

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

Inspection Report for B-47-040

USH 10 over ST CROIX RIVER 01 Apr 09,2018



Туре	Prior	Frequency (mos)	Performed
Routine	04-13-17	24	Х
Damage	08-15-10		
Fracture Critical	04-13-17	24	Х
Interim	06-23-09	0	
Movable	04-13-17	24	Х
Uw-Dive	10-26-17	48	
Reach All	04-13-17	12	Х
SIA Review	04-26-16	48	
Uw-Profile	10-26-17	24	

Start Coordinates	
Latitude 44°44'57.33"N	
Longitude 92°48'11.93"W	

End Coordinates (optional)

Latitude Longitude

Owner STATE HIGHWAY DEPT

Maintainer STATE HIGHWAY DEPT

	Time Log		Team membe	ers	
	Hours 9	Minutes 0			
	Name		Number	Signature	Date
Inspector	Haig, Gregory		5014	Gregory Halg E-signed by Gregory H Haig(dotghh)	04-30-18

page 2

Identification & Location

Load Rating

ST CROIX RIVER 01	PIERCE Municipality: PRESCOTT	Structure Name:
Feature Under:	County:	B-47-040
Feature On: USH 10	Section Town Range: S09 T26N R20W	Structure Number:

Geometry

measurements in feet, except where noted				Lanes	ADT	ADT year	Traffic Pattern
Approach Roadway Width: 54	Bridge Roadway Width: 54.0	Total Length: 682.7	On	4	13900	2012	TWO WAY TRAFFIC
Approach Pavement Width: 54	Deck Width: 66.0	Deck Area (sq ft): 45058					

Capacity

Inventory rating: HS21	Overburden depth (in): 0.0	Last rating date:	Controlling:
Operating rating: HS30	Deck surface material: CONCRETE	Re-rate for capacity (Y/N):	Control location:
Posting: MAX PERMIT WEIGHT 350K	Re-rate notes:		

Hvdraulic

Hydraulic		Classification
Scour Critical Code(113): (8) STABLE-ABOVE TOP FOOTING	Q100 (ft3/sec): 55000	
High water elevation (ft): 691.0	Velocity (ft/sec): 6.0	Sufficiency #: 61.7

Span(s)

S		Material	Configuration	Depth (in)	Length (ft)	Main
	1	STEEL	DECK GIRDER		115.0	
	2	STEEL	DECK GIRDER		133.5	
	3	STEEL	BASCULE		205.5	Y
	4	STEEL	DECK GIRDER		116.5	
	5	STEEL	DECK GIRDER		108.0	

Expansion joint(s)

Temperature: File:

New:

Clearance

Item	File Measurement (ft)	File Date	New Measurement (ft)
Highway Min Vertical On Cardinal			
Horizontal On Cardinal			

Special Components

Component	Year	Work Performed	Note
CONC. PROTECTIVE TREATMENT - TK-590-1 MS			APPLIED IN 2014 MAINTENANCE PROJECT

Construction History

Year	Work Performed	FOS id
9999	NOT BUILT	1530-01-75
9999	NOT BUILT	
1991	SEAL CONCRETE	
1990	NEW STRUCTURE	1530-00-71

page 3

Maintenance Items History

Structure No.: B-47-040

Item	Recommended by	Status	Status change	Year completed
Deck - Seal w/ Concrete Sealer		COMPLETE		2014
UPLOADED ON 4/28/2015 FROM EXCEL SHEE SPECIFIC PRODUCT	L T COMPILED BY ALLAN JOHNS	ON. SEE SPECI	AL COMPONEN	T TAB FOR

Maintenance Items

Item	Priority	Recommended by	Status	Status change				
Misc - Paint Spot / Complete	MEDIUM	Haig, Gregory (5014)	IDENTIFIED	06/02/15				
Ends of Span 3 girders and surrounding areas wil	Il need paint soo	n						
Superstructure - Other Work		Haig, Gregory (5014)	DEFERRED	04/30/18				
Clean, paint and protect the southwest corner rear lock								

Elements

LICH	ients						Quantity in C	ondition State	
Chk	Element	Defect	Description	UOM SF	Total 45.079	1 39.779	2	3	4
			Reinforced Concrete Deck-Coated Reinforcing	5,000	300	0			
X	12								
			Cracking (RC)	SF		0	5,000	300	0
			Underside - numerous hairline (about every 4 ft) tr		se cracks w				
		1130	Cracks are located throughout the entire underside	of the b	oridge. Bay	3 betweer	n girders 4	and 5 in sp	an 3 has
		1130	numerous cracks with rust staining. Rust is leaching	g throug	h on top of	girder 4 in	span 3. T	he soffit on	the
			outside north edge along the sidewalk has numerou	us vertic	al cracks a	t rail posts	with rust s	taining.	
			Wearing Surface (Bare)	SF	45,079	43,078	2.000		0
	8000			3F	45,079	43,070	2,000		0
	0000								
			Debonding/Spall/Patched Area/Pothole	SF		0	0	1	0
		3210	Small spall (6 in. x 6 in.) near finger joint on Wisco	nsin sic	le located in	n the cente	r of the left	east bound	d lane.
						_			
		2220	Crack (Wearing Surface)	SF		0	2,000	0	0
		3220	Map cracking throughout spans 1, 2, 4, 5.						
			Steel Deck With Open Grid	SF	1.001	100	901	0	0
X	28		Span 3	0.	1,001	100	001		•
			Corrosion	SF		0	450	0	0
		1000	Surface corrosion throughout.						
			Connection	SF		0	451	0	0
			Connection 2008 some of the welds in steel grates have broke		During 20	•			•
		4000	welded broken areas of steel grates. Slight mis-alig	nment	(0.25IN) of	center spa	in locks ha	s caused m	inor wear
		1020	due to rubbing. 2 areas in each direction are "clicki	ng" as t	raffic drives	s over. Co	uld not pin	down exac	t location.
			broken riveted areas were repaired in 2016 by weld	ling.					
			Colvenization	<u></u>	10.000	10.000	0	0	0
	8518		Galvanization	SF	10,000	10,000	0	0	0
	0010								
			Steel Deck With Concrete Filled Grid	SF	1,500	0	1,500	0	0
X	29				· · · · · · · · · · · · · · · · · · ·		· · · · · · · · · · · · · · · · · · ·	·	
							4 500		
			Corrosion	SF	(in the hee	0	1,500	0	0
		1000	Rust staining throughout. The bottom side of the sthroughout.	sidewall	k in the bas	cule span	nas neavy	rust stainin	g
			Thin Polymer Overlay	SF	1,500	1,437	63	0	0
	8513							·I	
				- 05		0			
			Abrasion, Wear, or Rutting (Wear. Surf.)	SF		0	63		0
		8911	Grid is filled on the outside edges of the bascule s The polymer at the ends of the span is beginning to	span. P "neel u	olymer ove n"	may was p	aced over	me area in	2007.
					۲				
			1						

p	а	a	е	4
~	~	2	-	

page) 4							Structure No.:	B-47-040
			Steel Open Girder	LF	4,198	4,135	63	0	0
X	107								
			Corrosion	LF		0	63	0	0
		1000	Small amounts of freckle rust is present in all span			0	00	0	
			· · ·						
	0540		Painted Steel	SF	5,060	4,060	500	500	0
	8516								
			Effectiveness (Steel Protective Coatings)	SF		0	500	500	0
			There are small area of freckle rust throughout the	entire	structure.	Approxima	tely 50% of	the paint o	n the
		3440	bridge is beginning to chalk. Chalking is most preva paint is in poor condition. Further more several area	alent on	the south	facia girde	rs in which	a majority of	of the
			the undercoating.		paint on th	e south la		Jeening on e	,xposing
x	113		Steel Stringer	LF	3,999	2,999	1,000	0	0
^	113								
L			Corrosion	LF		0	1,000	0	0
		4000	Some paint is peeling off in different areas and sur	face ru	st starting t	o form. St	ringer in sp	an 4, betwe	em floor
		1000	beams 2 and 3 has a 2 foot cut on bottom flange. A paint.	pproxin	nately 25%	of the stri	ngers have	some distr	ess in the
			paint.						
			Steel Floor Beam	LF	652	601	51	0	0
X	152								
			Corrosion	LF		0	51	0	0
		1000	The bascule span had approximately 3 ft. of expos		I that is act	-		-	
		1000					•		
			Reinforced Concrete Pier Wall	LF	215	161	50	4	0
	24.0		The concrete surfaces at Piers 1 through 4 were ty						-
X	210		face and pier 3 west face have treated timbers bolte	ed to the	em.	,	0		
			Cracking (RC)	LF		78	50	4	0
		1130	See attached sketches for cracks and locations.	LF		70	50	4	
			Reinforced Concrete Abutment	LF	130	124	6	0	0
X	215								
			Cracking (RC)	LF		0	6	0	0
			East abutment backwall has a couple hairline/med	ium hor	izontal/ver	tical cracks	. Joints ar	e leaking ba	adly on to
		1130	abutment footing causing staining. OLD NOTE: We behind west abutment and abutment seems to have	est abuti	ment is mo	ving East a	about 2", I	Dead men v	vere place
			at 50 degrees f. It appears to be the same as previo	ous insp	bections.	eannys ap	pear to be	about 4 III.	
							-	· · · · ·	
			Reinforced Concrete Pile Cap/Footing Vertical footing and seal exposure at Piers 1 throu		4	4		0 ond do not	0 offect
X	220		structural capacity. (Dive inspection note) Can't be	observe	d from abo	ve the wat	erline.		aneci
V			Strip Seal Expansion Joint	LF	130	67	13	20	30
X	300		West joint replaced in 2007.						
L			Leakage, Seal Adhesion, Damage, Cracking	LF		0	13	20	30
		2310	Dirty - Minor leaking in East joint. Majority of the e	ast join	t has failed	and is lea	king badly.	Approxima	tely 1 foot
		2010	of the west strip seal is torn (near the southeast cor	ner).					
			Moveable Bearing	EA	32	0	32	0	0
X	311		At both abutments and piers 2 and 3.	•	~-	-			
		1000	Corrosion	EA		0	32	0	0
		1000	Light rust on all w/ some medium on ends.						

page 5

Structure No.: B-47-040 Fixed Bearing ΕA 16 0 16 0 0 Х 313 At piers 1 and 4. Corrosion 0 ΕA 16 0 0 1000 Light rusting on all. Minor rusting at SW corner on bascule leaf. Metal Bridge Rail 83 83 0 0 LF 166 Х 330 Corrosion LF 0 83 0 0 1000 Approximately 50% has minor corrosion majority of which is next to the flow line Painted Steel 531 SF 1,062 531 0 0 8516 Effectiveness (Steel Protective Coatings) SF 0 531 0 0 Approximately 50% has minor corrosion majority of which is next to the flow line. Southern parapet paint is 3440 flaking off and chalking throughout. Reinforced Concrete Bridge Rail 1,538 207 1,327 4 0 LF Х 331 Delamination - Spall - Patched Area LF 0 0 4 0 1080 Minor spall at the southeast corner of bridge (from impact?) Cracking (RC) ΙF 0 0 0 177 1130 Many hairline vertical cracks thru-out. Abrasion-Wear (PSC-RC) LF 0 1,150 0 0 Approx 75% surface scaling. Some rubbing along the pier 4 where the railing changes from steel to concrete. Rubbing was caused by the twisting of the bascule span which has since been remedied. 1190 Integral Wingwall 4 4 0 0 0 ΕA 8400 Х

Assessments

X 9167 Steel Diaphragm EA 173 120 53 0 X 9167 Steel Diaphragm EA 173 120 53 0 X 9167 Dolphin or Fender System EA 4 4 0 0 X 9290 Approach Roadway - Concrete (non-structural) EA 1 0 1 0								Quantity in C	ondition State			
X 9001 Curb & Gutter w/ inlet - NE, SE, & NW. Asp/gravel shidr at SW. X 9009 Sidewalk EA 2 2 0 0 X 9009 Morth side of bridge and Southeast area. Many hairline transverse cracks. Stay in place forms under side are starting to rust. X 9020 Movable Bridge - Counterweight EA 2 0 0 2 X 9020 Anoth side of bridge and Southeast area. Many hairline transverse cracks. Stay in place forms under side are starting to rust. EA 2 0 0 2 X 9020 Movable Bridge - Counterweight to rust. EA 2 0 0 2 X 9045 Slope Protection- Riprap EA 2 1 0 2 X 9045 Slope Protection- Riprap EA 2 1 1 0 1 X 9045 Steel Diaphragm EA 173 120 53 0 X 9167 Steel Diaphragm EA 4 4 0 0 X 9290 Polphin or Fender System EA 4 4 <th>Chk</th> <th>Element</th> <th>Defect</th> <th>Description</th> <th>UOM</th> <th>Total</th> <th>1</th> <th>2</th> <th>3</th> <th>4</th>	Chk	Element	Defect	Description	UOM	Total	1	2	3	4		
X 9009 Sidewalk EA 2 2 0 0 X 9009 Anorth side of bridge and Southeast area. Many hairline transverse cracks. Stay in place forms under side are starting to rust. X 9020 Movable Bridge - Counterweight EA 2 0 0 2 X 9020 Movable Bridge - Counterweight EA 2 0 0 2 X 9020 Boope Protection- Riprap EA 2 1 1 0 X 9045 Slope Protection- Riprap EA 2 1 1 0 X 9045 Slope Protection- Riprap EA 2 1 1 0 X 9045 Slope Protection- Riprap EA 2 1 1 0 X 9045 Steel Diaphragm EA 173 120 53 0 X 9167 Steel Diaphragm EA 4 4 0 0 X 9290 Polphin or Fender System EA 4 4 0 0 X						U U	3	0	0	0		
X 9009 North side of bridge and Southeast area. Many hairline transverse cracks. Stay in place forms under side are starting to rust. X 9020 Movable Bridge - Counterweight EA 2 0 0 2 X 9020 Movable Bridge - Counterweight EA 2 0 0 2 X 9020 Movable Bridge - Counterweight EA 2 0 0 2 X 9045 Slope Protection- Riprap EA 2 1 1 0 X 9045 Slope Protection- Riprap EA 2 1 1 0 X 9045 Slope Protection- Riprap EA 2 1 1 0 X 9045 Slope Protection- Riprap EA 2 1 1 0 X 9045 Steel Diaphragm EA 173 120 53 0 X 9167 Steel Diaphragm EA 4 4 0 0 X 9290 Dolphin or Fender System EA 4 4 0 0 0	Х	9001		Curb & Gutter w/ inlet - NE, SE, & NW. Asp/grave	el shldr a	at SW.						
X 9020 An extracting to rust. EA 2 0 0 2 X 9020 An extracting to rust. EA 2 0 0 2 X 9020 Eastside is grouted. A bike trail has been placed under the west end of bridge. There is minor settlemer X 9045 Steel Diaphragm EA 2 1 1 0 X 9167 Steel Diaphragm EA 120 53 0 X 9290 Dolphin or Fender System EA 4 4 0 0				Sidewalk	EA	2	2	0	0	0		
X 9020 Large spalls in both counter weights (see sketches). No significant changes in 2016. X 9045 Slope Protection- Riprap EA 2 1 1 0 X 9045 Eastside is grouted. A bike trail has been placed under the west end of bridge. There is minor settlemer erosion just above the retaining wall that was built for the bike trail. There is minor settlemer erosion just above the retaining wall that was built for the bike trail. X 9167 Steel Diaphragm EA 173 120 53 0 X 9167 Oplyin or freckle rust on approximately 1/3 of the diaphragms. EA 4 4 0 0 X 9290 Approach Roadway - Concrete (non-structural) EA 1 0 1 0	Х	9009			airline tr	ansverse o	cracks. Sta	y in place f	forms unde	r sidewalk		
X9045Slope Protection- RiprapEA2110Eastside is grouted. A bike trail has been placed under the west end of bridge. There is minor settlemer erosion just above the retaining wall that was built for the bike trail.There is minor settlemerX9167Steel DiaphragmEA173120530X9290Dolphin or Fender SystemEA4400Approach Roadway - Concrete (non-structural)EA1010				Movable Bridge - Counterweight	EA	2	0	0	2	0		
X9045Eastside is grouted. A bike trail has been placed under the west end of bridge. There is minor settlemer erosion just above the retaining wall that was built for the bike trail.There is minor settlemerX9167Steel DiaphragmEA173120530X9167Very minor freckle rust on approximately 1/3 of the diaphragms.Very minor freckle rust on approximately 1/3 of the diaphragms.X9290Approach Roadway - Concrete (non-structural)EA1010	Х	9020		Large spalls in both counter weights (see sketches). No significant changes in 2016.								
X 9167 Steel Diaphragm EA 173 120 53 0 X 9167 EA 173 120 53 0 X 9290 Dolphin or Fender System EA 4 4 0 0 X 9290 Approach Roadway - Concrete (non-structural) EA 1 0 1 0				Slope Protection- Riprap	EA	2	1	1	0	0		
X 9167 Very minor freckle rust on approximately 1/3 of the diaphragms. X 9290 Dolphin or Fender System EA 4 4 0 0 X 9290 Approach Roadway - Concrete (non-structural) EA 1 0 1 0	х	X 9045		Eastside is grouted. A bike trail has been placed under the west end of bridge. There is minor settlement and erosion just above the retaining wall that was built for the bike trail.								
X 9167 Very minor freckle rust on approximately 1/3 of the diaphragms. X 9290 Dolphin or Fender System EA 4 4 0 0 X 9290 Approach Roadway - Concrete (non-structural) EA 1 0 1 0				Steel Diaphragm	EA	173	120	53	0	0		
X 9290 Approach Roadway - Concrete (non-structural) EA 1 0 1 0	X 9167				e diaphr	agms.			1	I		
Approach Roadway - Concrete (non-structural) EA 1 0 1 0				Dolphin or Fender System	EA	4	4	0	0	0		
	Х	9290										
				Approach Roadway - Concrete (non-structural)	EA	1	0	1	0	0		
	Х	9322				udinal and	transverse	ioints.	I			

page 6

1.1.2								
		Approach Roadway - Asphalt	EA	1	1	0	0	0
X	9323	At west side of bridge only.					-	
							·	
		Decorative Rail	EA	2	1	0	1	0
X	9335	Railing at the NE corner struck by vehicle						

Structure No.: B-47-040

NBI Ratings

•	File	New
Deck	6	6
Superstructure	7	7
Substructure	7	7
Culvert	N	N
Channel	8	8
Waterway	8	8

Structure Specific Notes

NBI rating is a 6 for substructure because of the movement of the West abutment which seems to be stable now. Oil Airs gave the structure and hydrolic systems a tune up the fall of 1998 - Ed says still not working correctly. Welded 1/16 inch shims on the male to female mating mechenism in 1999 Extended 1 1/2 inch pump pipe on outside of pier wall in 2001 to the to keep pier wall from staining.

**On 8-15-2010 while in computer mode the lift bridges locking system engaged before lift bridge was completely down bending both steel locking beams on Minnesota side (NW-SW corners). On the Wisconsin side (SE and NE corners) the steel locking beams were only scraped but no real structural damage to beams. Pierce County did the repair work on bridges locking beams.

Inspection Specific Notes

May need to repaint or spot paint soon - detailed paint condition needed (i.e. top coat condition). A bike trail was constructed under span1 on the Minnesota end of the bridge in 2016. A retaining wall was also constructed as part of the bike trail. Both are owned and are to be maintained by Mn/DOT.

Inspector Site-Specific Safety Considerations

Marine Traffic

Structure Inspection Procedures

The only portion of the bridge that is fracture critical is the bascule span. Although we generally inspect the entire bridge, this procedure only applies to the fracture critical inspection. In order to see both outside girders the snooper truck must set up twice, once on the westbound side and once on the east bound side. Traffic control is set up by the county. We first close the north lane on the westbound side (single lane closure, there are 4 lanes on the bridge). The snooper truck is then positioned on the bascule span and deployed to the north. The entire inspection of the westbound side generally takes 2-3 hours. After we have inspected the north side of the bridge the traffic control is picked up and re-set on the eastbound side of the bridge and the same inspection procedure is used except the truck will deploy to the south. In addition if the bridge must be lifted during the inspection, the inspection will have to be halted, the snooper will have to moved off the bascule span and the traffic control cones will have to be moved. After the span is lowered back down, the traffic cones can be put back and the inspection continued.

During the inspection the two main bascule girders are to be inspected at an arms length or less.

Additionally, the inspection of the connections to the main counter weights have to be inspected from inside the tower or accessed through the sidewalk on the Minnesota side.

Special Requirements

	Chk	Hours	Cost	Comments
A52 Reach-All Unit	Х			
Traffic Control	Х			County sets up traffic control

Movable

	Rating	Comment
Mechanical	GOOD	See Documents for details
Electrical	GOOD	See Documents for details
Hydraulic	GOOD	See Documents for details
Operator	GOOD	See Documents for details
House		
Safety Device	GOOD	See Documents for details

Maintenance Notes

Underwater Probe Form B-47-040

General Site Conditions - Scour

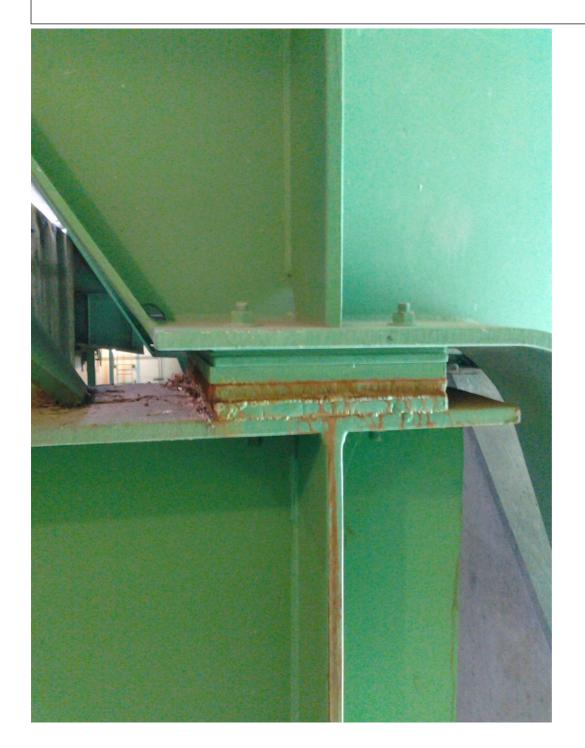
None

General Site Conditions - Embankment Erosion/Conditions Embankments appear stable. W. Abutment in good condition with few missing stones and exposed fabric. E. Abutment in fair condition with grouted riprap breaking apart and undermining at the shoreline.

Substructure Notes

Chk		Max Water Depth(ft)	Mode	Notes
Х	Cardinal		Dry	The West Abutment was dry at the time of inspection and was not inspected.
Х	Pier 1	9.8	Surface Supplied Air	The footing is exposed from the west quarter point on the north face along the east and south faces, to the north quarter point on the west face with up to full height exposure. The seal is exposed along the east face with up to 4 feet of vertical exposure.
Х	Pier 2	31.0	Surface Supplied Air	The seal is exposed along the west, north, and east faces with 6.5 feet veritcal exposure at the southeast corner, 7.5 feet along the east face, 4 feet at the northeast corner, 8 feet at the northwest corner, 7.5 feet along the west face and is buried at the southwest corner. Along the south face only the top of footing is exposed.
Х	Pier 3	33.7	Surface Supplied Air	The seal is exposed around the entire perimeter with up to 6.5 feet vertical exposure. Formwork remains in place at the footing on the east face near mid-length.
Х	Pier 4	27.8	Surface Supplied Air	The seal is exposed along the north and west faces with 3 feet of vertical exposure along the north face, 4 feet along the west face, and 3 feet at the southwest corner.
Х	Non Cardinal		Dry	The East Abutment was dry at the time of inspection and was not inspected.

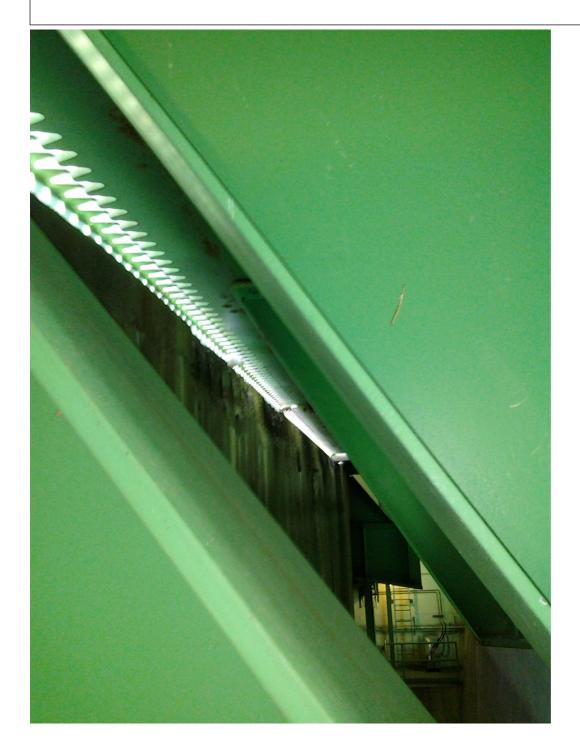
Movable Mechanical Document Comment/Description Bascule girder bearing plates (Southeast)



Movable Mechanical Document Comment/Description Wisconsin finger joint with spalling concrete under (Part of counterweight)



Movable Mechanical Document Comment/Description Wisconsin finger joint with spalling concrete under (Part of counterweight)

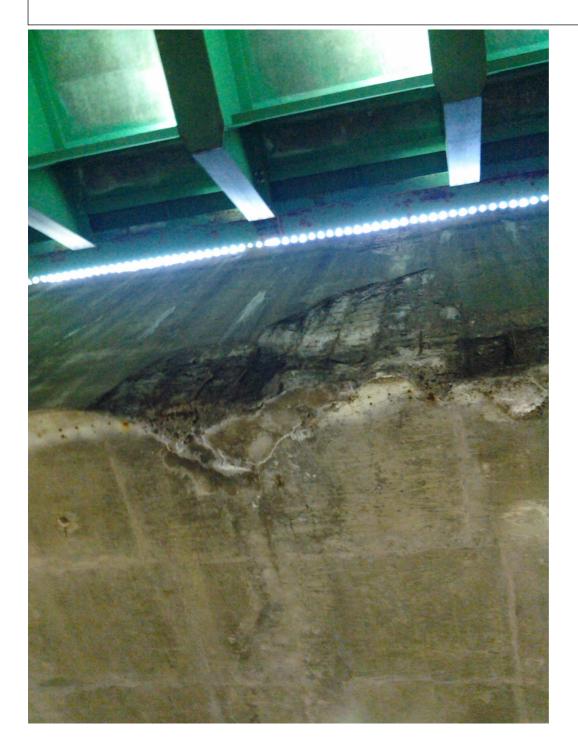


Movable Mechanical Document Comment/Description Main Rocker bearing at Southeast corner



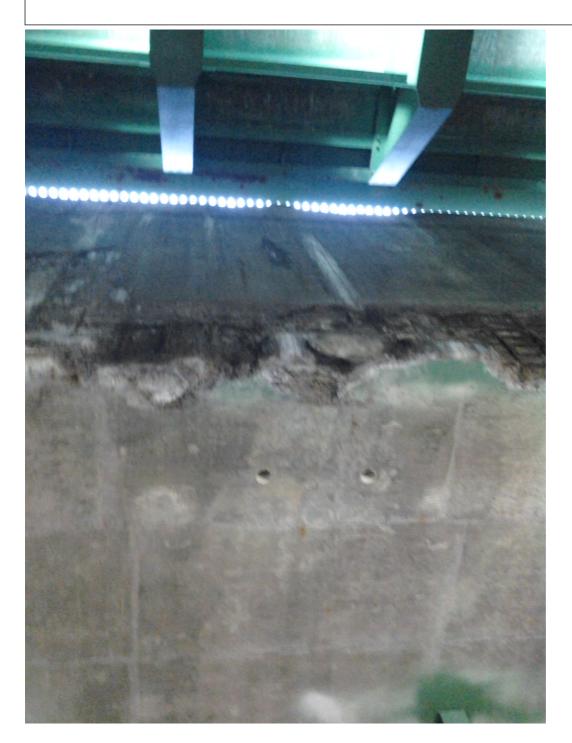
Movable Mechanical Document Comment/Description

Bottom and face of counter weight (Wisconsin side)



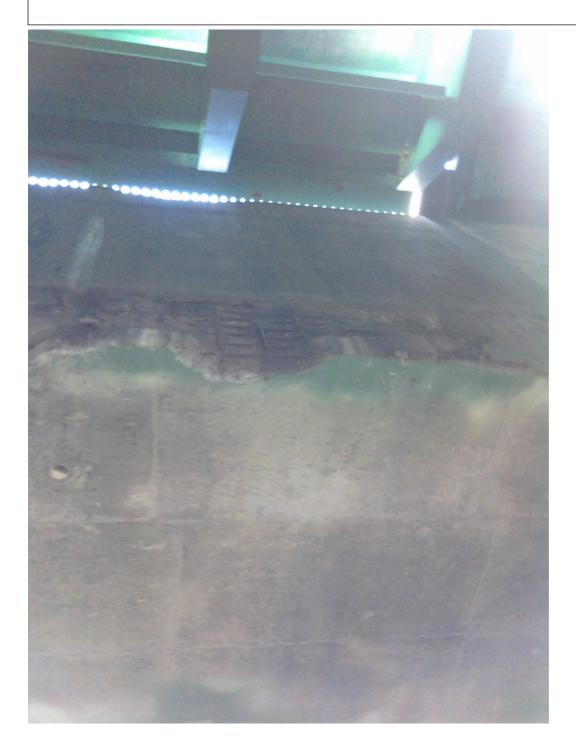
Movable Mechanical Document Comment/Description

Bottom and face of counter weight (Wisconsin side)



Movable Mechanical Document Comment/Description

Bottom and face of counter weight (Wisconsin side)



Movable Mechanical Document Comment/Description Cracks in the west wall of the east counterweight pit



Movable Mechanical Document Comment/Description

Cracks in the west wall of the east counterweight pit



Movable Mechanical Document Comment/Description



Movable Mechanical Document Comment/Description

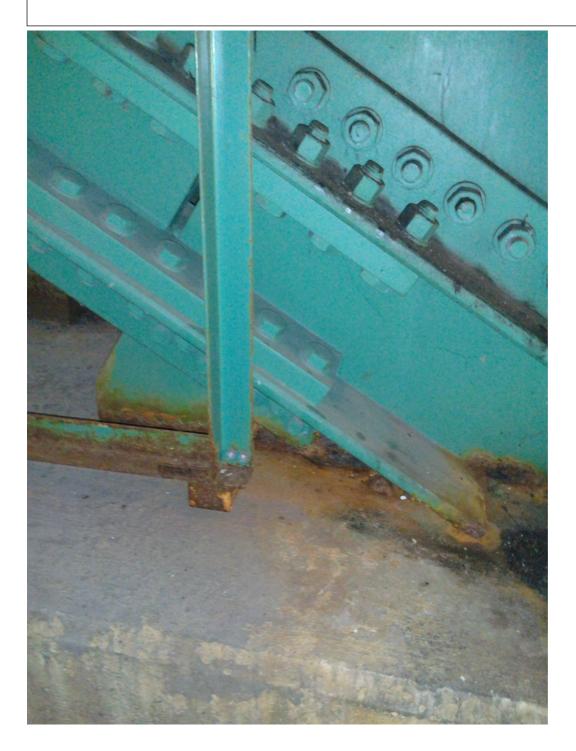


Movable Mechanical Document Comment/Description Wisconsin side counterweight



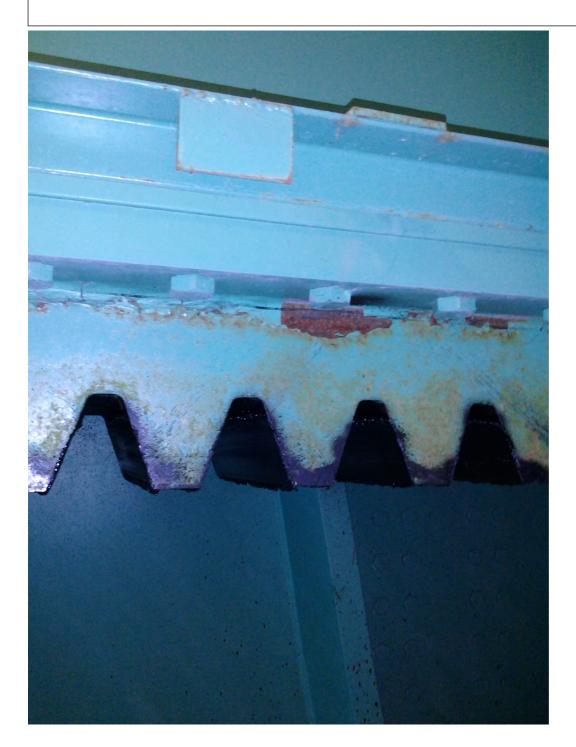
Movable Mechanical Document Comment/Description

Northeast connection near the northeast rocker (minor corrosion)



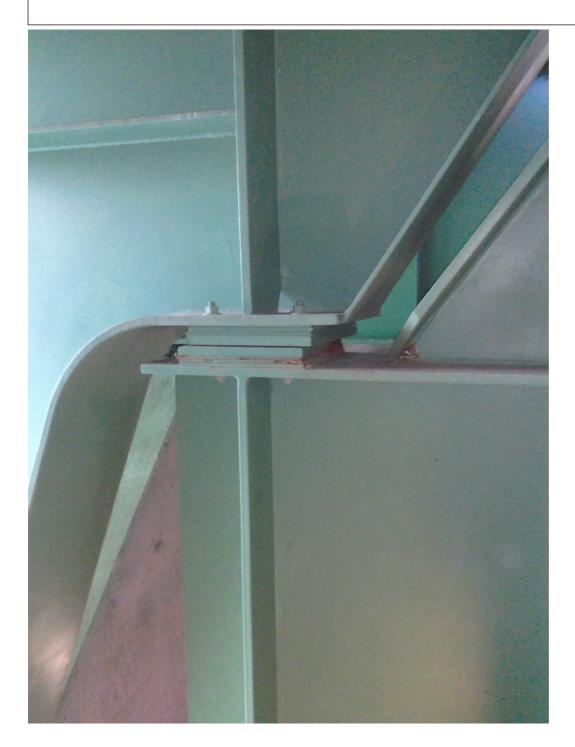
Movable Mechanical Document Comment/Description

Minor rust on main spokes at the northeast rocker.



Movable Mechanical Document Comment/Description

Bascule bearing plates at northeast corner. Minor misalignment (constructed that way)

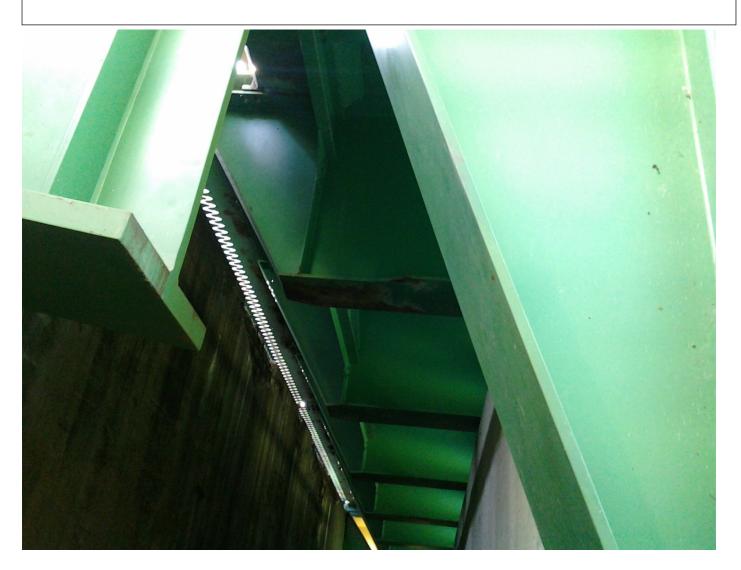


Movable Mechanical Document Comment/Description Minnesota side counterweight



Movable Mechanical Document Comment/Description

Minnesota side counterweight. Also, some corrosion under finger joint in the stringers.



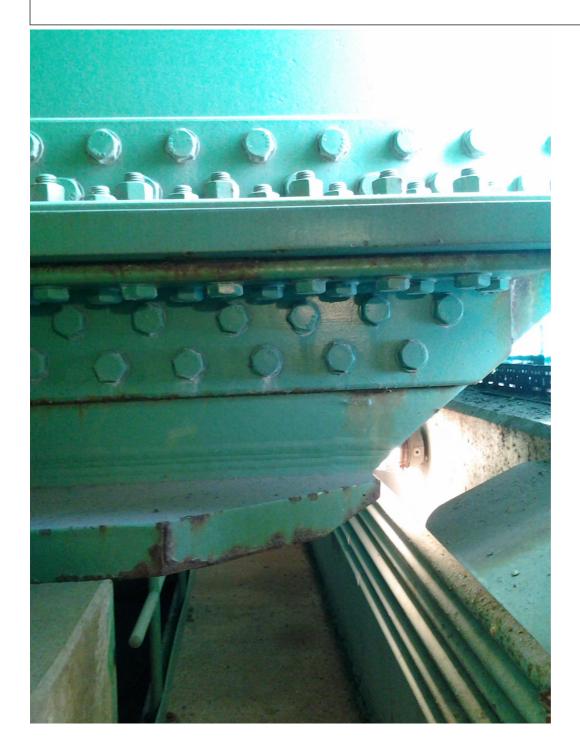
Movable Mechanical Document Comment/Description

Minor corrosion in the southwest connection just in front of the counterweights.

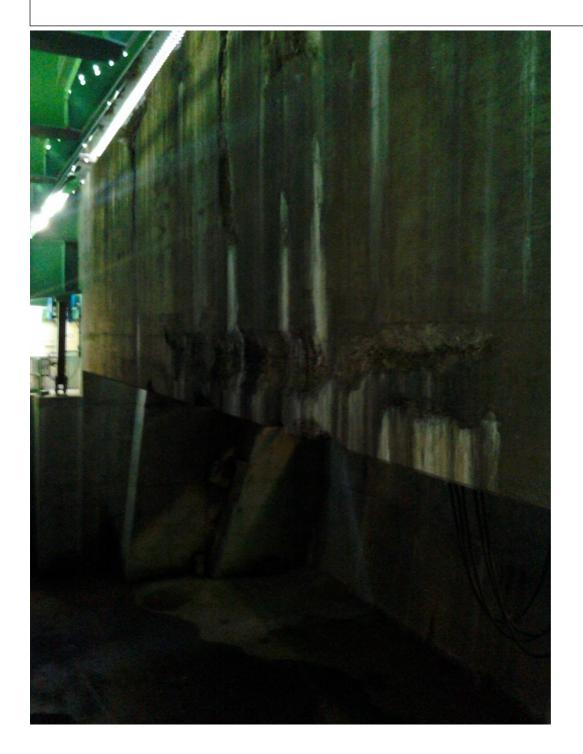


Movable Mechanical Document Comment/Description

Minor corrosion in the southwest connection just in front of the counterweights. (backside)



Movable Mechanical Document Comment/Description Minnesota counterweight



Movable Mechanical Document Comment/Description Minnesota counterweight



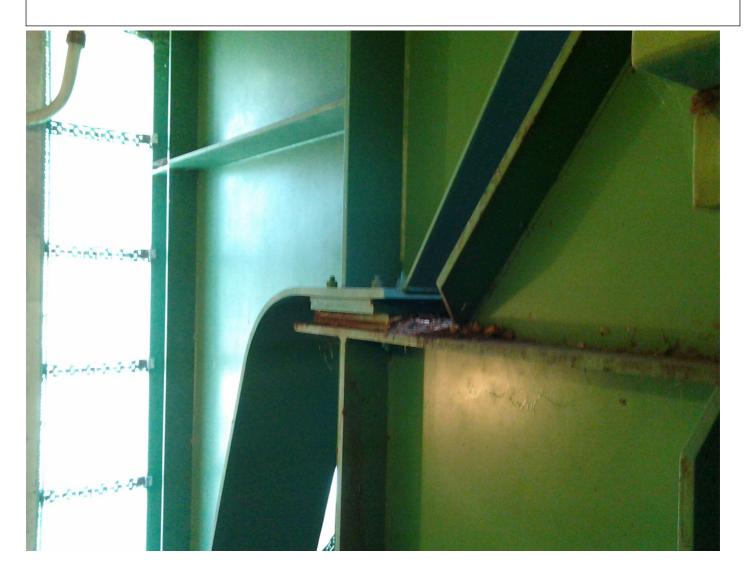
Movable Mechanical Document Comment/Description Southwest rear lock corrosion



Movable Mechanical Document Comment/Description Southwest rear lock corrosion



Movable Mechanical Document Comment/Description Southwest bascule bearing misalignment.





Routine Document Comment/Description West abutment



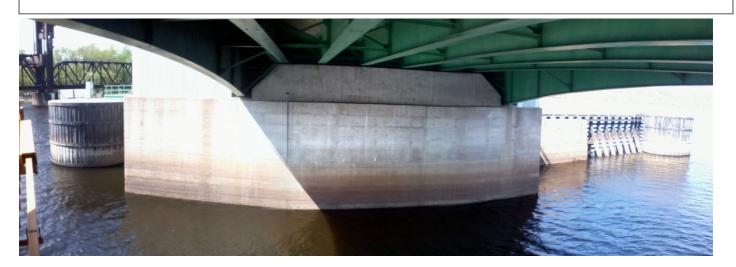
Pier 1 - west face



Routine Document Comment/Description Pier 2 - west face



Routine Document Comment/Description Pier 3 - east face





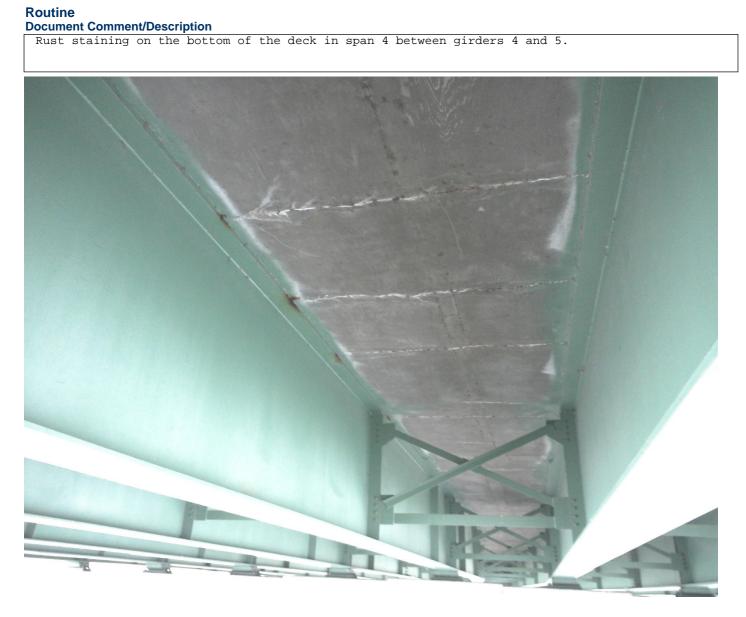
Routine Document Comment/Description Span 1 - deck underside (typ.)











Routine Document Comment/Description Cracks in pier 3. Looking west at the northwest corner.

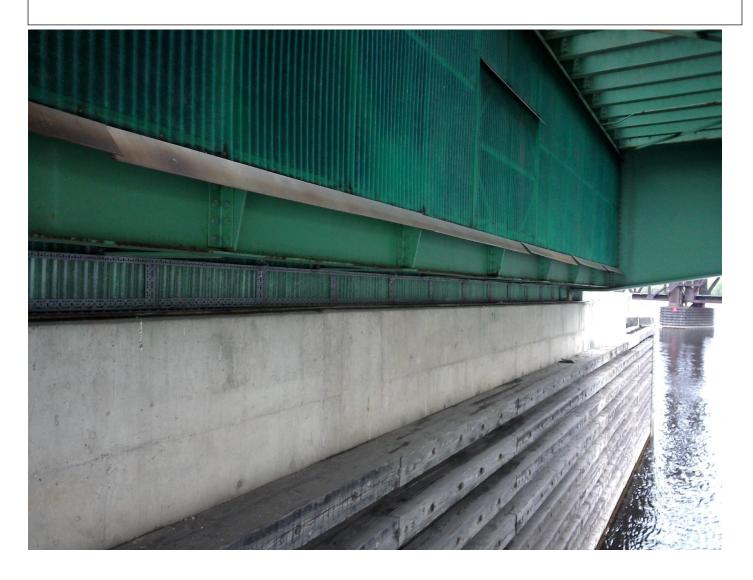


Routine Document Comment/Description Diaphragm corrosion on the west side of pier 3.



Routine Document Comment/Description

Diaphragm corrosion on the west side of pier 3.



Routine Document Comment/Description Spot rusting in the bascule span floor beams.



Routine

Document Comment/Description

Spot rusting in the bascule span floor beams.



Routine Document Comment/Description Spalled concrete at pier 3 on the bascule span side.

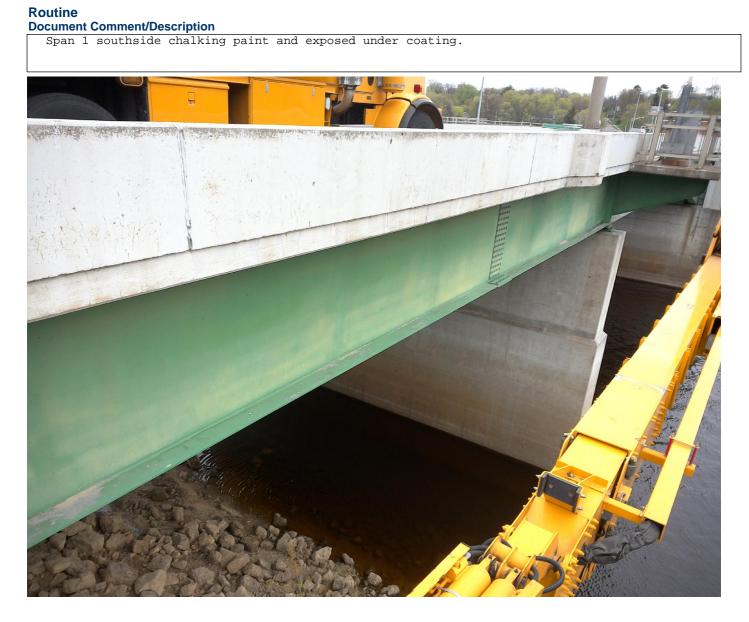


Routine Document Comment/Description Corrosion of the cross members near pier 2.



Routine Document Comment/Description Span 1 southside chalking paint and exposed under coating.

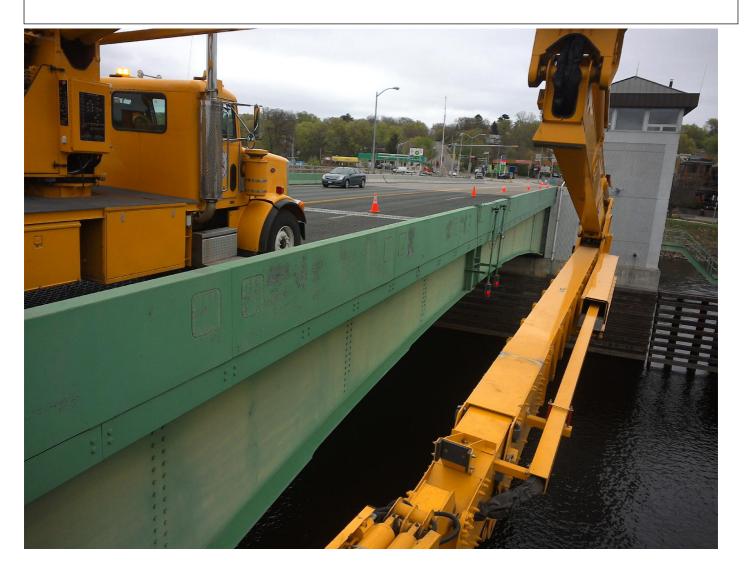




Routine Document Comment/Description Cracking in pier 3 looking to the southeast.



Routine Document Comment/Description southside of girder 1 in bascule span. Chalking paint



Routine Document Comment/Description Loss of paint on galvanized steel parapet.



Routine Document Comment/Description Pier 2 looking west cracking.



Routine Document Comment/Description

South bascule center joint. Wearing can be seen on the bottom plate.



Routine Document Comment/Description Erosion around NW wing



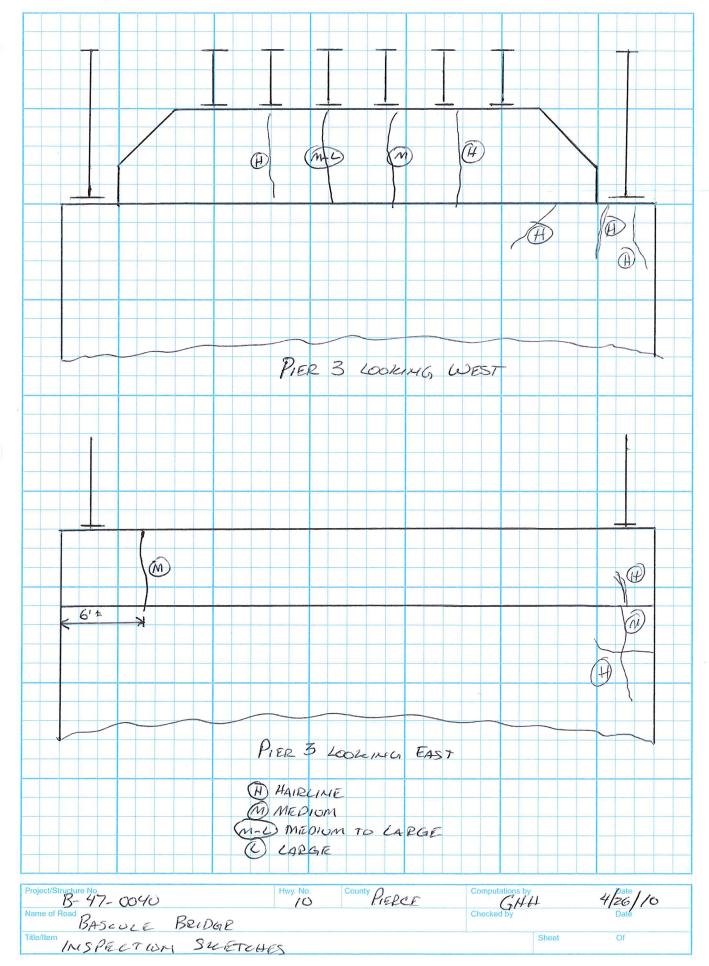
Structure No.:B-47-040

Non-Image Documents

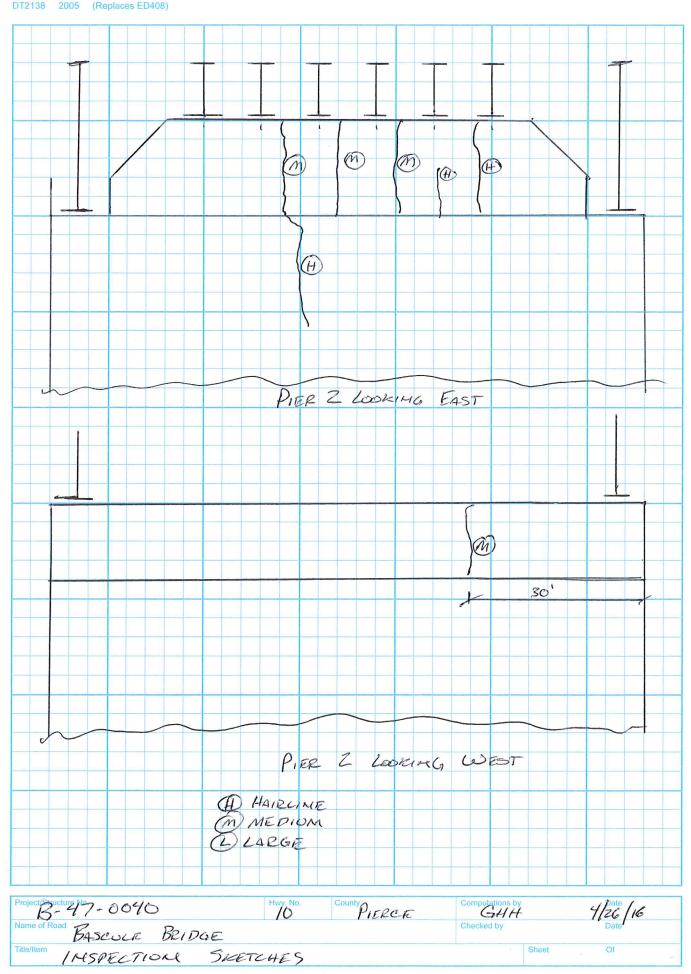
- 71	Document	Document Comment/Description	Attached
Movable Mechanical	b47-040xmd25.docx	Mechanical, Electrical, Hydraulic and Generator Inspection	
Routine	b47-040_18_Rd1.pdf	Pier cracking hand sketches	X
Routine	b47-040_18_Rd2.pdf	Counterweight Deterioration	X

DESIGN/FINAL COMPUTATIONS

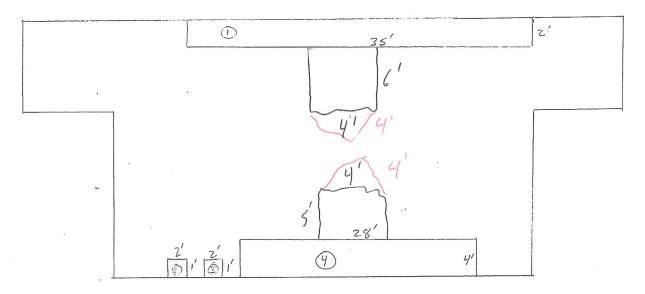
DT2138 2005 (Replaces ED408)



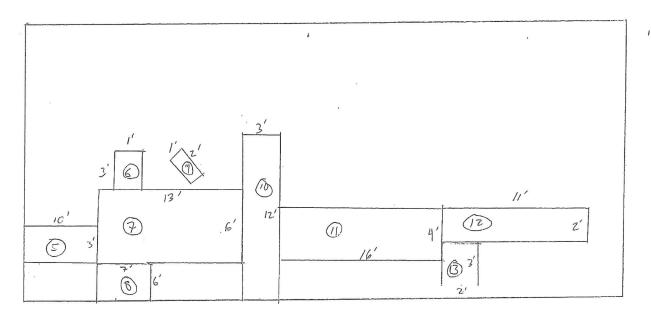
DESIGN/FINAL COMPUTALIONS DT2138 2005 (Replaces ED408)



Wisconsin Department of Transportation

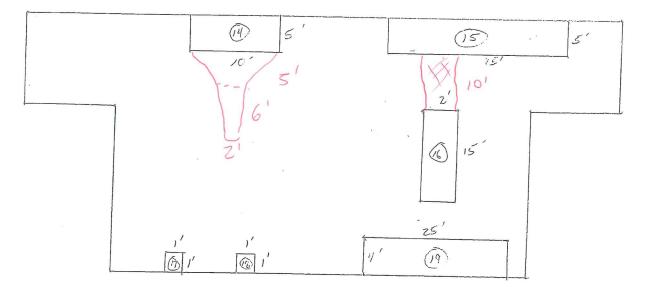


COUNTER WEIGHT

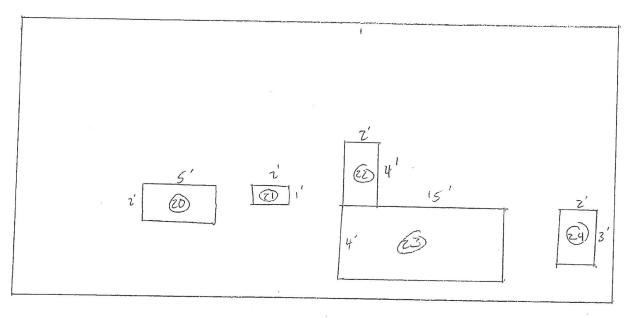


FLOOR

B-47-40 USH 10 PIERCE KSH 6-24-B REESCOTT BRIDGE CONCRETE SUPPRIES FLAGTE (WE SIDE) 1 3



COUNTER WEIGHT



FLOOR

e deze kle B-47-40 USH 10 PIERCE 6-24-13 PRESCOTT BRIDE CONCRETE SURFREE REFERE(MIN SIDE) 2 3