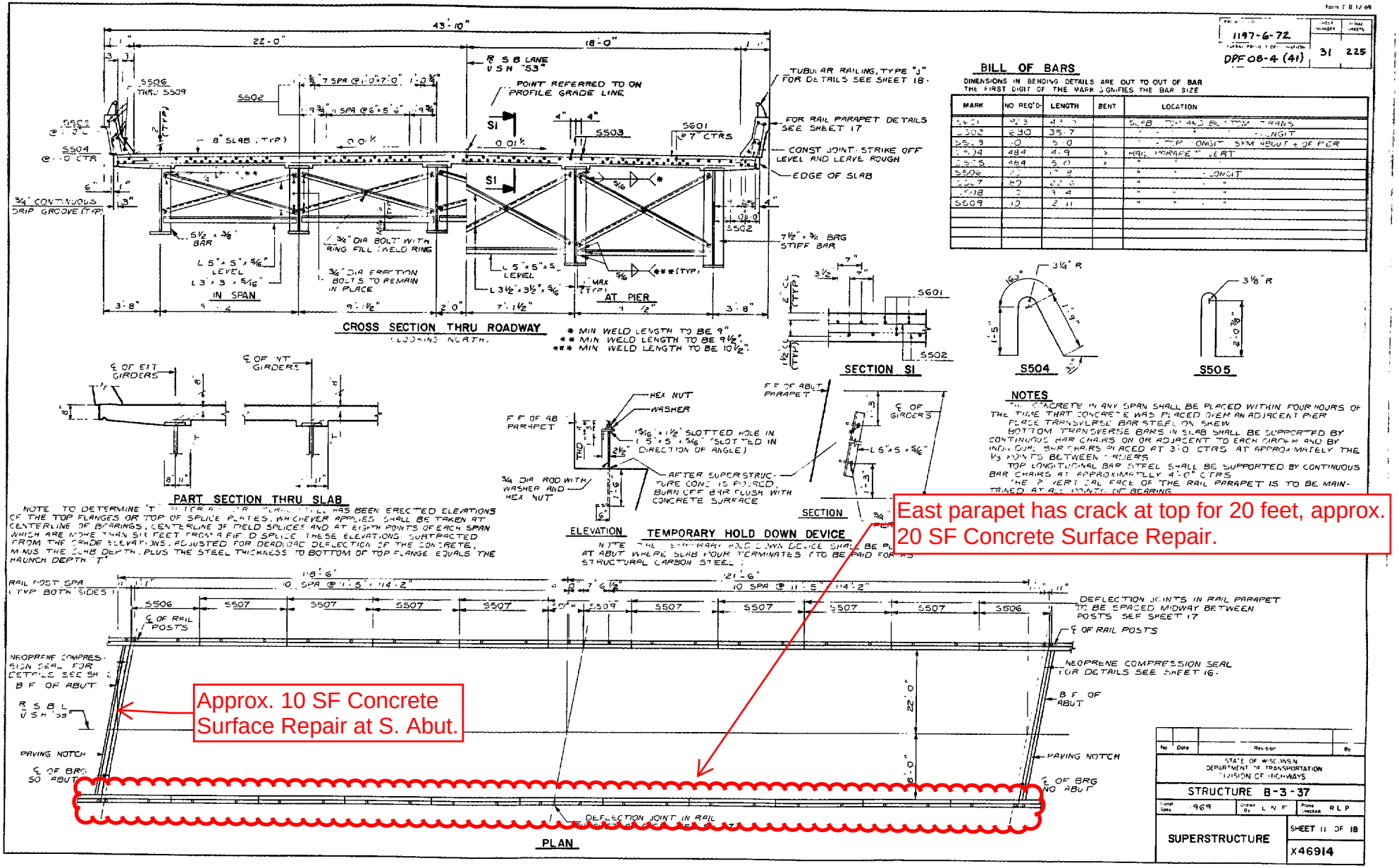
U-S-H "53" OVER U-S-H "8"

County BARRON		Town/Village TN. STANLEY	
Design Spec AASHO 1969		Load Spec H S 20	Const. Spec 1969
Designed By C D W	Detailed Checked R W A	Drawn By T L A	Plans Checked R L P
Approved W A Kluss Chief Bridge Engineer		3-3-72 Date	

GENERAL PLAN

SHEET 1 OF 18

X46904


1197-6-72
DPF 08-4 (41)
31
225
BILL OF BARS
DIMENSIONS IN BENDING DETAILS ARE OUT TO OUT OF BAR
THE FIRST DIGIT OF THE MARK SIGNIFIES THE BAR SIZE
MARK | NO REQ'D | LENGTH | BENT | LOCATION
S501 | 423 | 41 1 | | SLAB TOP AND BOTTOM TRANS
S502 | 630 | 35.7 | | " " " LONGIT
S503 | 10 | 5.0 | | " TOP OMIT SYM ABOUT ℄ OF PIER
S504 | 484 | 4.9 | X | RAIL PARAPET VERT
S505 | 484 | 5.0 | X | " " "
S506 | 2 | 17.8 | | " " LONGIT
S507 | 80 | 22.6 | | " " "
S508 | 2 | 9.4 | | " " "
S509 | 10 | 2.11 | | " " "
CROSS SECTION THRU ROADWAY
LOOKING NORTH
* MIN WELD LENGTH TO BE 9"
** MIN WELD LENGTH TO BE 9 1/2"
*** MIN WELD LENGTH TO BE 10 1/2"
SECTION S1
S504
S505
PART SECTION THRU SLAB
ELEVATION
TEMPORARY HOLD DOWN DEVICE
SECTION
NOTES
East parapet has crack at top for 20 feet, approx. 20 SF Concrete Surface Repair.
Approx. 10 SF Concrete Surface Repair at S. Abut.
PLAN
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
STRUCTURE B-3-37
SUPERSTRUCTURE
SHEET 11 OF 18
X46914

ASBESTOS REPORT

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

Bridge Asbestos Inspection Report

WisDOT Project ID: 1196-04-02
Structure Number: B-03-037
Structure Name: USH 53 SB over USH 8
City/County: Town of Stanley, 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-03-037 was conducted on April 4, 2019 by Kyle Sandmire, Asbestos Inspector License No. AII-217616. Asbestos-containing material (ACM) **IS NOT** 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.

No Asbestos-containing material has been found in Structure B-03-037. Standard Special Provision (STSP) 107-127 shall be included in the plans. 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-03-037-1A	Silver paint	Steel plates between bridge spans and abutment and on bridge spans	PLM, non-detect	No ACM	N/A
B-03-037-1B	Silver paint	Steel plates between bridge spans and abutment and on bridge spans	PLM, non-detect	No ACM	N/A
B-03-037-1C	Silver paint	Steel plates between bridge spans and abutment and on bridge spans	PLM, non-detect	No ACM	N/A
B-03-037-2A	Black/gray expansion material	Between bridge deck joints	PLM, non-detect	No ACM	N/A

B-03-037-2B	Black/gray expansion material	Between bridge deck joints	PLM, non-detect	No ACM	N/A
B-03-037-2C	Black/gray expansion material	Between bridge deck joints	PLM, non-detect	No ACM	N/A
B-03-037-3A	Black tar	Portions of the south bridge deck	PLM, non-detect	No ACM	N/A
B-03-037-3B	Black tar	Portions of the south bridge deck	PLM, non-detect	No ACM	N/A
B-03-037-3C	Black tar	Portions of the south bridge deck	PLM, non-detect	No ACM	N/A

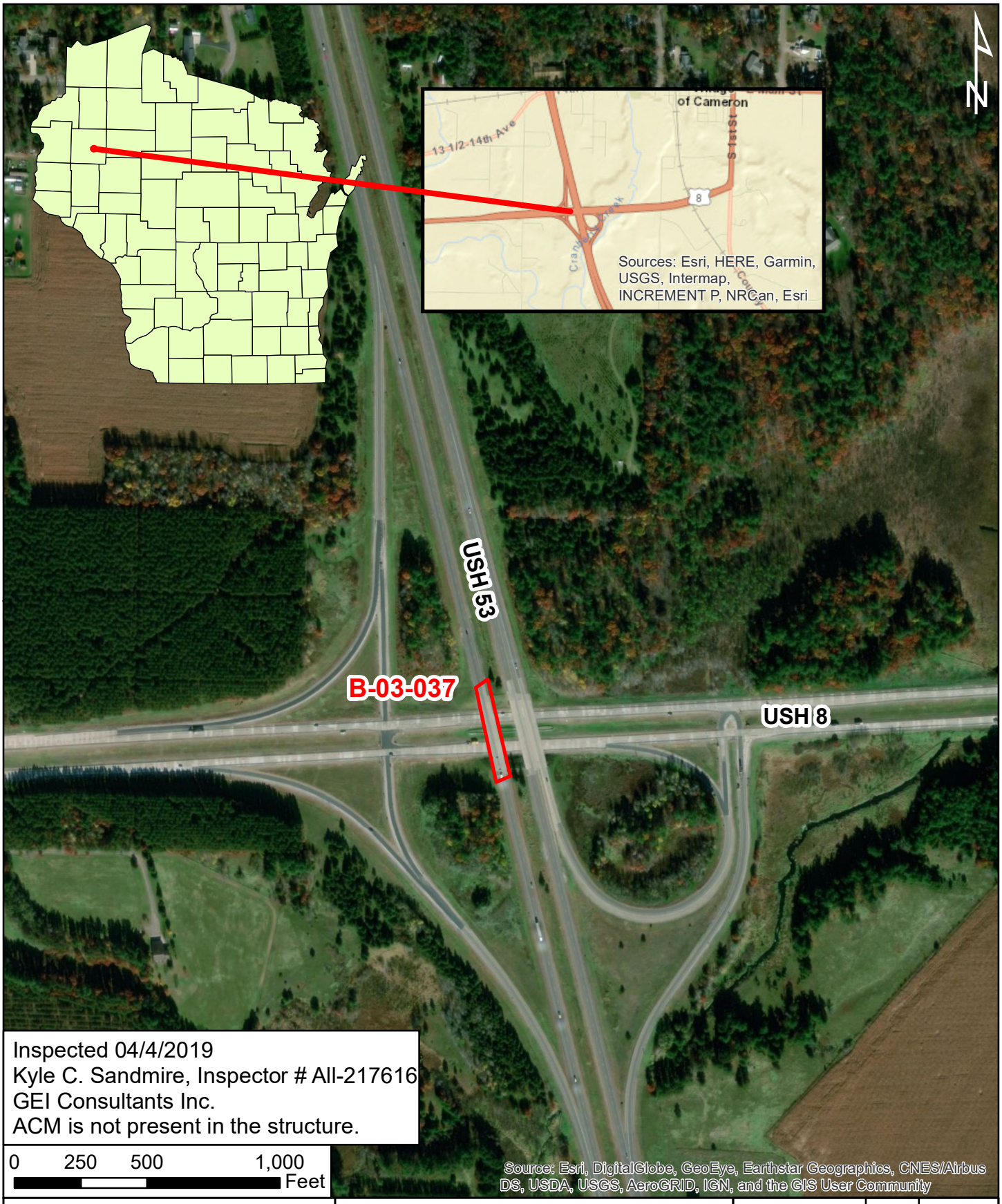
If you have any questions, please contact us at (920) 455-8200.

GEI CONSULTANTS, INC.

Kyle C. Sandmire
Environmental Scientist

Paul M. Garvey
Senior Scientist

Attachments:
B-03-037 Report Table
B-03-037 Map
B-03-037 Photo Log
B-03-037 Bulk Asbestos Sample Analysis Summary
B-03-037 Bulk Asbestos Sample Chain of Custody



Inspected 04/4/2019
Kyle C. Sandmire, Inspector # All-217616
GEI Consultants Inc.
ACM is not present in the structure.

0 250 500 1,000 Feet

GEI Consultants
3159 Voyager Drive
Green Bay, WI 54311
920.455.8200

WisDOT Project 1196-04-02
Structure B-03-037
USH 53 (SB)
over USH 8
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-03-037	

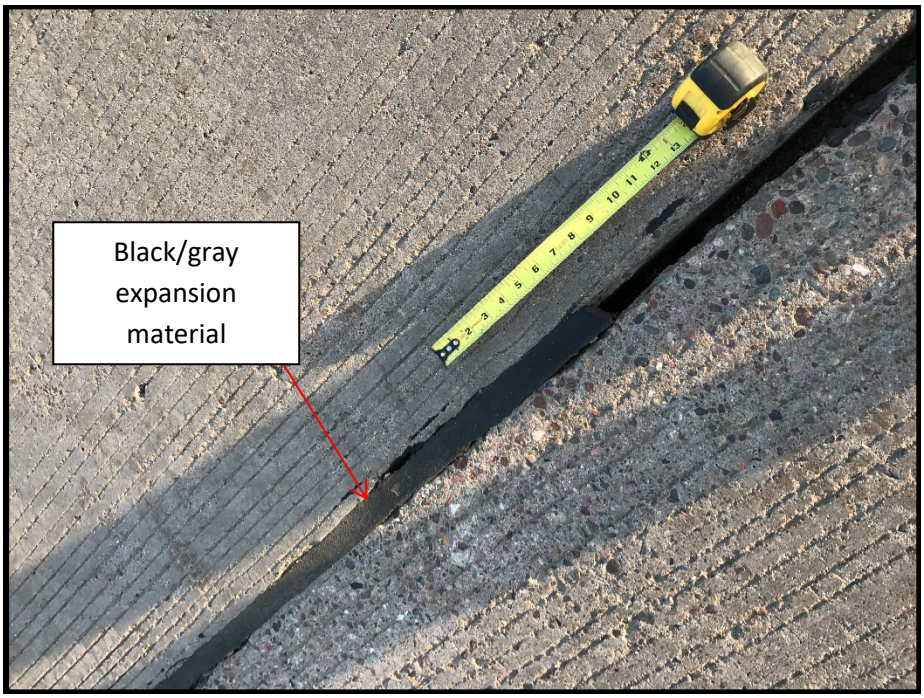
PHOTOGRAPHIC LOG

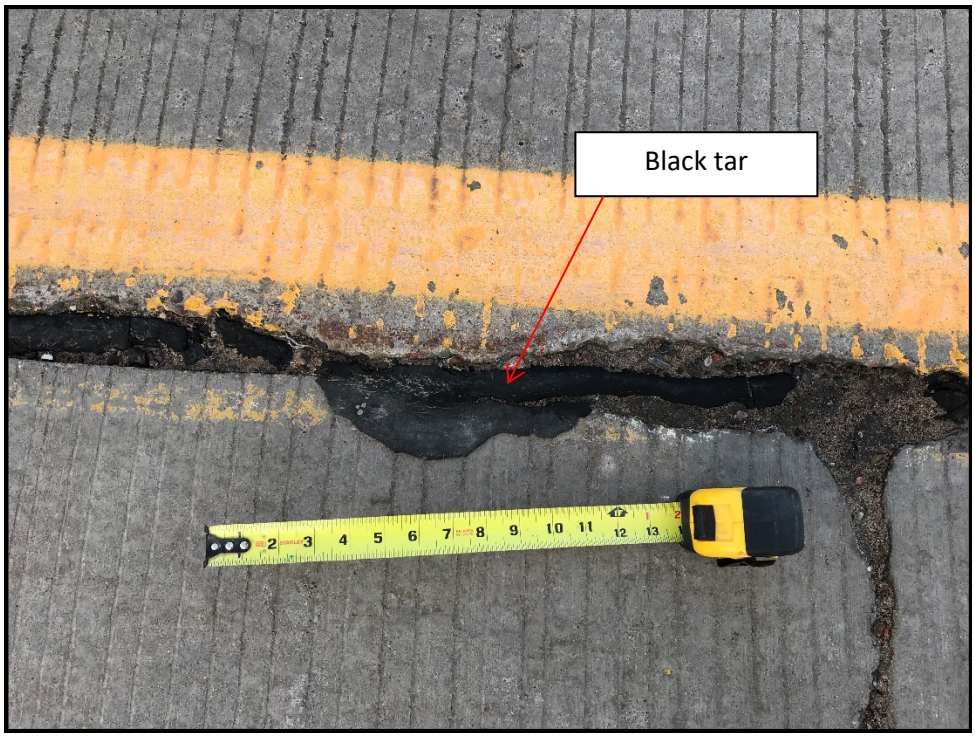
PHOTOGRAPH NO: 1	
DIRECTION: SE	
DESCRIPTION: Looking southeast at B-03-037.	

PHOTOGRAPH NO: 2	
DIRECTION: E	
DESCRIPTION: Looking west at B-03-037.	

PHOTOGRAPH NO: 3	
DIRECTION: SW	
DESCRIPTION: View of the bridge identification plate.	

PHOTOGRAPH NO: 4	
DIRECTION: NW	
DESCRIPTION: View of the silver paint on span beams and on steel plates between the spans and abutments. The silver paint is not ACM.	

PHOTOGRAPH NO: 5 **DIRECTION**: Down **DESCRIPTION:** View of the black/gray expansion material on the bridge deck joints. The black/gray expansion material is not ACM.	

PHOTOGRAPH NO: 6 **DIRECTION**: Down **DESCRIPTION:** View of the black tar on the south bridge deck wall joints. The black tar is not ACM.	

Environmental Hazards Services, L.L.C.
7469 Whitepine Rd
Richmond, VA 23237
Telephone: 800.347.4010

Asbestos Bulk Analysis Report

Report Number: 19-04-02060

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

Received Date: 04/12/2019
Analyzed Date: 04/15/2019
Reported Date: 04/16/2019

Project/Test Address: B-03-037; USH 53 SB Over USH 8; Town of Stanley, WI

Client Number: 200598

Fax Number:

Laboratory Results

Lab Sample Number	Client Sample Number	Layer Type	Lab Gross Description	Asbestos	Other Materials
19-04-02060-001	B-3-37-1A	--	Gray Paint; Brown Brittle; Inhomogeneous	NAD	100% Non-Fibrous
19-04-02060-002	B-3-37-1B	--	Gray Paint; Brown Brittle; Inhomogeneous	NAD	100% Non-Fibrous
19-04-02060-003	B-3-37-1C	--	Gray Paint; Brown Brittle; Inhomogeneous	NAD	100% Non-Fibrous
19-04-02060-004	B-3-37-2A	--	Gray Adhesive; Black Paint; Inhomogeneous	NAD	100% Non-Fibrous
19-04-02060-005	B-3-37-2B	--	Gray Adhesive; Black Paint; Inhomogeneous	NAD	100% Non-Fibrous

Environmental Hazards Services, L.L.C

Client Number: 200598 Report Number: 19-04-02060

Project/Test Address: B-03-037; USH 53 SB Over USH 8; Town of Stanley, WI

Lab Sample Number	Client Sample Number	Layer Type	Lab Gross Description	Asbestos	Other Materials
19-04-02060-006	B-3-37-2C	--	Gray Adhesive; Black Paint; Inhomogeneous	NAD	100% Non-Fibrous
19-04-02060-007	B-3-37-3A	--	Black Tar; Homogeneous	NAD	7% Cellulose 93% Non-Fibrous
19-04-02060-008	B-3-37-3B	--	Black Tar; Homogeneous	NAD	7% Cellulose 93% Non-Fibrous
19-04-02060-009	B-3-37-3C	--	Black Tar; Homogeneous	NAD	7% Cellulose 93% Non-Fibrous

Environmental Hazards Services, L.L.C

Client Number: 200598 Report Number: 19-04-02060

Project/Test Address: B-03-037; USH 53 SB Over USH 8; Town of Stanley, WI

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

QC Sample: 29-M22009-2

QC Blank: SRM 1866 Fiberglass

Reporting Limit: 1% Asbestos

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

Analyst: Christian H. Schaible

Reviewed By Authorized Signatory: Melissa Kanode

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

19-04-02060

Due Date:
04/17/2019
(Wednesday)
AE

3PLM

Asbestos Chain-of-Custody Form

EHS Laboratories™
Environmental Hazards Services, LLC

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

Company Name: GEI Consultants, Inc. Account Number: 1901822
Address: 3159 Voyager Drive City/State/Zip: Green Bay, WI 54311
Phone #: 920-241-2725 Email: ksandmire@geiconsultants.com Fax: 920-455-8225

Project Name / Testing Address: B-03-037, USH 53 SB over USH 8 City/State (Required): Town of Stanley, WI
Collected by: Kyle C. Sandmire, AII-217616 P.O. # 1901822

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

1 Day	2 Day	X	3 Day	* Same Day – Must Call Ahead	* Weekend – Must Call Ahead

No.	Client Sample ID	HA Area #	Collection Date	Collection Time	PLM	PLM Point Count 400	PLM Point Count 1000	PLM NY Protocol	TEM - Bulk	* Positive stop on all "A" thru "C" series. Comments
1	B-3-37 - 1A thru 1C		4/4/2019	7:30 (AM) / PM	X					Silver paint
2	B-3-37 - 2A thru 2C		↓	7:30 (AM) / PM	X					Expansion caulk
3	B-3-37 - 3A thru 3C		↓	7:30 (AM) / PM	X					Black tar
4				AM / PM						
5				AM / PM						
6				AM / PM						
7				AM / PM						
8				AM / PM						
9				AM / PM						
10				AM / PM						

Released by: Kyle C. Sandmire Signature: Date/Time: 4/9/2019 8:00
Received by: Signature: Date/Time: 4/12/19 2:35pm

BRIDGE INSPECTION REPORT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

Inspection Report for B-03-037 (USH 8)

USH 53 SB over USH 8

May 16,2017

Type	Prior	Frequency (mos)	Performed
Routine	05-13-15	24	X
Damage	02-09-07	0	
Interim	02-19-07	0	
SIA Review	06-11-13	48	X

Latitude	45°23'44.61"N	Owner	STATE HIGHWAY DEPT
Longitude	91°45'30.08"W	Maintainer	STATE HIGHWAY DEPT

Time Log

Hours	Minutes
0	50

Team members

Wjk

	Name	Number	Signature	Date
Inspector	Kovaleski, William J	8007	William J Kovaleski E-signed by Bill(dotwjk)	08-07-17

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

Identification & Location

Feature On: USH 53 SB	Section Town Range: S29 T34N R11W	Structure Number: **B-03-037**
Feature Under: USH 8	County: BARRON	
Location: 8.2M S JCT STH 48 TO E	Municipality: STANLEY	Structure Name: USH 8

Geometry

measurements in feet, except where noted

Approach Roadway Width: 40	Bridge Roadway Width: 40.0	Total Length: 244.2
Approach Pavement Width: 44	Deck Width: 43.8	Deck Area (sq ft): 10695

Traffic

	Lanes	ADT	ADT year	Traffic Pattern
On	2	5400	2014	ONE WAY TRAFFIC
Under	4	7400	2014	TWO WAY TRAFFIC

Capacity

Load Rating

Inventory rating: HS21	Overburden depth (in): 2.0	Last rating date: 07-29-13	Controlling: INTERIOR DECK GIRDER Moment
Operating rating: HS35	Deck surface material: INTEGRAL CONCRETE	Re-rate for capacity (Y/N):	Control location: 1.0 SPAN 1, 118.5
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 #: 99.0

Span(s)

Span #	Material	Configuration	Depth (in)	Length (ft)	Main
1	CONT STEEL	DECK GIRDER		118.5	
2	CONT STEEL	DECK GIRDER		121.5	Y

Expansion joint(s)

Temperature:

File:	New:

Clearance

Item	File Measurement (ft)	File Date	New Measurement (ft)
Highway Min Vertical Under Cardinal	17.0		
Highway Min Vertical Under Non-Cardinal	17.58		
Horizontal Under Cardinal	97.5		
Horizontal Under Non-Cardinal	97.5		
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
1998	PAINTING	1197-10-71
1994	OVERLAY - CONCRETE	1190-22-60
1972	NEW STRUCTURE	1197-06-72

Maintenance Items History

Item	Recommended by	Status	Status change	Year completed
Deck - Patching	Bjorklund, Allan M (8003)	COMPLETE	07/06/15	2015
Patch ends of deck along joints both ends. Est. 19 SF on north end, 25 SF on south. Use SET 45 or similar.				
Deck - Seal Surface Cracks	Harrington, Daniel J (8004)	COMPLETE	01/17/13	
epoxy deck cracks over pier 300 LF				
Deck - Patching	Harrington, Daniel J (8004)	COMPLETE	01/17/13	
repair spalls in backwall N abut approx 8 LF				
Deck - Patching	Harrington, Daniel J (8004)	COMPLETE	01/17/13	
repair backwall spalls 24 LF.				
Deck - Patching	Bjorklund, Allan M (8003)	COMPLETE	07/06/15	2015
Patch deck, est 20sf S abut, 24sf N abut. Polymer conc patch material.				

Maintenance Items

Item	Priority	Recommended by	Status	Status change
Expansion Joints - Repair	CRITICAL	Bjorklund, Allan M (8003)	IDENTIFIED	05/19/15
2LF of steel extrusion of the south joint is broken at centerline in outside lane.				
Substructure - Other Work	HIGH	Bjorklund, Allan M (8003)	IDENTIFIED	05/19/15
Seal concrete columns, 3 ea.				

Elements

Chk	Element	Defect	Description	UOM	Total	Quantity in Condition State 1	2	3	4
X	**12**		**Reinforced Concrete Deck**	SF	10,696	10,292	402	2	0
		1080	Delamination - Spall - Patched Area	SF		0	2	2	0
			Repairs at **SW and NW rust staining by** joint. **SE corner spalling w exposed rebar.**						
		1130	Cracking (RC)	SF		0	400	0	0
			Few fine to hrline transverse cracks at even spacing near Pier w/ lt efflorescence. Span 2, Bay 3 (west) - 3ft wide span concrete deterioration staining with lt rust staining.						
	8000		Wearing Surface (Bare)	SF	10,696	6,260	4,392	44	0
		3210	Debonding/Spall/Patched Area/Pothole	SF		0	0	44	0
			Spalling along both joints on paving blocks, 19SF along North joint, 25SF along South joint.						
		3220	Crack (Wearing Surface)	SF		0	4,392	0	0
			Fine map cracking, 18ftx244ft.						
X	**107**		**Steel Open Girder**	LF	1,220	820	400	0	0
			Girders appear straight and **plumb with no obvious indications of out-of-plane movement. NOTE:** Traffic impact to west fascia girder over USH 8 rt lane. Wll grind out damage, third girder also scraped on bottom flange. In span 1 girders 1,3,4 & 5 ground at hits, tested with Mag-particle and painted.						
		1000	Corrosion	LF		0	400	0	0
			Rust mainly on bottom flanges and lower web over roadways.						
	8516		Painted Steel	SF	17,000	4,250	10,200	1,700	850
			Painted overcoat 9/19/98. Rust showing bottom flange over roadway 8 and fascia bearings. Traffic impact to west fascia girder over USH 8 rt lane. Wll grind out damage, third girder also scraped on bottom flange. In span 1 girders 1,3,4 & 5 ground at hits, tested with Mag-particle and painted.Webs peeling 2011.						
		3440	Effectiveness (Steel Protective Coatings)	SF		4,250	10,200	1,700	850
			Paint has failed in areas over the roadway. General dulling of surface with peeling of the topcoat on the exterior girders.						

X	**205**		**Reinforced Concrete Column**	EA	3	2	1	0	0
		1080	Delamination - Spall - Patched Area	EA		0	1	0	0
			Col 5 btm west spall w exposed rebar (poor cover)						
X	**215**		**Reinforced Concrete Abutment**	LF	91	76	6	9	0
			Staining at NW from joint.						
		1080	Delamination - Spall - Patched Area	LF		0	1	1	0
			SOUTH: 1ft edge spall at G1 **/ CS3 edge spall west face w/ rust at joint.**						
		1130	Cracking (RC)	LF		0	5	8	0
			SOUTH: CS3 vertical cracks at G2, Bays 2 & 3, G4, and Bay 4 / 2 hrln horiz at G1 to edge. **NORTH: CS3 vert cracks at Bays 1, 2, &3 / hrline vert cracks at G 1 & 3, and Bay 4.** **some cracks extend up into backwall.**						
X	**234**		**Reinforced Concrete Cap**	LF	42	42	0	0	0
			East nose btm - honeycombing poor consolidation.						
X	**300**		**Strip Seal Expansion Joint**	LF	85	41	0	42	2
		2310	Leakage, Seal Adhesion, Damage,Cracking	LF		0	0	0	2
			Steel extrusion broken on the south joint at centerline in outside lane for 2ft.						
		2360	Adjacent Deck or Header Damage	LF		0	0	42	0
			Damage to concrete backwall along joints, 19lf on north, 25lf on south.						
X	**311**		**Moveable Bearing**	EA	10	6	4	0	0
			At abutments - rockers						
		1000	Corrosion	EA		0	4	0	0
			Lt edge rusting - fascia worse.						
X	**313**		**Fixed Bearing**	EA	5	3	2	0	0
			At Pier						
		1000	Corrosion	EA		0	2	0	0
			Lt edge rusting - fascia worse.						
X	**331**		**Reinforced Concrete Bridge Rail**	LF	488	486	0	2	0
		1080	Delamination - Spall - Patched Area	LF		0	0	2	0
			Spall w/exposed rebar SE @ abut 2 lf.						
		1130	Cracking (RC)	LF		0	0	0	0
X	**8400**		**Integral Wingwall**	EA	4	1	3	0	0
		8902	Wall Movement	EA		0	1	0	0
			SW tipped 1/4in.						
		8903	Wall Deterioration	EA		0	2	0	0
			SE-delam top. SW - fine vert crack mid w/ spall top. NW - vry fine vert crack mid.						

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

Structure No.:**B-03-037**

Assessments

Chk	Element	Defect	Description	UOM	Total	Quantity in Condition State 1	2	3	4
X	9001		**Drainage - Approach** **C&G inlets at north end - slight settle.**	EA	4	2	2	0	0
X	9030		**Signs - Object Markers**	EA	2	2	0	0	0
X	9043		**Slope Protection- Crushed Aggregate with Bit.** **Rocks tightly adhered. Vegetation and loose/bleaching at edges.**	EA	2	2	0	0	0
X	9167		**Steel Diaphragm** On abutments **- vry lt freckle rust.**	EA	8	8	0	0	0
X	9250		**Cross Bracing or Struts** **Freckle** rust **spotty** over **driving lanes.**	EA	36	20	16	0	0
X	9322		**Approach Roadway - Concrete (non-structural)**	EA	2	2	0	0	0

NBI Ratings

	File	New
Deck	5	5
Superstructure	7	7
Substructure	7	7
Culvert	N	N
Channel	N	N
Waterway	N	N

Structure Specific Notes

OLD: (01) Structure is in very good condition. Paint job in 1998 is weathering well. Joints are dirty but are not leaking. Approaches are good.Slope paving needs to be repaired and resprayed. deck is very **good.**

Inspection Specific Notes

Inspector Site-Specific Safety Considerations

Structure Inspection Procedures

Walk-thru

Special Requirements

Chk	Hours	Cost	Comments

Routine

Document Comment/Description

North abutment

Routine

Document Comment/Description

South abutment

Routine

Document Comment/Description

SW abutment

STRUCTURE INVENTORY AND APPRAISAL FIELD REVIEW FORM

B-03-037
USH 53 SB over USH 8

LOCATION

(3) Municipality:	STANLEY
(16) Latitiude(° ' "):	45°23'44.61"N
(17) Longitude(° ' "):	91°45'30.08"W

TRAFFIC SERVICE

(28A) Lanes On:	2
(28B) Lanes Under:	4
(102) Traffic Pattern On:	-NO TRAFFIC X-ONE WAY TRAFFIC -TWO WAY TRAFFIC
(102) Traffic Pattern Under:	-NO TRAFFIC -ONE WAY TRAFFIC X-TWO WAY TRAFFIC
(19) Detour Length(mi):	0

GEOMETRY

(49) Structure Length(ft):	244.2	
(50) Sidewalk Width(ft):	**Left:** 0.0	**Right:** 0.0
(50) Curb Width(ft):		
(52) Culvert Barrel Length(ft):		
(34) Skew:	**Angle(°):** 11	**Direction:** -RIGHT FORWARD X-LEFT FORWARD
	Cardinal	**Non-Cardinal**
(51) Bridge Roadway Width(ft):	40.0	40.0
(52) Deck Width(ft):	43.8	43.8
Right Wingwall Length(ft):		
Left Wingwall Length(ft):		
(32) Approach Roadway Width(ft):	40	40
	Cardinal Under Clearance	**Non-Cardinal Under Clearance**
(47) Minimum Horizontal(ft):	97.5	97.5
(55) Minimum Right Lateral(ft):	33.0	33.0
(56) Minimum Left Lateral(ft):	40.5	40.5

RAILING APPRAISAL

(36A) Bridge Rail Adequacy:	-SUB-STANDARD X-STANDARD -NOT APPLICABLE
(36B) Transition Adequacy:	-SUB-STANDARD X-STANDARD -NOT APPLICABLE
(36C) Approach Guardrail Adequacy:	-SUB-STANDARD X-STANDARD -NOT APPLICABLE
(36D) Guardrail Termination Adequacy:	-SUB-STANDARD X-STANDARD -NOT APPLICABLE

Outer Rail:

Left	Right	Type
		TYPE F (TWO SQUARE TUBES) - STEEL(8)
		TYPE F (3 SQUARE TUBES) - STEEL(65)
		TYPE F (4 SQUARE TUBES) - STEEL(72)
		TYPE M-STEEL 3 SQUARE TUBES(93)
X	X	SLOPED FACE PARAPET LF(91)
		SLOPED FACE PARAPET HF(92)
		VERTICAL FACE PARAPET TYPE A(74)
		TYPE W-THRIE BEAM(79)
		TYPE H ON VERTICAL PARAPET(80)
		TIMBER(38)
		OTHER(99) (Please specify)

Transition Type:

	CONT GUARD RAIL
	NO APP GRDRL
	NO ATTACHMENT
5	22 MM(7/8") BOLT (Please enter quantity)
	25 MM(1") BOLT (Please enter quantity)
	OTHER (Please specify)

Approach Attachment Rail Note:

Guardrail Termination Type:

X	(01) ENERGY ABSORBING TERMINAL/EAT
	(02) TURN DOWN
	(99) OTHER (Please specify)

Guardrail Termination Note:

ROADWAY ALIGNMENT APPRAISAL

(72) Approach Alignment Appraisal:

	3 Intolerable- Substantial speed reduction
	6 Fair- Minor speed reduction
X	8 Good- No speed reduction

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